



IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA: LM-63-95
[DATE] 2003-06-17
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] HID-22SL-REM
[LAMP] (1) Clear 1000 Watts Metal Halide BT56
[DISTRIBUTION] 5H x 5V Based on Field Angle (10%)

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	133542
Maximum Candela Angle	0H -1.5V
Horizontal Beam Angle (50%)	27.6
Vertical Beam Angle (50%)	25.8
Horizontal Field Angle (10%)	76.4
Vertical Field Angle (10%)	73.5
Lumens Per Lamp	110000 (1 lamp)
Total Lamp Lumens	110000
Beam Lumens	13466
Beam Efficiency	12 %
Field Lumens	46103
Field Efficiency	42 %
Spill Lumens	13457
Luminaire Lumens	59560
Total Efficiency	54 %
Total Luminaire Watts	1000
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
80	28	80	0
75	134	75	0
70	302	70	107
65	519	65	276
60	1065	60	582
55	2915	55	1295
50	6794	50	2253
45	11481	45	6412
40	12599	40	11977
37.5	13638	37.5	12796
35	15142	35	14207
32.5	17455	32.5	16046
30	20105	30	18182
27.5	24330	27.5	21720
25	29880	25	26658
22.5	37484	22.5	33279
20	44629	20	39658
17.5	52929	17.5	47025
15	61996	15	55771
12.5	70872	12.5	63309
10	77325	10	71499
7.5	88013	7.5	82141
5	101752	5	95464
4.5	105148	4.5	98043
4	109063	4	101394
3.5	111307	3.5	104634
3	114872	3	108408
2.5	119026	2.5	111080
2	121364	2	114841
1.5	124060	1.5	118131
1	127063	1	121729
.5	128157	.5	125400
0	128675	0	128675
		-.5	131153
		-1	132640
		-1.5	133542
		-2	132298
		-2.5	130213
		-3	126836
		-3.5	123256
		-4	118551
		-4.5	113667
		-5	110496
		-7.5	92625
		-10	81026
		-15	64589
		-20	45968
		-25	30628
		-30	20050
		-35	14449
		-40	11653
		-45	9945

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

AXIAL CANDELA - (Cont.)

DEG.	HOR.	DEG.	VERT.
		-50	6027
		-60	820
		-70	197
		-80	0
		-90	0

IES FLOOD REPORT
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CANDELA TABULATION

Maximum Candela = 133542

Beam Edge = 66771 Cd (50% of Max.)

Field Edge = 13354.2 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>0.5</u>	<u>1.0</u>	<u>1.5</u>	<u>2.0</u>	<u>2.5</u>	<u>3.0</u>	<u>3.5</u>	<u>4.0</u>	<u>4.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
70.0	107	99	108	110	103	100	107	99	107	102
65.0	276	272	282	281	282	282	279	277	284	281
60.0	582	589	588	583	584	582	584	579	587	590
55.0	1295	1291	1286	1275	1267	1280	1298	1341	1414	1553
50.0	2253	2231	2221	2208	2230	2260	2396	2727	3133	3848
45.0	6412	6424	6397	6345	6354	6292	6481	7095	7872	9425
40.0	11977	11992	11941	11933	11972	11972	11977	11970	11978	12024
37.5	12796	12810	12757	12737	12765	12744	12762	12747	12760	12747
35.0	14207 *	14166 *	14151 *	14091 *	14097 *	14034 *	14041 *	14011 *	14021 *	13976 *
32.5	16046 *	16066 *	16023 *	15956 *	15936 *	15911 *	15855 *	15860 *	15788 *	15733 *
30.0	18182 *	18129 *	18078 *	18002 *	17977 *	17925 *	17887 *	17793 *	17702 *	17660 *
27.5	21720 *	21683 *	21582 *	21434 *	21433 *	21310 *	21217 *	21126 *	21023 *	20901 *
25.0	26658 *	26495 *	26336 *	26120 *	26061 *	25803 *	25644 *	25443 *	25358 *	25155 *
22.5	33279 *	33132 *	32898 *	32736 *	32681 *	32484 *	32193 *	31983 *	31811 *	31459 *
20.0	39658 *	39496 *	39236 *	38986 *	38936 *	38671 *	38548 *	38276 *	38033 *	37746 *
17.5	47025 *	46640 *	46243 *	46079 *	46011 *	45720 *	45405 *	45134 *	44903 *	44476 *
15.0	55771 *	55183 *	54722 *	54507 *	54288 *	54151 *	53635 *	53403 *	53077 *	52646 *
12.5	63309 *	62981 *	62656 *	62379 *	62207 *	61890 *	61516 *	61056 *	60651 *	60227 *
10.0	71499 *	71671 *	71362 *	71204 *	71056 *	70658 *	70074 *	69477 *	69022 *	68210 *
7.5	82141 *	82070 *	81597 *	81121 *	80832 *	80170 *	79203 *	78335 *	77618 *	76407 *
5.0	95464 *	95125 *	94816 *	93970 *	93608 *	92492 *	91018 *	89637 *	88517 *	86715 *
4.5	98043 *	97805 *	97477 *	96523 *	96119 *	94889 *	93240 *	91775 *	90646 *	88676 *
4.0	101394 *	101136 *	100794 *	99679 *	99086 *	97982 *	95846 *	94292 *	93093 *	90847 *
3.5	104634 *	104707 *	104361 *	103070 *	102242 *	100755 *	99037 *	97118 *	95449 *	93392 *
3.0	108408 *	107523 *	106909 *	105624 *	104932 *	103233 *	101235 *	99195 *	97525 *	94965 *
2.5	111080 *	109848 *	110067 *	108724 *	107621 *	106202 *	103838 *	101525 *	99895 *	96951 *
2.0	114841 *	114589 *	113996 *	112495 *	111156 *	109136 *	106601 *	103966 *	102318 *	99435 *
1.5	118131 *	117666 *	117546 *	115415 *	113664 *	111718 *	108719 *	106060 *	103816 *	100738 *
1.0	121729 *	121396 *	120765 *	119011 *	116629 *	114268 *	111059 *	107854 *	105884 *	102515 *
0.5	125400 *	124643 *	123889 *	121559 *	119198 *	116745 *	113076 *	109790 *	107734 *	104173 *
0.0	128675 *	128157 *	127063 *	124060 *	121364 *	119026 *	114872 *	111307 *	109063 *	105148 *
-0.5	131153 *	130112 *	128824 *	125866 *	122742 *	120100 *	116195 *	112274 *	109888 *	105940 *
-1.0	132640 *	131836 *	130475 *	127117 *	123854 *	120921 *	116925 *	112936 *	110438 *	106425 *
-1.5	133542 *	132259 *	130654 *	127482 *	124653 *	121316 *	117166 *	112865 *	110444 *	106238 *
-2.0	132298 *	131154 *	129705 *	127130 *	123335 *	120773 *	116592 *	112551 *	110063 *	105870 *
-2.5	130213 *	128781 *	127632 *	125022 *	121510 *	119086 *	115138 *	111297 *	108796 *	105053 *
-3.0	126836 *	125722 *	124305 *	121928 *	118730 *	116913 *	112934 *	109474 *	107218 *	103777 *
-3.5	123256 *	122262 *	121109 *	119198 *	115998 *	114233 *	110871 *	107583 *	105567 *	102250 *
-4.0	118551 *	117551 *	116718 *	115131 *	112338 *	110803 *	108142 *	105213 *	103417 *	100182 *
-4.5	113667 *	112990 *	112354 *	110907 *	108852 *	107246 *	104885 *	102306 *	100738 *	97900 *
-5.0	110496 *	109802 *	109210 *	107947 *	105989 *	104958 *	102614 *	100275 *	98819 *	96364 *
-7.5	92625 *	92411 *	92170 *	91622 *	90451 *	89794 *	88784 *	86481 *	86612 *	84861 *
-10.0	81026 *	80384 *	80236 *	80075 *	79791 *	79561 *	79097 *	78394 *	78468 *	77590 *
-15.0	64589 *	64391 *	64490 *	63997 *	63203 *	62721 *	61924 *	60591 *	60165 *	59101 *
-20.0	45968 *	45713 *	45753 *	45577 *	45243 *	45110 *	44705 *	44079 *	43809 *	43134 *

