

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: P730436

Luminaire Tested: **HBLED-LD5-15HE-W-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730436
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-LD5-15HE-W-WG-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15350.0 lumens
Efficiency: N/A
Efficacy: 168.3 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

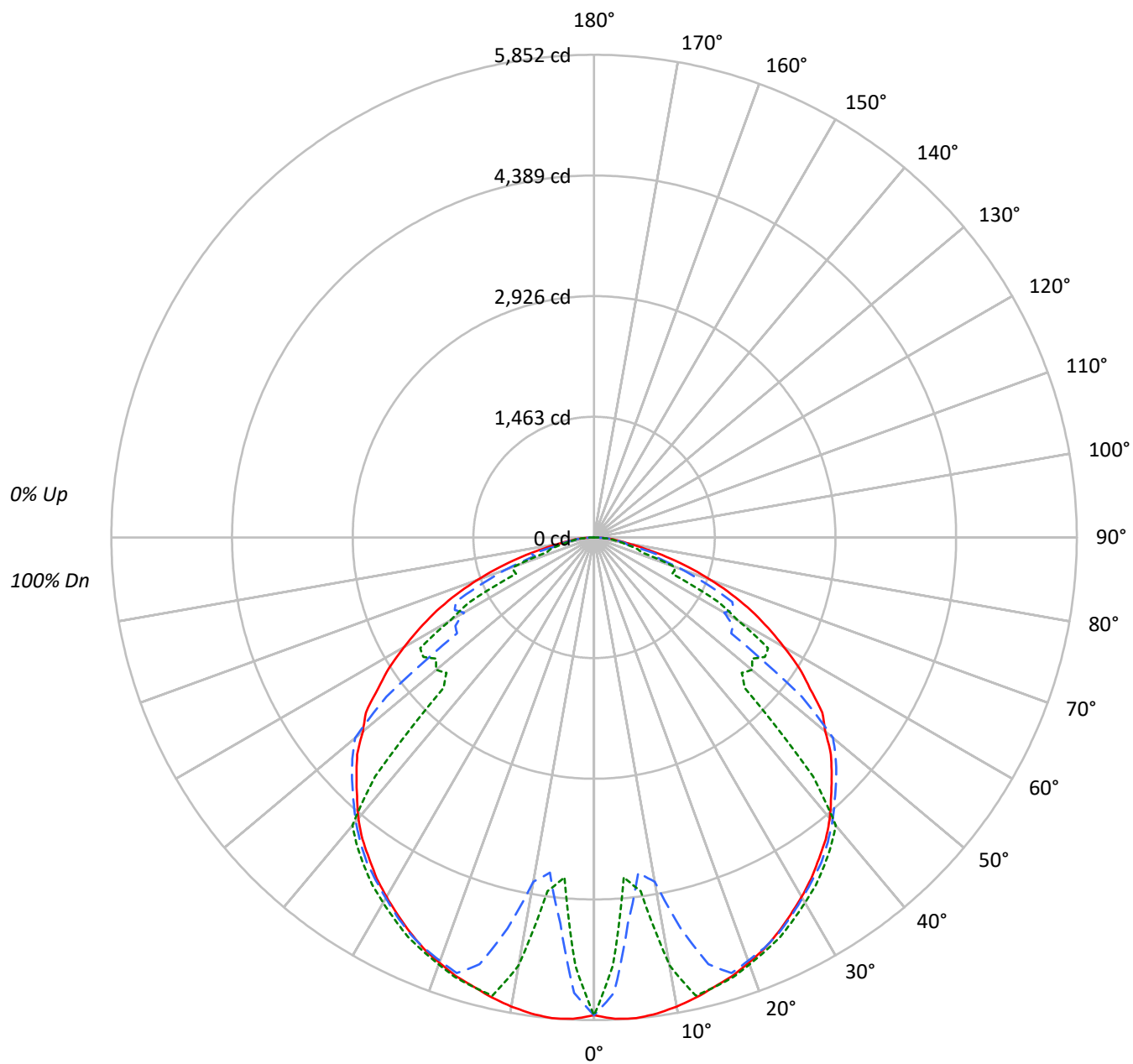
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9355	9355	9355
5°	9485	7620	6701
10°	9469	6949	8643
15°	9427	8957	9435
20°	9427	9384	9467
25°	9410	9431	9517
30°	9383	9414	9535
35°	9368	9472	9582
40°	9369	9471	9607
45°	9296	9478	5890
50°	9190	9497	6277
55°	8997	5710	7114
60°	8582	5886	6515
65°	8041	7067	3986
70°	7100	5354	4886
75°	5658	4867	3389
80°	3898	3517	2912
85°	3735	3247	3081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.3	3.0
10°-20°	1451.5	9.5
20°-30°	2388.1	15.6
30°-40°	3002.7	19.6
40°-50°	2944.9	19.2
50°-60°	2440.0	15.9
60°-70°	1721.0	11.2
70°-80°	750.9	4.9
80°-90°	187.6	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°	4303.0	28.0
0°-40°	7305.7	47.6
0°-60°	12690.6	82.7
0°-90°	15350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5794	5794	5794	5794	5794	
5°	5852	5447	4702	4263	4135	556
15°	5640	3917	5358	5662	5644	1595
25°	5282	4833	5294	5329	5342	2435
35°	4753	4750	4805	4837	4862	2978
45°	4071	4084	4151	3676	2579	3142
55°	3196	3301	2029	2306	2527	2860
65°	2105	2229	1850	1423	1043	2070
75°	907	889	780	510	543	973
85°	202	179	175	168	166	209
