

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: P730370

Luminaire Tested: **HBLED-LD5-15HE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CL-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14620.0 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

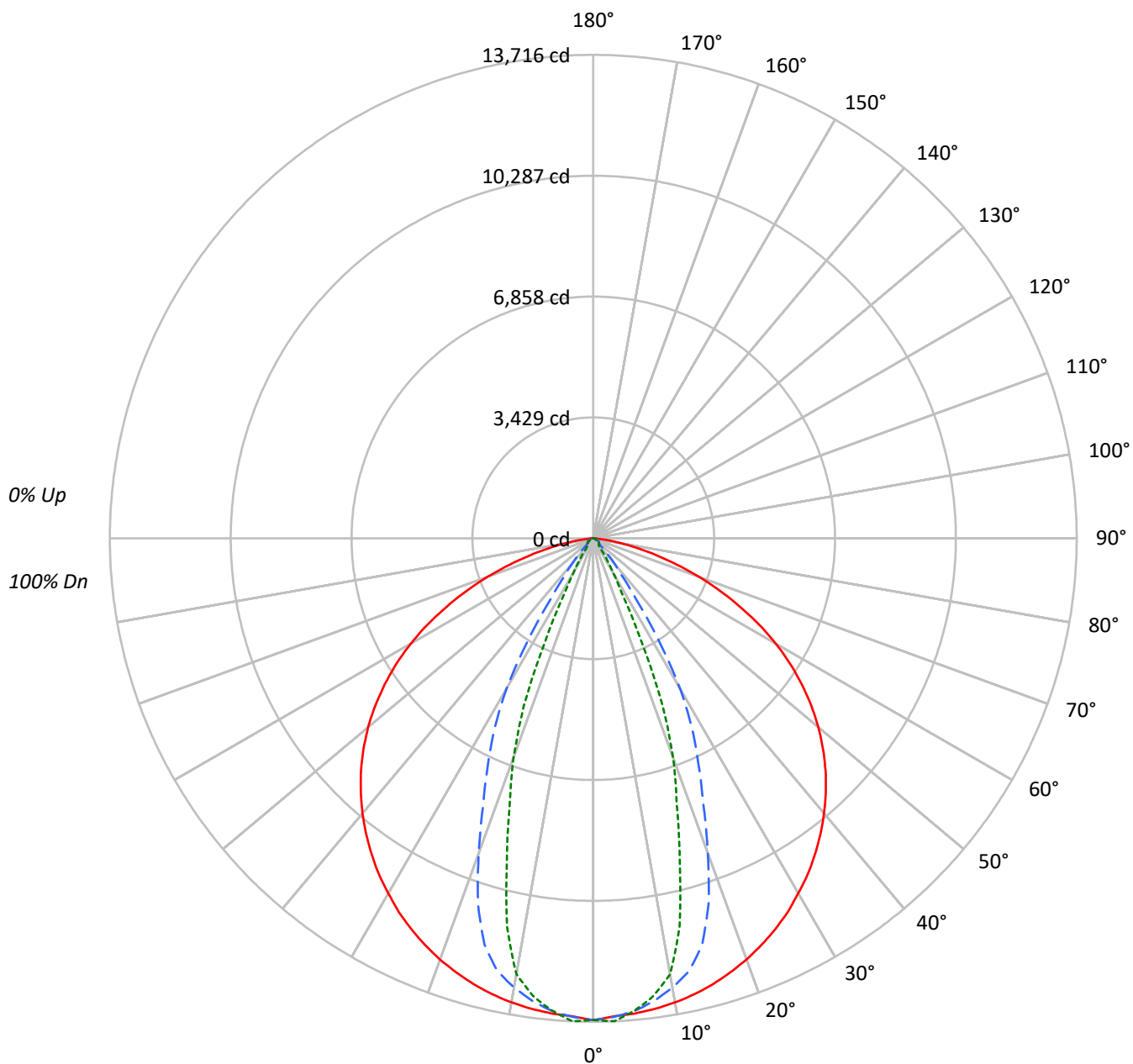
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22072	22072	22072
5°	21936	21821	21805
10°	21921	21218	20592
15°	21896	19953	15833
20°	21854	16328	11357
25°	21785	12580	5771
30°	21682	9181	2100
35°	21604	4216	731
40°	21472	1914	504
45°	21281	714	511
50°	20941	518	538
55°	20321	546	410
60°	19311	583	361
65°	17513	444	294
70°	15015	320	271
75°	11477	284	258
80°	7181	267	280
85°	2267	311	376