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PHOTOMETRIC FILENAME : HID-22SL-REM.IES

CANDELA TABULATION - (Cont.)

-25.0	30628 *	30552 *	30612 *	30613 *	30429 *	30315 *	30122 *	29706 *	29500 *	29080 *
-30.0	20050 *	20018 *	19985 *	20009 *	20008 *	20010 *	19966 *	19847 *	19815 *	19708 *
-35.0	14449 *	14410 *	14443 *	14469 *	14424 *	14435 *	14412 *	14413 *	14393 *	14354 *
-40.0	11653	11659	11663	11683	11683	11671	11653	11643	11629	11609
-45.0	9945	9925	9919	9941	9915	9915	9920	9872	9896	9879
-50.0	6027	6003	6006	6012	6020	6011	5990	5937	5968	5921
-60.0	820	815	820	833	833	833	830	828	832	832
-70.0	197	202	198	202	199	204	199	202	198	196
-80.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>	<u>25.0</u>	<u>27.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	1	6	10	6
70.0	103	99	102	115	110	109	114	103	107	102
65.0	281	279	287	287	277	267	264	258	251	247
60.0	609	639	637	637	614	587	570	533	509	462
55.0	1708	2044	1943	1748	1449	1229	1114	1025	947	870
50.0	4582	5577	5447	5212	4820	4443	3987	3469	2920	2355
45.0	10379	10904	10777	10244	9337	8551	7745	6877	6030	5298
40.0	12018	12029	11979	11901	11865	11745	11585	11380	10807	9123
37.5	12757	12604	12494	12378	12358	12167	11969	11814	11568	11429
35.0	13947 *	13766 *	13564 *	13259	12955	12619	12363	12146	11966	11815
32.5	15753 *	15429 *	15033 *	14621 *	14057 *	13468 *	13048	12670	12385	12038
30.0	17621 *	17260 *	16768 *	16287 *	15527 *	14768 *	14077 *	13419 *	12771	12087
27.5	20820 *	20054 *	19076 *	18207 *	17200 *	16372 *	15421 *	14364 *	13049	11554
25.0	24973 *	23889 *	22732 *	21149 *	19451 *	18055 *	16851 *	15203 *	13468 *	13484 *
22.5	31086 *	29365 *	27366 *	25191 *	22925 *	20793 *	18139 *	16433 *	15857 *	14889 *
20.0	37403 *	35612 *	33365 *	30396 *	26812 *	23532 *	20707 *	19045 *	17541 *	15939 *
17.5	44096 *	42064 *	39305 *	36242 *	31893 *	27489 *	24619 *	21687 *	18984 *	17184 *
15.0	52155 *	49591 *	46307 *	41831 *	37090 *	33685 *	28975 *	24685 *	20929 *	18435 *
12.5	59698 *	56857 *	53151 *	47791 *	42854 *	38645 *	33775 *	27594 *	23083 *	19731 *
10.0	67450 *	63696 *	59467 *	54782 *	48836 *	42710 *	37164 *	31167 *	25170 *	21136 *
7.5	75420 *	70493 *	65705 *	60905 *	53789 *	46610 *	40321 *	34063 *	27035 *	22386 *
5.0	85002 *	77166 *	70900 *	65426 *	58151 *	49914 *	42407 *	35793 *	28533 *	23435 *
4.5	86777 *	78517 *	71660 *	66088 *	58711 *	50390 *	42631 *	36007 *	28660 *	23556 *
4.0	88890 *	80066 *	72466 *	66708 *	59272 *	50749 *	43050 *	36269 *	28881 *	23709 *
3.5	91018 *	81411 *	73080 *	67540 *	59792 *	51165 *	43380 *	36539 *	29085 *	23865 *
3.0	92769 *	82379 *	73656 *	67890 *	60249 *	51452 *	43650 *	36757 *	29266 *	23910 *
2.5	94718 *	83709 *	74406 *	68470 *	60603 *	51756 *	43908 *	36945 *	29407 *	24024 *
2.0	96496 *	84852 *	75167 *	69099 *	61118 *	52182 *	44002 *	37159 *	29597 *	24146 *
1.5	97918 *	85884 *	75722 *	69483 *	61191 *	52325 *	44361 *	37303 *	29691 *	24175 *
1.0	99375 *	86753 *	76327 *	70199 *	61607 *	52611 *	44347 *	37393 *	29785 *	24245 *
0.5	100726 *	87468 *	77277 *	70539 *	61816 *	52781 *	44458 *	37421 *	29854 *	24296 *
0.0	101752 *	88013 *	77325 *	70872 *	61996 *	52929 *	44629 *	37484 *	29880 *	24330 *
-0.5	102477 *	88688 *	77633 *	71031 *	62057 *	52942 *	44728 *	37534 *	29895 *	24301 *
-1.0	103031 *	88767 *	77720 *	71340 *	62328 *	53031 *	44737 *	37598 *	29938 *	24325 *
-1.5	103066 *	88818 *	77963 *	71640 *	62270 *	53142 *	44689 *	37642 *	29902 *	24220 *
-2.0	102549 *	88886 *	77839 *	71883 *	62374 *	53058 *	44694 *	37604 *	29872 *	24207 *
-2.5	101655 *	88354 *	77638 *	72304 *	62283 *	52903 *	44592 *	37565 *	29775 *	24113 *
-3.0	100783 *	87923 *	77485 *	72507 *	62186 *	52682 *	44552 *	37416 *	29718 *	24037 *
-3.5	99478 *	87247 *	77431 *	72388 *	62141 *	52562 *	44402 *	37296 *	29552 *	23946 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

CANDELA TABULATION - (Cont.)

