

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: P730470

Luminaire Tested: **HBLED-LD5-15SE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730470
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-L840
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: 13851.0 lumens
Efficiency: N/A
Efficacy: 147.4 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

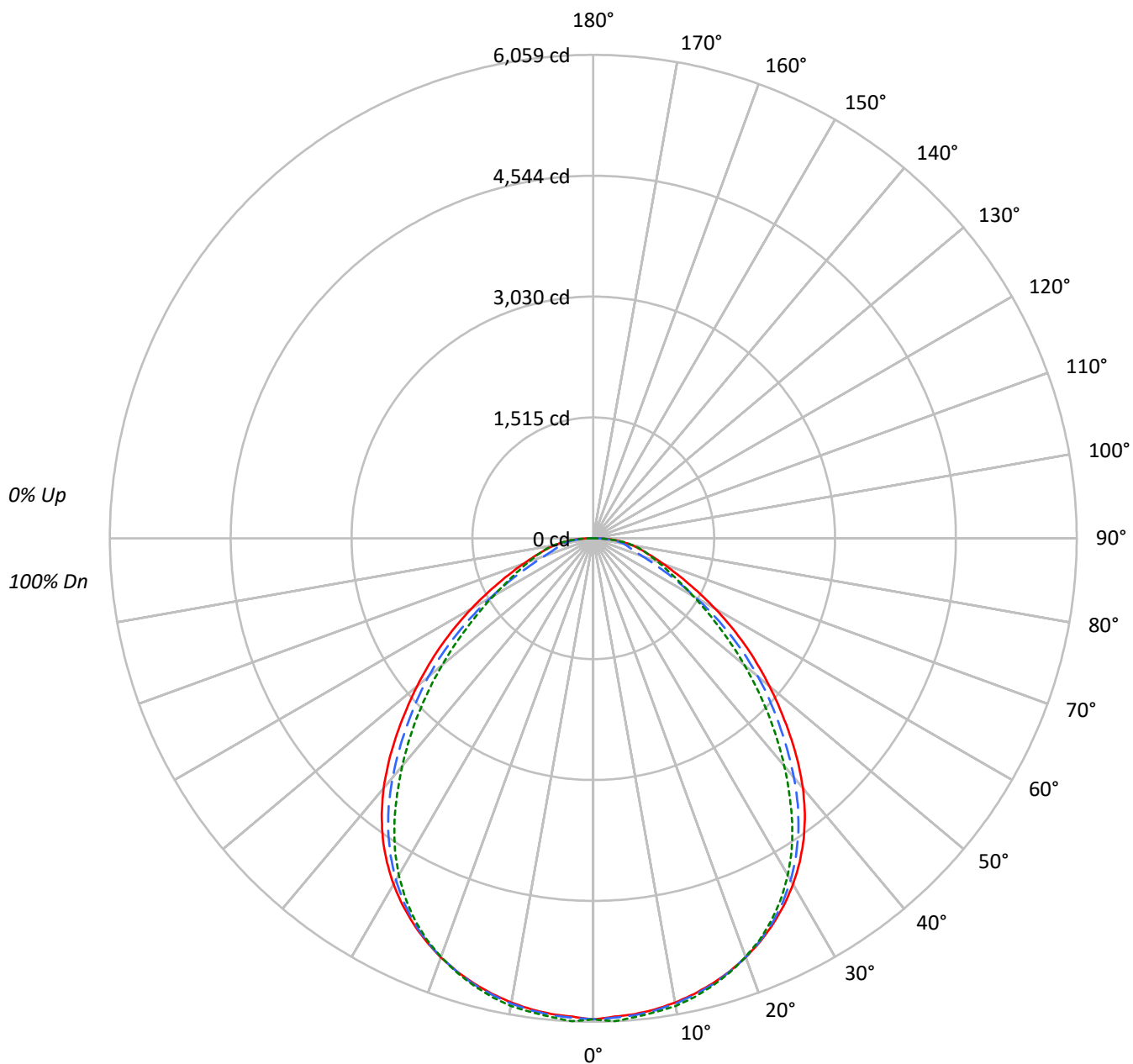
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9735	9735	9735
5°	9701	9723	9762
10°	9687	9709	9758
15°	9655	9674	9697
20°	9604	9597	9590
25°	9500	9467	9414
30°	9336	9223	9089
35°	9064	8837	8565
40°	8614	8244	7848
45°	7958	7513	7059
50°	7234	6766	6209
55°	6504	5857	5367
60°	5692	4787	4657
65°	4907	3764	4203
70°	4376	3072	4051
75°	4192	2999	4233
80°	4534	3547	4717
85°	5091	4270	5139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.5	4.1
10°-20°	1635.5	11.8
20°-30°	2446.5	17.7
30°-40°	2791.2	20.2
40°-50°	2540.8	18.3
50°-60°	1865.7	13.5
60°-70°	1101.6	8.0
70°-80°	631.3	4.6
80°-90°	266.9	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°	4653.4	33.6
0°-40°	7444.7	53.7
0°-60°	11851.2	85.6
0°-90°	13851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6030	6030	6030	6030	6030	
5°	5985	6023	5999	6023	6023	569
15°	5776	5808	5788	5808	5801	1630
25°	5333	5352	5314	5312	5284	2455
35°	4599	4576	4483	4406	4345	2865
45°	3485	3465	3290	3143	3091	2686
55°	2311	2204	2081	1930	1907	2066
65°	1284	1121	985	1054	1100	1293
75°	672	576	481	627	679	724
85°	275	254	230	272	277	287
