

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: P730469

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-A-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13463.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

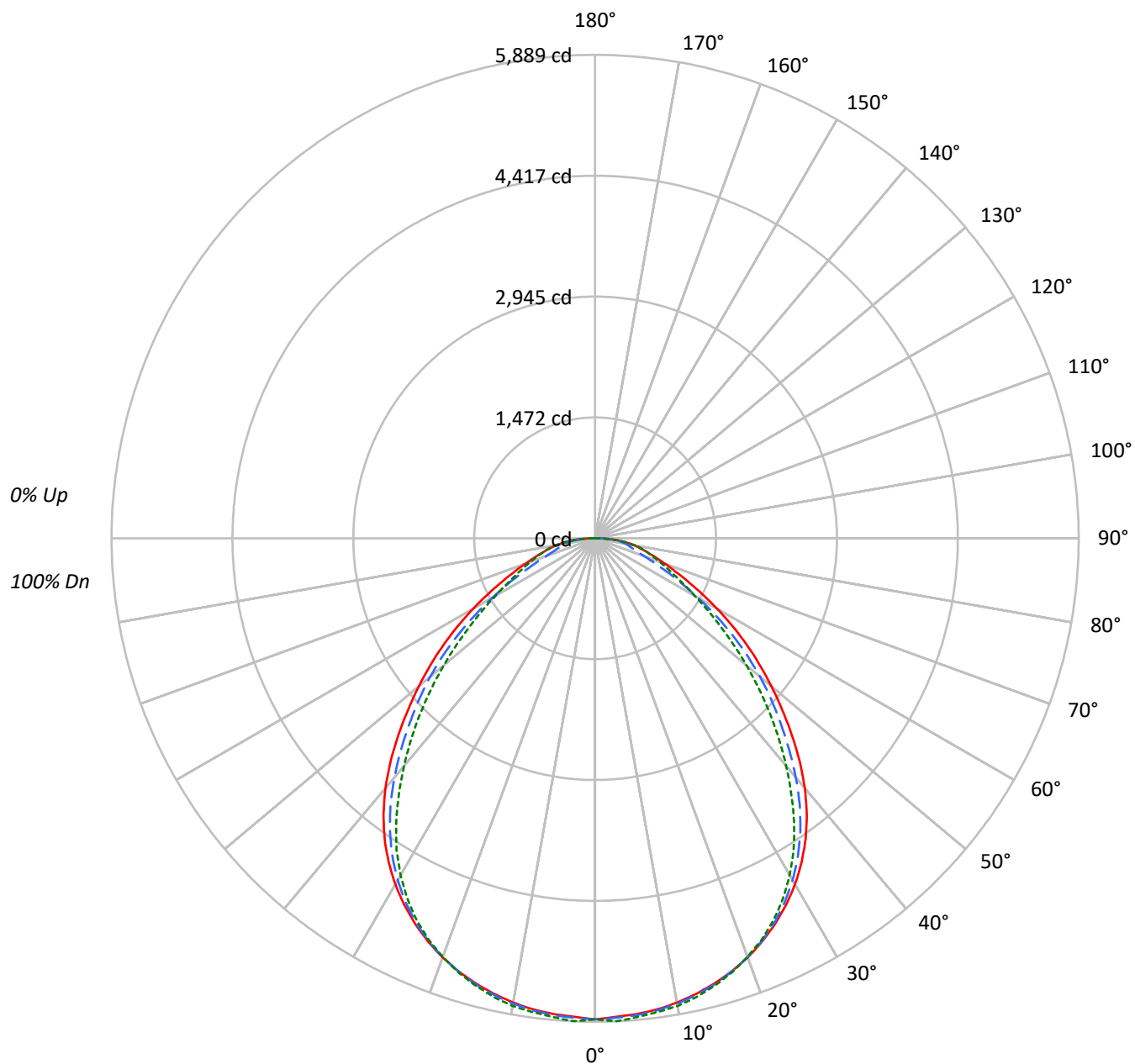
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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
1	110	105	101	98	107	103	100	96		99	96	93		95	93	90		91	90	88
2	101	93	87	82	98	91	86	81		88	83	79		85	81	77		82	78	75
3	93	83	75	70	90	81	75	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60	83	73	65	60		71	64	59		68	63	58		66	61	57
5	79	67	59	52	77	66	58	52		64	57	52		62	56	51		60	55	51
6	73	61	52	46	72	60	52	46		58	51	46		56	50	45		55	49	45
7	68	55	47	41	67	55	47	41		53	46	41		52	45	41		50	45	40
8	64	51	43	37	62	50	42	37		49	42	37		48	41	37		47	41	36
9	60	47	39	34	58	46	39	34		45	38	33		44	38	33		43	37	33
10	56	43	36	31	55	43	36	31		42	35	31		41	35	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9462	9462	9462
5°	9429	9450	9489
10°	9416	9437	9485
15°	9384	9403	9425
20°	9335	9328	9321
25°	9234	9202	9150
30°	9074	8965	8834
35°	8811	8589	8325
40°	8372	8013	7629
45°	7735	7303	6861
50°	7031	6576	6035
55°	6322	5693	5217
60°	5532	4653	4527
65°	4770	3659	4086
70°	4253	2986	3938
75°	4074	2915	4115
80°	4406	3448	4584
85°	4948	4152	4996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.4	4.1
10°-20°	1589.6	11.8
20°-30°	2378.0	17.7
30°-40°	2713.1	20.2
40°-50°	2469.6	18.3
50°-60°	1813.4	13.5
60°-70°	1070.7	8.0
70°-80°	613.6	4.6
80°-90°	259.5	1.9
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°	4523.1	33.6
0°-40°	7236.1	53.7
0°-60°	11519.2	85.6
0°-90°	13463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5861	5861	5861	5861	5861	
5°	5818	5854	5831	5854	5855	553
