IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-EMG-24-2L-LED-113.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTDATE] 14-Oct-2013 16:27:08
[TESTLAB] Radiant Imaging ProSource
[ISSUEDATE] 10/14/2013 2:27:08 PM
[MANUFAC] Larson Electronics
[LUMCAT] EPL-EMG-24-2L-LED-113
[LUMINAIRE] ALUMINUM BALLAST HOUSING AND HUB ASSEMBLIES. WHITE POWDER COATED ALUMINUM REFLECTOR
[LAMP] TWO T8-STYLE LED LAMPS - 1750 LUMENS PER BULB

CHARACTERISTICS



IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	1750 (2 lamps)
Total Lamp Lumens	3500
Luminaire Lumens	3125
Downward Total Efficiency	89 %
Total Luminaire Efficiency	89 %
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	28
Ballast Factor	1.00
Maximum Candela	948.212
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	948.212
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	58.105 (1.7% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	336.565 (9.6% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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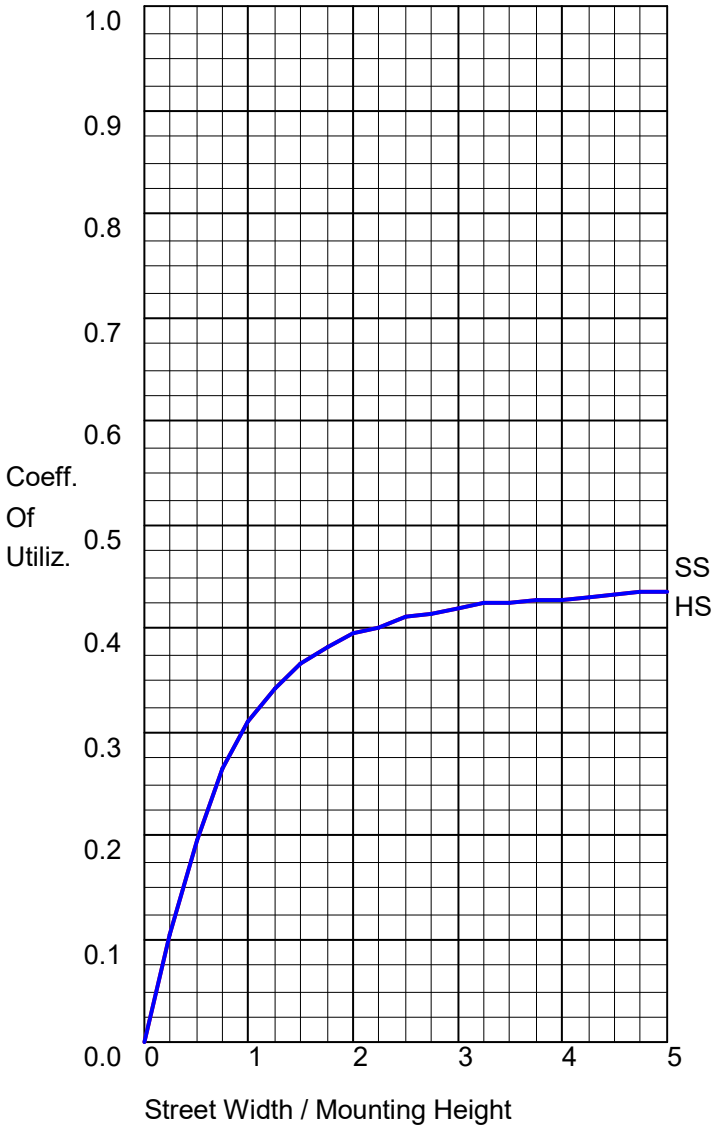
CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	**22.5**	**45.0**	**67.5**	**90.0**
0	894.424	894.424	894.424	894.424	894.424
5	919.855	897.581	936.414	826.739	948.212
10	843.895	857.152	897.623	884.895	928.847
15	836.473	881.722	887.454	921.126	858.969
20	838.367	846.062	870.862	864.574	897.973
25	826.918	840.013	825.187	849.355	833.573
30	793.818	814.565	807.817	816.186	804.661
35	738.384	739.041	756.768	761.579	787.445
40	667.329	692.785	712.270	737.957	742.316
45	598.381	630.236	670.383	676.909	708.662
50	541.292	569.862	609.711	641.454	654.217
55	475.714	503.952	544.884	603.031	627.225
60	398.833	432.923	504.267	557.015	596.223
65	323.402	355.674	447.076	529.186	560.760
70	252.466	288.075	404.037	484.083	516.654
75	171.720	222.898	346.529	428.691	449.362
80	89.814	163.027	263.028	322.310	336.565
85	26.736	91.188	147.185	179.168	187.818
90	5.827	24.296	46.955	52.457	58.105

