

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: P730472

Luminaire Tested: **HBLED-LD5-15SE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-AI-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14132.0 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

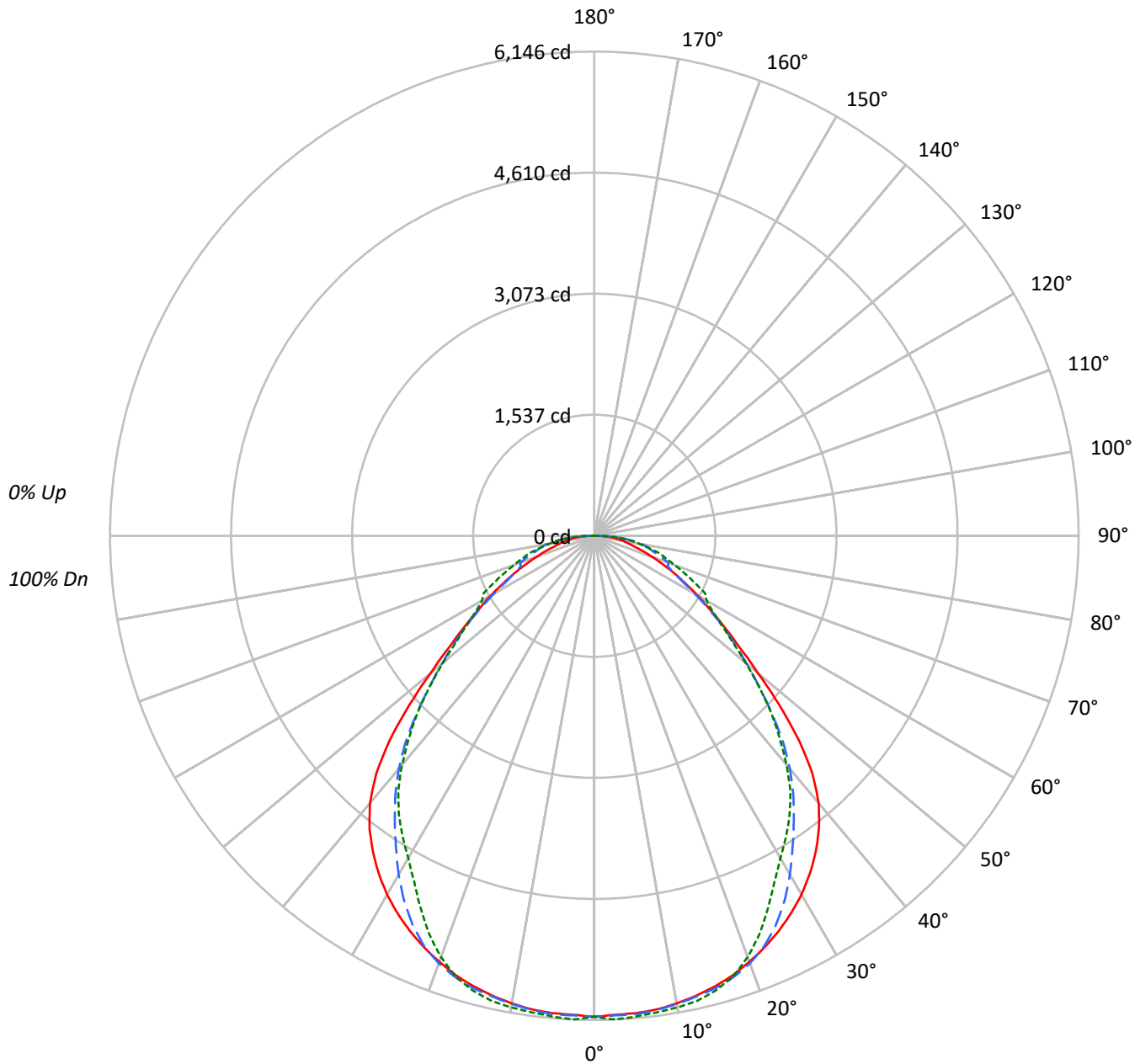
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81
3	92	82	75	69	90	81	74	68	78	72	67		75	70	66		73
4	85	74	66	59	83	73	65	59	70	64	58		68	62	57		66
5	79	67	58	52	77	66	58	52	64	57	51		62	55	51		60
6	73	61	52	46	71	60	52	46	58	51	45		56	50	45		55
7	68	55	47	41	66	54	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		48	41	36		46
9	60	47	39	34	58	46	39	33	45	38	33		44	38	33		43
10	56	43	36	31	55	43	35	31	42	35	30		41	35	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9858	9858	9858
5°	9857	9879	9927
10°	9882	9894	9967
15°	9897	9934	9982
20°	9887	9924	9776
25°	9862	9714	9292
30°	9804	9256	8805
35°	9656	8700	8518
40°	9333	8134	8000
45°	8389	7263	7236
50°	6804	6327	6283
55°	5650	5545	5543
60°	4892	4749	5309
65°	4240	4213	5351
70°	3655	4726	5101
75°	3278	4843	5318
80°	3407	5702	5335
85°	3868	6571	6097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.3	4.1
10°-20°	1678.9	11.9
20°-30°	2493.5	17.6
30°-40°	2830.8	20.0
40°-50°	2530.7	17.9
50°-60°	1749.7	12.4
60°-70°	1154.5	8.2
70°-80°	778.9	5.5
80°-90°	333.6	2.4
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°	4753.7	33.6
0°-40°	7584.6	53.7
0°-60°	11864.9	84.0
0°-90°	14132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6106	6106	6106	6106	6106	
5°	6082	6119	6095	6120	6125	579
15°	5921	5949	5943	5976	5972	1671
25°	5536	5588	5453	5290	5216	2551
35°	4899	4796	4414	4349	4322	3055
