

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: P730488

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730488
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-L840
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: 13977.0 lumens
Efficiency: N/A
Efficacy: 148.7 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

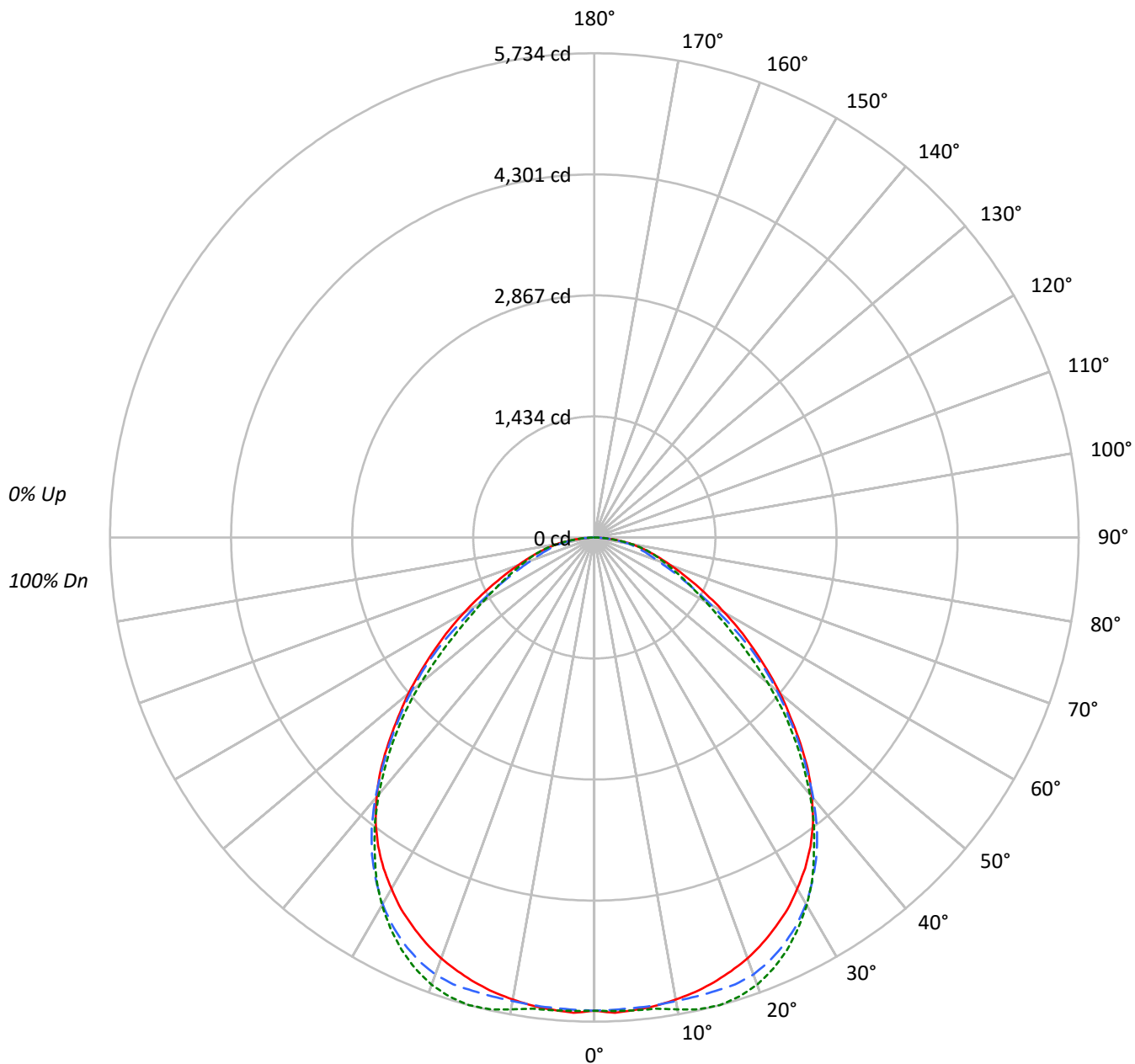
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9049	9049	9049
5°	9102	9065	9109
10°	9110	9141	9304
15°	9121	9293	9585
20°	9115	9463	9684
25°	9060	9472	9611
30°	8955	9346	9376
35°	8796	9043	8935
40°	8449	8501	8366
45°	7872	7790	7631
50°	7208	7091	6728
55°	6474	6234	5688
60°	5741	5158	4911
65°	5059	4286	4457
70°	4524	3719	4244
75°	4238	3616	4293
80°	4126	3656	4086
85°	3294	2892	2999