-4.0	97593 *	86103 *	77141 *	71919 *	62293 *	52392 *	44302 *	37190 *	29362 *	23796 *
-4.5	95426 *	84804 *	76555 *	71120 *	61825 *	52160 *	44165 *	37109 *	29177 *	23680 *
-5.0	93816 *	83738 *	76094 *	70267 *	61125 *	51947 *	43986 *	37035 *	29113 *	23526 *
-7.5	83422 *	77419 *	72302 *	64618 *	55821 *	48087 *	41467 *	35272 *	27626 *	22732 *
-10.0	76617 *	71730 *	65435 *	58345 *	50716 *	44245 *	38580 *	32301 *	25879 *	21589 *
-15.0	58149 *	54408 *	50152 *	45328 *	40162 *	35744 *	30601 *	25739 *	21906 *	19447 *
-20.0	42672 *	40289 *	37697 *	34547 *	30311 *	26357 *	22904 *	19951 *	18085 *	16472 *
-25.0	28668 *	26777 *	25109 *	23474 *	21826 *	20334 *	18838 *	17136 *	15383 *	13905 *
-30.0	19673 *	19186 *	18480 *	17759 *	16834 *	15746 *	14868 *	13991 *	13292	12771
-35.0	14299 *	14101 *	13854 *	13548 *	13145	12848	12557	12215	11903	11641
-40.0	11593	11587	11589	11570	11518	11379	11075	10630	10196	9325
-45.0	9870	9797	9704	9404	8934	8365	7784	7200	6439	5696
-50.0	5896	5763	5566	5316	4977	4588	4155	3681	3156	2666
-60.0	831	820	801	787	754	729	698	667	632	594
-70.0	194	198	194	198	199	188	187	182	178	178
-80.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>45.0</u>	<u>50.0</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	4	0	3	0	0	0	0
75.0	25	23	23	34	34	26	20	0	0	0
70.0	112	103	93	107	94	79	46	20	3	0
65.0	236	224	214	211	196	153	113	68	28	0
60.0	437	407	373	348	321	269	202	129	75	19
55.0	808	747	663	598	523	402	310	217	130	56
50.0	1721	1271	1102	981	867	642	446	308	203	105
45.0	4492	3658	2835	2027	1349	955	662	420	281	164
40.0	7727	6463	5330	4313	3290	1379	926	587	368	228
37.5	10268	8371	6795	5520	4256	2054	1090	686	417	256
35.0	11544	10693	8307	6374	4935	3015	1265	781	461	277
32.5	11612	10928	9771	7961	6740	3879	1514	886	513	300
30.0	11133	10554	11370	10722	8277	4710	2045	993	563	333
27.5	12045	12192	11960	11652	9969	5619	2687	1103	628	358
25.0	13216	12657	12286	11881	11441	6482	3289	1207	684	382
22.5	13860 *	13148	12574	12141	11767	7505	3891	1331	752	404
20.0	14697 *	13660 *	12864	12439	11999	8542	4432	1488	806	425
17.5	15461 *	14107 *	13230	12647	12222	9554	4944	1701	877	449
15.0	16506 *	14872 *	13627 *	12815	12311	10541	5448	2034	915	467
12.5	17504 *	15492 *	14018 *	13121	12492	11199	5857	2305	970	488
10.0	18386 *	16146 *	14423 *	13370 *	12602	11508	6208	2533	1001	506
7.5	19088 *	16644 *	14820 *	13527 *	12705	11624	6466	2702	1028	511
5.0	19535 *	17109 *	14999 *	13607 *	12703	11540	6651	2834	1045	514
4.5	19645 *	17133 *	15065 *	13600 *	12686	11552	6698	2847	1048	511
4.0	19754 *	17215 *	15058 *	13643 *	12687	11550	6703	2859	1048	514
3.5	19823 *	17277 *	15073 *	13642 *	12662	11530	6753	2881	1058	520
3.0	19865 *	17351 *	15137 *	13665 *	12677	11560	6754	2880	1058	519
2.5	19902 *	17376 *	15135 *	13684 *	12697	11535	6784	2895	1064	516
2.0	19979 *	17421 *	15155 *	13665 *	12647	11534	6800	2911	1060	520
1.5	20010 *	17436 *	15139 *	13702 *	12635	11508	6800	2916	1069	511
1.0	20038 *	17620 *	15157 *	13673 *	12618	11488	6793	2929	1070	519
0.5	20072 *	17215 *	15154 *	13666 *	12608	11466	6797	2919	1068	518
0.0	20105 *	17455 *	15142 *	13638 *	12599	11481	6794	2915	1065	519

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

CANDELA TABULATION - (Cont.)

-0.5	20117 *	17511 *	15139 *	13608 *	12592	11476	6789	2919	1073	519
-1.0	20065 *	17301 *	15137 *	13648 *	12577	11474	6793	2906	1067	520
-1.5	20045 *	17455 *	15164 *	13663 *	12596	11444	6775	2909	1064	519
-2.0	20014 *	17420 *	15124 *	13610 *	12574	11428	6758	2896	1063	514
-2.5	19968 *	17278 *	15062 *	13588 *	12533	11414	6760	2891	1067	514
-3.0	19919 *	17192 *	15011 *	13556 *	12513	11400	6731	2881	1062	521
-3.5	19862 *	17128 *	14961 *	13504 *	12464	11334	6701	2863	1058	513
-4.0	19802 *	17156 *	14894 *	13448 *	12416	11288	6640	2850	1055	508
-4.5	19717 *	17096 *	14810 *	13356 *	12342	11211	6574	2814	1058	515
-5.0	19629 *	16990 *	14810 *	13304	12326	11166	6530	2794	1053	506
-7.5	19300 *	16561 *	14473 *	13041	12088	10854	6233	2661	1031	509
-10.0	18863 *	16297 *	14325 *	13009	12131	10738	6011	2504	1001	498
-15.0	17067 *	15048 *	13638 *	12611	11931	10079	5463	2080	937	475
-20.0	14843 *	13839 *	12826	12123	11608	8613	4565	1585	833	430
-25.0	12246	11791	11730	11464	10783	6842	3473	1272	723	392
-30.0	12230	11728	11058	9069	7863	4903	2240	1054	604	343
-35.0	11152	10237	9020	7432	5908	3129	1323	823	470	298
-40.0	8262	7077	5848	4712	3647	1603	1019	635	396	252
-45.0	4898	4097	3201	2376	1583	1055	741	481	320	206
-50.0	2108	1491	1241	1102	973	727	504	370	252	149
-60.0	544	510	464	429	409	350	271	201	117	60
-70.0	169	172	159	160	143	128	103	71	26	4
-80.0	0	8	20	20	25	33	23	11	0	0
-90.0	0	0	0	0	0	1	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
80.0	0	0	0	0	0
75.0	0	0	0	0	0
70.0	0	0	0	0	0
65.0	0	0	0	0	0
60.0	0	0	0	0	0
55.0	3	0	0	0	0
50.0	39	0	0	0	0
45.0	74	8	0	0	0
40.0	109	23	0	0	0
37.5	137	33	0	0	0
35.0	148	41	0	0	0
32.5	165	63	0	0	0
30.0	187	66	1	0	0
27.5	212	70	0	0	0
25.0	217	79	6	0	0
22.5	237	89	6	0	0
20.0	243	97	11	0	0
17.5	256	100	18	0	0
15.0	274	115	16	0	0
12.5	281	119	24	0	0
10.0	295	118	23	0	0
7.5	303	130	19	0	0
5.0	310	132	26	0	0
4.5	300	132	26	0	0
4.0	303	130	28	0	0
3.5	305	135	24	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

CANDELA TABULATION - (Cont.)

