

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: P730487

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730487
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-LD5-15SE-W-CL-WG-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE 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 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

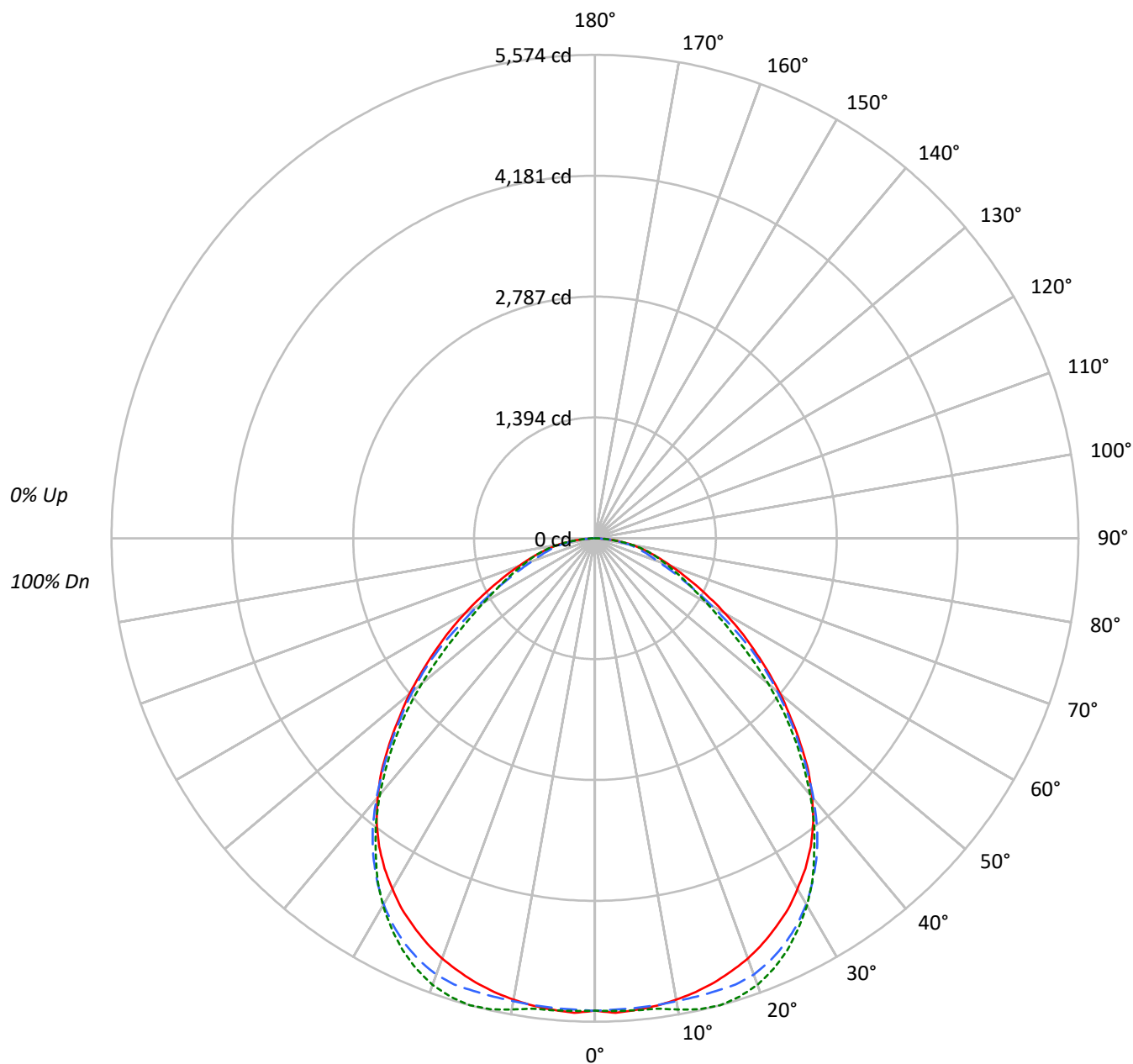
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	8796	8796	8796
5°	8848	8811	8854
10°	8855	8885	9044
15°	8866	9033	9317
20°	8860	9198	9413
25°	8806	9207	9342
30°	8705	9085	9114
35°	8550	8790	8685
40°	8212	8263	8132
45°	7652	7572	7418
50°	7006	6893	6540
55°	6293	6059	5529
60°	5581	5014	4773
65°	4917	4166	4332
70°	4398	3615	4126
75°	4120	3515	4172
80°	4010	3554	3971
85°	3201	2812	2916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.9	3.8
10°-20°	1528.6	11.3
20°-30°	2351.5	17.3
30°-40°	2744.4	20.2
40°-50°	2550.2	18.8
50°-60°	1890.3	13.9
60°-70°	1155.6	8.5
70°-80°	658.2	4.8
80°-90°	188.3	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°	4399.0	32.4
0°-40°	7143.4	52.6
0°-60°	11583.9	85.3
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°	5448	5448	5448	5448	5448	
5°	5459	5434	5436	5432	5463	519
15°	5304	5301	5404	5511	5574	1497
25°	4943	4981	5168	5212	5244	2277
35°	4338	4371	4460	4423	4406	2703
45°	3351	3371	3316	3264	3249	2582
55°	2236	2179	2153	1999	1964	2006
65°	1287	1169	1090	1120	1134	1288
75°	660	620	563	642	669	707
85°	173	169	152	157	157	199