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5794.1	5794.1	5794.1	5794.1	5794.1
2.5°	5841.9	5720.7	5528.1	5285.6	5199.7
5°	5852.3	5447.0	4701.5	4263.0	4134.8
7.5°	5822.6	4950.2	4098.8	4190.9	4326.7
10°	5775.4	4513.8	4238.7	4987.0	5271.7
12.5°	5715.1	4125.8	4856.0	5633.4	5690.2
15°	5639.6	3916.6	5358.4	5661.8	5644.5
17.5°	5575.9	4039.2	5538.5	5605.0	5592.5
20°	5486.5	4283.8	5461.6	5514.9	5510.0
22.5°	5396.4	4573.3	5388.8	5426.9	5426.9
25°	5282.1	4833.2	5293.9	5329.3	5342.4
27.5°	5156.7	4982.8	5175.4	5204.5	5228.1
30°	5032.7	5004.3	5049.4	5086.8	5114.4
32.5°	4901.8	4890.7	4926.0	4965.5	5000.8
35°	4752.8	4750.0	4805.4	4837.3	4861.6
37.5°	4612.8	4603.2	4654.4	4698.8	4717.5
40°	4445.2	4445.2	4493.7	4538.7	4558.1
42.5°	4253.9	4281.0	4318.4	4364.8	3931.1
45°	4071.1	4083.5	4150.7	3676.2	2579.4
47.5°	3895.1	3911.0	3974.8	2363.2	2427.7
50°	3658.8	3730.9	3780.8	2356.3	2499.1
52.5°	3486.3	3517.5	3173.8	2332.8	2413.1
55°	3196.0	3300.6	2028.6	2306.4	2527.4
57.5°	2948.0	3024.2	1994.7	2363.2	2500.4
60°	2657.7	2774.1	1822.8	2280.1	2017.5
62.5°	2379.2	2490.0	1903.2	1794.4	1708.5
65°	2104.8	2228.8	1849.9	1423.1	1043.4
67.5°	1804.1	1688.5	1475.7	1002.5	1055.2
70°	1504.1	1179.2	1134.2	1121.0	1035.1
72.5°	1195.8	860.5	753.1	841.1	602.1
75°	906.9	888.9	780.2	509.9	543.2
77.5°	629.1	641.6	417.8	497.4	412.9
80°	419.2	363.1	378.3	317.3	313.2
82.5°	290.3	296.5	248.7	241.1	244.6
85°	201.6	179.4	175.3	167.7	166.3
87.5°	67.2	78.3	72.8	65.8	70.0
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)