3.0	306	127	25	0	0
2.5	302	132	23	0	0
2.0	305	129	28	0	0
1.5	303	138	29	0	0
1.0	308	132	21	0	0
0.5	303	132	28	0	0
0.0	302	134	28	0	0
-0.5	305	130	25	0	0
-1.0	311	137	28	0	0
-1.5	303	129	26	0	0
-2.0	301	127	28	0	0
-2.5	312	130	28	0	0
-3.0	300	133	28	0	0
-3.5	298	127	26	0	0
-4.0	301	134	23	0	0
-4.5	302	128	26	0	0
-5.0	303	132	23	0	0
-7.5	301	129	28	0	0
-10.0	291	130	28	0	0
-15.0	278	113	19	0	0
-20.0	257	107	16	0	0
-25.0	236	94	9	0	0
-30.0	208	76	3	0	0
-35.0	174	60	0	0	0
-40.0	133	45	0	0	0
-45.0	108	20	0	0	0
-50.0	78	4	0	0	0
-60.0	11	0	0	0	0
-70.0	0	0	0	0	0
-80.0	0	0	0	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 29780.08

Total Field Lumens (one side of beam only) = 23051.4

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>0.5</u>	<u>1</u>	<u>1.5</u>	<u>2</u>	<u>2.5</u>	<u>3</u>	<u>3.5</u>	<u>4</u>	<u>4.5</u>
90										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
65	0.14	0.14	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.15
60	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
55	0.72	0.71	0.71	0.71	0.71	0.71	0.72	0.74	0.79	0.85
50	1.35	1.34	1.33	1.33	1.34	1.38	1.48	1.64	1.89	2.22
45	3.30	3.29	3.27	3.26	3.26	3.31	3.55	3.96	4.61	5.36
40	7.01	7.00	6.97	6.97	6.96	6.98	7.13	7.39	7.84	8.32
37.5	4.72	4.71	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
35	5.14 *	5.13 *	5.11 *	5.11 *	5.10 *	5.09 *	5.09 *	5.09 *	5.08 *	5.07 *
32.5	5.76 *	5.75 *	5.73 *	5.72 *	5.71 *	5.69 *	5.68 *	5.67 *	5.65 *	5.64 *
30	6.51 *	6.50 *	6.48 *	6.46 *	6.44 *	6.43 *	6.41 *	6.38 *	6.35 *	6.33 *
27.5	7.59 *	7.56 *	7.53 *	7.50 *	7.48 *	7.45 *	7.42 *	7.38 *	7.34 *	7.30 *
25	9.19 *	9.15 *	9.09 *	9.04 *	9.00 *	8.94 *	8.88 *	8.83 *	8.78 *	8.71 *
22.5	11.38 *	11.31 *	11.24 *	11.19 *	11.13 *	11.04 *	10.95 *	10.89 *	10.80 *	10.69 *
20	13.86 *	13.78 *	13.69 *	13.64 *	13.58 *	13.49 *	13.40 *	13.31 *	13.20 *	13.06 *
17.5	16.45 *	16.34 *	16.23 *	16.18 *	16.11 *	16.01 *	15.91 *	15.80 *	15.68 *	15.53 *
15	19.48 *	19.30 *	19.18 *	19.11 *	19.04 *	18.91 *	18.78 *	18.67 *	18.52 *	18.34 *
12.5	22.58 *	22.42 *	22.29 *	22.21 *	22.12 *	21.98 *	21.82 *	21.68 *	21.51 *	21.32 *
10	25.65 *	25.57 *	25.47 *	25.39 *	25.28 *	25.12 *	24.91 *	24.72 *	24.50 *	24.25 *
7.5	29.26 *	29.19 *	29.05 *	28.95 *	28.79 *	28.53 *	28.24 *	27.97 *	27.65 *	27.27 *
	33.77 *	33.66 *	33.45 *	33.26 *	33.02 *	32.60 *	32.14 *	31.74 *	31.26 *	30.69 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

5	7.36 *	7.33 *	7.29 *	7.24 *	7.17 *	7.07 *	6.95 *	6.85 *	6.73 *	6.59 *
4.5	7.58 *	7.56 *	7.51 *	7.45 *	7.38 *	7.26 *	7.13 *	7.03 *	6.90 *	6.74 *
4	7.84 *	7.82 *	7.76 *	7.69 *	7.61 *	7.49 *	7.34 *	7.22 *	7.08 *	6.91 *
3.5	8.10 *	8.06 *	7.99 *	7.91 *	7.82 *	7.69 *	7.54 *	7.40 *	7.24 *	7.06 *
3	8.32 *	8.27 *	8.21 *	8.12 *	8.03 *	7.88 *	7.71 *	7.56 *	7.39 *	7.20 *
2.5	8.57 *	8.54 *	8.48 *	8.37 *	8.26 *	8.10 *	7.91 *	7.75 *	7.57 *	7.35 *
2	8.86 *	8.83 *	8.75 *	8.62 *	8.48 *	8.29 *	8.08 *	7.91 *	7.71 *	7.49 *
1.5	9.12 *	9.09 *	9.00 *	8.84 *	8.68 *	8.48 *	8.24 *	8.05 *	7.84 *	7.60 *
1	9.39 *	9.34 *	9.24 *	9.07 *	8.88 *	8.66 *	8.40 *	8.19 *	7.98 *	7.72 *
0.5	9.65 *	9.59 *	9.45 *	9.25 *	9.06 *	8.82 *	8.54 *	8.32 *	8.09 *	7.81 *
0	9.86 *	9.79 *	9.63 *	9.40 *	9.19 *	8.94 *	8.64 *	8.41 *	8.16 *	7.88 *
-0.5	10.01 *	9.92 *	9.75 *	9.51 *	9.28 *	9.02 *	8.71 *	8.46 *	8.22 *	7.93 *
-1	10.10 *	10.00 *	9.82 *	9.57 *	9.34 *	9.06 *	8.74 *	8.49 *	8.23 *	7.95 *
-1.5	10.08 *	9.97 *	9.80 *	9.56 *	9.32 *	9.05 *	8.73 *	8.47 *	8.21 *	7.93 *
-2	9.95 *	9.85 *	9.70 *	9.46 *	9.22 *	8.97 *	8.66 *	8.41 *	8.16 *	7.88 *
-2.5	9.74 *	9.64 *	9.50 *	9.27 *	9.06 *	8.83 *	8.53 *	8.30 *	8.07 *	7.80 *
-3	9.48 *	9.39 *	9.26 *	9.06 *	8.86 *	8.65 *	8.38 *	8.17 *	7.95 *	7.71 *
-3.5	9.17 *	9.09 *	8.99 *	8.80 *	8.62 *	8.44 *	8.21 *	8.01 *	7.81 *	7.58 *
-4	8.81 *	8.75 *	8.66 *	8.51 *	8.36 *	8.20 *	7.99 *	7.82 *	7.64 *	7.42 *
-4.5	8.51 *	8.46 *	8.38 *	8.25 *	8.12 *	7.98 *	7.79 *	7.64 *	7.48 *	7.28 *
-5	38.58 *	38.42 *	38.16 *	37.68 *	37.21 *	36.72 *	35.94 *	35.35 *	34.81 *	34.01 *
-7.5	32.98 *	32.86 *	32.75 *	32.53 *	32.30 *	32.07 *	31.62 *	31.34 *	31.09 *	30.59 *
-10	55.29 *	55.11 *	54.97 *	54.63 *	54.27 *	53.87 *	53.22 *	52.74 *	52.27 *	51.50 *
-15	42.01 *	41.95 *	41.84 *	41.49 *	41.14 *	40.78 *	40.16 *	39.64 *	39.15 *	38.53 *
-20	29.10 *	29.06 *	29.04 *	28.90 *	28.74 *	28.57 *	28.25 *	27.94 *	27.63 *	27.24 *
-25	19.28 *	19.26 *	19.27 *	19.23 *	19.17 *	19.10 *	18.94 *	18.78 *	18.63 *	18.43 *
-30	13.12 *	13.11 *	13.12 *	13.11 *	13.10 *	13.09 *	13.05 *	13.01 *	12.96 *	12.91 *
-35	9.93	9.93	9.95	9.94	9.93	9.92	9.91	9.89	9.87	9.84

