

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: P730445

Luminaire Tested: **HBLED-LD5-15SE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730445
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-LD5-15SE-N-CL-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13816.0 lumens
Efficiency: N/A
Efficacy: 147.0 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

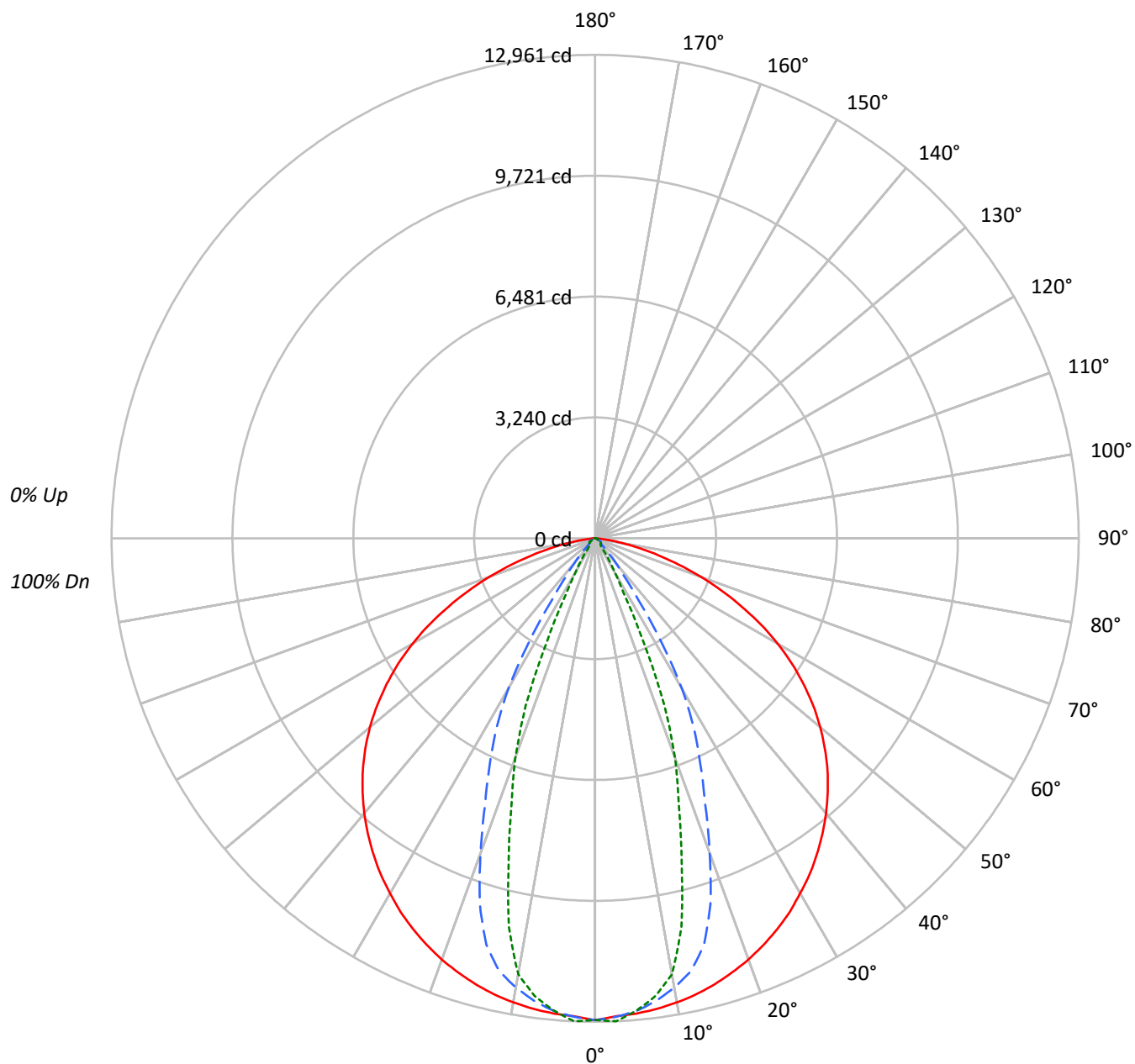
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	20858	20858	20858
5°	20730	20621	20606
10°	20716	20051	19459
15°	20692	18855	14962
20°	20652	15430	10732
25°	20587	11889	5454
30°	20489	8676	1984
35°	20416	3984	690
40°	20291	1808	477
45°	20110	675	483
50°	19790	490	508
55°	19204	515	387
60°	18249	551	341
65°	16550	419	278
70°	14190	303	256
75°	10846	268	243
80°	6786	252	264
85°	2143	295	356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1202.7	8.7
10°-20°	3029.7	21.9
20°-30°	3299.4	23.9
30°-40°	2468.1	17.9
40°-50°	1774.7	12.8
50°-60°	1089.9	7.9
60°-70°	627.2	4.5
70°-80°	279.9	2.0
80°-90°	44.4	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°	7531.8	54.5
0°-40°	10000.0	72.4
0°-60°	12864.5	93.1
0°-90°	13816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12918	12918	12918	12918	12918	
5°	12790	12850	12723	12735	12714	###
15°	12379	12142	11280	9688	8951	3494
25°	11556	10727	6673	4282	3061	5327
35°	10358	7429	2022	594	350	6479
45°	8807	4174	296	219	212	6785
55°	6822	867	183	177	138	6082
65°	4332	95	110	91	73	4288
75°	1739	58	43	44	39	1887
