

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: P730422

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLI-UNV-L840
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14808.0 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

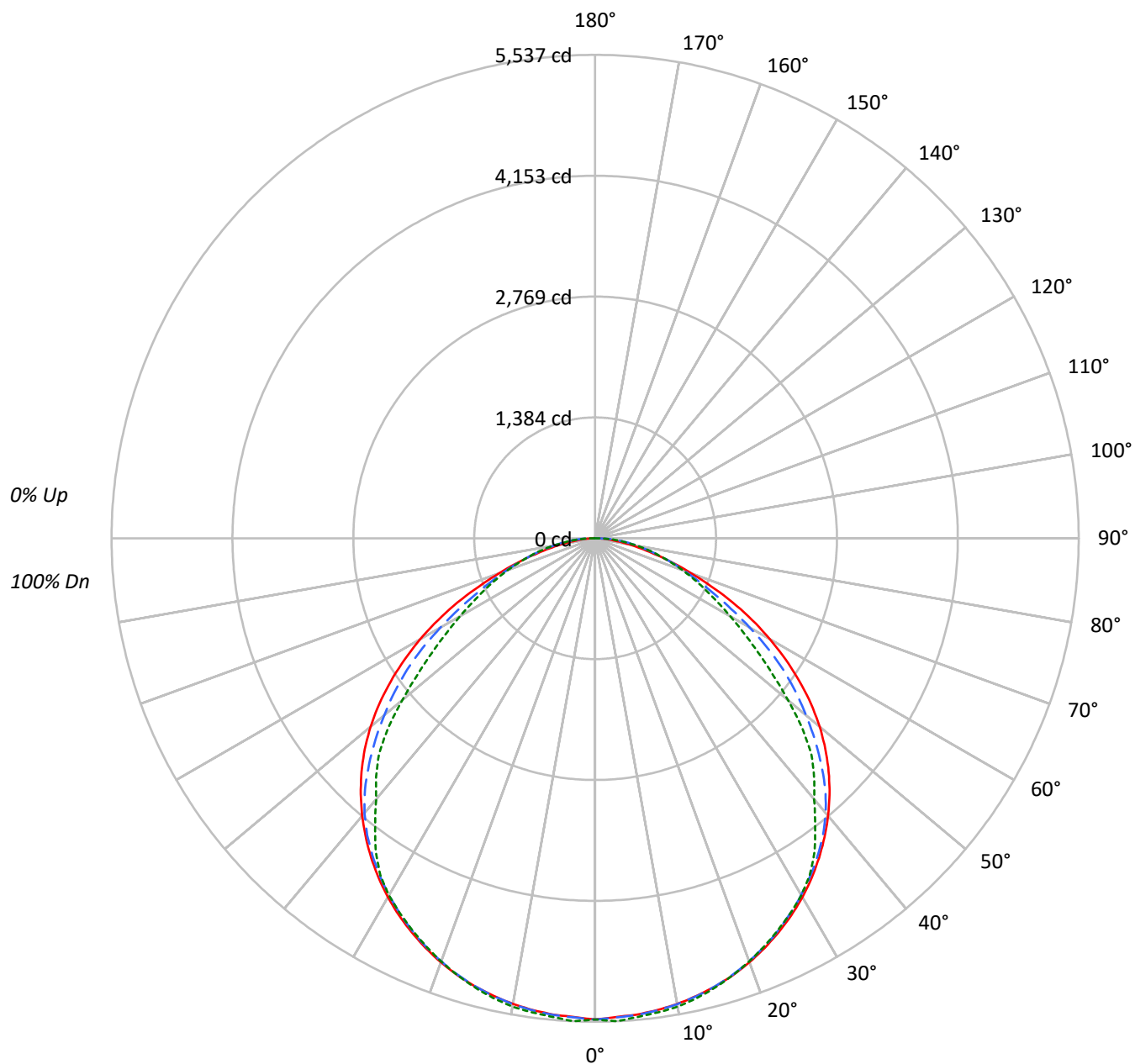
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	102	99	95		98	95	92		94	92	90		91	89	87
2	100	92	85	80		97	90	84	79		86	81	77		83	79	75		80	77	74
3	91	81	73	67		89	79	72	66		77	70	65		74	68	64		71	67	63
4	84	72	64	57		81	71	63	57		68	61	56		66	60	55		64	59	54
5	77	65	56	49		75	63	55	49		61	54	48		59	53	48		58	52	47
6	71	58	49	43		69	57	49	43		55	48	43		54	47	42		52	46	42
7	66	53	44	38		64	52	44	38		50	43	38		49	42	37		48	42	37
8	62	48	40	34		60	48	40	34		46	39	34		45	38	34		44	38	33
9	58	44	36	31		56	44	36	31		43	35	30		41	35	30		40	35	30
10	54	41	33	28		53	40	33	28		39	32	28		38	32	28		38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8899	8899	8899
5°	8875	8882	8921
10°	8880	8884	8931
15°	8881	8880	8901
20°	8879	8859	8861
25°	8865	8832	8822
30°	8851	8798	8803
35°	8810	8755	8631
40°	8747	8658	8221
45°	8636	8359	7994
50°	8428	7914	7240
55°	8044	7402	6401
60°	7466	6604	5773
65°	6636	5718	5308
70°	5507	5110	5004
75°	4454	4677	4735
80°	3538	4473	4455
85°	2770	4805	4583



