

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: P730416

Luminaire Tested: **HBLED-LD5-15HE-W-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CL-WG-UNV-L840
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14139.0 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

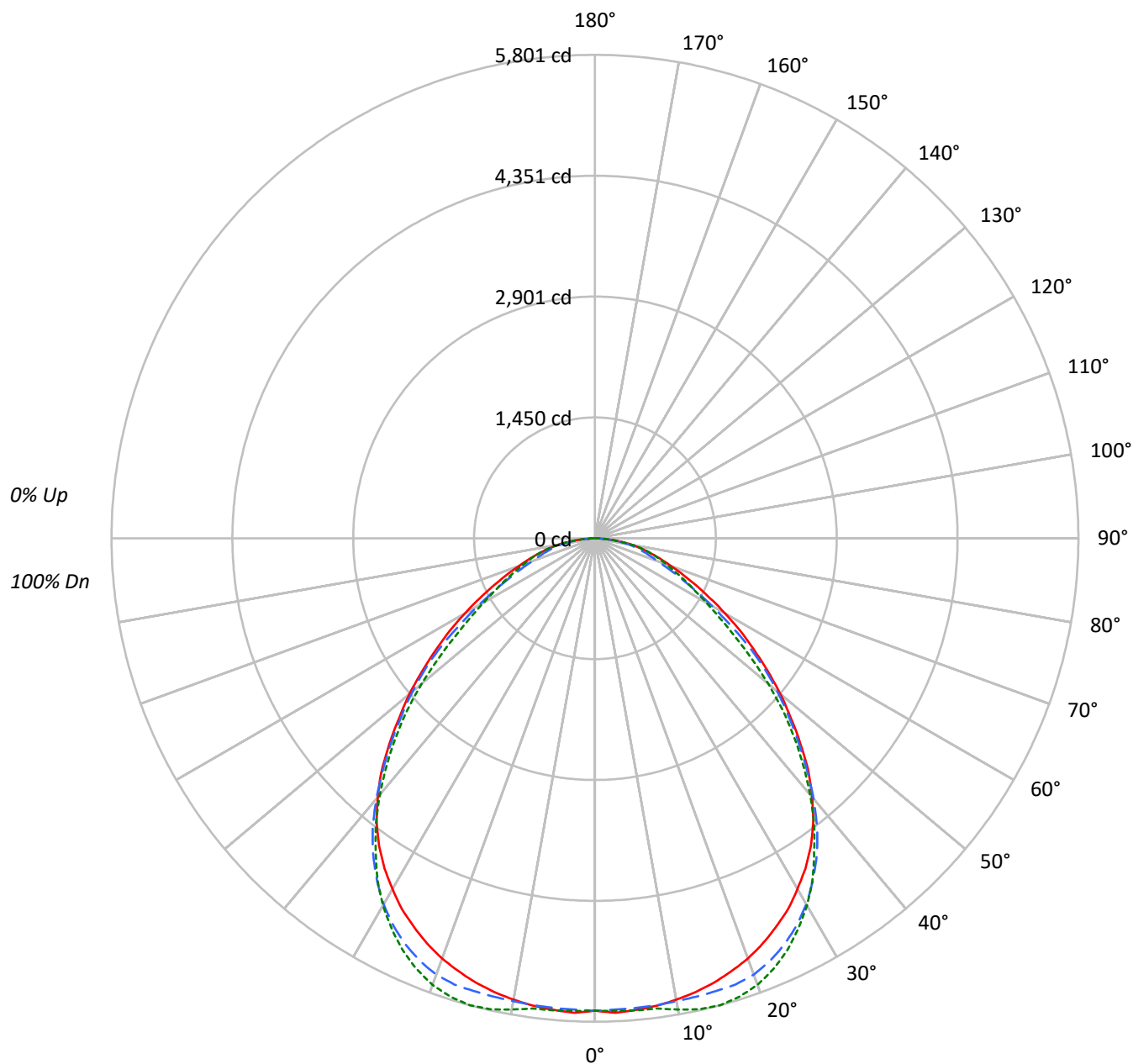
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9154	9154	9154
5°	9208	9170	9215
10°	9216	9247	9412
15°	9227	9401	9696
20°	9221	9573	9796
25°	9165	9581	9722
30°	9059	9455	9485
35°	8898	9148	9039
40°	8546	8599	8463
45°	7963	7880	7720
50°	7291	7174	6806
55°	6549	6306	5755
60°	5808	5218	4967
65°	5117	4335	4508
70°	4577	3762	4294
75°	4288	3658	4342
80°	4174	3698	4133
85°	3331	2925	3034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.1	3.8
10°-20°	1590.8	11.3
20°-30°	2447.2	17.3
30°-40°	2856.1	20.2
40°-50°	2654.0	18.8
50°-60°	1967.3	13.9
60°-70°	1202.6	8.5
70°-80°	685.0	4.8
80°-90°	195.9	1.4
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°	4578.1	32.4
0°-40°	7434.1	52.6
0°-60°	12055.5	85.3
0°-90°	14139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5669	5669	5669	5669	5669	
5°	5681	5655	5658	5653	5685	540
15°	5520	5517	5624	5735	5801	1558
25°	5144	5184	5378	5424	5457	2370
35°	4514	4549	4641	4603	4586	2813
45°	3488	3508	3451	3397	3381	2687
55°	2326	2268	2240	2081	2044	2088
65°	1340	1217	1135	1165	1180	1341
75°	687	645	586	668	696	736
85°	180	176	158	164	164	207
