

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: P730448

Luminaire Tested: **HBLED-LD5-15SE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CL-WG-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14212.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

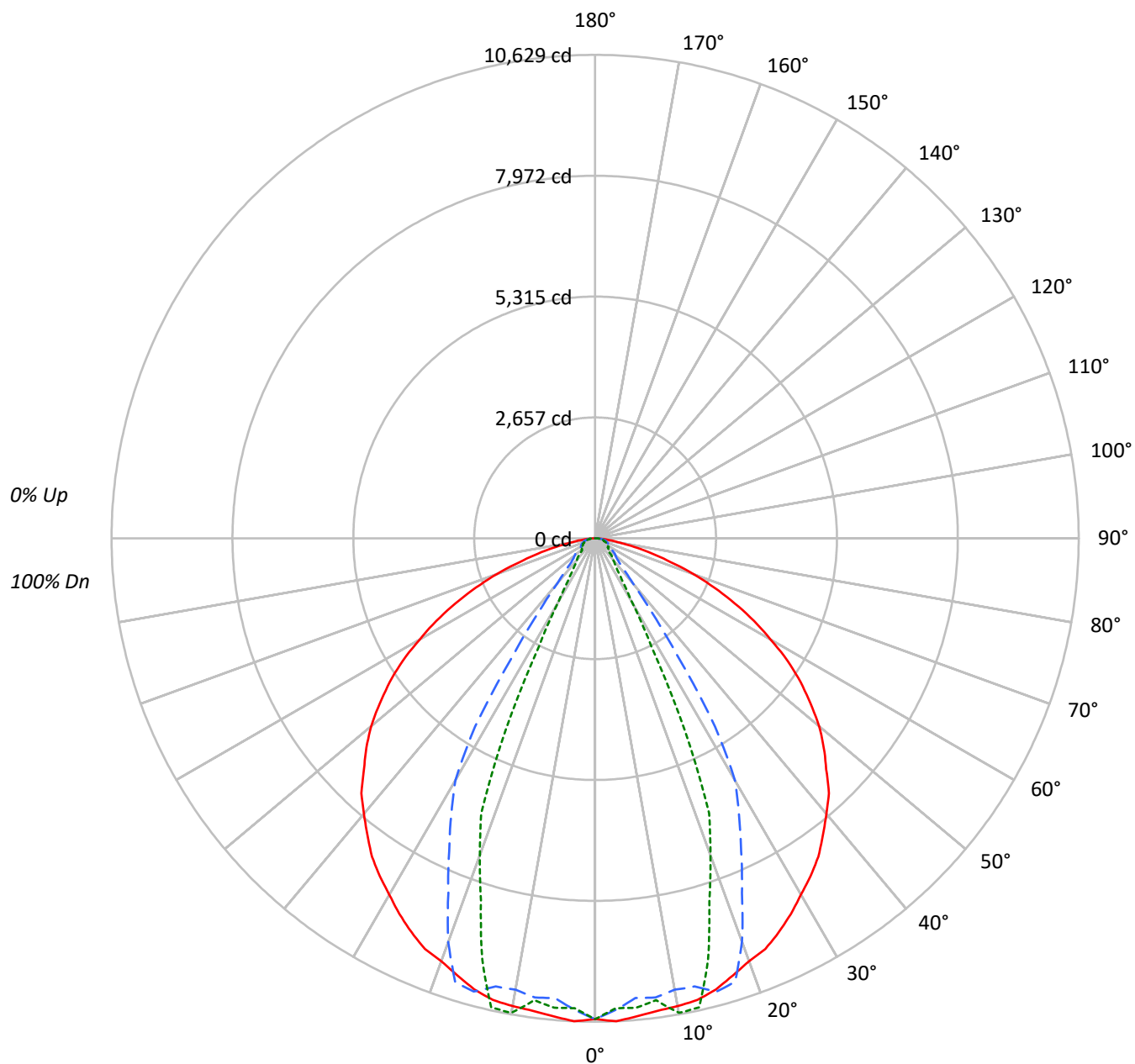
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17069	17069	17069
5°	17097	16446	16792
10°	17122	16525	17373
15°	17160	17249	16032
20°	16998	16224	12725
25°	17022	13525	8312
30°	16869	11458	2986
35°	16852	6207	1680
40°	16661	2706	1315
45°	16403	1672	1031
50°	16148	1457	974
55°	15513	1263	953
60°	14393	1132	1024
65°	12938	1279	1119
70°	10850	1376	1153
75°	8111	1569	1249
80°	5094	1821	1424
85°	3392	2282	2086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.8	6.9
10°-20°	2766.9	19.5
20°-30°	3388.1	23.8
30°-40°	2660.7	18.7
40°-50°	1973.1	13.9
50°-60°	1201.2	8.5
60°-70°	719.5	5.1
70°-80°	394.8	2.8
80°-90°	128.0	0.9
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°	7134.8	50.2
0°-40°	9795.5	68.9
0°-60°	12969.7	91.3
0°-90°	14212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10572	10572	10572	10572	10572	
5°	10549	10262	10147	10259	10361	###
15°	10266	9984	10319	9903	9591	2890
25°	9555	9585	7592	5955	4666	4398
35°	8550	7777	3149	1054	852	5335
45°	7184	5158	732	555	452	5555
55°	5511	1421	449	380	338	4904
65°	3386	419	335	315	293	3346
75°	1300	264	252	219	200	1408
85°	183	144	123	113	113	223
