

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: P730512

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-WG-UNV-L840
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14923.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

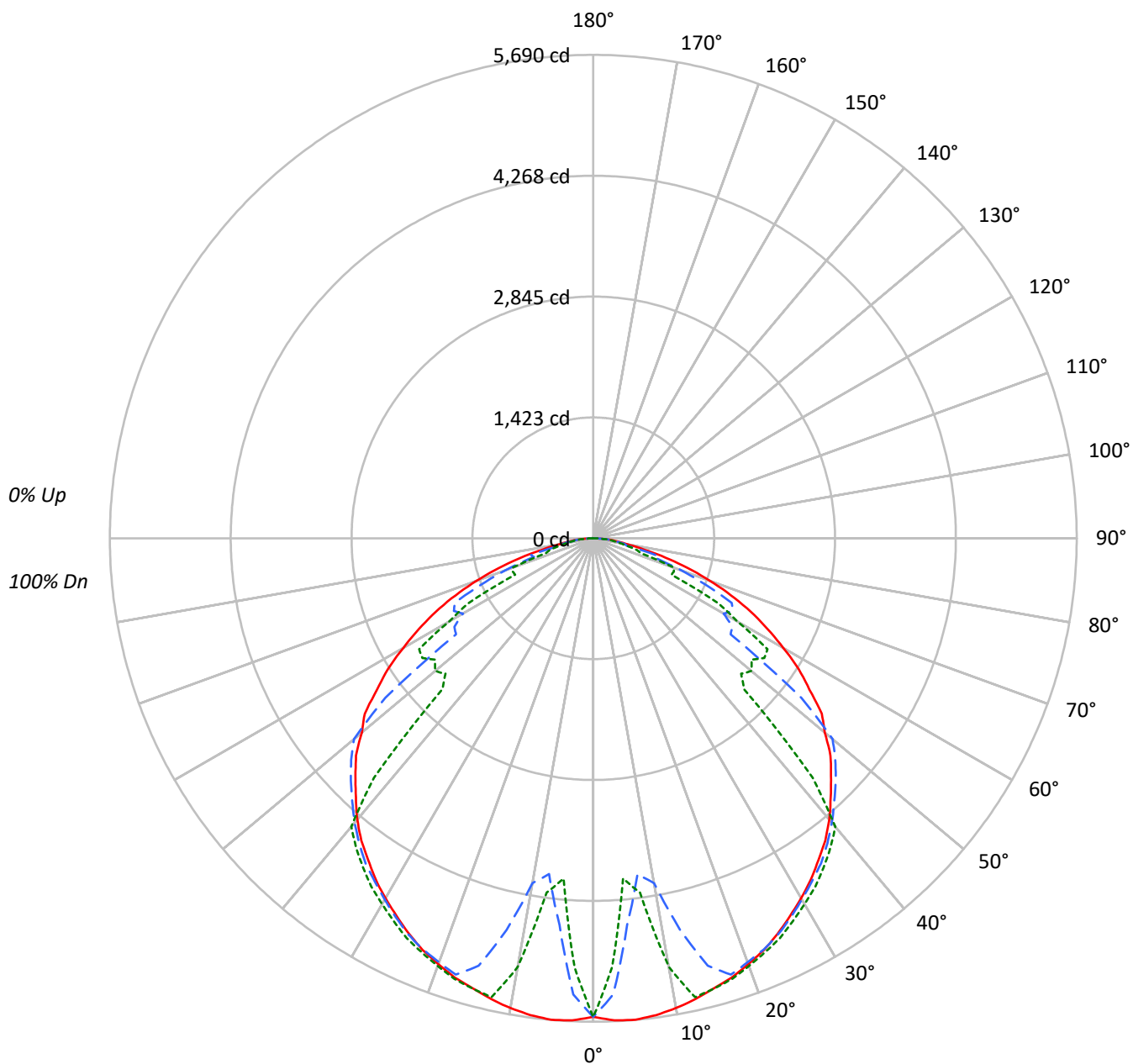
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9095	9095	9095
5°	9221	7408	6515
10°	9205	6756	8403
15°	9165	8708	9172
20°	9165	9123	9204
25°	9148	9169	9253
30°	9122	9152	9270
35°	9107	9208	9316
40°	9108	9208	9340
45°	9037	9214	5726
50°	8935	9233	6103
55°	8746	5551	6917
60°	8344	5722	6334
65°	7817	6871	3875
70°	6903	5205	4750
75°	5500	4732	3294
80°	3789	3419	2831
85°	3631	3157	2996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.4	3.0
10°-20°	1411.2	9.5
20°-30°	2321.7	15.6
30°-40°	2919.2	19.6
40°-50°	2863.0	19.2
50°-60°	2372.1	15.9
60°-70°	1673.1	11.2
70°-80°	730.0	4.9
80°-90°	182.4	1.2
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°	4183.3	28.0
0°-40°	7102.4	47.6
0°-60°	12337.5	82.7
0°-90°	14923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5633	5633	5633	5633	5633	
5°	5690	5296	4571	4144	4020	540
15°	5483	3808	5209	5504	5487	1550
25°	5135	4699	5147	5181	5194	2367
35°	4621	4618	4672	4703	4726	2895
45°	3958	3970	4035	3574	2508	3055
55°	3107	3209	1972	2242	2457	2780
65°	2046	2167	1798	1384	1014	2012
75°	882	864	758	496	528	946
85°	196	174	170	163	162	203
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5633.0	5633.0	5633.0	5633.0	5633.0