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5669.4	5669.4	5669.4	5669.4	5669.4
2.5°	5700.0	5667.9	5662.0	5648.9	5678.1
5°	5681.0	5654.7	5657.6	5653.3	5685.4
7.5°	5659.1	5640.1	5651.8	5650.3	5692.7
10°	5621.1	5610.8	5640.1	5672.3	5741.0
12.5°	5578.7	5568.5	5632.8	5714.6	5789.3
15°	5520.2	5517.2	5624.0	5735.1	5800.9
17.5°	5447.1	5451.5	5613.7	5708.8	5767.3
20°	5366.6	5373.9	5571.4	5648.9	5701.5
22.5°	5262.8	5287.7	5489.4	5553.8	5594.7
25°	5144.4	5183.8	5378.3	5423.7	5457.3
27.5°	5017.2	5056.6	5240.9	5264.2	5283.3
30°	4859.2	4914.8	5071.2	5074.2	5087.3
32.5°	4698.4	4748.1	4868.0	4854.8	4857.7
35°	4514.1	4549.2	4641.3	4603.3	4585.8
37.5°	4302.1	4321.1	4379.6	4322.6	4319.6
40°	4054.9	4079.8	4079.8	4000.9	4015.5
42.5°	3791.8	3800.5	3764.0	3689.4	3701.1
45°	3487.6	3508.0	3451.0	3396.9	3380.8
47.5°	3186.3	3206.8	3146.9	3084.0	3056.2
50°	2902.7	2892.4	2855.9	2749.1	2709.6
52.5°	2608.7	2576.6	2562.0	2405.5	2360.2
55°	2326.5	2268.0	2240.3	2080.8	2044.3
57.5°	2064.7	1959.5	1906.9	1782.6	1767.9
60°	1798.7	1680.2	1615.8	1535.4	1538.3
62.5°	1557.4	1433.0	1355.6	1332.2	1342.4
65°	1339.5	1216.6	1134.8	1165.4	1180.0
67.5°	1142.1	1041.2	949.0	1020.7	1035.3
70°	969.5	889.1	797.0	902.3	909.6
72.5°	826.2	760.4	682.9	782.3	798.4
75°	687.3	644.9	586.4	668.3	696.1
77.5°	565.9	532.3	498.6	548.4	579.1
80°	448.9	415.3	397.7	424.0	444.5
82.5°	317.3	295.4	277.8	296.8	307.1
85°	179.8	175.5	157.9	163.8	163.8
87.5°	41.0	46.8	52.6	48.3	41.0
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)