15°	5614	5645	5625	5645	5639	1584
25°	5183	5202	5165	5163	5136	2386
35°	4470	4448	4358	4283	4224	2785
45°	3387	3368	3198	3055	3005	2611
55°	2246	2142	2022	1876	1853	2009
65°	1248	1090	958	1024	1069	1256
75°	653	560	467	609	660	704
85°	267	246	224	264	270	279
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5860.6	5860.6	5860.6	5860.6	5860.6
2.5°	5833.5	5867.3	5846.1	5869.3	5889.1
5°	5817.7	5854.1	5830.9	5854.1	5854.7
7.5°	5788.7	5822.3	5799.9	5825.0	5822.3
10°	5743.0	5776.7	5756.3	5783.4	5785.3
12.5°	5684.8	5717.2	5696.1	5727.2	5721.9
15°	5614.1	5645.2	5625.3	5645.2	5638.6
17.5°	5530.8	5559.3	5533.5	5555.3	5544.1
20°	5433.0	5456.8	5429.1	5449.5	5425.1
22.5°	5316.1	5337.2	5308.1	5319.3	5294.2
25°	5183.2	5201.7	5165.3	5163.4	5136.3
27.5°	5035.1	5045.1	4998.8	4982.9	4951.8
30°	4867.3	4869.9	4808.4	4778.7	4738.4
32.5°	4678.9	4672.3	4593.6	4549.4	4499.7
35°	4470.0	4448.2	4357.7	4283.0	4223.5
37.5°	4234.1	4199.7	4091.3	3980.9	3924.1
40°	3972.3	3932.0	3801.8	3665.0	3619.4
42.5°	3687.5	3653.1	3499.8	3357.0	3312.0
45°	3387.4	3367.6	3198.3	3054.9	3004.7
47.5°	3087.3	3072.8	2907.6	2761.5	2700.6
50°	2799.2	2767.4	2618.1	2458.1	2402.6
52.5°	2519.5	2454.8	2323.3	2159.3	2118.4
55°	2245.9	2142.2	2022.5	1875.8	1853.3
57.5°	1974.9	1840.7	1724.4	1614.7	1614.1
60°	1713.2	1559.9	1440.9	1383.3	1401.9
62.5°	1468.0	1310.7	1181.8	1185.7	1219.5
65°	1248.5	1089.9	957.7	1024.5	1069.4
67.5°	1060.2	908.8	774.6	898.9	941.8
70°	900.9	764.0	632.6	787.8	834.1
72.5°	766.7	651.7	533.4	695.3	742.2
75°	653.0	559.8	467.3	609.4	659.6
77.5°	560.5	477.9	419.1	527.4	579.6
80°	473.9	401.2	370.8	448.2	493.0
82.5°	375.4	325.2	307.4	364.2	387.3
85°	267.1	246.5	224.1	264.4	269.7
87.5°	146.7	152.0	125.6	152.0	152.7
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)