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5447.6	5447.6	5447.6	5447.6	5447.6
2.5°	5477.1	5446.2	5440.5	5427.9	5456.0
5°	5458.9	5433.5	5436.3	5432.2	5463.1
7.5°	5437.7	5419.5	5430.7	5429.3	5470.1
10°	5401.2	5391.4	5419.5	5450.4	5516.5
12.5°	5360.5	5350.7	5412.5	5491.1	5562.8
15°	5304.3	5301.4	5404.0	5510.8	5574.1
17.5°	5234.0	5238.2	5394.2	5485.5	5541.7
20°	5156.7	5163.8	5353.5	5427.9	5478.5
22.5°	5057.0	5080.9	5274.7	5336.6	5375.9
25°	4943.1	4981.1	5168.0	5211.6	5243.8
27.5°	4820.9	4858.9	5035.9	5058.4	5076.7
30°	4669.2	4722.5	4872.9	4875.7	4888.3
32.5°	4514.6	4562.4	4677.6	4664.9	4667.7
35°	4337.6	4371.3	4459.8	4423.3	4406.4
37.5°	4133.8	4152.1	4208.3	4153.5	4150.7
40°	3896.3	3920.2	3920.2	3844.4	3858.4
42.5°	3643.5	3651.8	3616.8	3545.1	3556.3
45°	3351.2	3370.8	3316.0	3264.1	3248.6
47.5°	3061.7	3081.4	3023.8	2963.4	2936.7
50°	2789.1	2779.3	2744.2	2641.6	2603.7
52.5°	2506.7	2475.8	2461.8	2311.4	2267.8
55°	2235.5	2179.3	2152.6	1999.4	1964.3
57.5°	1984.0	1882.9	1832.3	1712.9	1698.8
60°	1728.3	1614.5	1552.6	1475.4	1478.2
62.5°	1496.5	1377.0	1302.5	1280.1	1289.9
65°	1287.1	1169.0	1090.4	1119.9	1133.9
67.5°	1097.4	1000.4	911.9	980.8	994.8
70°	931.6	854.3	765.8	867.0	874.0
72.5°	793.9	730.7	656.2	751.7	767.2
75°	660.4	619.7	563.4	642.1	668.8
77.5°	543.8	511.5	479.1	526.9	556.4
80°	431.3	399.1	382.2	407.4	427.1
82.5°	304.9	283.9	267.0	285.2	295.1
85°	172.8	168.6	151.8	157.4	157.4
87.5°	39.4	44.9	50.6	46.4	39.4
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)