

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: P730452

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CL-WG-UNV-L840
Description: 15000 LUMEN, SE HBLED WITH NARROW 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 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

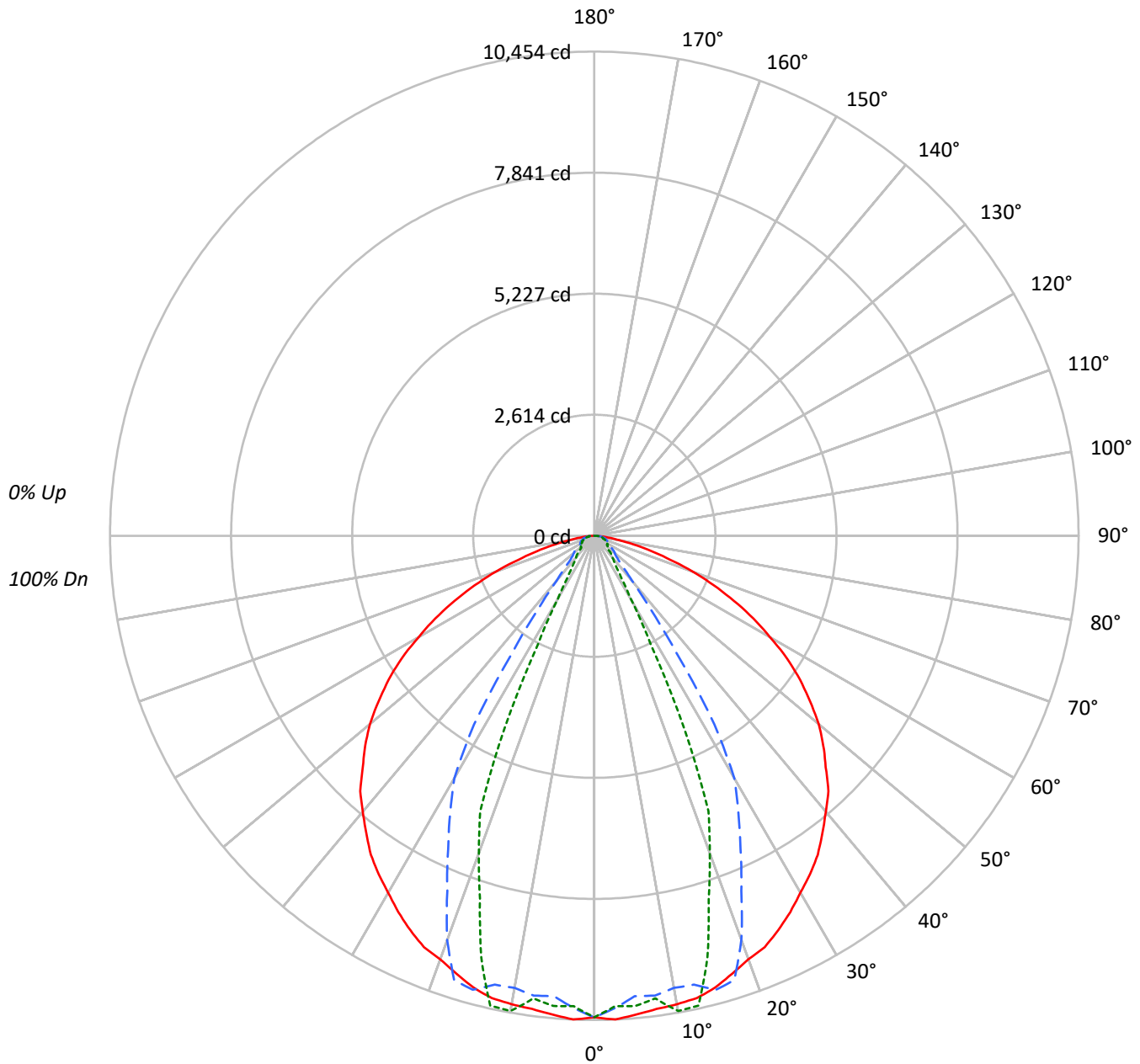
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101		109	105	103	100		101	99	97		98	96	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	84	81
3	97	89	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	85	74	67	62		83	73	66	61		71	65	61		69	64	60		68	63	59
6	79	68	61	56		78	68	61	56		66	60	55		64	59	55		63	58	54
7	75	63	56	51		73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	52	47		69	58	51	47		57	51	46		56	50	46		55	50	46
9	66	55	48	43		65	54	48	43		53	47	43		52	47	43		52	46	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16787	16787	16787
5°	16814	16174	16515
10°	16839	16252	17086
15°	16876	16964	15767
20°	16716	15956	12515
25°	16741	13302	8175
30°	16590	11268	2937
35°	16573	6104	1652
40°	16385	2661	1294
45°	16132	1645	1014
50°	15881	1433	958
55°	15256	1243	937
60°	14155	1113	1007
65°	12724	1258	1100
70°	10671	1353	1134
75°	7977	1543	1228
80°	5010	1792	1400
85°	3336	2245	2051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.6	6.9
10°-20°	2721.1	19.5
20°-30°	3332.1	23.8
30°-40°	2616.7	18.7
40°-50°	1940.4	13.9
50°-60°	1181.3	8.5
60°-70°	707.6	5.1
70°-80°	388.2	2.8
80°-90°	125.9	0.9
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°	7016.8	50.2
0°-40°	9633.5	68.9
0°-60°	12755.2	91.3
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°	10397	10397	10397	10397	10397	
5°	10374	10092	9979	10089	10189	987
15°	10096	9819	10149	9739	9433	2843
