

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: P730489

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
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-WG-UNV-L850
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14251.0 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

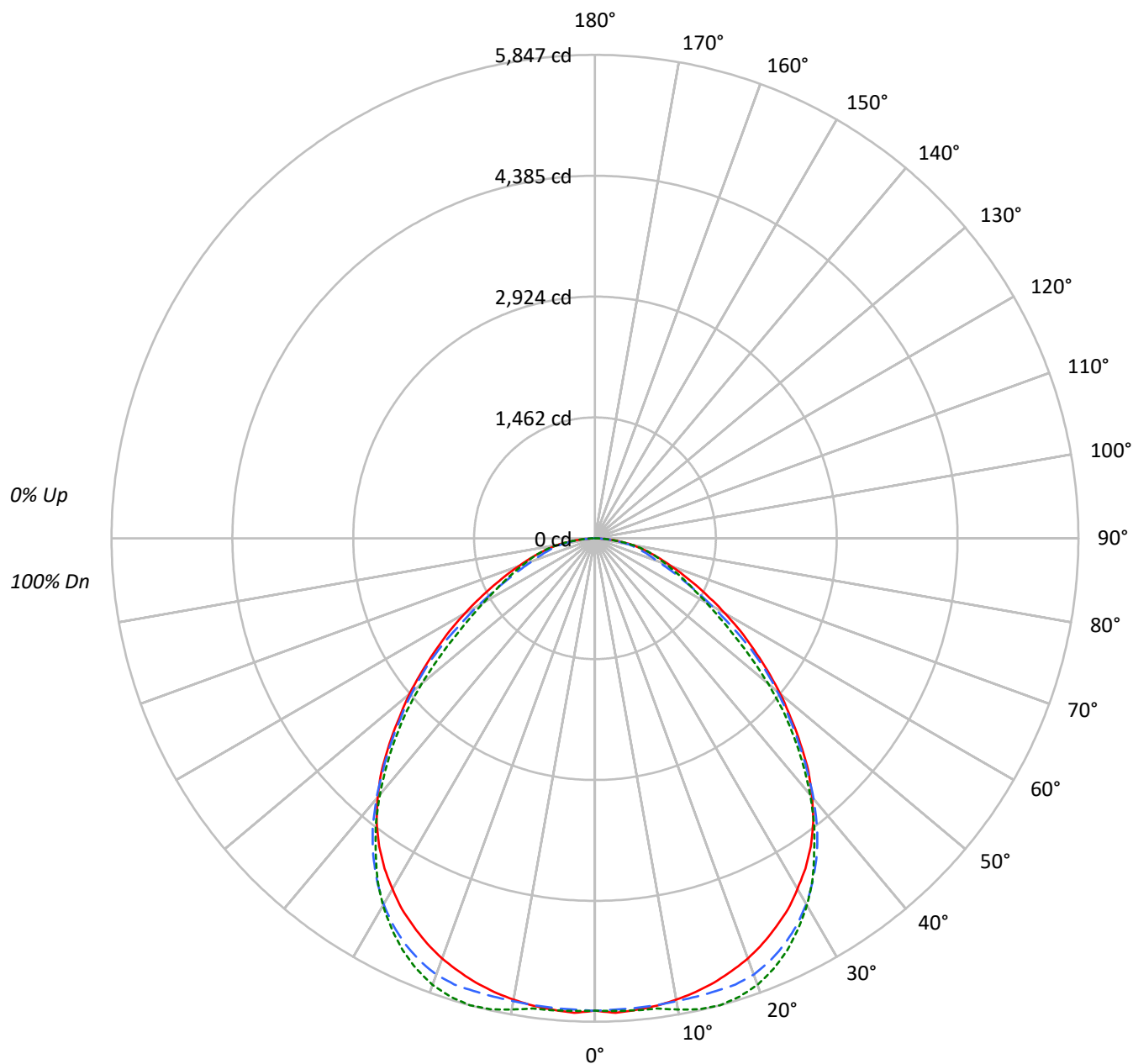
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9226	9226	9226
5°	9280	9242	9288
10°	9289	9320	9487
15°	9300	9475	9773
20°	9294	9649	9874
25°	9237	9657	9799
30°	9131	9530	9560
35°	8968	9221	9110
40°	8614	8667	8530
45°	8027	7942	7781
50°	7349	7230	6860
55°	6601	6356	5800
60°	5854	5259	5007
65°	5158	4370	4544
70°	4613	3792	4328
75°	4321	3687	4377
80°	4207	3728	4166
85°	3359	2949	3059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.3	3.8
10°-20°	1603.4	11.3
20°-30°	2466.6	17.3
30°-40°	2878.7	20.2
40°-50°	2675.1	18.8
50°-60°	1982.9	13.9
60°-70°	1212.2	8.5
70°-80°	690.4	4.8
80°-90°	197.5	1.4
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°	4614.3	32.4
0°-40°	7493.0	52.6
0°-60°	12150.9	85.3
0°-90°	14251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5714	5714	5714	5714	5714	
5°	5726	5700	5702	5698	5730	545
15°	5564	5561	5669	5780	5847	1571
25°	5185	5225	5421	5467	5500	2388
35°	4550	4585	4678	4640	4622	2835
45°	3515	3536	3478	3424	3408	2709
55°	2345	2286	2258	2097	2060	2104
65°	1350	1226	1144	1175	1189	1351
75°	693	650	591	674	702	741
85°	181	177	159	165	165	209
