

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: P730454

Luminaire Tested: **HBLED-LD5-15SE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CLI-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14276.0 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

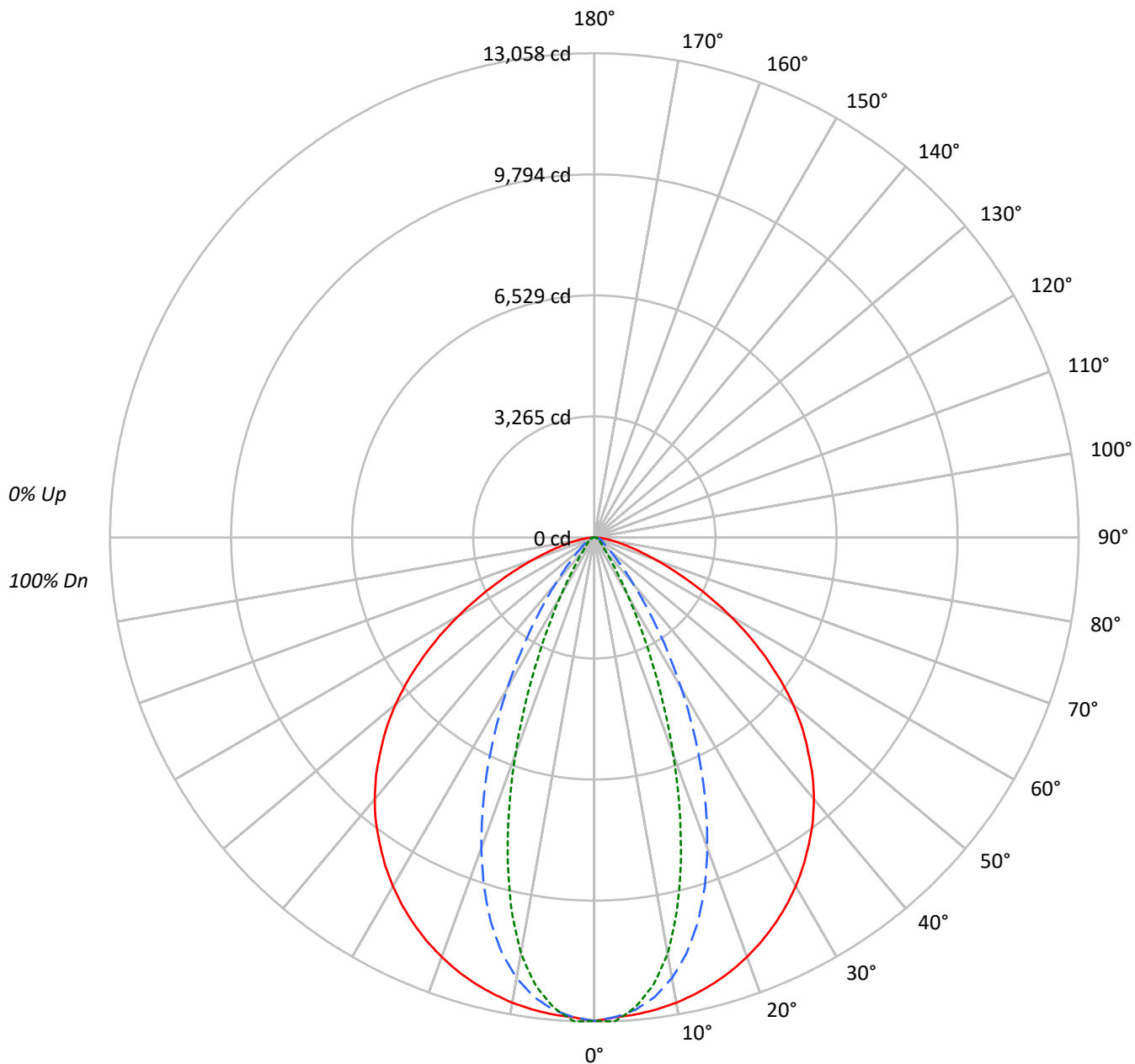
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21054	21054	21054
5°	20928	20720	20610
10°	20893	19781	18666
15°	20809	17981	15075
20°	20684	15300	10685
25°	20499	12064	6456
30°	20250	8707	3318
35°	19884	5693	1657
40°	19412	3419	967
45°	18606	2042	723
50°	17549	1335	607
55°	15883	1013	530
60°	13649	863	483
65°	10979	787	457
70°	8271	843	454
75°	6084	802	467
80°	4451	798	511
85°	3335	967	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1200.9	8.4
10°-20°	2987.6	20.9
20°-30°	3309.3	23.2
30°-40°	2651.3	18.6
40°-50°	1892.7	13.3
50°-60°	1215.7	8.5
60°-70°	658.8	4.6
70°-80°	281.6	2.0
80°-90°	78.1	0.5
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°	7497.8	52.5
0°-40°	10149.1	71.1
0°-60°	13257.5	92.9
0°-90°	14276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13040	13040	13040	13040	13040	
5°	12912	12960	12784	12743	12717	###
15°	12449	12059	10757	9506	9019	3512
25°	11506	10146	6772	4412	3624	5301
35°	10088	7297	2888	1165	841	6308
45°	8148	4212	894	380	317	6281
55°	5642	1883	360	221	188	5028
65°	2874	773	206	142	120	2878
75°	975	283	128	89	75	1084
85°	180	75	52	43	36	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13040.1	13040.1	13040.1	13040.1	13040.1
