

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: P730475

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-AI-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13509.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

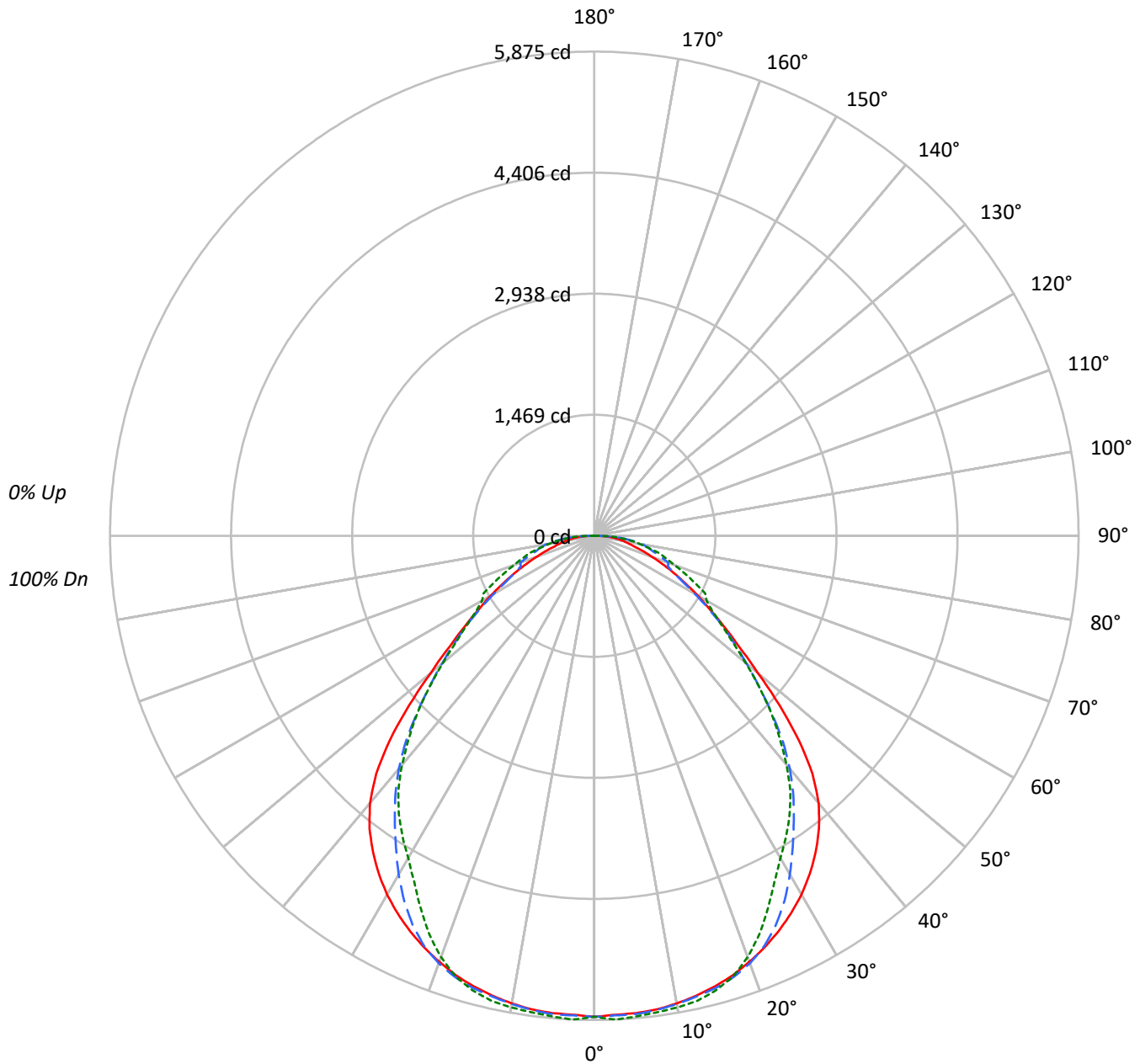
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9423	9423	9423
5°	9423	9443	9489
10°	9446	9458	9527
15°	9461	9496	9542
20°	9451	9486	9346
25°	9427	9286	8882
30°	9372	8848	8417
35°	9231	8316	8143
40°	8922	7775	7647
45°	8019	6943	6917
50°	6504	6048	6006
55°	5400	5300	5298
60°	4676	4539	5075
65°	4052	4027	5116
70°	3494	4517	4876
75°	3133	4630	5084
80°	3257	5451	5100
85°	3698	6282	5828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.7	4.1
10°-20°	1604.9	11.9
20°-30°	2383.6	17.6
30°-40°	2706.0	20.0
40°-50°	2419.1	17.9
50°-60°	1672.6	12.4
60°-70°	1103.7	8.2
70°-80°	744.6	5.5
80°-90°	318.9	2.4
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°	4544.2	33.6
0°-40°	7250.2	53.7
0°-60°	11341.8	84.0
0°-90°	13509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5836	5836	5836	5836	5836	
5°	5814	5850	5826	5850	5855	553
15°	5660	5687	5681	5713	5709	1598
25°	5292	5342	5212	5057	4986	2438
35°	4683	4585	4219	4158	4131	2920
45°	3512	3214	3041	3064	3030	2671
55°	1918	1751	1883	1856	1882	1743
65°	1061	942	1054	1233	1339	1059
75°	502	632	742	793	815	549
85°	200	278	339	341	315	208
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5836.3	5836.3	5836.3	5836.3	5836.3
