

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: P730300

Luminaire Tested: **HBLED-LD5-12SE-N-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CL-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11819.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

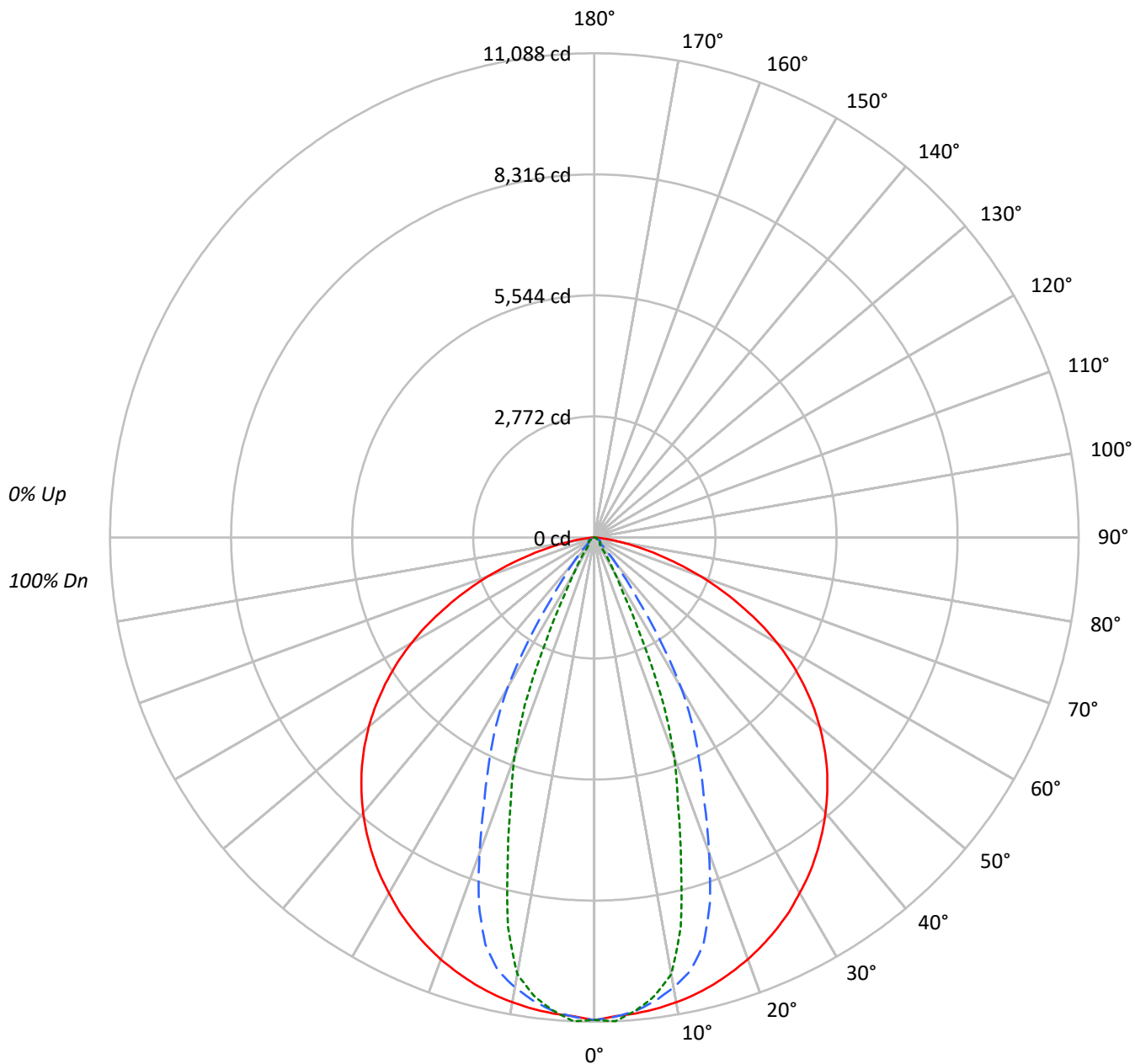
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17843	17843	17843
5°	17733	17641	17628
10°	17721	17153	16647
15°	17701	16130	12800
20°	17667	13200	9181
25°	17611	10170	4666
30°	17528	7422	1698
35°	17465	3409	591
40°	17358	1547	408
45°	17203	577	413
50°	16929	419	435
55°	16428	441	331
60°	15611	471	292
65°	14157	359	238
70°	12138	259	219
75°	9278	230	208
80°	5805	216	226
85°	1834	252	304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1028.8	8.7
10°-20°	2591.8	21.9
20°-30°	2822.5	23.9
30°-40°	2111.4	17.9
40°-50°	1518.2	12.8
50°-60°	932.4	7.9
60°-70°	536.5	4.5
70°-80°	239.5	2.0
80°-90°	38.0	0.3
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°	6443.1	54.5
0°-40°	8554.5	72.4
0°-60°	11005.1	93.1
0°-90°	11819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11051	11051	11051	11051	11051	
5°	10941	10993	10884	10894	10876	###
15°	10590	10387	9650	8288	7658	2989
25°	9886	9176	5709	3663	2619	4557
35°	8861	6355	1729	508	300	5543
45°	7534	3571	253	187	181	5804
55°	5836	742	157	152	118	5203
65°	3706	82	94	78	62	3668
75°	1487	49	37	38	33	1614