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

-40	8.22	8.22	8.22	8.22	8.22	8.21	8.19	8.18	8.17	8.15
-45	6.07	6.06	6.07	6.07	6.06	6.05	6.03	6.02	6.01	5.99
-50	5.20	5.19	5.20	5.21	5.21	5.20	5.16	5.15	5.15	5.12
-60	0.77	0.77	0.78	0.79	0.79	0.79	0.78	0.78	0.78	0.78
-70	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	665.42	662.62	658.71	653.15	647.34	640.26	631.36	624.46	617.78	609.20

Vert. Angles	Horizontal Angles									
	<u>5</u>	<u>7.5</u>	<u>10</u>	<u>12.5</u>	<u>15</u>	<u>17.5</u>	<u>20</u>	<u>22.5</u>	<u>25</u>	<u>27.5</u>
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.03
75	0.19	0.19	0.20	0.21	0.20	0.20	0.20	0.20	0.19	0.20
70	0.72	0.72	0.74	0.73	0.70	0.68	0.66	0.63	0.60	0.58
65	1.71	1.73	1.73	1.68	1.59	1.52	1.44	1.35	1.25	1.15
60	4.73	4.95	4.64	4.11	3.54	3.15	2.88	2.63	2.38	2.15
55	13.16	14.12	13.40	12.23	10.91	9.71	8.51	7.28	6.05	4.80
50	29.75	30.77	29.58	27.38	24.81	22.29	19.59	16.81	14.17	11.57
45	42.89	42.98	41.92	40.08	37.92	35.72	33.34	30.58	26.68	22.23
40	23.37	23.10	22.76	22.42	21.99	21.39	20.74	19.85	18.32	16.08
37.5	25.11	24.66	24.13	23.55	22.89	22.14	21.42	20.69	19.97	18.80
35	27.86 *	27.18 *	26.36 *	25.38 *	24.26	23.21	22.28	21.42	20.58	19.61
32.5	31.25 *	30.34 *	29.27 *	27.96 *	26.42 *	24.95 *	23.60	22.32	21.04	19.56
30	35.84 *	34.41 *	32.83 *	31.08 *	29.18 *	27.33 *	25.41 *	23.35 *	21.11	19.54
27.5	42.45 *	40.34 *	37.89 *	35.14 *	32.48 *	30.06 *	27.43 *	24.43 *	22.01	20.99
25	51.72 *	48.62 *	45.02 *	41.01 *	37.11 *	33.28 *	29.55 *	26.56 *	24.63 *	23.14 *
22.5	63.14 *	59.13 *	54.30 *	48.69 *	42.98 *	37.48 *	32.97 *	30.00 *	27.41 *	24.78 *
20	75.31 *	70.72 *	65.03 *	57.94 *	50.14 *	43.42 *	38.17 *	33.65 *	29.73 *	26.40 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

17.5	88.90 *	83.38 *	76.41 *	67.98 *	59.47 *	51.72 *	44.34 *	37.59 *	32.24 *	28.20 *
15	103.28 *	96.86 *	88.26 *	78.39 *	69.58 *	60.88 *	51.02 *	41.95 *	35.08 *	30.12 *
12.5	117.19 *	109.68 *	100.45 *	89.81 *	79.07 *	68.63 *	57.53 *	46.62 *	38.04 *	32.03 *
10	131.08 *	122.00 *	112.43 *	100.92 *	87.70 *	75.17 *	63.30 *	51.16 *	40.86 *	33.80 *
7.5	145.75 *	133.71 *	122.73 *	110.15 *	95.25 *	80.78 *	67.68 *	54.64 *	43.28 *	35.23 *
5	30.98 *	28.06 *	25.59 *	22.96 *	19.85 *	16.71 *	13.91 *	11.24 *	8.89 *	7.19 *
4.5	31.63 *	28.48 *	25.85 *	23.19 *	20.02 *	16.84 *	14.01 *	11.31 *	8.95 *	7.23 *
4	32.30 *	28.88 *	26.12 *	23.42 *	20.19 *	16.98 *	14.13 *	11.39 *	9.01 *	7.27 *
3.5	32.89 *	29.21 *	26.34 *	23.62 *	20.35 *	17.09 *	14.22 *	11.47 *	9.06 *	7.30 *
3	33.46 *	29.55 *	26.55 *	23.78 *	20.48 *	17.19 *	14.31 *	11.53 *	9.10 *	7.32 *
2.5	34.04 *	29.93 *	26.81 *	23.97 *	20.62 *	17.29 *	14.37 *	11.60 *	9.15 *	7.35 *
2	34.55 *	30.26 *	27.02 *	24.12 *	20.73 *	17.38 *	14.44 *	11.65 *	9.19 *	7.37 *
1.5	35.00 *	30.55 *	27.23 *	24.27 *	20.81 *	17.45 *	14.50 *	11.69 *	9.21 *	7.38 *
1	35.42 *	30.84 *	27.48 *	24.42 *	20.91 *	17.50 *	14.52 *	11.71 *	9.24 *	7.40 *
0.5	35.76 *	31.05 *	27.63 *	24.52 *	20.97 *	17.56 *	14.55 *	11.73 *	9.25 *	7.41 *
0	36.04 *	31.20 *	27.71 *	24.59 *	21.01 *	17.60 *	14.58 *	11.74 *	9.25 *	7.41 *
-0.5	36.24 *	31.31 *	27.79 *	24.66 *	21.05 *	17.62 *	14.60 *	11.76 *	9.26 *	7.41 *
-1	36.30 *	31.35 *	27.88 *	24.74 *	21.09 *	17.63 *	14.61 *	11.77 *	9.25 *	7.40 *
-1.5	36.27 *	31.38 *	27.94 *	24.79 *	21.10 *	17.63 *	14.60 *	11.76 *	9.24 *	7.38 *
-2	36.09 *	31.30 *	27.98 *	24.86 *	21.07 *	17.60 *	14.59 *	11.75 *	9.22 *	7.37 *
-2.5	35.83 *	31.18 *	28.00 *	24.90 *	21.02 *	17.55 *	14.56 *	11.72 *	9.19 *	7.35 *
-3	35.52 *	31.05 *	27.99 *	24.89 *	20.98 *	17.50 *	14.52 *	11.67 *	9.16 *	7.32 *
-3.5	35.05 *	30.85 *	27.90 *	24.85 *	20.96 *	17.46 *	14.48 *	11.62 *	9.11 *	7.29 *
-4	34.43 *	30.54 *	27.70 *	24.70 *	20.90 *	17.40 *	14.44 *	11.57 *	9.05 *	7.26 *
-4.5	33.85 *	30.22 *	27.45 *	24.44 *	20.75 *	17.33 *	14.40 *	11.54 *	9.01 *	7.22 *
-5	160.09 *	145.61 *	132.23 *	116.42 *	99.14 *	83.59 *	69.98 *	56.22 *	43.96 *	35.54 *
-7.5	146.28 *	134.95 *	121.69 *	106.10 *	90.87 *	77.69 *	65.48 *	52.74 *	41.76 *	34.42 *
-10	246.87 *	227.41 *	204.69 *	179.88 *	156.14 *	134.45 *	112.86 *	92.20 *	75.83 *	64.23 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

