

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730360

Luminaire Tested: **HBLED-LD5-12SE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13104.0 lumens
Efficiency: N/A
Efficacy: 174.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

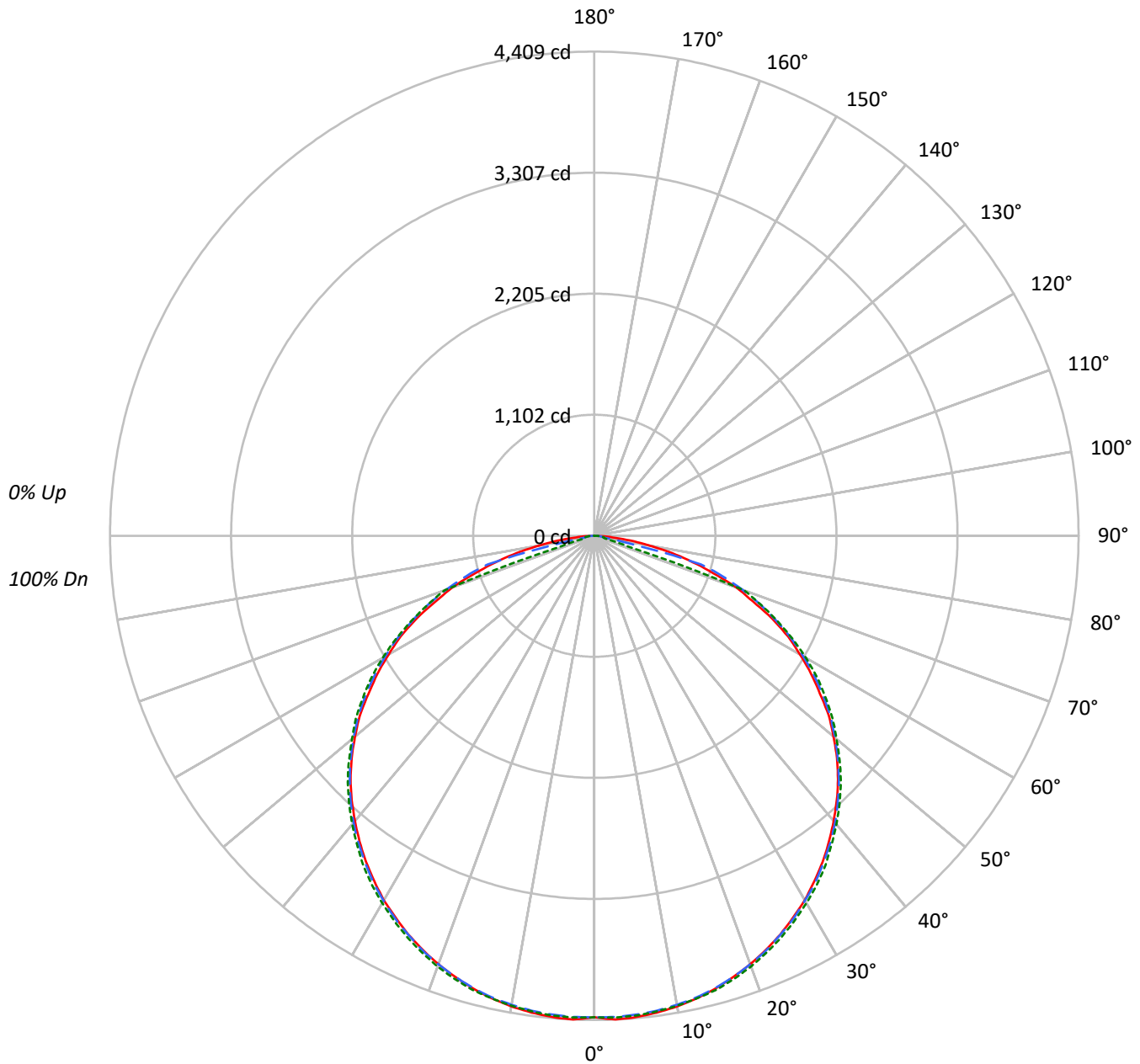
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7080	7080	7080
5°	7131	7094	7107
10°	7135	7109	7123
15°	7134	7124	7157
20°	7133	7135	7172
25°	7137	7140	7184
30°	7144	7154	7201
35°	7143	7166	7226
40°	7144	7190	7229
45°	7164	7191	7249
50°	7142	7184	7231
55°	7064	7163	7240
60°	6984	7097	7186
65°	6829	6971	7023
70°	6483	6760	6843
75°	5783	6271	755
80°	4650	781	827
85°	3094	1013	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.5	3.2
10°-20°	1203.4	9.2
20°-30°	1849.0	14.1
30°-40°	2276.1	17.4
40°-50°	2426.6	18.5
50°-60°	2268.4	17.3
60°-70°	1795.7	13.7
70°-80°	764.0	5.8
80°-90°	104.3	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3468.9	26.5
0°-40°	5745.0	43.8
0°-60°	10440.0	79.7
0°-90°	13104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4400	4380	4377	4360	4385	418
15°	4268	4260	4262	4250	4281	1205
25°	4006	4001	4008	4006	4032	1847
35°	3624	3618	3636	3648	3666	2268
45°	3138	3120	3149	3162	3175	2418
55°	2510	2517	2545	2553	2572	2247
65°	1788	1803	1825	1838	1838	1759
75°	927	967	1005	164	121	981
85°	167	50	55	57	56	218
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4385.0	4385.0	4385.0	4385.0	4385.0