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10571.6	10571.6	10571.6	10571.6	10571.6
2.5°	10629.3	10486.1	10376.4	10315.1	10340.0
5°	10548.8	10261.6	10146.9	10258.8	10360.7
7.5°	10478.9	10052.2	10181.9	10191.9	10245.3
10°	10443.4	10032.2	10079.2	10300.8	10596.5
12.5°	10396.4	10078.6	10094.9	10397.0	10563.7
15°	10266.0	9984.5	10319.4	9902.6	9591.2
17.5°	10075.7	9765.1	10225.3	8772.6	8349.4
20°	9892.6	9526.4	9442.4	7814.3	7406.1
22.5°	9774.4	9490.1	8434.9	6962.9	6541.1
25°	9554.9	9584.8	7592.1	5954.8	4666.0
27.5°	9313.4	9361.8	6846.8	3971.3	2673.2
30°	9048.3	9103.9	6145.7	2346.8	1601.7
32.5°	8808.3	8494.8	4908.2	1464.1	1113.6
35°	8549.6	7777.3	3149.1	1053.7	852.1
37.5°	8224.0	7023.5	1993.5	833.6	715.3
40°	7904.9	6346.7	1283.9	711.7	624.1
42.5°	7606.3	5788.8	934.0	622.0	563.6
45°	7183.8	5158.3	732.4	555.0	451.7
47.5°	6818.3	4418.8	640.5	469.5	389.7
50°	6428.6	3378.6	579.9	417.5	387.6
52.5°	5966.2	2210.0	535.8	399.7	361.9
55°	5511.0	1421.4	448.8	379.7	338.4
57.5°	5019.3	901.3	396.2	368.3	353.4
60°	4457.2	607.7	350.6	349.1	317.0
62.5°	3937.1	499.4	338.4	334.9	300.0
65°	3386.4	418.9	334.9	314.9	292.8
67.5°	2836.3	359.1	302.8	287.8	268.6
70°	2298.4	328.5	291.4	285.0	244.3
72.5°	1745.5	270.7	258.6	241.5	203.1
75°	1300.2	264.3	251.5	218.7	200.2
77.5°	879.9	243.7	228.7	195.9	181.0
80°	547.9	223.7	195.9	171.7	153.1
82.5°	325.6	186.7	161.0	141.8	129.6
85°	183.1	143.9	123.2	113.3	112.6
87.5°	39.2	52.0	41.3	39.2	27.8
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)