

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: P730484

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730484
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-L735
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: 14212.0 lumens
Efficiency: N/A
Efficacy: 151.2 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

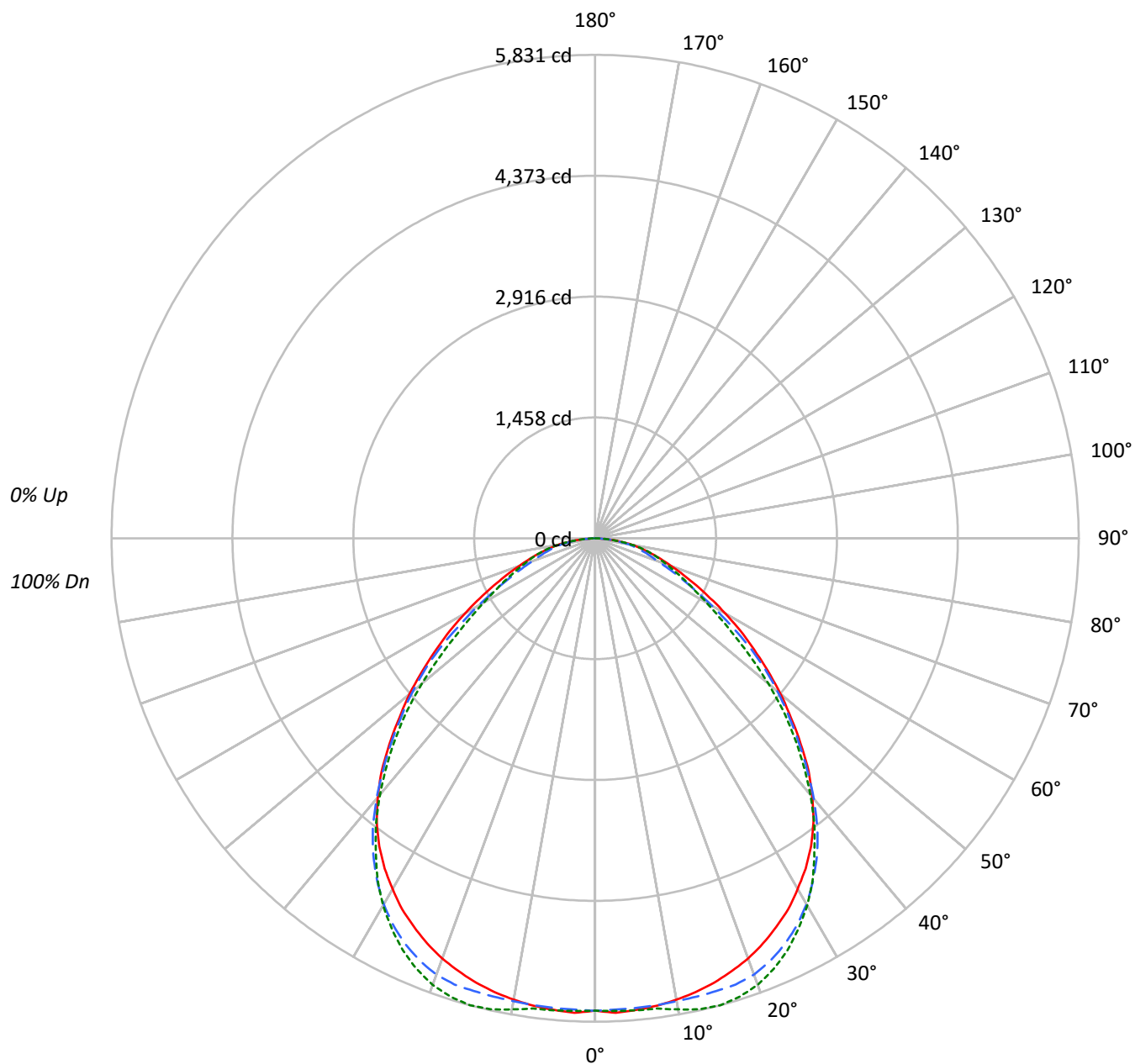
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	93	87	82	98	91	86	81		88	83	79		85	81	77		82	78	75
3	92	83	75	69	90	81	74	68		78	72	67		76	70	66		73	69	65
4	85	74	66	59	83	73	65	59		70	64	58		68	62	57		66	61	57
5	79	67	58	52	77	65	57	52		63	56	51		61	55	50		60	54	50
6	73	60	52	46	71	59	51	45		58	50	45		56	50	45		54	49	44
7	68	55	46	41	66	54	46	40		53	45	40		51	45	40		50	44	40
8	63	50	42	36	62	50	42	36		48	41	36		47	41	36		46	40	36
9	59	46	38	33	58	46	38	33		45	38	33		43	37	33		42	37	32
10	56	43	35	30	54	42	35	30		41	34	30		40	34	30		39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9201	9201	9201
5°	9255	9217	9262
10°	9263	9295	9461
15°	9275	9449	9747
20°	9269	9622	9847
25°	9212	9631	9772
30°	9106	9503	9534
35°	8943	9196	9085
40°	8591	8643	8507
45°	8005	7921	7760
50°	7329	7211	6841
55°	6583	6339	5784
60°	5838	5245	4993
65°	5144	4358	4531
70°	4600	3782	4316
75°	4309	3677	4365
80°	4195	3717	4154
85°	3349	2942	3049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.8	3.8
10°-20°	1599.0	11.3
20°-30°	2459.9	17.3
30°-40°	2870.8	20.2
40°-50°	2667.7	18.8
50°-60°	1977.4	13.9
60°-70°	1208.8	8.5
70°-80°	688.5	4.8
80°-90°	196.9	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°	4601.7	32.4
0°-40°	7472.5	52.6
0°-60°	12117.7	85.3
0°-90°	14212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5699	5699	5699	5699	5699	
5°	5710	5684	5687	5682	5715	543