45°	3674	3363	3181	3205	3169	2794
55°	2007	1832	1970	1942	1969	1823
65°	1110	985	1103	1289	1401	1107
75°	525	661	776	830	852	574
85°	209	290	355	357	329	218
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6105.5	6105.5	6105.5	6105.5	6105.5
2.5°	6084.7	6122.8	6094.4	6120.7	6146.2
5°	6081.9	6119.3	6095.1	6120.0	6124.8
7.5°	6064.7	6099.2	6070.9	6095.1	6100.6
10°	6027.3	6068.1	6034.9	6072.3	6079.2
12.5°	5979.0	6020.4	5991.4	6042.5	6045.3
15°	5920.9	5949.2	5943.0	5976.1	5972.0
17.5°	5847.6	5880.1	5875.2	5883.5	5864.2
20°	5754.2	5790.9	5775.7	5737.6	5689.9
22.5°	5654.0	5698.2	5638.1	5542.0	5474.9
25°	5535.7	5588.3	5452.8	5290.4	5215.7
27.5°	5405.1	5452.1	5226.7	5027.6	4950.2
30°	5258.5	5278.6	4964.7	4775.3	4722.7
32.5°	5089.1	5060.1	4684.7	4559.5	4529.1
35°	4899.0	4796.0	4413.7	4349.4	4321.7
37.5°	4684.7	4496.0	4146.2	4116.4	4087.3
40°	4428.2	4149.6	3859.2	3839.9	3795.6
42.5°	4097.1	3772.8	3540.5	3517.7	3478.2
45°	3673.9	3362.8	3181.0	3205.2	3169.2
47.5°	3187.2	2951.5	2836.0	2902.4	2836.0
50°	2708.7	2550.5	2518.7	2578.8	2501.4
52.5°	2316.8	2174.4	2240.1	2250.4	2204.1
55°	2007.0	1832.1	1969.7	1942.0	1969.0
57.5°	1737.4	1541.7	1711.1	1679.3	1772.0
60°	1514.8	1294.9	1470.6	1463.6	1644.0
62.5°	1296.3	1120.7	1261.7	1363.4	1585.3
65°	1109.7	985.2	1102.7	1289.4	1400.7
67.5°	930.6	883.5	1008.7	1112.4	1234.1
70°	774.3	798.5	1001.1	981.7	1080.6
72.5°	643.0	725.3	883.5	887.0	956.9
75°	525.4	661.0	776.4	829.7	852.5
77.5°	436.9	599.4	701.1	719.7	697.6
80°	366.4	528.2	613.2	605.0	573.8
82.5°	295.9	400.3	483.3	490.9	454.2
85°	208.8	290.4	354.7	356.8	329.1
87.5°	112.0	179.1	215.0	221.2	204.6
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)