-15	185.00 *	171.73 *	156.58 *	139.01 *	121.15 *	104.20 *	88.00 *	74.65 *	64.80 *	56.60 *
-20	130.96 *	122.18 *	112.80 *	101.85 *	90.31 *	79.71 *	69.93 *	61.47 *	54.50 *	47.96 *
-25	89.23 *	84.25 *	79.19 *	73.87 *	68.30 *	62.90 *	57.52 *	52.10 *	47.25 *	42.69
-30	63.64 *	61.73 *	59.41 *	56.66 *	53.53 *	50.49 *	47.58 *	44.78	42.35	39.88
-35	48.80	48.10	47.20	46.03	44.68	43.14	41.23	39.16	36.76	33.70
-40	40.54	40.15	39.46	38.30	36.73	34.79	32.55	30.03	27.02	23.52
-45	29.64	29.00	28.00	26.47	24.55	22.44	20.24	17.84	15.33	12.82
-50	25.19	24.37	23.28	21.88	20.19	18.33	16.33	14.18	12.03	9.87
-60	3.87	3.79	3.70	3.58	3.42	3.25	3.08	2.89	2.70	2.48
-70	0.74	0.74	0.73	0.73	0.71	0.68	0.65	0.63	0.61	0.58
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2917.93	2700.81	2483.99	2243.32	1982.77	1736.68	1505.84	1284.82	1093.33	941.93

Vert. Angles	Horizontal Angles									
	<u>30</u>	<u>32.5</u>	<u>35</u>	<u>37.5</u>	<u>40</u>	<u>45</u>	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.04	0.04	0.05	0.05	0.09	0.06	0.02	0.00	0.00	0.00
75	0.21	0.19	0.20	0.20	0.33	0.22	0.10	0.02	0.00	0.00
70	0.55	0.50	0.48	0.45	0.73	0.50	0.29	0.12	0.03	0.00
65	1.06	0.96	0.88	0.80	1.32	0.95	0.59	0.31	0.11	0.01
60	1.95	1.73	1.52	1.33	2.13	1.52	0.99	0.56	0.25	0.06
55	3.70	2.99	2.57	2.20	3.42	2.31	1.48	0.88	0.43	0.15
50	9.07	7.02	5.33	3.88	5.35	3.48	2.13	1.24	0.66	0.28
45	18.18	14.47	11.13	8.15	9.78	5.04	3.01	1.69	0.91	0.42
40	13.36	10.67	8.43	6.45	7.70	3.50	1.91	1.05	0.56	0.27
37.5	16.63	13.52	10.36	7.83	10.01	4.77	2.21	1.20	0.62	0.30
35	18.22	15.71	12.44	9.65	13.03	6.22	2.58	1.35	0.68	0.32
32.5	17.99	16.87	15.28	12.51	16.56	7.81	3.15	1.51	0.75	0.36

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

30										
	18.69	18.23	17.54	15.08	20.05	9.68	3.96	1.68	0.83	0.40
27.5										
	20.39	19.43	18.34	16.68	23.51	11.62	4.80	1.85	0.90	0.43
25										
	21.52	20.05	18.76	17.53	26.10	13.61	5.63	2.03	0.98	0.45
22.5										
	22.53 *	20.67	19.20	17.94	27.93	15.67	6.45	2.24	1.05	0.48
20										
	23.57 *	21.31 *	19.64	18.30	29.69	17.66	7.28	2.49	1.12	0.50
17.5										
	24.80 *	22.10 *	20.08	18.56	31.31	19.60	8.18	2.83	1.19	0.53
15										
	26.19 *	22.96 *	20.56 *	18.83	32.66	21.24	9.06	3.18	1.25	0.55
12.5										
	27.48 *	23.77 *	21.08 *	19.15	33.54	22.36	9.79	3.48	1.30	0.57
10										
	28.59 *	24.55 *	21.55 *	19.38	33.99	23.02	10.37	3.71	1.34	0.59
7.5										
	29.45 *	25.16 *	21.86 *	19.50	34.08	23.33	10.81	3.89	1.36	0.60
5										
	5.97 *	5.09 *	4.40 *	3.90	6.80	4.69	2.20	0.79	0.27	0.12
4.5										
	6.00 *	5.10 *	4.40 *	3.91	6.80	4.69	2.21	0.80	0.27	0.12
4										
	6.03 *	5.11 *	4.41 *	3.91	6.80	4.70	2.22	0.80	0.28	0.12
3.5										
	6.05 *	5.13 *	4.42 *	3.91	6.80	4.71	2.23	0.81	0.28	0.12
3										
	6.06 *	5.14 *	4.42 *	3.91	6.80	4.71	2.24	0.81	0.28	0.12
2.5										
	6.08 *	5.15 *	4.42 *	3.91	6.79	4.71	2.25	0.81	0.28	0.12
2										
	6.09 *	5.16 *	4.43 *	3.91	6.78	4.71	2.25	0.81	0.28	0.12
1.5										
	6.11 *	5.17 *	4.43 *	3.91	6.77	4.70	2.25	0.82	0.28	0.12
1										
	6.10 *	5.16 *	4.43 *	3.90	6.76	4.70	2.25	0.82	0.28	0.12
0.5										
	6.09 *	5.14 *	4.42 *	3.90	6.76	4.70	2.25	0.81	0.28	0.12
0										
	6.12 *	5.16 *	4.42 *	3.89	6.76	4.70	2.25	0.82	0.28	0.12
-0.5										
	6.10 *	5.15 *	4.42 *	3.89	6.75	4.70	2.25	0.81	0.28	0.12
-1										
	6.09 *	5.15 *	4.42 *	3.90	6.75	4.69	2.25	0.81	0.28	0.12
-1.5										
	6.10 *	5.16 *	4.42 *	3.89	6.74	4.68	2.24	0.81	0.28	0.12
-2										
	6.08 *	5.14 *	4.40 *	3.88	6.73	4.68	2.24	0.81	0.28	0.12
-2.5										
	6.05 *	5.11 *	4.39 *	3.87	6.72	4.67	2.23	0.81	0.28	0.12
-3										
	6.03 *	5.09 *	4.38 *	3.86	6.69	4.65	2.22	0.80	0.28	0.12
-3.5										
	6.02 *	5.08 *	4.36 *	3.85	6.67	4.62	2.21	0.80	0.28	0.12

