

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: P730471

Luminaire Tested: **HBLED-LD5-15SE-W-A-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730471
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-L850
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: 14123.0 lumens
Efficiency: N/A
Efficacy: 150.2 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

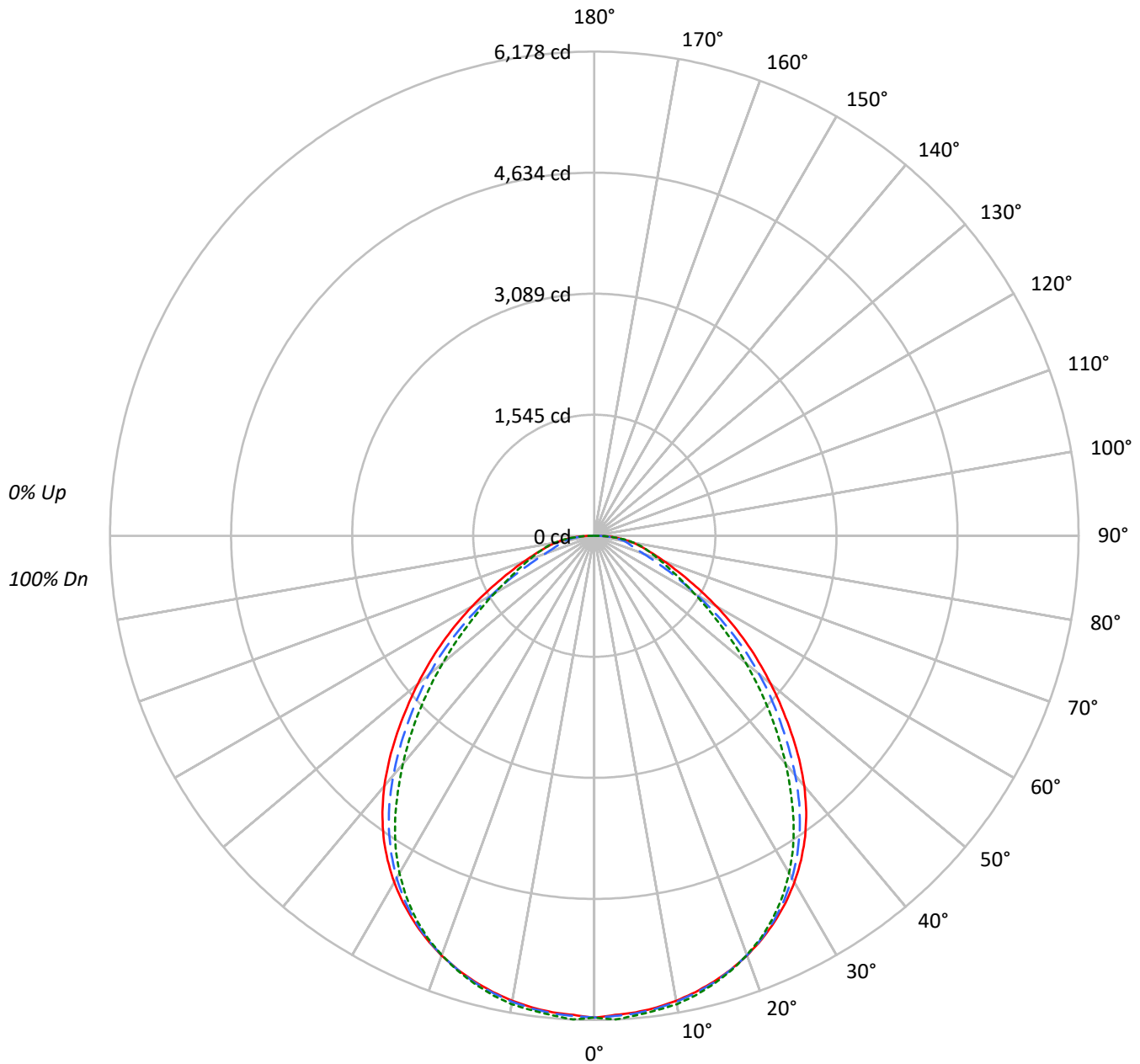
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
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°	9926	9926	9926
5°	9891	9914	9954
10°	9877	9900	9950
15°	9844	9864	9887
20°	9793	9786	9778
25°	9687	9653	9599
30°	9519	9404	9267
35°	9243	9010	8733
40°	8783	8406	8002
45°	8114	7661	7197
50°	7376	6899	6331
55°	6632	5972	5473
60°	5803	4881	4749
65°	5004	3838	4286
70°	4462	3133	4131
75°	4273	3058	4316
80°	4622	3617	4809
85°	5189	4355	5241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.7	4.1
10°-20°	1667.6	11.8
20°-30°	2494.5	17.7
30°-40°	2846.1	20.2
40°-50°	2590.7	18.3
50°-60°	1902.3	13.5
60°-70°	1123.3	8.0
70°-80°	643.7	4.6
80°-90°	272.2	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°	4744.8	33.6
0°-40°	7590.8	53.7
0°-60°	12083.9	85.6
0°-90°	14123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6148	6148	6148	6148	6148	
5°	6103	6141	6117	6141	6142	580
15°	5889	5922	5901	5922	5915	1662
25°	5437	5457	5419	5416	5388	2503
35°	4689	4666	4571	4493	4431	2922
45°	3554	3533	3355	3205	3152	2739
55°	2356	2247	2122	1968	1944	2107
65°	1310	1143	1005	1075	1122	1318
75°	685	587	490	639	692	738
