

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: P730228

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730228
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-LD5-12HE-N-CL-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12069.0 lumens
Efficiency: N/A
Efficacy: 166.0 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

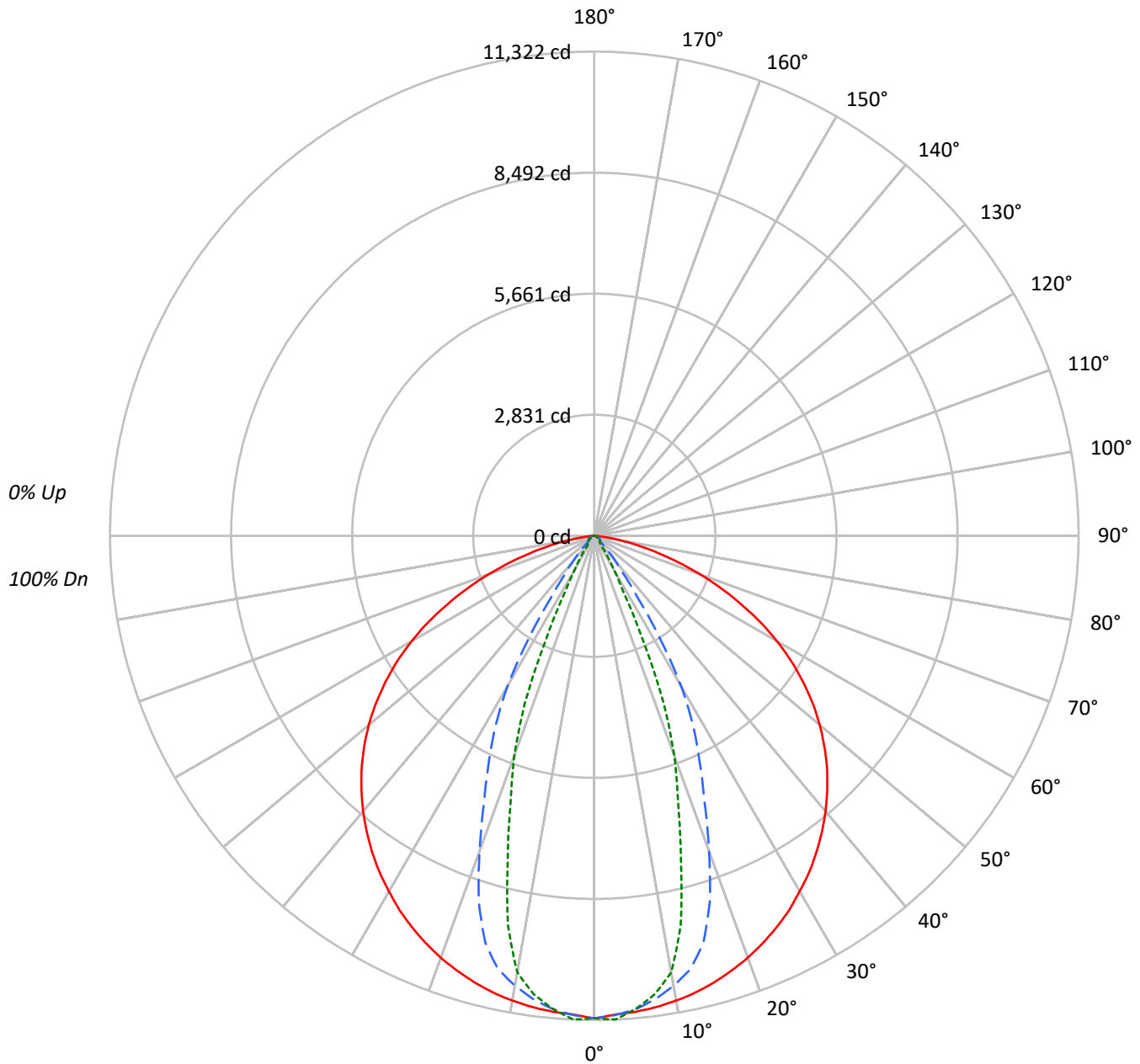
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18220	18220	18220
5°	18108	18014	18001
10°	18096	17516	16999
15°	18075	16471	13070
20°	18040	13479	9375
25°	17984	10385	4764
30°	17899	7579	1733
35°	17835	3481	603
40°	17725	1580	416
45°	17567	589	422
50°	17287	428	444
55°	16775	450	338
60°	15941	481	298
65°	14457	366	243
70°	12395	264	224
75°	9474	235	213
80°	5927	220	231
85°	1873	258	311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.6	8.7
10°-20°	2646.6	21.9
20°-30°	2882.2	23.9
30°-40°	2156.1	17.9
40°-50°	1550.3	12.8
50°-60°	952.1	7.9
60°-70°	547.9	4.5
70°-80°	244.5	2.0
80°-90°	38.8	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°	6579.4	54.5
0°-40°	8735.5	72.4
0°-60°	11237.8	93.1
0°-90°	12069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11285	11285	11285	11285	11285	
5°	11173	11225	11114	11125	11106	###
15°	10814	10606	9854	8463	7819	3053
25°	10095	9370	5830	3740	2674	4653
35°	9048	6490	1766	519	306	5660
45°	7694	3646	258	191	185	5927
55°	5959	758	160	155	120	5313
65°	3784	83	96	80	64	3746
75°	1519	50	38	39	34	1648