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.7	3.5
10°-20°	1503.5	10.2
20°-30°	2292.5	15.5
30°-40°	2773.6	18.7
40°-50°	2809.4	19.0
50°-60°	2322.1	15.7
60°-70°	1533.7	10.4
70°-80°	799.7	5.4
80°-90°	250.7	1.7
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°	4318.7	29.2
0°-40°	7092.4	47.9
0°-60°	12223.9	82.5
0°-90°	14808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5512	5512	5512	5512	5512	
5°	5476	5509	5480	5504	5504	521
15°	5313	5340	5312	5329	5325	1500
25°	4976	4996	4958	4970	4952	2295
35°	4470	4476	4442	4436	4379	2796
45°	3782	3772	3661	3547	3501	2912
55°	2858	2815	2630	2374	2274	2547
65°	1737	1686	1497	1399	1390	1715
75°	714	726	750	760	759	778
85°	150	192	259	257	247	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5511.6	5511.6	5511.6	5511.6	5511.6
2.5°	5488.5	5520.9	5493.7	5517.6	5536.8
5°	5475.9	5509.0	5479.9	5503.7	5504.4
7.5°	5451.4	5484.5	5454.7	5478.5	5477.9
10°	5416.3	5447.5	5419.0	5447.5	5447.5
12.5°	5368.7	5399.1	5371.4	5397.8	5393.8
15°	5313.2	5340.2	5312.5	5329.0	5325.0
17.5°	5247.6	5272.1	5241.0	5254.9	5247.0
20°	5167.6	5190.1	5155.7	5173.5	5156.9
22.5°	5077.5	5098.7	5063.7	5076.9	5058.4
25°	4976.4	4996.2	4957.8	4970.4	4951.9
27.5°	4867.2	4885.0	4842.0	4857.3	4842.7
30°	4747.4	4756.0	4719.0	4738.8	4721.6
32.5°	4613.7	4619.1	4586.6	4604.5	4575.4
35°	4469.5	4475.5	4441.7	4435.8	4378.9
37.5°	4315.3	4318.0	4286.3	4232.6	4138.7
40°	4150.0	4148.6	4107.6	3983.9	3900.5
42.5°	3973.2	3972.6	3900.5	3759.5	3711.9
45°	3782.0	3772.1	3660.9	3547.1	3500.8
47.5°	3577.0	3566.3	3410.9	3320.2	3215.0
50°	3355.3	3336.8	3150.8	3027.1	2882.2
52.5°	3116.4	3087.9	2898.7	2698.9	2561.9
55°	2857.7	2815.3	2629.5	2374.1	2274.1
57.5°	2588.4	2525.6	2344.9	2096.2	2014.8
60°	2311.9	2241.7	2045.2	1840.8	1787.8
62.5°	2027.3	1957.9	1757.4	1603.2	1574.1
65°	1736.9	1686.5	1496.7	1399.4	1389.5
67.5°	1439.1	1421.2	1276.3	1226.7	1222.7
70°	1166.5	1163.2	1082.5	1057.3	1060.0
72.5°	932.3	928.3	916.4	903.8	904.5
75°	713.9	726.5	749.7	759.6	759.0
77.5°	532.6	558.5	607.4	627.2	623.9
80°	380.5	418.8	481.1	499.6	479.1
82.5°	253.4	293.8	367.2	369.9	353.3
85°	149.5	192.5	259.4	257.4	247.4
87.5°	74.1	115.8	155.5	148.8	142.3
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)