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1272.7	8.7
10°-20°	3206.0	21.9
20°-30°	3491.4	23.9
30°-40°	2611.8	17.9
40°-50°	1877.9	12.8
50°-60°	1153.3	7.9
60°-70°	663.7	4.5
70°-80°	296.2	2.0
80°-90°	47.0	0.3
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°	7970.1	54.5
0°-40°	10581.9	72.4
0°-60°	13613.2	93.1
0°-90°	14620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13670	13670	13670	13670	13670	
5°	13534	13598	13464	13476	13454	###
15°	13099	12848	11937	10252	9472	3698
25°	12228	11351	7062	4531	3240	5637
35°	10961	7861	2139	629	371	6856
45°	9320	4417	313	232	224	7180
55°	7219	918	194	188	146	6436
65°	4584	101	116	96	77	4538
75°	1840	61	46	47	41	1996
85°	122	12	17	22	20	244
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13670.1	13670.1	13670.1	13670.1	13670.1
2.5°	13575.0	13663.8	13588.9	13656.1	13715.5
5°	13534.4	13598.0	13463.7	13476.3	13453.9
7.5°	13464.4	13479.8	13237.1	13143.3	13097.9
10°	13370.7	13329.4	12941.9	12718.8	12560.0
12.5°	13252.5	13116.1	12574.6	11777.9	11302.9
15°	13099.3	12848.1	11936.7	10251.5	9472.2
17.5°	12916.7	12568.3	10880.4	8543.9	7869.6
20°	12718.8	12259.1	9503.0	7264.6	6609.8
22.5°	12485.1	11863.9	8144.5	6041.8	5142.9
25°	12228.4	11351.2	7061.7	4530.8	3239.5
27.5°	11951.4	10674.7	6059.2	2778.5	1751.6
30°	11629.6	9851.4	4924.6	1559.3	1126.2
32.5°	11315.5	8891.7	3517.9	1038.8	719.8
35°	10960.8	7861.3	2139.1	628.9	370.7
37.5°	10585.2	6924.6	1338.9	342.0	256.0
40°	10187.2	6036.2	908.0	242.8	239.3
42.5°	9761.8	5232.4	568.7	230.8	238.5
45°	9319.8	4416.8	312.7	231.6	223.9
47.5°	8839.9	3531.2	218.3	218.9	218.3
50°	8336.9	2533.0	206.4	216.2	214.1
52.5°	7794.8	1572.6	207.1	211.2	189.6
55°	7219.1	917.7	193.8	187.5	145.5
57.5°	6614.0	572.2	189.6	154.6	130.8
60°	5980.2	302.2	180.5	139.2	111.9
62.5°	5305.2	149.0	144.8	118.9	91.7
65°	4584.0	100.8	116.2	96.5	76.9
67.5°	3887.2	90.9	87.5	79.0	67.2
70°	3180.7	83.2	67.8	69.2	57.4
72.5°	2487.5	75.5	54.5	59.5	48.3
75°	1839.7	60.9	45.5	46.8	41.3
77.5°	1280.1	47.6	35.7	39.9	38.5
80°	772.3	30.1	28.7	32.9	30.1
82.5°	374.2	19.6	22.4	25.8	23.8
85°	122.4	11.9	16.8	21.7	20.3
87.5°	15.4	7.0	14.0	18.9	17.5
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)