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5714.3	5714.3	5714.3	5714.3	5714.3
2.5°	5745.2	5712.8	5706.8	5693.6	5723.1
5°	5726.0	5699.5	5702.4	5698.1	5730.5
7.5°	5703.9	5684.8	5696.6	5695.1	5737.8
10°	5665.6	5655.3	5684.8	5717.2	5786.5
12.5°	5622.8	5612.6	5677.4	5759.9	5835.1
15°	5563.9	5560.9	5668.6	5780.5	5846.9
17.5°	5490.2	5494.6	5658.2	5754.0	5813.0
20°	5409.2	5416.5	5615.5	5693.6	5746.7
22.5°	5304.5	5329.6	5532.9	5597.8	5639.1
25°	5185.1	5224.9	5420.9	5466.6	5500.5
27.5°	5056.9	5096.7	5282.4	5305.9	5325.2
30°	4897.7	4953.7	5111.4	5114.4	5127.6
32.5°	4735.6	4785.7	4906.6	4893.3	4896.2
35°	4549.9	4585.2	4678.1	4639.8	4622.1
37.5°	4336.2	4355.3	4414.2	4356.8	4353.8
40°	4087.1	4112.1	4112.1	4032.6	4047.3
42.5°	3821.8	3830.6	3793.8	3718.6	3730.4
45°	3515.2	3535.8	3478.3	3423.8	3407.6
47.5°	3211.6	3232.2	3171.8	3108.4	3080.4
50°	2925.7	2915.3	2878.5	2770.9	2731.1
52.5°	2629.4	2597.0	2582.3	2424.6	2378.9
55°	2344.9	2286.0	2258.0	2097.3	2060.5
57.5°	2081.1	1975.0	1922.0	1796.7	1781.9
60°	1812.9	1693.5	1628.6	1547.6	1550.5
62.5°	1569.7	1444.4	1366.3	1342.7	1353.0
65°	1350.1	1226.2	1143.8	1174.7	1189.4
67.5°	1151.1	1049.4	956.6	1028.8	1043.5
70°	977.2	896.1	803.3	909.4	916.8
72.5°	832.7	766.4	688.3	788.5	804.7
75°	692.7	650.0	591.0	673.6	701.6
77.5°	570.4	536.5	502.6	552.7	583.7
80°	452.5	418.6	400.9	427.4	448.0
82.5°	319.8	297.8	280.0	299.2	309.5
85°	181.3	176.8	159.2	165.1	165.1
87.5°	41.3	47.1	53.1	48.6	41.3
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)