2.5°	4409.4	4388.9	4385.0	4367.4	4390.8
5°	4399.6	4380.1	4377.2	4359.6	4385.0
7.5°	4379.1	4363.5	4361.5	4343.0	4368.4
10°	4351.8	4337.1	4336.1	4319.5	4344.9
12.5°	4314.6	4301.9	4305.9	4289.2	4314.6
15°	4267.8	4259.9	4261.9	4250.2	4281.4
17.5°	4211.1	4207.2	4211.1	4202.3	4230.6
20°	4151.5	4146.6	4152.5	4147.6	4174.0
22.5°	4082.2	4076.3	4088.0	4081.2	4105.6
25°	4006.0	4001.1	4007.9	4006.0	4032.3
27.5°	3919.0	3914.1	3928.8	3929.8	3950.3
30°	3832.1	3825.3	3837.0	3841.9	3862.4
32.5°	3728.5	3726.6	3744.2	3748.1	3769.6
35°	3624.0	3618.2	3635.7	3648.4	3666.0
37.5°	3509.7	3508.8	3527.3	3538.1	3546.9
40°	3389.6	3384.7	3411.1	3421.8	3429.6
42.5°	3267.5	3256.7	3282.1	3295.8	3304.6
45°	3137.6	3120.0	3149.3	3162.0	3174.7
47.5°	2994.9	2979.3	3007.6	3021.3	3030.1
50°	2843.5	2828.9	2860.1	2871.9	2878.7
52.5°	2691.2	2676.5	2709.7	2719.5	2736.1
55°	2509.5	2517.3	2544.6	2553.4	2572.0
57.5°	2341.5	2348.3	2374.7	2385.4	2406.9
60°	2162.7	2173.4	2197.9	2208.6	2225.2
62.5°	1989.8	1990.8	2020.1	2025.0	2037.7
65°	1787.6	1803.2	1824.7	1838.4	1838.4
67.5°	1561.9	1600.0	1637.2	1634.2	1642.0
70°	1373.4	1388.1	1432.0	1438.9	1449.6
72.5°	1137.0	1175.1	1224.0	914.3	310.6
75°	927.0	967.1	1005.2	164.1	121.1
77.5°	719.9	751.2	334.1	93.8	91.8
80°	500.1	550.0	84.0	86.0	88.9
82.5°	329.2	268.6	69.4	76.2	77.2
85°	167.0	49.8	54.7	56.7	55.7
87.5°	54.7	30.3	31.3	32.2	33.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)