

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: P730466

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-A-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14084.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

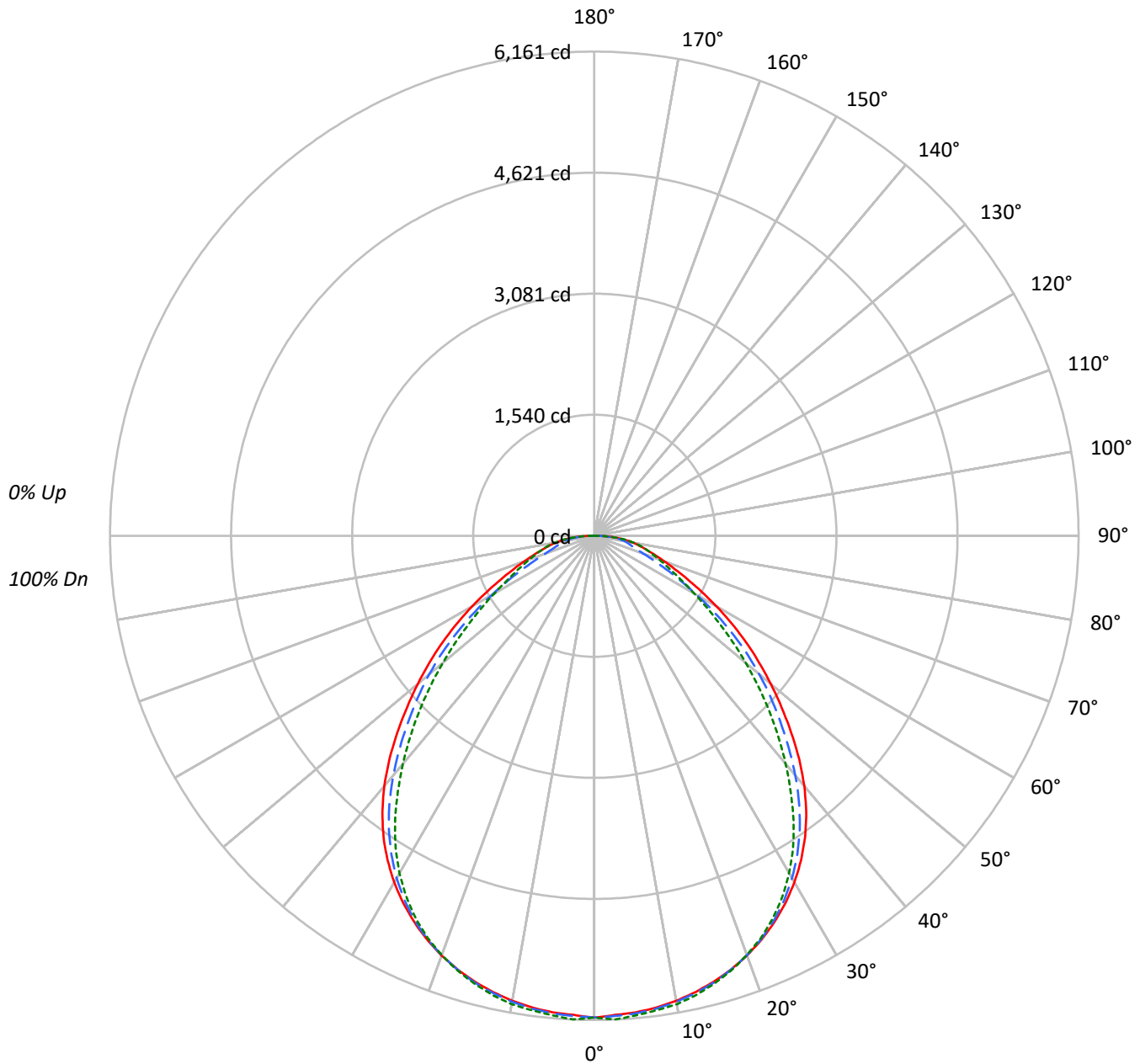
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9899	9899	9899
5°	9864	9886	9927
10°	9850	9873	9923
15°	9817	9837	9860
20°	9766	9759	9752
25°	9660	9627	9572
30°	9493	9378	9241
35°	9217	8985	8709
40°	8759	8383	7980
45°	8091	7640	7177
50°	7355	6879	6313
55°	6614	5956	5458
60°	5787	4867	4736
65°	4990	3828	4274
70°	4449	3124	4119
75°	4262	3049	4304
80°	4610	3607	4796
85°	5176	4342	5226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.1	4.1
10°-20°	1663.0	11.8
20°-30°	2487.6	17.7
30°-40°	2838.2	20.2
40°-50°	2583.5	18.3
50°-60°	1897.1	13.5
60°-70°	1120.1	8.0
70°-80°	641.9	4.6
80°-90°	271.4	1.9
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°	4731.7	33.6
0°-40°	7569.9	53.7
0°-60°	12050.5	85.6
0°-90°	14084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6131	6131	6131	6131	6131	
5°	6086	6124	6100	6124	6125	579
15°	5873	5906	5885	5906	5899	1657
25°	5422	5442	5404	5402	5373	2496
35°	4676	4653	4559	4481	4418	2913
45°	3544	3523	3346	3196	3143	2731
55°	2350	2241	2116	1962	1939	2101
65°	1306	1140	1002	1072	1119	1314
75°	683	586	489	638	690	736
85°	279	258	234	277	282	292
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6131.0	6131.0	6131.0	6131.0	6131.0