85°	99	10	14	18	16	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11051.1	11051.1	11051.1	11051.1	11051.1
2.5°	10974.2	11046.0	10985.5	11039.8	11087.8
5°	10941.4	10992.8	10884.3	10894.4	10876.3
7.5°	10884.8	10897.2	10701.0	10625.3	10588.5
10°	10809.0	10775.7	10462.4	10282.0	10153.6
12.5°	10713.5	10603.2	10165.5	9521.4	9137.4
15°	10589.6	10386.6	9649.8	8287.5	7657.5
17.5°	10442.0	10160.4	8795.8	6907.0	6361.9
20°	10282.0	9910.5	7682.3	5872.8	5343.4
22.5°	10093.1	9590.9	6584.1	4884.2	4157.6
25°	9885.6	9176.4	5708.8	3662.8	2618.9
27.5°	9661.7	8629.6	4898.4	2246.2	1416.0
30°	9401.5	7964.0	3981.1	1260.5	910.5
32.5°	9147.6	7188.1	2843.9	839.7	581.9
35°	8860.9	6355.2	1729.3	508.4	299.7
37.5°	8557.2	5597.9	1082.4	276.5	206.9
40°	8235.4	4879.7	734.0	196.3	193.4
42.5°	7891.6	4229.9	459.7	186.6	192.8
45°	7534.2	3570.6	252.8	187.2	181.0
47.5°	7146.3	2854.7	176.5	177.0	176.5
50°	6739.7	2047.7	166.8	174.8	173.1
52.5°	6301.4	1271.3	167.4	170.8	153.3
55°	5836.0	741.9	156.6	151.6	117.6
57.5°	5346.8	462.6	153.3	125.0	105.7
60°	4834.5	244.3	145.9	112.6	90.5
62.5°	4288.8	120.5	117.0	96.1	74.1
65°	3705.7	81.5	93.9	78.0	62.2
67.5°	3142.5	73.5	70.7	63.9	54.3
70°	2571.3	67.3	54.8	56.0	46.4
72.5°	2011.0	61.1	44.1	48.1	39.0
75°	1487.3	49.2	36.8	37.9	33.4
77.5°	1034.9	38.5	28.9	32.2	31.1
80°	624.3	24.3	23.2	26.6	24.3
82.5°	302.5	15.8	18.1	20.9	19.2
85°	99.0	9.6	13.6	17.5	16.4
87.5°	12.4	5.7	11.3	15.3	14.1
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)