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COEFFICIENTS OF UTILIZATION



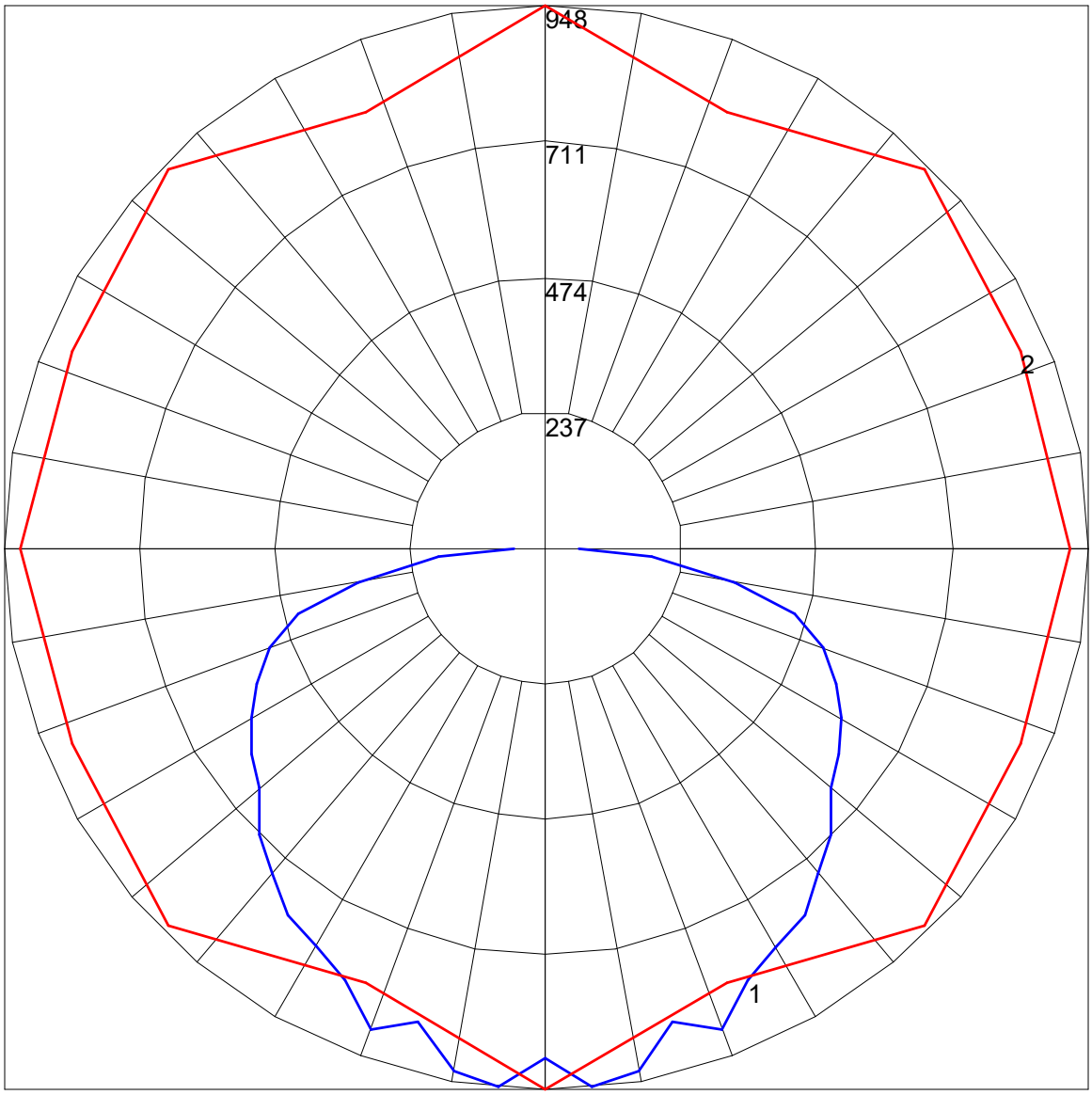
FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	1562.3	44.6
Downward House Side	1562.3	44.6
Downward Total	3124.6	89.3
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3124.6	89.3

