



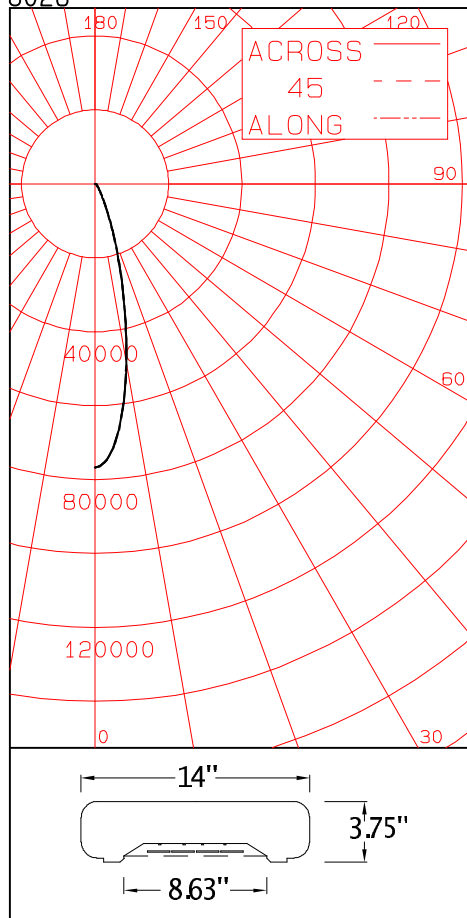
LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC G026
COMPUTED BY LSC PROGRAM **TEST-LITE**

NEMALUX LED LIGHTING LUMINAIRE CAT. NO. RSLED-CW-M-BLK-GEN-WAL-VAC
WITH INDIVIDUAL LED MEDIUM OPTICS (25 DEGREES) AND CLEAR OUTER LENS
48 WHITE LEDS. LUMEN OUTPUT = 20395 LMS.
MEAN WELL 100-277V LED DRIVER MODEL NO. HLG-240H-36A

G026



CANDLEPOWER SUMMARY

OUTPUT
LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	76749	76749	76749	76749	76749	
5	68683	68653	68709	68679	68640	5951
10	49117	49113	48971	49281	49212	
15	28850	28871	29005	29005	29035	7928
20	14724	14797	14819	14913	14832	
25	6929	7020	7123	7067	6977	3446
30	3443	3521	3594	3559	3495	
35	1984	2023	2066	2053	2019	1338
40	1287	1313	1347	1334	1317	
45	912	930	951	947	934	740
50	684	702	727	719	702	
55	538	560	572	568	547	509
60	443	461	473	465	456	
65	336	353	374	362	344	351
70	220	232	258	237	224	
75	108	121	121	121	108	128
80	17	26	26	22	22	
85	0	0	0	0	0	3
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	17325	84.95	84.95
0-40	18663	91.51	91.51
0-60	19912	97.63	97.63
0-90	20395	100.00	100.00
40-90	1731	8.49	8.49
60-90	482	2.37	2.37
90-180	0	.00	.00
0-180	20395	100.00	100.00

** EFFICACY = 85.0 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = .4
SC = .4

ANGLE	ALONG	45	ACROSS
45	26886	28135	27625
55	19543	20873	19932
65	16551	18526	17040
75	8662	9713	8695
85	0	0	0

CERTIFIED BY:

Charles Sison

DATE:
JUL 27, 2012

PREPARED FOR:

