

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: P730366

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-WG-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12410.0 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

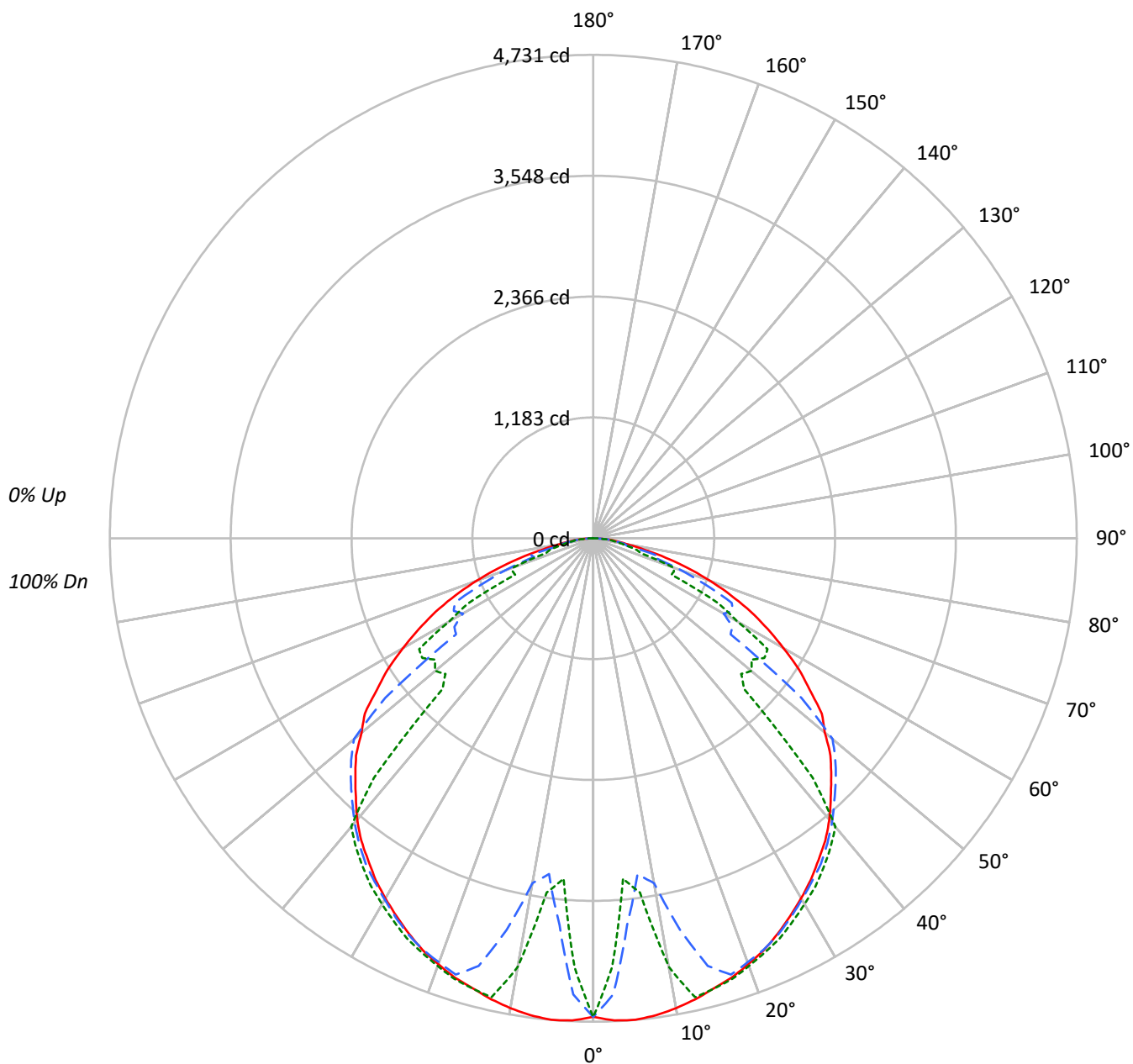
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7563	7563	7563
5°	7668	6160	5418
10°	7655	5618	6988
15°	7621	7241	7628
20°	7621	7587	7654
25°	7608	7625	7695
30°	7586	7611	7709
35°	7574	7658	7747
40°	7575	7657	7767
45°	7515	7662	4762
50°	7430	7678	5075
55°	7274	4617	5752
60°	6939	4759	5267
65°	6501	5714	3223
70°	5741	4329	3950
75°	4574	3934	2740
80°	3151	2843	2354
85°	3020	2625	2490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.6	3.0
10°-20°	1173.5	9.5
20°-30°	1930.7	15.6
30°-40°	2427.6	19.6
40°-50°	2380.9	19.2
50°-60°	1972.7	15.9
60°-70°	1391.4	11.2
70°-80°	607.0	4.9
80°-90°	151.7	1.2
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°	3478.8	28.0
0°-40°	5906.4	47.6
0°-60°	10259.9	82.7
0°-90°	12410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4684	4684	4684	4684	4684	
5°	4731	4404	3801	3446	3343	449
15°	4559	3166	4332	4577	4563	1289
25°	4270	3908	4280	4308	4319	1968
35°	3842	3840	3885	3911	3930	2407
45°	3291	3301	3356	2972	2085	2541
55°	2584	2668	1640	1865	2043	2312
65°	1702	1802	1496	1150	844	1673
75°	733	719	631	412	439	786
85°	163	145	142	136	134	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4684.4	4684.4	4684.4	4684.4	4684.4