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POLAR GRAPH

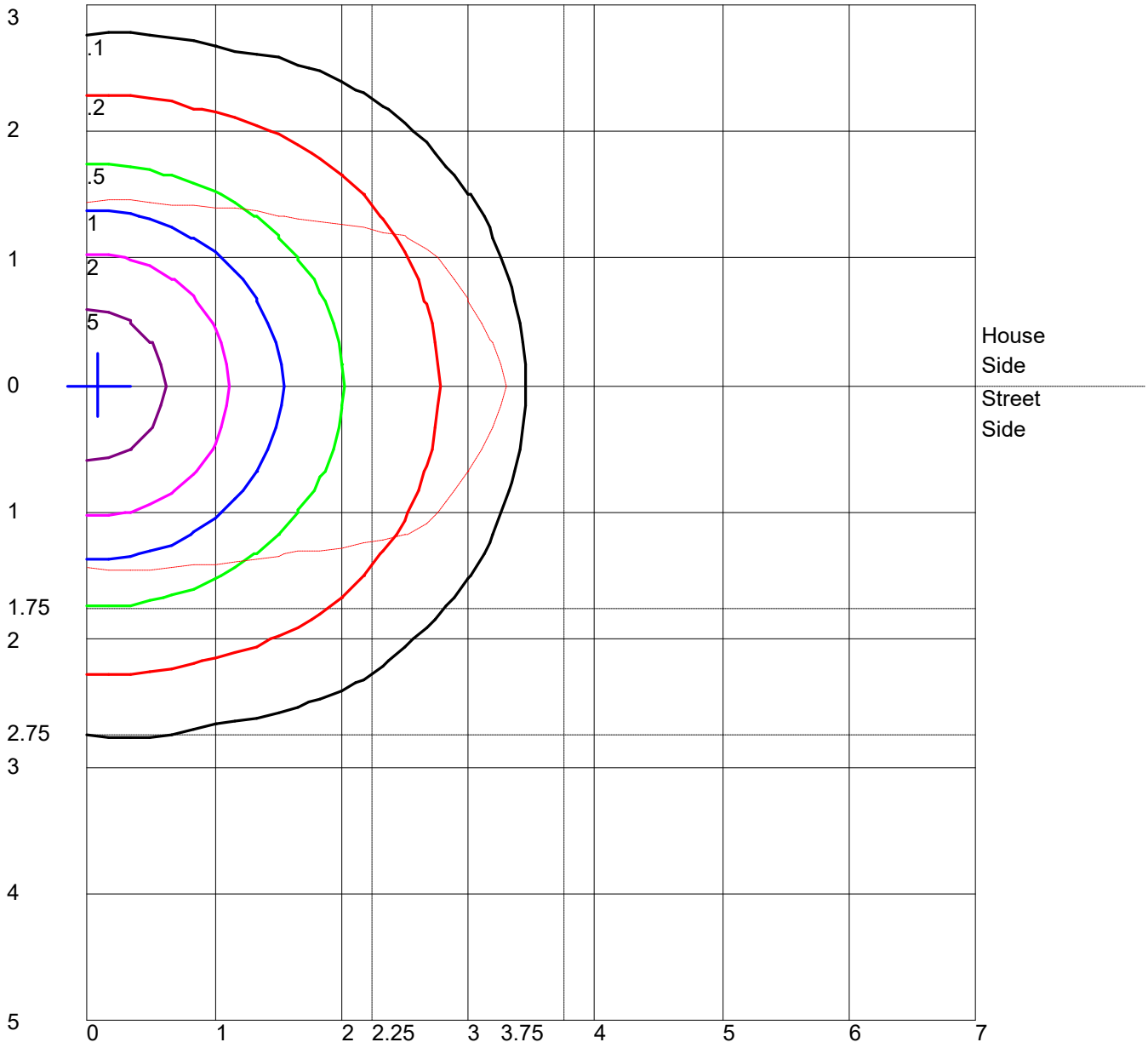


Maximum Candela = 948.212 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point