2.5°	6102.6	6137.9	6115.8	6140.0	6160.7
5°	6086.1	6124.1	6099.9	6124.1	6124.8
7.5°	6055.7	6090.9	6067.4	6093.7	6090.9
10°	6007.9	6043.2	6021.8	6050.1	6052.2
12.5°	5947.1	5980.9	5958.9	5991.4	5985.8
15°	5873.1	5905.6	5884.8	5905.6	5898.7
17.5°	5786.0	5815.7	5788.8	5811.6	5799.8
20°	5683.6	5708.5	5679.5	5700.9	5675.4
22.5°	5561.3	5583.4	5553.0	5564.7	5538.4
25°	5422.3	5441.6	5403.6	5401.5	5373.2
27.5°	5267.4	5277.8	5229.4	5212.7	5180.3
30°	5091.8	5094.5	5030.2	4999.1	4956.9
32.5°	4894.7	4887.8	4805.5	4759.2	4707.3
35°	4676.2	4653.4	4558.7	4480.6	4418.3
37.5°	4429.4	4393.4	4280.0	4164.6	4105.1
40°	4155.6	4113.4	3977.2	3834.0	3786.3
42.5°	3857.6	3821.6	3661.2	3511.8	3464.8
45°	3543.6	3522.9	3345.9	3195.8	3143.3
47.5°	3229.7	3214.5	3041.7	2888.8	2825.2
50°	2928.3	2895.0	2738.8	2571.4	2513.4
52.5°	2635.8	2568.0	2430.4	2258.9	2216.1
55°	2349.5	2241.0	2115.8	1962.3	1938.8
57.5°	2066.0	1925.7	1804.0	1689.2	1688.5
60°	1792.2	1631.8	1507.3	1447.2	1466.6
62.5°	1535.7	1371.1	1236.3	1240.4	1275.7
65°	1306.1	1140.2	1001.9	1071.7	1118.8
67.5°	1109.1	950.7	810.4	940.4	985.3
70°	942.4	799.3	661.7	824.2	872.6
72.5°	802.1	681.8	558.0	727.4	776.5
75°	683.2	585.6	488.8	637.5	690.0
77.5°	586.4	499.9	438.4	551.7	606.4
80°	495.8	419.7	387.9	468.8	515.8
82.5°	392.7	340.2	321.5	381.0	405.2
85°	279.4	257.9	234.4	276.6	282.1
87.5°	153.5	159.0	131.3	159.0	159.7
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)