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

-4	6.00 *	5.06 *	4.34 *	3.83	6.63	4.59	2.19	0.80	0.28	0.12
-4.5	5.98 *	5.04 *	4.32 *	3.81	6.60	4.56	2.17	0.79	0.28	0.12
-5	29.49 *	24.86 *	21.35 *	18.84	32.58	22.36	10.55	3.85	1.36	0.59
-7.5	28.90 *	24.40 *	21.05 *	18.66	32.14	21.75	10.09	3.68	1.34	0.58
-10	54.75 *	46.94 *	41.13 *	36.88	62.98	41.52	18.61	6.67	2.56	1.12
-15	49.47 *	43.81 *	39.30	35.83	59.26	36.93	15.87	5.56	2.35	1.05
-20	42.90	39.72	36.96	34.13	53.11	30.21	12.62	4.51	2.09	0.96
-25	39.06	36.65	33.25	29.08	42.65	22.45	9.31	3.74	1.81	0.86
-30	36.90	33.27	28.08	22.47	30.59	14.91	6.30	3.02	1.51	0.75
-35	29.89	25.47	20.73	16.11	20.05	9.10	4.40	2.38	1.24	0.62
-40	19.80	16.01	12.39	9.14	11.07	5.68	3.33	1.87	1.03	0.51
-45	10.25	7.94	6.08	4.48	6.09	3.89	2.43	1.46	0.81	0.39
-50	7.57	5.87	4.97	4.32	6.90	4.76	3.12	1.92	1.02	0.43
-60	2.27	2.07	1.86	1.69	2.89	2.19	1.50	0.85	0.36	0.11
-70	0.57	0.57	0.55	0.52	0.92	0.74	0.48	0.22	0.05	0.01
-80	0.01	0.04	0.06	0.07	0.17	0.15	0.08	0.02	0.00	0.00
-90										
Total	817.12	713.00	623.09	544.43	859.58	524.38	238.09	93.22	39.41	17.62

Vert. Angles	Horizontal Angles					
	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.01
80	0.00	0.00	0.00	0.00	0.00	0.41
75	0.00	0.00	0.00	0.00	0.00	3.86
70	0.00	0.00	0.00	0.00	0.00	11.87
65	0.00	0.00	0.00	0.00	0.00	25.45
60	0.00	0.00	0.00	0.00	0.00	54.57
55	0.02	0.00	0.00	0.00	0.00	135.63
50	0.07	0.00	0.00	0.00	0.00	302.38

IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

45	0.12	0.01	0.00	0.00	499.85
40	0.09	0.01	0.00	0.00	311.05
37.5	0.10	0.02	0.00	0.00	341.93
35	0.12	0.02	0.00	0.00	375.47
32.5	0.14	0.03	0.00	0.00	413.96
30	0.15	0.03	0.00	0.00	460.93
27.5	0.17	0.03	0.00	0.00	520.95
25	0.18	0.04	0.00	0.00	598.12
22.5	0.19	0.04	0.00	0.00	690.29
20	0.20	0.05	0.00	0.00	792.56
17.5	0.21	0.05	0.00	0.00	909.01
15	0.23	0.06	0.00	0.00	1032.1
12.5	0.23	0.06	0.01	0.00	1152.71
10	0.24	0.06	0.01	0.00	1270.72
7.5	0.25	0.06	0.01	0.00	1385.15
5	0.05	0.01	0.00	0.00	290.26
4.5	0.05	0.01	0.00	0.00	294.43
4	0.05	0.01	0.00	0.00	298.90
3.5	0.05	0.01	0.00	0.00	302.87
3	0.05	0.01	0.00	0.00	306.53
2.5	0.05	0.01	0.00	0.00	310.61
2	0.05	0.01	0.00	0.00	314.33
1.5	0.05	0.01	0.00	0.00	317.66
1	0.05	0.01	0.00	0.00	320.87
0.5	0.05	0.01	0.00	0.00	323.56
0	0.05	0.01	0.00	0.00	325.63
-0.5	0.05	0.01	0.00	0.00	327.04
-1	0.05	0.01	0.00	0.00	327.83

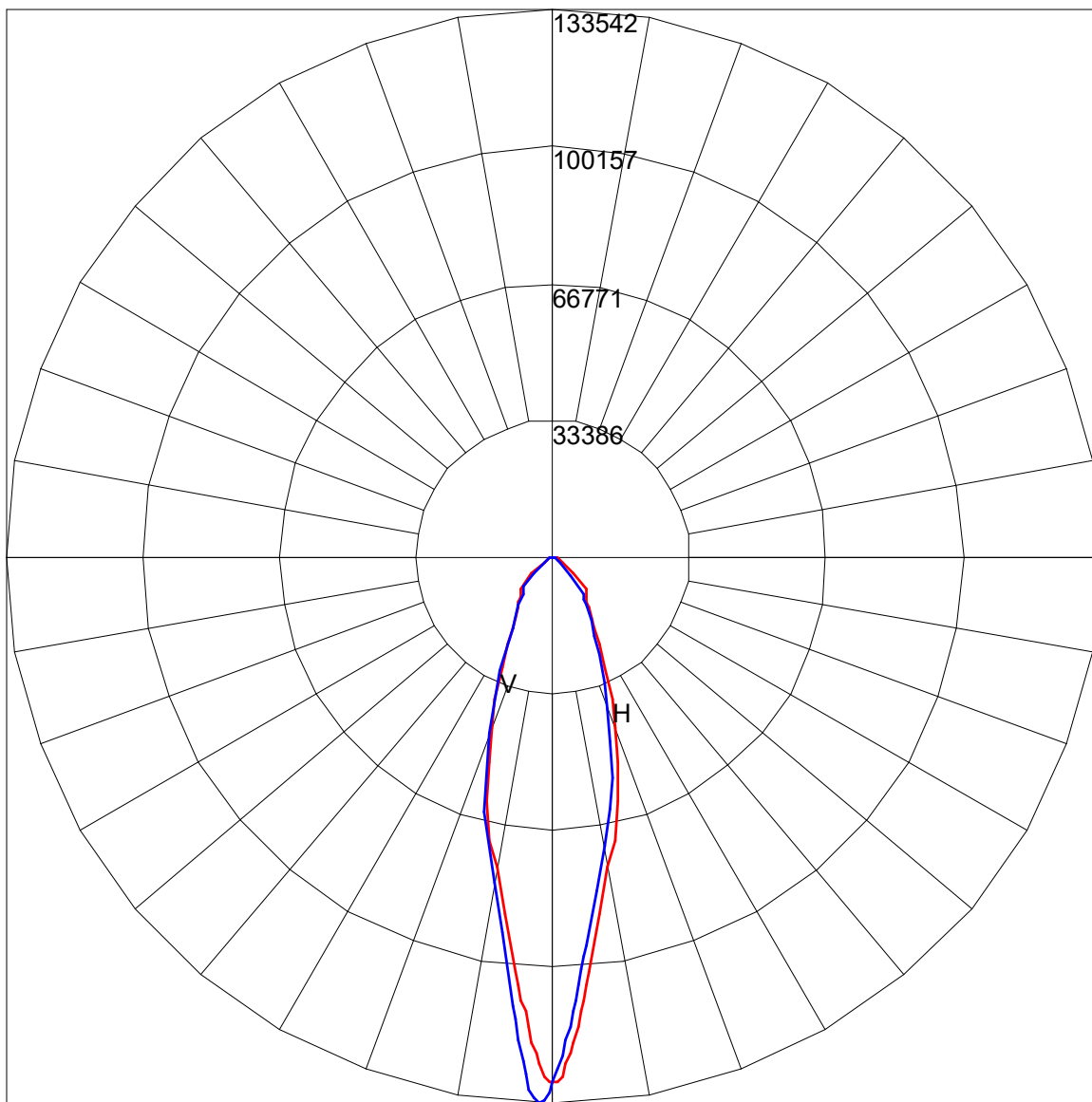
IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