2.5°	5679.4	5561.5	5374.3	5138.5	5055.1
5°	5689.5	5295.5	4570.8	4144.4	4019.8
7.5°	5660.6	4812.5	3984.8	4074.3	4206.4
10°	5614.8	4388.2	4120.8	4848.2	5125.1
12.5°	5556.2	4011.0	4720.9	5476.7	5531.9
15°	5482.7	3807.6	5209.3	5504.3	5487.4
17.5°	5420.8	3926.8	5384.4	5449.1	5436.9
20°	5333.9	4164.6	5309.6	5361.5	5356.8
22.5°	5246.3	4446.1	5238.9	5276.0	5276.0
25°	5135.2	4698.7	5146.6	5181.0	5193.8
27.5°	5013.3	4844.2	5031.4	5059.7	5082.6
30°	4892.7	4865.1	4908.9	4945.3	4972.2
32.5°	4765.4	4754.7	4789.0	4827.4	4861.7
35°	4620.6	4617.9	4671.8	4702.7	4726.4
37.5°	4484.5	4475.1	4524.9	4568.1	4586.2
40°	4321.5	4321.5	4368.7	4412.4	4431.3
42.5°	4135.6	4161.9	4198.3	4243.4	3821.7
45°	3957.8	3969.9	4035.3	3573.9	2507.6
47.5°	3786.7	3802.2	3864.2	2297.5	2360.2
50°	3557.0	3627.1	3675.6	2290.8	2429.5
52.5°	3389.4	3419.6	3085.5	2267.9	2346.0
55°	3107.1	3208.8	1972.1	2242.3	2457.1
57.5°	2866.0	2940.1	1939.2	2297.5	2430.9
60°	2583.8	2696.9	1772.1	2216.7	1961.4
62.5°	2313.0	2420.7	1850.3	1744.5	1661.0
65°	2046.2	2166.8	1798.4	1383.5	1014.4
67.5°	1753.9	1641.5	1434.7	974.7	1025.8
70°	1462.3	1146.4	1102.6	1089.8	1006.3
72.5°	1162.6	836.6	732.1	817.7	585.3
75°	881.7	864.2	758.5	495.7	528.1
77.5°	611.6	623.7	406.1	483.6	401.4
80°	407.5	353.0	367.7	308.5	304.5
82.5°	282.2	288.3	241.8	234.4	237.8
85°	196.0	174.5	170.4	163.0	161.7
87.5°	65.3	76.1	70.8	64.0	68.1
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)