85°	101	10	14	18	17	201
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11284.8	11284.8	11284.8	11284.8	11284.8
2.5°	11206.3	11279.6	11217.8	11273.3	11322.4
5°	11172.8	11225.4	11114.5	11124.8	11106.4
7.5°	11115.0	11127.7	10927.4	10850.0	10812.5
10°	11037.7	11003.6	10683.7	10499.5	10368.4
12.5°	10940.1	10827.5	10380.5	9722.8	9330.7
15°	10813.6	10606.3	9853.9	8462.8	7819.4
17.5°	10662.9	10375.3	8981.9	7053.1	6496.5
20°	10499.5	10120.1	7844.8	5997.0	5456.5
22.5°	10306.6	9793.8	6723.4	4987.6	4245.5
25°	10094.7	9370.5	5829.5	3740.3	2674.3
27.5°	9866.0	8812.1	5002.0	2293.7	1446.0
30°	9600.4	8132.4	4065.4	1287.2	929.7
32.5°	9341.1	7340.2	2904.1	857.5	594.2
35°	9048.3	6489.6	1765.9	519.2	306.0
37.5°	8738.2	5716.3	1105.3	282.4	211.3
40°	8409.6	4982.9	749.5	200.4	197.5
42.5°	8058.5	4319.4	469.5	190.5	196.9
45°	7693.6	3646.1	258.1	191.2	184.8
47.5°	7297.4	2915.1	180.2	180.7	180.2
50°	6882.3	2091.0	170.4	178.5	176.7
52.5°	6434.7	1298.2	170.9	174.4	156.5
55°	5959.4	757.6	160.0	154.8	120.1
57.5°	5459.9	472.4	156.5	127.6	108.0
60°	4936.7	249.5	149.0	114.9	92.4
62.5°	4379.5	123.0	119.5	98.2	75.7
65°	3784.1	83.2	95.9	79.7	63.5
67.5°	3209.0	75.0	72.2	65.2	55.4
70°	2625.7	68.7	56.0	57.2	47.4
72.5°	2053.5	62.3	45.0	49.1	39.8
75°	1518.7	50.3	37.6	38.7	34.1
77.5°	1056.7	39.3	29.5	32.9	31.8
80°	637.5	24.8	23.7	27.1	24.8
82.5°	308.9	16.2	18.5	21.3	19.6
85°	101.1	9.8	13.9	17.9	16.8
87.5°	12.7	5.8	11.5	15.6	14.4
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)