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6029.5	6029.5	6029.5	6029.5	6029.5
2.5°	6001.7	6036.4	6014.6	6038.4	6058.8
5°	5985.4	6022.8	5999.0	6022.8	6023.4
7.5°	5955.5	5990.1	5967.0	5992.9	5990.1
10°	5908.5	5943.2	5922.2	5950.0	5952.1
12.5°	5848.7	5882.0	5860.3	5892.2	5886.8
15°	5775.9	5807.9	5787.5	5807.9	5801.1
17.5°	5690.2	5719.5	5693.0	5715.4	5703.9
20°	5589.6	5614.1	5585.5	5606.6	5581.5
22.5°	5469.3	5491.0	5461.1	5472.6	5446.8
25°	5332.6	5351.6	5314.2	5312.2	5284.3
27.5°	5180.2	5190.5	5142.8	5126.5	5094.6
30°	5007.6	5010.3	4947.0	4916.4	4874.9
32.5°	4813.7	4806.9	4726.0	4680.5	4629.4
35°	4598.8	4576.4	4483.3	4406.4	4345.2
37.5°	4356.1	4320.8	4209.2	4095.7	4037.1
40°	4086.8	4045.3	3911.4	3770.6	3723.7
42.5°	3793.8	3758.4	3600.6	3453.7	3407.5
45°	3485.0	3464.6	3290.5	3143.0	3091.3
47.5°	3176.3	3161.3	2991.4	2841.1	2778.5
50°	2879.8	2847.2	2693.5	2528.9	2471.8
52.5°	2592.2	2525.5	2390.2	2221.6	2179.4
55°	2310.6	2203.9	2080.8	1929.9	1906.7
57.5°	2031.8	1893.8	1774.1	1661.2	1660.6
60°	1762.6	1604.8	1482.4	1423.2	1442.3
62.5°	1510.3	1348.4	1215.8	1219.9	1254.6
65°	1284.5	1121.3	985.3	1054.0	1100.2
67.5°	1090.7	935.0	797.0	924.8	969.0
70°	926.9	786.1	650.8	810.5	858.2
72.5°	788.8	670.5	548.8	715.3	763.6
75°	671.9	575.9	480.7	627.0	678.6
77.5°	576.7	491.6	431.2	542.6	596.3
80°	487.6	412.8	381.5	461.1	507.3
82.5°	386.2	334.6	316.2	374.7	398.5
85°	274.8	253.6	230.5	272.0	277.4
87.5°	151.0	156.4	129.2	156.4	157.1
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)