

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: P#

Luminaire Tested: **HBLED-LD5-15HE-W-CLWG-UNV-L750-ED1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLWG-UNV-L750-ED1-U
Description: METALUX HIGH BAY LINEAR LED
WIDE DISTRIBUTION WITH CLEAR LENS, WIREGUARD & DOORFRAME
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

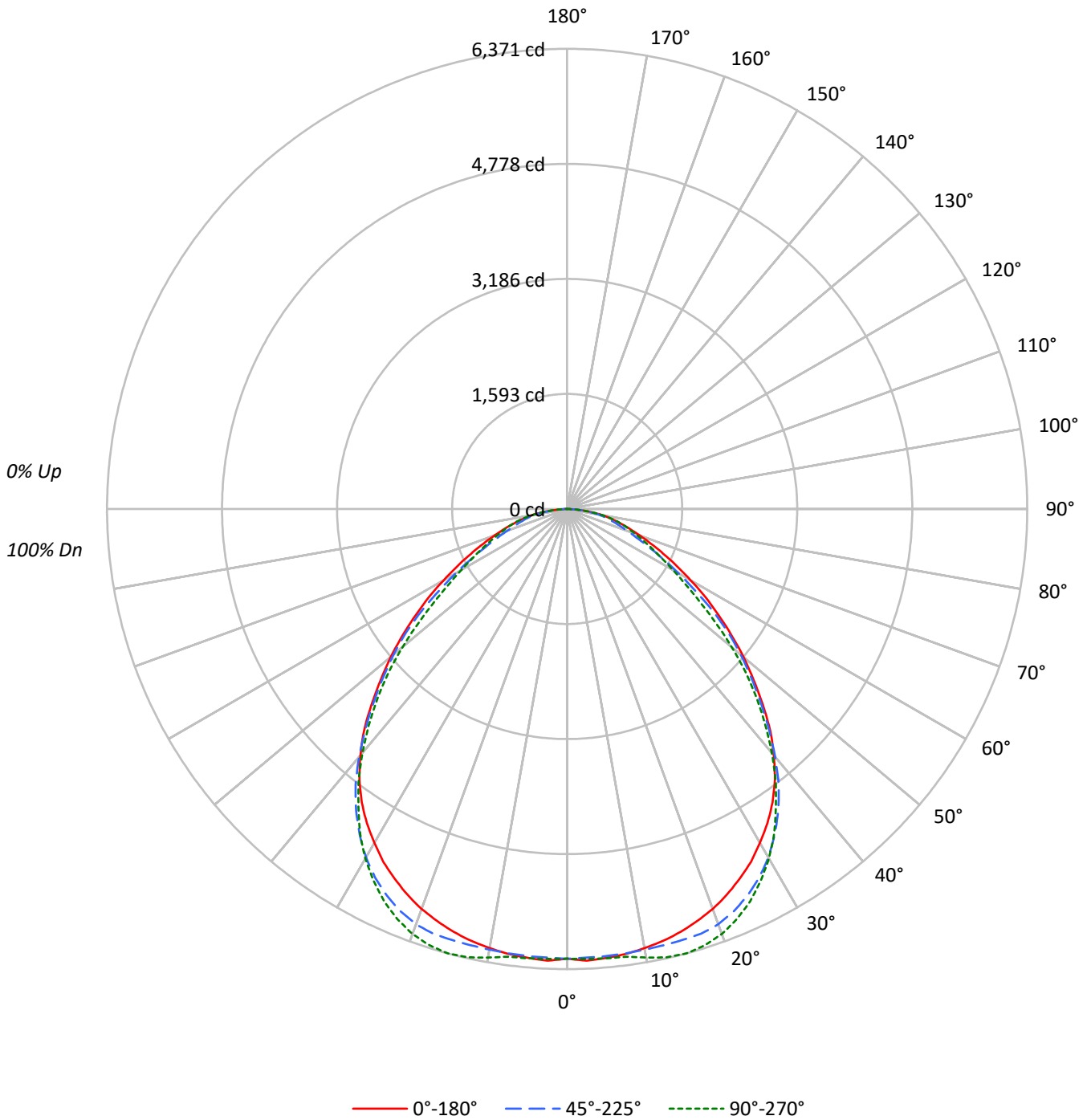
Lumens per Lamp: N/A
Luminaire Lumens: 15528.0 lumens
Efficiency: N/A
Efficacy: 169.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 91.8
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	8377	8377	8377
5°	8427	8392	8433
10°	8434	8463	8614
15°	8445	8604	8874
20°	8439	8761	8966
25°	8387	8769	8898
30°	8291	8653	8680
35°	8143	8373	8272
40°	7822	7870	7746
45°	7288	7212	7065
50°	6673	6565	6229
55°	5994	5771	5267
60°	5315	4775	4546
65°	4684	3968	4126
70°	4188	3443	3930
75°	3924	3348	3974
80°	3820	3384	3783
85°	3049	2677	2777