25°	9397	9426	7466	5856	4589	4326
35°	8408	7649	3097	1036	838	5247
45°	7065	5073	720	546	444	5463
55°	5420	1398	441	374	333	4823
65°	3330	412	329	310	288	3290
75°	1279	260	247	215	197	1385
85°	180	142	121	111	111	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10396.8	10396.8	10396.8	10396.8	10396.8
2.5°	10453.5	10312.7	10204.8	10144.6	10169.0
5°	10374.3	10092.0	9979.2	10089.2	10189.4
7.5°	10305.7	9886.0	10013.5	10023.3	10075.9
10°	10270.7	9866.4	9912.6	10130.5	10421.3
12.5°	10224.5	9911.9	9928.0	10225.1	10389.1
15°	10096.2	9819.4	10148.8	9738.9	9432.6
17.5°	9909.1	9603.6	10056.2	8627.6	8211.4
20°	9729.0	9368.9	9286.2	7685.1	7283.6
22.5°	9612.7	9333.2	8295.5	6847.8	6433.0
25°	9396.9	9426.3	7466.5	5856.3	4588.8
27.5°	9159.4	9207.0	6733.6	3905.7	2629.0
30°	8898.7	8953.4	6044.1	2308.0	1575.2
32.5°	8662.6	8354.3	4827.0	1439.9	1095.2
35°	8408.3	7648.7	3097.0	1036.3	838.0
37.5°	8088.1	6907.3	1960.5	819.8	703.5
40°	7774.1	6241.7	1262.6	700.0	613.8
42.5°	7480.5	5693.1	918.6	611.7	554.3
45°	7065.1	5073.0	720.3	545.8	444.2
47.5°	6705.6	4345.7	629.9	461.8	383.3
50°	6322.3	3322.7	570.4	410.6	381.2
52.5°	5867.5	2173.5	526.9	393.1	355.9
55°	5419.8	1397.9	441.4	373.5	332.8
57.5°	4936.3	886.4	389.6	362.2	347.5
60°	4383.5	597.7	344.8	343.3	311.8
62.5°	3872.0	491.2	332.8	329.3	295.0
65°	3330.4	412.0	329.3	309.7	288.0
67.5°	2789.4	353.2	297.8	283.0	264.1
70°	2260.4	323.0	286.6	280.3	240.3
72.5°	1716.7	266.2	254.4	237.5	199.7
75°	1278.7	259.9	247.3	215.1	196.9
77.5°	865.4	239.6	224.9	192.7	178.0
80°	538.8	220.0	192.7	168.9	150.6
82.5°	320.2	183.6	158.4	139.5	127.5
85°	180.1	141.6	121.2	111.4	110.7
87.5°	38.5	51.1	40.6	38.5	27.3
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)