2.5°	4723.0	4625.0	4469.3	4273.2	4203.8
5°	4731.4	4403.7	3801.0	3446.5	3342.8
7.5°	4707.4	4002.1	3313.8	3388.2	3498.0
10°	4669.3	3649.3	3426.9	4031.8	4262.0
12.5°	4620.5	3335.6	3925.9	4554.4	4600.3
15°	4559.4	3166.4	4332.1	4577.4	4563.4
17.5°	4507.9	3265.6	4477.7	4531.4	4521.3
20°	4435.7	3463.3	4415.5	4458.6	4454.7
22.5°	4362.8	3697.4	4356.7	4387.5	4387.5
25°	4270.4	3907.5	4279.9	4308.5	4319.2
27.5°	4169.0	4028.4	4184.1	4207.7	4226.7
30°	4068.8	4045.8	4082.2	4112.5	4134.9
32.5°	3962.9	3954.0	3982.5	4014.5	4043.0
35°	3842.5	3840.2	3885.0	3910.8	3930.5
37.5°	3729.3	3721.5	3763.0	3798.8	3813.9
40°	3593.8	3593.8	3633.0	3669.4	3685.1
42.5°	3439.2	3461.1	3491.3	3528.8	3178.2
45°	3291.3	3301.4	3355.7	2972.1	2085.4
47.5°	3149.0	3161.9	3213.5	1910.6	1962.7
50°	2958.1	3016.3	3056.6	1905.0	2020.4
52.5°	2818.6	2843.8	2565.9	1886.0	1950.9
55°	2583.9	2668.4	1640.0	1864.7	2043.3
57.5°	2383.4	2445.0	1612.6	1910.6	2021.5
60°	2148.7	2242.8	1473.7	1843.4	1631.1
62.5°	1923.5	2013.1	1538.7	1450.8	1381.3
65°	1701.7	1801.9	1495.6	1150.5	843.5
67.5°	1458.6	1365.1	1193.1	810.5	853.1
70°	1216.1	953.4	917.0	906.3	836.8
72.5°	966.8	695.7	608.8	680.0	486.7
75°	733.2	718.7	630.7	412.2	439.2
77.5°	508.6	518.7	337.7	402.1	333.8
80°	338.9	293.5	305.8	256.5	253.2
82.5°	234.7	239.7	201.1	194.9	197.7
85°	163.0	145.1	141.7	135.6	134.4
87.5°	54.3	63.3	58.8	53.2	56.6
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)