

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: P730414

Luminaire Tested: **HBLED-LD5-15HE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730414
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-L750
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: 15168.0 lumens
Efficiency: N/A
Efficacy: 166.3 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

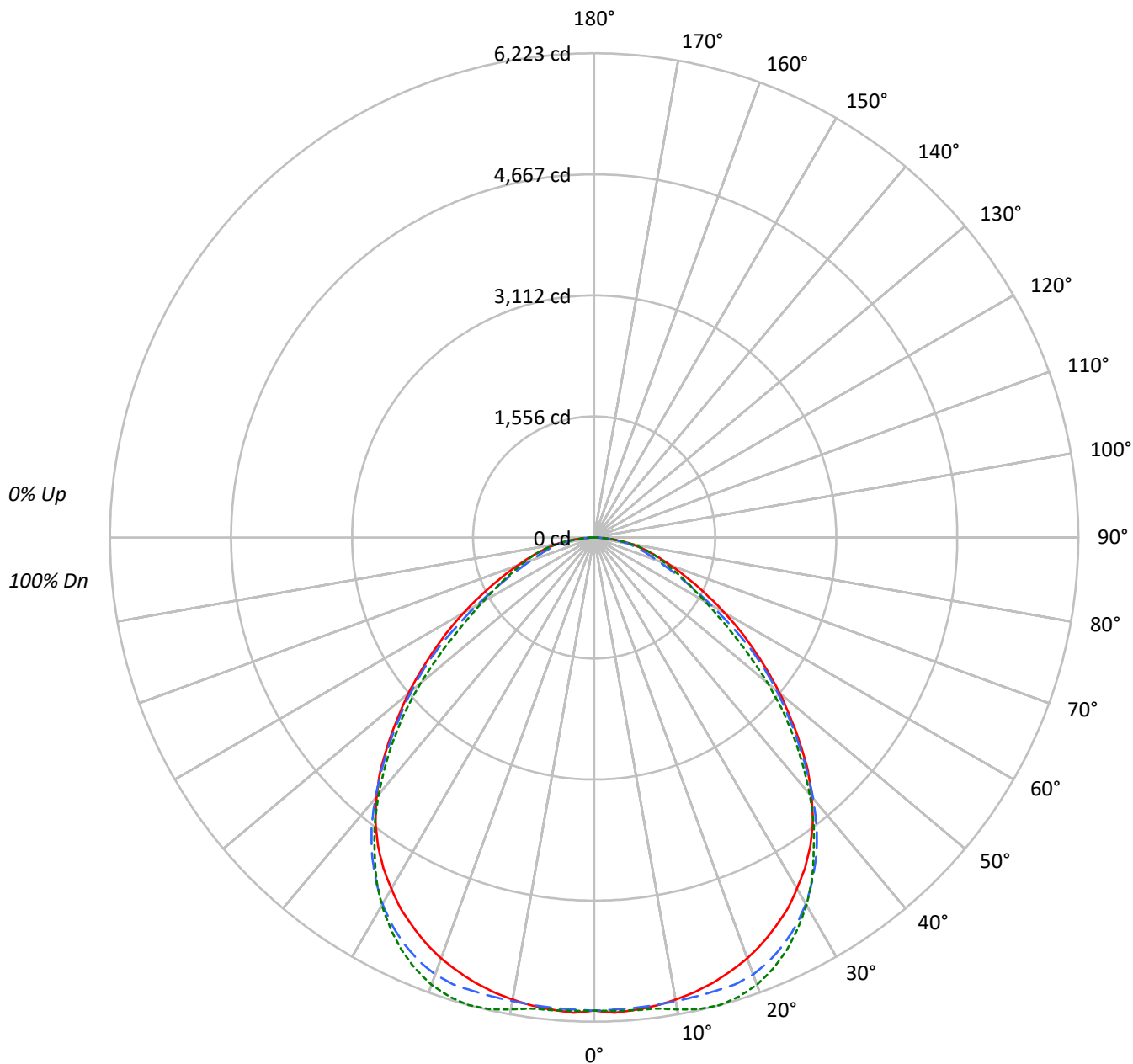
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9820	9820	9820
5°	9878	9837	9885
10°	9886	9920	10097
15°	9899	10085	10402
20°	9892	10269	10509
25°	9832	10279	10430
30°	9719	10143	10175
35°	9545	9814	9697
40°	9168	9225	9079
45°	8543	8453	8282
50°	7822	7696	7301
55°	7026	6765	6173
60°	6231	5597	5329
65°	5490	4651	4836
70°	4910	4036	4606
75°	4599	3924	4658
80°	4478	3967	4434
85°	3574	3138	3255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.4	3.8
10°-20°	1706.6	11.3
20°-30°	2625.3	17.3
30°-40°	3063.9	20.2
40°-50°	2847.2	18.8
50°-60°	2110.4	13.9
60°-70°	1290.2	8.5
70°-80°	734.8	4.8
80°-90°	210.2	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°	4911.3	32.4
0°-40°	7975.2	52.6
0°-60°	12932.8	85.3
0°-90°	15168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6082	6082	6082	6082	6082	
5°	6094	6066	6069	6065	6099	580
15°	5922	5919	6033	6152	6223	1672
25°	5519	5561	5770	5818	5854	2542
35°	4843	4880	4979	4938	4920	3017
45°	3741	3763	3702	3644	3627	2883
55°	2496	2433	2403	2232	2193	2240
65°	1437	1305	1217	1250	1266	1438
75°	737	692	629	717	747	789
85°	193	188	169	176	176	222
