

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: P730258

Luminaire Tested: **HBLED-LD5-12HE-W-AI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-AI-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11801.0 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

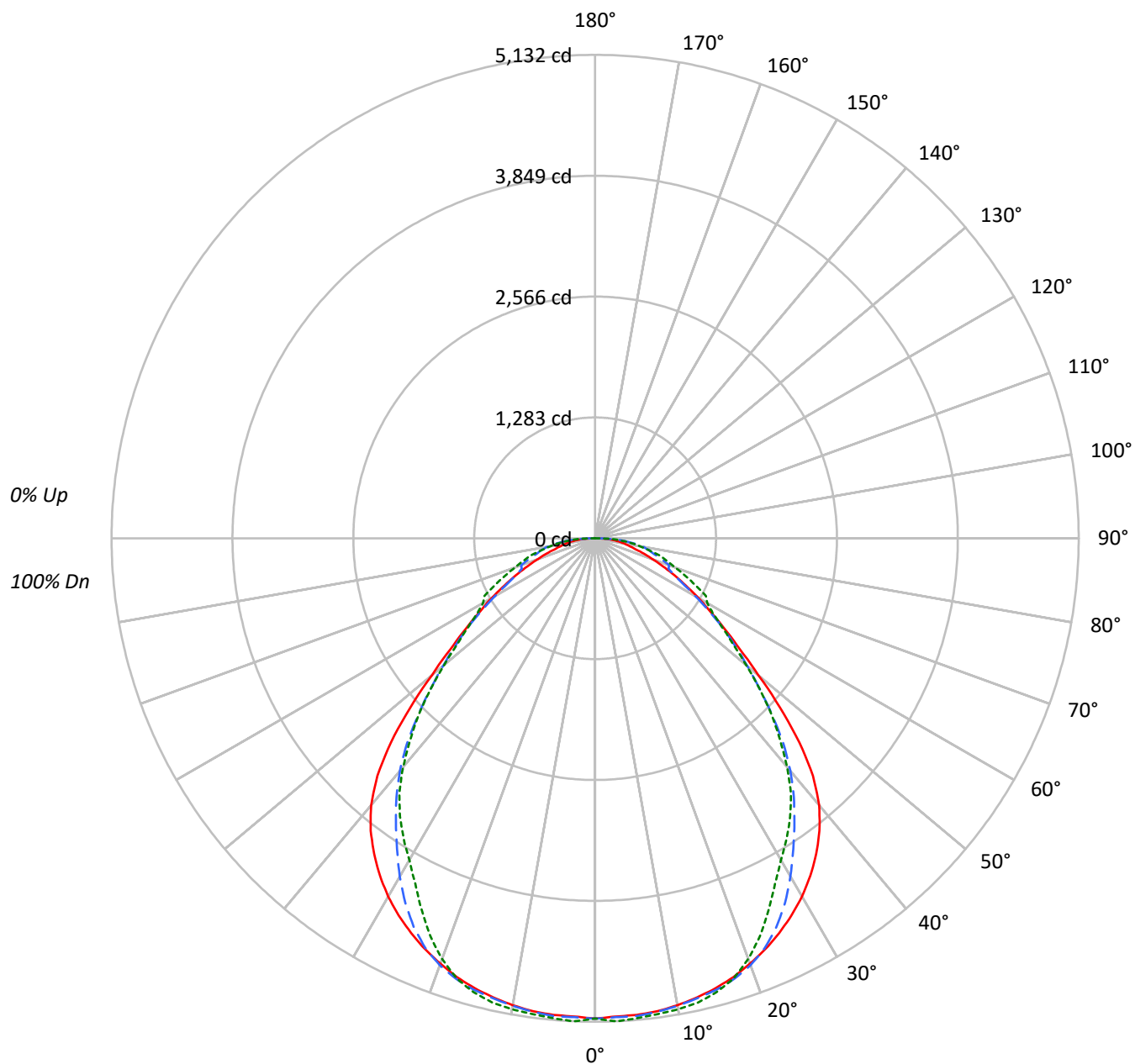
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8232	8232	8232
5°	8231	8249	8290
10°	8252	8262	8323
15°	8264	8295	8336
20°	8256	8287	8164
25°	8235	8112	7759
30°	8187	7729	7352
35°	8064	7265	7113
40°	7794	6792	6680
45°	7005	6065	6043
50°	5682	5283	5247
55°	4718	4630	4628
60°	4085	3965	4433
65°	3540	3518	4469
70°	3052	3947	4260
75°	2737	4045	4441
80°	2845	4762	4456
85°	3229	5487	5091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.4	4.1
10°-20°	1402.0	11.9
20°-30°	2082.2	17.6
30°-40°	2363.9	20.0
40°-50°	2113.2	17.9
50°-60°	1461.1	12.4
60°-70°	964.1	8.2
70°-80°	650.4	5.5
80°-90°	278.6	2.4
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°	3969.6	33.6
0°-40°	6333.5	53.7
0°-60°	9907.9	84.0
0°-90°	11801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5098	5098	5098	5098	5098	
5°	5079	5110	5090	5110	5115	483
15°	4944	4968	4963	4990	4987	1396
25°	4623	4666	4553	4418	4355	2130
35°	4091	4005	3686	3632	3609	2551
45°	3068	2808	2656	2676	2646	2333
55°	1676	1530	1645	1622	1644	1522
65°	927	823	921	1077	1170	925
75°	439	552	648	693	712	479
85°	174	242	296	298	275	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5098.4	5098.4	5098.4	5098.4	5098.4