85°	116	11	16	20	19	231
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12918.3	12918.3	12918.3	12918.3	12918.3
2.5°	12828.4	12912.4	12841.6	12905.1	12961.3
5°	12790.1	12850.2	12723.3	12735.2	12714.1
7.5°	12724.0	12738.5	12509.1	12420.6	12377.6
10°	12635.4	12596.4	12230.2	12019.3	11869.2
12.5°	12523.7	12394.8	11883.1	11130.2	10681.3
15°	12378.9	12141.6	11280.2	9687.8	8951.3
17.5°	12206.4	11877.2	10282.0	8074.1	7436.9
20°	12019.3	11585.0	8980.4	6865.1	6246.3
22.5°	11798.5	11211.5	7696.6	5709.5	4860.1
25°	11555.9	10726.9	6673.4	4281.7	3061.4
27.5°	11294.1	10087.7	5726.0	2625.7	1655.3
30°	10990.0	9309.6	4653.8	1473.5	1064.3
32.5°	10693.2	8402.7	3324.5	981.6	680.2
35°	10358.0	7429.0	2021.5	594.3	350.3
37.5°	10003.0	6543.8	1265.3	323.2	241.9
40°	9626.9	5704.2	858.0	229.4	226.1
42.5°	9225.0	4944.7	537.4	218.1	225.4
45°	8807.2	4173.9	295.5	218.8	211.6
47.5°	8353.8	3337.0	206.3	206.9	206.3
50°	7878.5	2393.7	195.0	204.3	202.3
52.5°	7366.1	1486.1	195.7	199.6	179.2
55°	6822.1	867.3	183.1	177.2	137.5
57.5°	6250.2	540.7	179.2	146.1	123.6
60°	5651.3	285.6	170.5	131.6	105.7
62.5°	5013.4	140.8	136.8	112.4	86.6
65°	4331.9	95.2	109.8	91.2	72.7
67.5°	3673.5	85.9	82.7	74.7	63.5
70°	3005.8	78.6	64.1	65.4	54.2
72.5°	2350.7	71.4	51.5	56.2	45.6
75°	1738.6	57.5	43.0	44.3	39.0
77.5°	1209.7	45.0	33.7	37.7	36.4
80°	729.8	28.4	27.1	31.1	28.4
82.5°	353.7	18.5	21.2	24.4	22.5
85°	115.7	11.2	15.9	20.5	19.2
87.5°	14.5	6.6	13.2	17.9	16.5
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)