

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: P730481

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13816.0 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

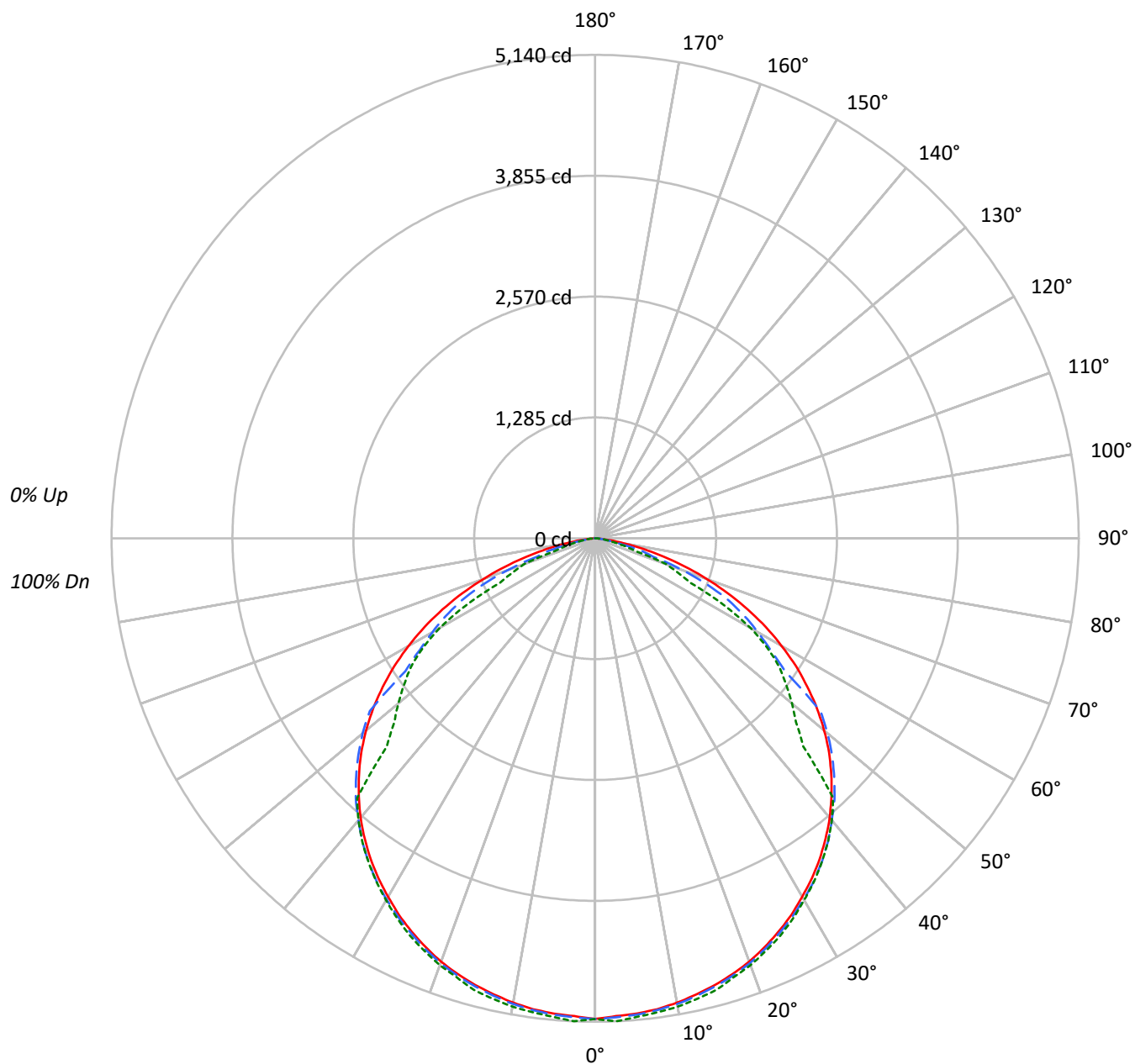
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8251	8251	8251
5°	8221	8239	8280
10°	8221	8244	8292
15°	8220	8245	8312
20°	8230	8261	8300
25°	8221	8252	8302
30°	8205	8266	8284
35°	8202	8276	8282
40°	8176	8248	8248
45°	8106	8204	7148
50°	7981	8101	6858
55°	7754	6934	6737
60°	7390	6446	6154
65°	6835	5984	4262
70°	5951	4656	3798
75°	4701	3125	2042
80°	3026	1492	1273
85°	1245	911	1002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.8	3.5
10°-20°	1397.3	10.1
20°-30°	2142.3	15.5
30°-40°	2625.7	19.0
40°-50°	2699.4	19.5
50°-60°	2303.8	16.7
60°-70°	1523.1	11.0
70°-80°	564.3	4.1
80°-90°	75.5	0.5
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°	4024.3	29.1
0°-40°	6650.0	48.1
0°-60°	11653.2	84.3
0°-90°	13816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5110	5110	5110	5110	5110	
5°	5072	5108	5084	5104	5109	482
15°	4918	4948	4932	4970	4972	1389
25°	4615	4639	4632	4674	4660	2128
35°	4161	4190	4199	4225	4202	2603
45°	3550	3585	3593	3587	3130	2736
55°	2755	2805	2463	2392	2393	2458
65°	1789	1804	1566	1288	1116	1764
75°	754	660	501	337	327	808
85°	67	48	49	54	54	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5110.5	5110.5	5110.5	5110.5	5110.5