NEMALUX LED LIGHTING
GALGARY, ALBERTA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE
TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
.0	76749	76749	76749	76749	76749	76749	5951
2.5	74653	74601	74683	74679	74610	74649	
5.0	68683	68653	68709	68679	68640	68676	
7.5	59636	59645	59447	59735	59675	59621	
10.0	49117	49113	48971	49281	49212	49132	
12.5	38430	38430	38473	38585	38572	38498	7928
15.0	28850	28871	29005	29005	29035	28956	
17.5	20905	20978	21047	21085	21085	21026	
20.0	14724	14797	14819	14913	14832	14827	
22.5	10132	10222	10278	10299	10192	10240	
25.0	6929	7020	7123	7067	6977	7041	3446
27.5	4799	4894	4997	4932	4864	4914	
30.0	3443	3521	3594	3559	3495	3536	
32.5	2574	2630	2677	2668	2613	2642	
35.0	1984	2023	2066	2053	2019	2036	
37.5	1580	1610	1653	1636	1614	1624	1338
40.0	1287	1313	1347	1334	1317	1324	
42.5	1080	1093	1119	1115	1093	1103	
45.0	912	930	951	947	934	938	
47.5	788	801	826	813	805	809	
50.0	684	702	727	719	702	710	509
52.5	607	624	646	628	615	627	
55.0	538	560	572	568	547	561	
57.5	486	504	525	516	499	509	
60.0	443	461	473	465	456	462	
62.5	392	413	426	417	405	414	351
65.0	336	353	374	362	344	357	
67.5	280	301	323	301	284	302	
70.0	220	232	258	237	224	237	
72.5	159	176	189	181	164	177	
75.0	108	121	121	121	108	117	128
77.5	56	69	65	69	60	65	
80.0	17	26	26	22	22	23	
82.5	0	0	0	0	0	0	
85.0	0	0	0	0	0	0	
87.5	0	0	0	0	0	0	3
90.0	0	0	0	0	0	0	

LIGHTING SCIENCES CANADA LTD.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSC G026
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 MEAN WELL 100-277V LED DRIVER MODEL NO. HLG-240H-36A

AVERAGE LUMINANCE DATA

		CD. / SQ. M.		(FOOTLAMBERTS)			
ANGLE	ALONG	22.5	45	67.5	ACROSS		
0	1599132 (466730)	1599132 (466730)	1599132 (466730)	1599132 (466730)	1599132 (466730)		
30	82840 (24178)	84942 (24791)	86688 (25301)	85843 (25054)	84083 (24540)		
40	35002 (10216)	35799 (10448)	36676 (10704)	36388 (10620)	35822 (10455)		
45	26886 (7847)	27428 (8005)	28135 (8211)	27983 (8167)	27625 (8063)		
50	22182 (6474)	22826 (6662)	23581 (6882)	23362 (6818)	22740 (6637)		
55	19543 (5704)	20362 (5942)	20873 (6092)	20699 (6041)	19932 (5817)		
60	18473 (5391)	19257 (5620)	19749 (5764)	19420 (5668)	19011 (5548)		
65	16551 (4830)	17416 (5083)	18526 (5407)	17881 (5218)	17040 (4973)		
70	13372 (3902)	14209 (4147)	15777 (4604)	14452 (4218)	13634 (3979)		
75	8662 (2528)	9738 (2842)	9713 (2835)	9735 (2841)	8695 (2537)		
80	2065 (602)	3110 (907)	3110 (907)	2585 (754)	2582 (753)		
85	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)		

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00		
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	1.00	.99	.98	.98	.96		
2	1.11	1.07	1.05	1.02	1.09	1.06	1.03	1.01	1.02	1.00	.99	1.00	.98	.96	.97	.96	.95	.93	.90		
3	1.07	1.03	.99	.96	1.06	1.01	.98	.96	.99	.97	.94	.97	.95	.93	.95	.93	.92	.90	.87		
4	1.04	.99	.95	.92	1.03	.98	.95	.92	.96	.93	.91	.94	.92	.90	.92	.90	.89	.87	.85		
5	1.01	.95	.91	.88	1.00	.94	.91	.88	.93	.90	.87	.91	.88	.86	.90	.88	.86	.85	.82		
6	.99	.92	.88	.85	.97	.92	.88	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82	.80		
7	.96	.89	.85	.82	.95	.89	.85	.82	.88	.84	.82	.86	.83	.81	.86	.83	.81	.80	.78		
8	.93	.87	.83	.80	.92	.86	.82	.79	.85	.82	.79	.84	.81	.79	.83	.81	.79	.78	.76		
9	.91	.84	.80	.77	.90	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.76	.76	.74		
10	.89	.82	.78	.75	.88	.82	.78	.75	.81	.77	.75	.80	.77	.75	.80	.77	.75	.74	.72		

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 239.9
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.