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.1	3.8
10°-20°	1747.1	11.3
20°-30°	2687.6	17.3
30°-40°	3136.6	20.2
40°-50°	2914.8	18.8
50°-60°	2160.5	13.9
60°-70°	1320.8	8.5
70°-80°	752.3	4.8
80°-90°	215.2	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°	5027.8	32.4
0°-40°	8164.5	52.6
0°-60°	13239.8	85.3
0°-90°	15528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6226	6226	6226	6226	6226	
5°	6239	6210	6213	6209	6244	594
15°	6062	6059	6176	6298	6371	1711
25°	5650	5693	5907	5956	5993	2602
35°	4958	4996	5097	5056	5036	3089
45°	3830	3853	3790	3731	3713	2951
55°	2555	2491	2460	2285	2245	2293
65°	1471	1336	1246	1280	1296	1472
75°	755	708	644	734	764	808
85°	198	193	173	180	180	228
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6226.3	6226.3	6226.3	6226.3	6226.3
2.5°	6260.0	6224.7	6218.3	6203.8	6235.9
5°	6239.1	6210.2	6213.4	6208.6	6243.9
7.5°	6215.0	6194.2	6207.0	6205.4	6252.0
10°	6173.3	6162.0	6194.2	6229.5	6305.0
12.5°	6126.7	6115.5	6186.1	6276.1	6358.0
15°	6062.5	6059.3	6176.5	6298.5	6370.8
17.5°	5982.2	5987.0	6165.3	6269.6	6333.9
20°	5893.8	5901.9	6118.7	6203.8	6261.6
22.5°	5779.8	5807.1	6028.7	6099.4	6144.4
25°	5649.7	5693.1	5906.7	5956.5	5993.4
27.5°	5510.0	5553.4	5755.7	5781.4	5802.3
30°	5336.6	5397.6	5569.4	5572.7	5587.1
32.5°	5159.9	5214.5	5346.2	5331.8	5335.0
35°	4957.6	4996.1	5097.3	5055.5	5036.3
37.5°	4724.7	4745.6	4809.8	4747.2	4744.0
40°	4453.3	4480.6	4480.6	4393.9	4409.9
42.5°	4164.2	4173.9	4133.7	4051.8	4064.7
45°	3830.2	3852.7	3790.0	3730.6	3713.0
47.5°	3499.4	3521.9	3456.0	3387.0	3356.4
50°	3187.8	3176.6	3136.4	3019.2	2975.8
52.5°	2865.0	2829.7	2813.6	2641.8	2592.0
55°	2555.1	2490.8	2460.3	2285.3	2245.1
57.5°	2267.6	2152.0	2094.2	1957.7	1941.6
60°	1975.3	1845.2	1774.6	1686.3	1689.5
62.5°	1710.3	1573.8	1488.7	1463.0	1474.3
65°	1471.1	1336.2	1246.2	1279.9	1296.0
67.5°	1254.2	1143.4	1042.3	1121.0	1137.0
70°	1064.7	976.4	875.2	990.9	998.9
72.5°	907.4	835.1	750.0	859.2	876.9
75°	754.8	708.2	644.0	733.9	764.4
77.5°	621.5	584.6	547.6	602.2	636.0
80°	493.0	456.1	436.8	465.7	488.2
82.5°	348.5	324.4	305.1	326.0	337.3
85°	197.5	192.7	173.4	179.9	179.9
87.5°	45.0	51.4	57.8	53.0	45.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)