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.9	3.8
10°-20°	1572.6	11.3
20°-30°	2419.2	17.3
30°-40°	2823.3	20.2
40°-50°	2623.6	18.8
50°-60°	1944.7	13.9
60°-70°	1188.8	8.5
70°-80°	677.2	4.8
80°-90°	193.7	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°	4525.6	32.4
0°-40°	7349.0	52.6
0°-60°	11917.3	85.3
0°-90°	13977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13977.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5604	5604	5604	5604	5604	
5°	5616	5590	5593	5588	5620	534
15°	5457	5454	5560	5669	5734	1540
25°	5085	5124	5317	5362	5395	2343
35°	4462	4497	4588	4551	4533	2780
45°	3448	3468	3412	3358	3342	2657
55°	2300	2242	2215	2057	2021	2064
65°	1324	1203	1122	1152	1166	1325
75°	679	638	580	661	688	727
85°	178	173	156	162	162	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5604.4	5604.4	5604.4	5604.4	5604.4
2.5°	5634.7	5602.9	5597.1	5584.2	5613.0
5°	5616.0	5589.9	5592.8	5588.5	5620.3
7.5°	5594.2	5575.5	5587.0	5585.6	5627.5
10°	5556.7	5546.5	5575.5	5607.3	5675.2
12.5°	5514.7	5504.6	5568.3	5649.2	5722.9
15°	5456.9	5454.0	5559.6	5669.4	5734.5
17.5°	5384.7	5389.0	5549.4	5643.4	5701.2
20°	5305.2	5312.4	5507.5	5584.2	5636.2
22.5°	5202.5	5227.1	5426.5	5490.2	5530.6
25°	5085.4	5124.4	5316.7	5361.5	5394.7
27.5°	4959.7	4998.7	5180.8	5203.9	5222.8
30°	4803.5	4858.5	5013.1	5016.1	5029.0
32.5°	4644.5	4693.7	4812.2	4799.2	4802.1
35°	4462.4	4497.1	4588.1	4550.6	4533.2
37.5°	4252.8	4271.6	4329.4	4273.0	4270.1
40°	4008.5	4033.1	4033.1	3955.0	3969.5
42.5°	3748.3	3756.9	3720.9	3647.1	3658.7
45°	3447.6	3467.8	3411.5	3358.0	3342.1
47.5°	3149.8	3170.1	3110.8	3048.7	3021.2
50°	2869.4	2859.3	2823.2	2717.6	2678.6
52.5°	2578.8	2547.0	2532.6	2377.9	2333.1
55°	2299.8	2242.1	2214.6	2057.0	2020.8
57.5°	2041.1	1937.1	1885.0	1762.1	1747.7
60°	1778.0	1660.9	1597.3	1517.8	1520.7
62.5°	1539.5	1416.6	1340.0	1316.9	1327.0
65°	1324.1	1202.7	1121.8	1152.1	1166.5
67.5°	1129.0	1029.2	938.2	1009.0	1023.4
70°	958.4	878.9	787.8	891.9	899.1
72.5°	816.7	751.7	675.1	773.3	789.2
75°	679.4	637.5	579.7	660.6	688.1
77.5°	559.4	526.2	492.9	542.1	572.4
80°	443.8	410.6	393.2	419.2	439.4
82.5°	313.7	292.0	274.7	293.4	303.6
85°	177.8	173.4	156.1	161.9	161.9
87.5°	40.5	46.2	52.0	47.7	40.5
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)