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6082.0	6082.0	6082.0	6082.0	6082.0
2.5°	6114.9	6080.4	6074.1	6060.0	6091.3
5°	6094.5	6066.2	6069.3	6064.7	6099.2
7.5°	6070.9	6050.6	6063.1	6061.5	6107.0
10°	6030.2	6019.2	6050.6	6085.1	6158.8
12.5°	5984.7	5973.7	6042.7	6130.5	6210.6
15°	5921.9	5918.8	6033.3	6152.5	6223.1
17.5°	5843.5	5848.2	6022.3	6124.3	6187.0
20°	5757.2	5765.0	5976.8	6060.0	6116.5
22.5°	5645.8	5672.5	5889.0	5958.0	6001.9
25°	5518.7	5561.1	5769.8	5818.4	5854.4
27.5°	5382.3	5424.6	5622.3	5647.4	5667.8
30°	5212.8	5272.4	5440.3	5443.5	5457.6
32.5°	5040.3	5093.6	5222.3	5208.1	5211.3
35°	4842.6	4880.3	4979.1	4938.3	4919.5
37.5°	4615.2	4635.6	4698.3	4637.2	4634.0
40°	4350.0	4376.7	4376.7	4292.0	4307.7
42.5°	4067.7	4077.1	4037.9	3957.9	3970.4
45°	3741.4	3763.3	3702.1	3644.1	3626.9
47.5°	3418.2	3440.2	3375.9	3308.4	3278.6
50°	3113.9	3102.9	3063.7	2949.2	2906.8
52.5°	2798.6	2764.1	2748.4	2580.6	2531.9
55°	2495.8	2433.1	2403.3	2232.3	2193.0
57.5°	2215.0	2102.1	2045.6	1912.3	1896.6
60°	1929.6	1802.5	1733.4	1647.2	1650.3
62.5°	1670.7	1537.3	1454.2	1429.1	1440.1
65°	1437.0	1305.2	1217.3	1250.3	1265.9
67.5°	1225.2	1116.9	1018.1	1095.0	1110.6
70°	1040.1	953.8	855.0	967.9	975.8
72.5°	886.3	815.7	732.6	839.2	856.5
75°	737.3	691.8	629.0	716.9	746.7
77.5°	607.1	571.0	534.9	588.3	621.2
80°	481.6	445.5	426.7	454.9	476.9
82.5°	340.4	316.9	298.1	318.4	329.5
85°	192.9	188.2	169.4	175.7	175.7
87.5°	43.9	50.2	56.5	51.8	43.9
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)