15°	5549	5546	5653	5765	5831	1566
25°	5171	5211	5406	5452	5485	2382
35°	4537	4573	4665	4627	4609	2827
45°	3506	3526	3469	3414	3398	2701
55°	2338	2280	2252	2092	2055	2099
65°	1346	1223	1141	1172	1186	1347
75°	691	648	589	672	700	739
85°	181	176	159	165	165	208
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5698.6	5698.6	5698.6	5698.6	5698.6
2.5°	5729.5	5697.1	5691.2	5678.0	5707.4
5°	5710.4	5683.9	5686.8	5682.5	5714.8
7.5°	5688.3	5669.2	5681.0	5679.5	5722.1
10°	5650.1	5639.8	5669.2	5701.5	5770.6
12.5°	5607.5	5597.2	5661.9	5744.1	5819.1
15°	5548.7	5545.7	5653.0	5764.7	5830.9
17.5°	5475.2	5479.6	5642.7	5738.3	5797.1
20°	5394.3	5401.7	5600.1	5678.0	5731.0
22.5°	5290.0	5315.0	5517.8	5582.5	5623.6
25°	5170.9	5210.6	5406.1	5451.7	5485.4
27.5°	5043.1	5082.7	5267.9	5291.4	5310.6
30°	4884.3	4940.1	5097.4	5100.4	5113.6
32.5°	4722.6	4772.6	4893.1	4879.9	4882.8
35°	4537.4	4572.7	4665.3	4627.1	4609.4
37.5°	4324.3	4343.4	4402.2	4344.9	4341.9
40°	4075.9	4100.9	4100.9	4021.5	4036.2
42.5°	3811.3	3820.1	3783.4	3708.4	3720.2
45°	3505.6	3526.1	3468.8	3414.5	3398.3
47.5°	3202.8	3223.4	3163.1	3099.9	3072.0
50°	2917.7	2907.3	2870.6	2763.3	2723.6
52.5°	2622.2	2589.9	2575.2	2417.9	2372.3
55°	2338.5	2279.7	2251.8	2091.6	2054.8
57.5°	2075.4	1969.6	1916.7	1791.8	1777.0
60°	1807.9	1688.9	1624.2	1543.3	1546.3
62.5°	1565.4	1440.4	1362.6	1339.1	1349.3
65°	1346.4	1222.9	1140.6	1171.5	1186.1
67.5°	1148.0	1046.5	953.9	1025.9	1040.6
70°	974.5	893.7	801.1	906.9	914.3
72.5°	830.4	764.3	686.4	786.3	802.5
75°	690.8	648.2	589.4	671.7	699.7
77.5°	568.8	535.1	501.2	551.2	582.1
80°	451.2	417.5	399.8	426.2	446.8
82.5°	319.0	296.9	279.3	298.4	308.7
85°	180.8	176.4	158.8	164.6	164.6
87.5°	41.2	47.0	52.9	48.5	41.2
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)