2.5°	12954.2	13035.3	12948.0	13002.3	13057.9
5°	12912.3	12960.5	12783.9	12743.3	12716.6
7.5°	12839.5	12825.8	12494.1	12279.1	12175.3
10°	12743.3	12632.1	12065.5	11593.0	11385.5
12.5°	12606.0	12376.6	11485.1	10655.4	10303.8
15°	12448.7	12059.3	10757.1	9506.4	9018.7
17.5°	12260.5	11688.4	9886.8	8274.2	7630.6
20°	12038.0	11240.6	8904.7	6965.1	6218.5
22.5°	11789.4	10724.1	7853.2	5660.1	4859.3
25°	11506.4	10145.8	6772.1	4412.2	3623.7
27.5°	11200.8	9503.7	5697.2	3296.8	2577.6
30°	10861.5	8808.6	4670.4	2377.1	1779.6
32.5°	10491.3	8069.5	3716.5	1671.7	1217.1
35°	10088.1	7296.9	2888.1	1164.8	840.7
37.5°	9675.3	6508.4	2181.4	823.5	603.0
40°	9210.3	5722.6	1622.3	603.0	458.8
42.5°	8711.0	4952.0	1200.6	464.3	371.6
45°	8148.5	4212.3	894.3	380.5	316.7
47.5°	7603.2	3522.8	679.3	324.2	275.4
50°	6986.4	2900.5	531.6	283.0	241.7
52.5°	6331.9	2353.1	431.3	249.3	212.9
55°	5642.3	1883.3	359.9	221.1	188.2
57.5°	4943.8	1491.8	307.7	197.1	167.6
60°	4226.7	1193.0	267.2	176.5	149.7
62.5°	3526.9	954.0	233.5	158.7	133.9
65°	2873.7	773.3	206.0	142.2	119.5
67.5°	2269.9	611.3	192.3	127.7	107.9
70°	1752.1	476.0	178.6	114.0	96.2
72.5°	1327.6	365.4	158.0	101.7	85.2
75°	975.3	283.0	128.5	89.3	74.8
77.5°	697.8	217.8	104.4	77.6	64.6
80°	478.7	162.1	85.8	66.6	55.0
82.5°	311.2	114.7	69.4	55.0	45.3
85°	180.0	74.8	52.2	43.3	35.7
87.5°	77.6	41.2	35.7	32.3	27.5
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)