2.5°	5816.5	5852.8	5825.7	5850.9	5875.3
5°	5813.8	5849.5	5826.4	5850.2	5854.8
7.5°	5797.3	5830.3	5803.2	5826.4	5831.7
10°	5761.6	5800.6	5768.9	5804.6	5811.2
12.5°	5715.4	5755.0	5727.2	5776.1	5778.8
15°	5659.8	5686.9	5681.0	5712.7	5708.7
17.5°	5589.8	5620.9	5616.2	5624.1	5605.6
20°	5500.6	5535.6	5521.0	5484.7	5439.1
22.5°	5404.7	5447.0	5389.6	5297.7	5233.6
25°	5291.7	5341.9	5212.5	5057.1	4985.7
27.5°	5166.8	5211.8	4996.3	4806.0	4732.0
30°	5026.7	5045.9	4745.8	4564.7	4514.5
32.5°	4864.8	4837.0	4478.2	4358.5	4329.5
35°	4683.1	4584.6	4219.1	4157.6	4131.2
37.5°	4478.2	4297.8	3963.4	3934.9	3907.1
40°	4233.0	3966.6	3689.1	3670.6	3628.3
42.5°	3916.4	3606.5	3384.4	3362.6	3324.9
45°	3512.0	3214.5	3040.7	3063.9	3029.5
47.5°	3046.7	2821.3	2711.0	2774.4	2711.0
50°	2589.3	2438.0	2407.6	2465.1	2391.1
52.5°	2214.6	2078.5	2141.3	2151.2	2106.9
55°	1918.5	1751.4	1882.9	1856.4	1882.2
57.5°	1660.8	1473.8	1635.7	1605.3	1693.9
60°	1448.0	1237.9	1405.7	1399.1	1571.6
62.5°	1239.2	1071.3	1206.1	1303.3	1515.4
65°	1060.7	941.8	1054.1	1232.6	1339.0
67.5°	889.5	844.6	964.2	1063.4	1179.7
70°	740.2	763.3	956.9	938.5	1032.9
72.5°	614.6	693.3	844.6	847.9	914.7
75°	502.3	631.8	742.2	793.1	814.9
77.5°	417.7	573.0	670.2	688.0	666.8
80°	350.3	504.9	586.2	578.3	548.5
82.5°	282.8	382.7	462.0	469.3	434.2
85°	199.6	277.6	339.1	341.0	314.6
87.5°	107.0	171.2	205.6	211.5	195.6
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)