

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: P730451

Luminaire Tested: **HBLED-LD5-15SE-N-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730451
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-L835
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: 13586.0 lumens
Efficiency: N/A
Efficacy: 144.5 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

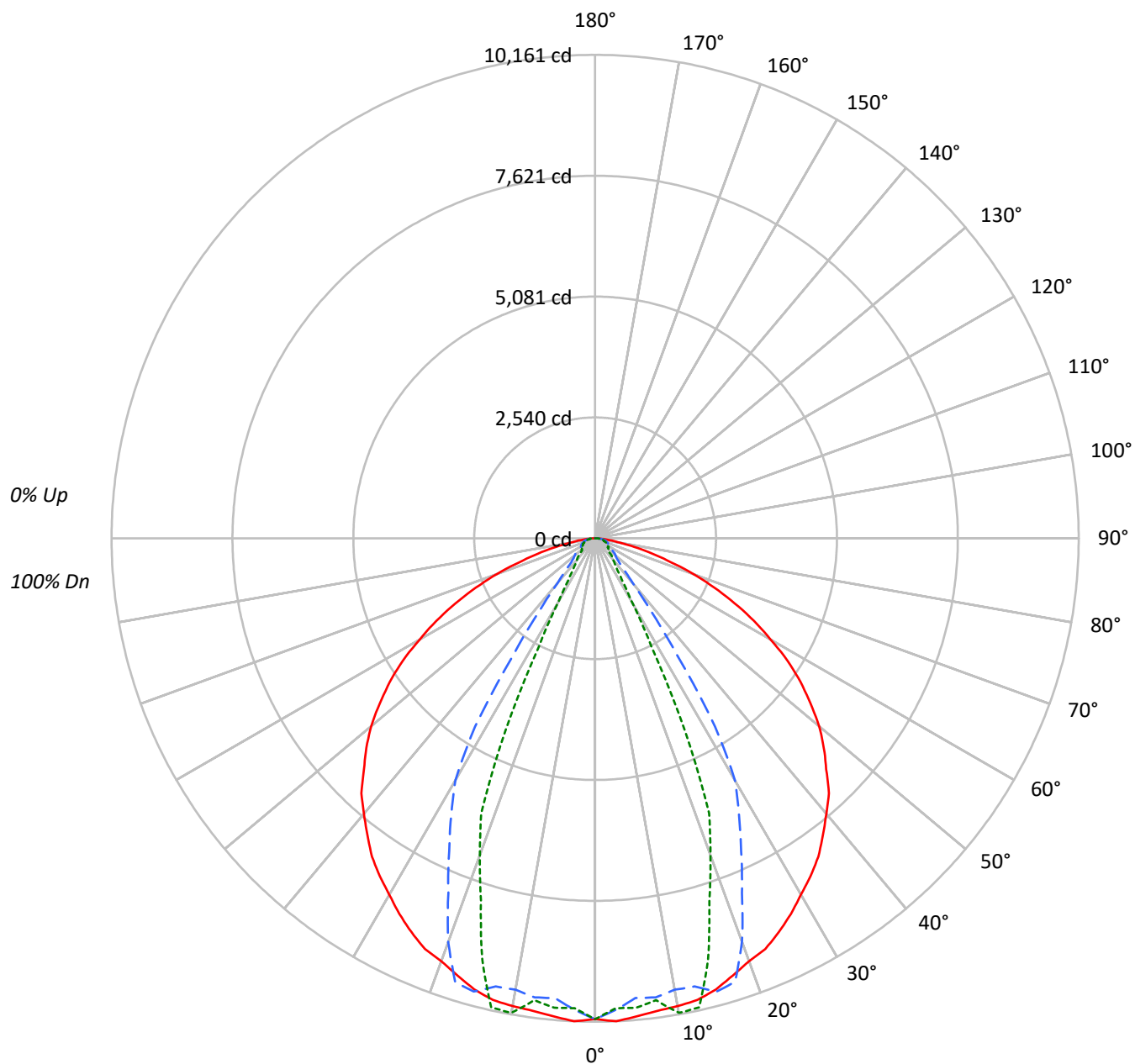
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16317	16317	16317
5°	16344	15721	16053
10°	16368	15797	16608
15°	16404	16489	15326
20°	16249	15509	12165
25°	16272	12930	7946
30°	16126	10953	2855
35°	16109	5934	1606
40°	15927	2587	1258
45°	15681	1599	986
50°	15436	1393	931
55°	14830	1208	911
60°	13759	1082	979
65°	12368	1223	1069
70°	10372	1315	1103
75°	7754	1500	1194
80°	4870	1742	1361
85°	3244	2182	1993