LUMENS TABULATION - (Cont.)

-1.5	0.05	0.01	0.00	0.00	327.72
-2	0.05	0.01	0.00	0.00	326.47
-2.5	0.05	0.01	0.00	0.00	324.34
-3	0.05	0.01	0.00	0.00	321.71
-3.5	0.05	0.01	0.00	0.00	318.36
-4	0.05	0.01	0.00	0.00	314.04
-4.5	0.05	0.01	0.00	0.00	309.83
-5	0.25	0.06	0.01	0.00	1475.82
-7.5	0.24	0.06	0.01	0.00	1355.00
-10	0.46	0.12	0.01	0.00	2346.18
-15	0.43	0.11	0.01	0.00	1858.39
-20	0.40	0.09	0.01	0.00	1413.84
-25	0.35	0.07	0.00	0.00	1066.65
-30	0.30	0.06	0.00	0.00	828.80
-35	0.24	0.04	0.00	0.00	658.19
-40	0.18	0.03	0.00	0.00	506.12
-45	0.12	0.01	0.00	0.00	330.72
-50	0.11	0.00	0.00	0.00	278.45
-60	0.01	0.00	0.00	0.00	56.37
-70	0.00	0.00	0.00	0.00	12.94
-80	0.00	0.00	0.00	0.00	0.60
-90					
Total	6.79	1.49	0.10	0.00	29780.06

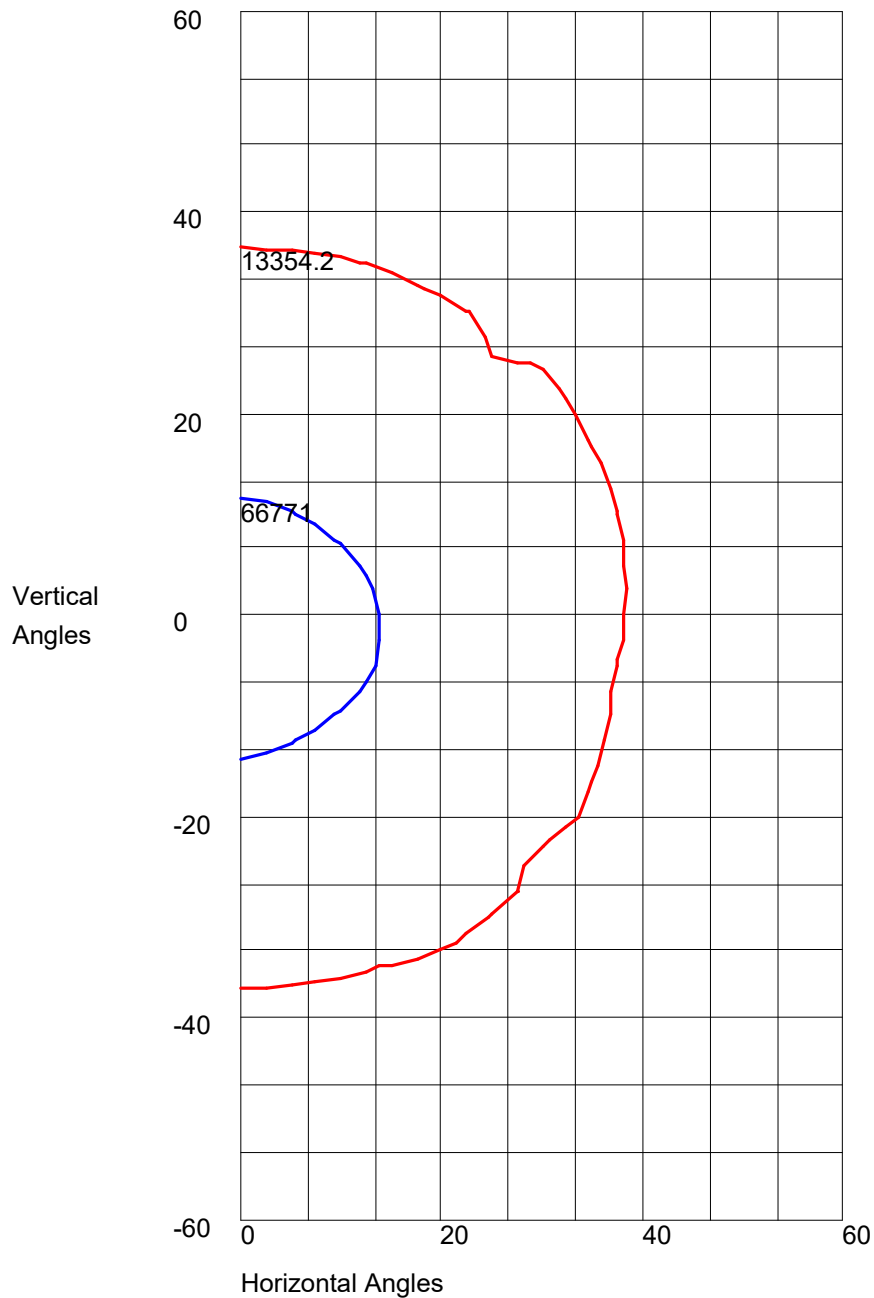
IES FLOOD REPORT
PHOTOMETRIC FILENAME : HID-22SL-REM.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 133542 Located At Horizontal Angle = 0, Vertical Angle = -1.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 133542 Located At Horizontal Angle = 0, Vertical Angle = -1.5
50% Maximum Candela = 66771
10% Maximum Candela = 13354.2