85°	280	259	235	277	283	293
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6148.0	6148.0	6148.0	6148.0	6148.0
2.5°	6119.5	6154.9	6132.7	6157.0	6177.8
5°	6102.9	6141.1	6116.8	6141.1	6141.7
7.5°	6072.4	6107.7	6084.2	6110.6	6107.7
10°	6024.5	6059.9	6038.4	6066.9	6069.0
12.5°	5963.5	5997.5	5975.4	6007.9	6002.4
15°	5889.3	5921.9	5901.1	5921.9	5915.0
17.5°	5802.0	5831.8	5804.8	5827.7	5815.9
20°	5699.4	5724.3	5695.2	5716.7	5691.1
22.5°	5576.7	5598.8	5568.3	5580.1	5553.7
25°	5437.3	5456.7	5418.6	5416.5	5388.1
27.5°	5282.0	5292.4	5243.8	5227.2	5194.6
30°	5105.9	5108.6	5044.2	5013.0	4970.6
32.5°	4908.2	4901.3	4818.8	4772.4	4720.3
35°	4689.2	4666.3	4571.3	4493.0	4430.6
37.5°	4441.7	4405.6	4291.9	4176.1	4116.4
40°	4167.1	4124.8	3988.2	3844.6	3796.8
42.5°	3868.3	3832.2	3671.3	3521.6	3474.4
45°	3553.5	3532.7	3355.1	3204.7	3152.0
47.5°	3238.7	3223.4	3050.1	2896.8	2833.0
50°	2936.4	2903.1	2746.4	2578.6	2520.4
52.5°	2643.1	2575.1	2437.2	2265.2	2222.2
55°	2356.0	2247.2	2121.7	1967.8	1944.2
57.5°	2071.7	1931.0	1809.0	1693.9	1693.2
60°	1797.2	1636.3	1511.5	1451.2	1470.6
62.5°	1539.9	1374.9	1239.7	1243.9	1279.3
65°	1309.8	1143.3	1004.7	1074.7	1121.9
67.5°	1112.2	953.4	812.6	943.0	988.0
70°	945.1	801.5	663.6	826.5	875.0
72.5°	804.3	683.6	559.6	729.4	778.6
75°	685.0	587.2	490.2	639.3	691.9
77.5°	588.0	501.3	439.6	553.3	608.1
80°	497.1	420.9	389.0	470.1	517.2
82.5°	393.8	341.2	322.4	382.0	406.3
85°	280.1	258.6	235.1	277.3	282.9
87.5°	153.9	159.5	131.7	159.5	160.1
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)