2.5°	5081.1	5112.8	5089.2	5111.1	5132.4
5°	5078.7	5109.9	5089.7	5110.5	5114.6
7.5°	5064.3	5093.2	5069.5	5089.7	5094.3
10°	5033.1	5067.2	5039.5	5070.7	5076.5
12.5°	4992.8	5027.4	5003.1	5045.8	5048.2
15°	4944.2	4967.9	4962.7	4990.4	4987.0
17.5°	4883.0	4910.2	4906.1	4913.1	4896.9
20°	4805.1	4835.7	4823.0	4791.2	4751.4
22.5°	4721.4	4758.3	4708.1	4627.9	4571.9
25°	4622.7	4666.5	4553.4	4417.7	4355.4
27.5°	4513.5	4552.8	4364.6	4198.4	4133.7
30°	4391.2	4407.9	4145.8	3987.6	3943.7
32.5°	4249.7	4225.5	3912.0	3807.5	3782.1
35°	4091.0	4004.9	3685.7	3632.0	3608.9
37.5°	3912.0	3754.4	3462.3	3437.4	3413.1
40°	3697.8	3465.1	3222.7	3206.5	3169.5
42.5°	3421.3	3150.5	2956.5	2937.4	2904.5
45°	3067.9	2808.1	2656.3	2676.5	2646.5
47.5°	2661.5	2464.6	2368.2	2423.6	2368.2
50°	2262.0	2129.8	2103.2	2153.5	2088.8
52.5°	1934.6	1815.7	1870.6	1879.2	1840.5
55°	1676.0	1529.9	1644.8	1621.7	1644.2
57.5°	1450.8	1287.4	1428.9	1402.3	1479.7
60°	1264.9	1081.3	1228.0	1222.2	1372.9
62.5°	1082.5	935.9	1053.6	1138.5	1323.8
65°	926.6	822.7	920.8	1076.7	1169.7
67.5°	777.1	737.8	842.3	928.9	1030.6
70°	646.6	666.8	836.0	819.8	902.3
72.5°	536.9	605.6	737.8	740.7	799.0
75°	438.8	552.0	648.4	692.8	711.9
77.5°	364.9	500.5	585.4	601.0	582.5
80°	306.0	441.1	512.1	505.2	479.2
82.5°	247.1	334.3	403.6	409.9	379.3
85°	174.3	242.5	296.2	297.9	274.8
87.5°	93.5	149.5	179.6	184.7	170.9
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)