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.7	6.9
10°-20°	2645.0	19.5
20°-30°	3238.8	23.8
30°-40°	2543.5	18.7
40°-50°	1886.2	13.9
50°-60°	1148.3	8.5
60°-70°	687.8	5.1
70°-80°	377.4	2.8
80°-90°	122.4	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°	6820.5	50.2
0°-40°	9364.0	68.9
0°-60°	12398.4	91.3
0°-90°	13586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10106	10106	10106	10106	10106	
5°	10084	9810	9700	9807	9904	959
15°	9814	9545	9865	9466	9169	2763
25°	9134	9163	7258	5692	4460	4205
35°	8173	7435	3010	1007	815	5100
45°	6867	4931	700	530	432	5311
55°	5268	1359	429	363	324	4688
65°	3237	400	320	301	280	3198
75°	1243	253	240	209	191	1346
85°	175	138	118	108	108	214
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10106.0	10106.0	10106.0	10106.0	10106.0
2.5°	10161.1	10024.2	9919.3	9860.8	9884.6
5°	10084.1	9809.6	9700.0	9807.0	9904.4
7.5°	10017.4	9609.4	9733.4	9742.9	9794.0
10°	9983.4	9590.4	9635.3	9847.1	10129.8
12.5°	9938.4	9634.6	9650.3	9939.1	10098.4
15°	9813.8	9544.7	9864.8	9466.4	9168.8
17.5°	9631.9	9334.9	9774.9	8386.2	7981.6
20°	9456.8	9106.8	9026.4	7470.1	7079.9
22.5°	9343.8	9072.1	8063.4	6656.2	6253.0
25°	9134.0	9162.6	7257.7	5692.5	4460.4
27.5°	8903.1	8949.5	6545.2	3796.4	2555.4
30°	8649.8	8702.9	5875.0	2243.5	1531.1
32.5°	8420.3	8120.6	4692.0	1399.6	1064.5
35°	8173.0	7434.7	3010.4	1007.3	814.6
37.5°	7861.8	6714.1	1905.7	796.9	683.8
40°	7556.7	6067.1	1227.3	680.4	596.7
42.5°	7271.3	5533.8	892.9	594.6	538.8
45°	6867.4	4931.1	700.2	530.5	431.8
47.5°	6518.0	4224.1	612.3	448.8	372.6
50°	6145.4	3229.7	554.4	399.1	370.5
52.5°	5703.4	2112.7	512.2	382.1	346.0
55°	5268.2	1358.8	429.1	363.0	323.5
57.5°	4798.2	861.6	378.7	352.1	337.8
60°	4260.9	581.0	335.1	333.7	303.1
62.5°	3763.7	477.4	323.5	320.1	286.7
65°	3237.2	400.5	320.1	301.0	279.9
67.5°	2711.4	343.3	289.5	275.1	256.7
70°	2197.2	314.0	278.6	272.4	233.6
72.5°	1668.6	258.8	247.2	230.9	194.1
75°	1243.0	252.7	240.4	209.1	191.4
77.5°	841.1	232.9	218.6	187.3	173.0
80°	523.8	213.9	187.3	164.1	146.4
82.5°	311.3	178.4	153.9	135.6	123.9
85°	175.1	137.6	117.8	108.3	107.6
87.5°	37.5	49.7	39.5	37.5	26.5
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)