2.5°	5085.6	5117.4	5098.6	5122.3	5140.3
5°	5072.5	5108.0	5083.7	5103.6	5108.6
7.5°	5050.1	5083.1	5060.7	5086.8	5083.1
10°	5014.1	5043.9	5028.4	5055.8	5057.6
12.5°	4968.0	4997.8	4983.5	5017.1	5016.5
15°	4917.6	4947.5	4932.5	4969.9	4972.4
17.5°	4858.5	4885.9	4874.6	4908.9	4895.2
20°	4790.0	4813.7	4808.0	4840.4	4830.4
22.5°	4706.0	4730.3	4724.7	4762.0	4747.1
25°	4614.6	4638.8	4632.0	4673.7	4660.0
27.5°	4515.6	4538.6	4538.0	4577.2	4556.1
30°	4401.1	4431.6	4433.5	4468.3	4443.4
32.5°	4287.9	4316.5	4324.6	4350.1	4329.0
35°	4161.0	4189.5	4198.9	4225.1	4202.0
37.5°	4024.0	4048.3	4065.1	4084.4	4066.3
40°	3879.0	3900.8	3913.3	3936.9	3913.3
42.5°	3717.3	3748.4	3765.8	3782.6	3744.1
45°	3549.9	3585.3	3592.8	3587.2	3130.5
47.5°	3372.6	3411.2	3415.5	2978.7	2894.7
50°	3177.2	3225.7	3225.1	2752.8	2730.4
52.5°	2973.7	3020.4	3018.5	2576.1	2561.2
55°	2754.6	2805.1	2463.4	2391.9	2393.2
57.5°	2531.3	2567.4	2210.2	2213.3	2172.2
60°	2288.6	2322.8	1996.2	1976.9	1905.9
62.5°	2045.3	2059.6	1789.0	1695.0	1560.0
65°	1789.0	1803.9	1566.2	1288.0	1115.7
67.5°	1525.8	1540.7	1299.8	958.3	945.2
70°	1260.6	1138.7	986.3	798.4	804.5
72.5°	999.3	874.9	644.6	618.5	446.7
75°	753.6	660.2	500.9	336.6	327.3
77.5°	524.6	454.9	268.2	229.6	214.7
80°	325.4	228.4	160.5	142.5	136.9
82.5°	164.9	131.3	87.1	87.1	87.1
85°	67.2	47.9	49.2	53.5	54.1
87.5°	14.3	19.3	23.7	24.3	23.7
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)