

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: P730637

Luminaire Tested: **HBLED-LD5-18SE-W-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18SE-W-CLI-UNV-L835
Description: 18000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16915.0 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

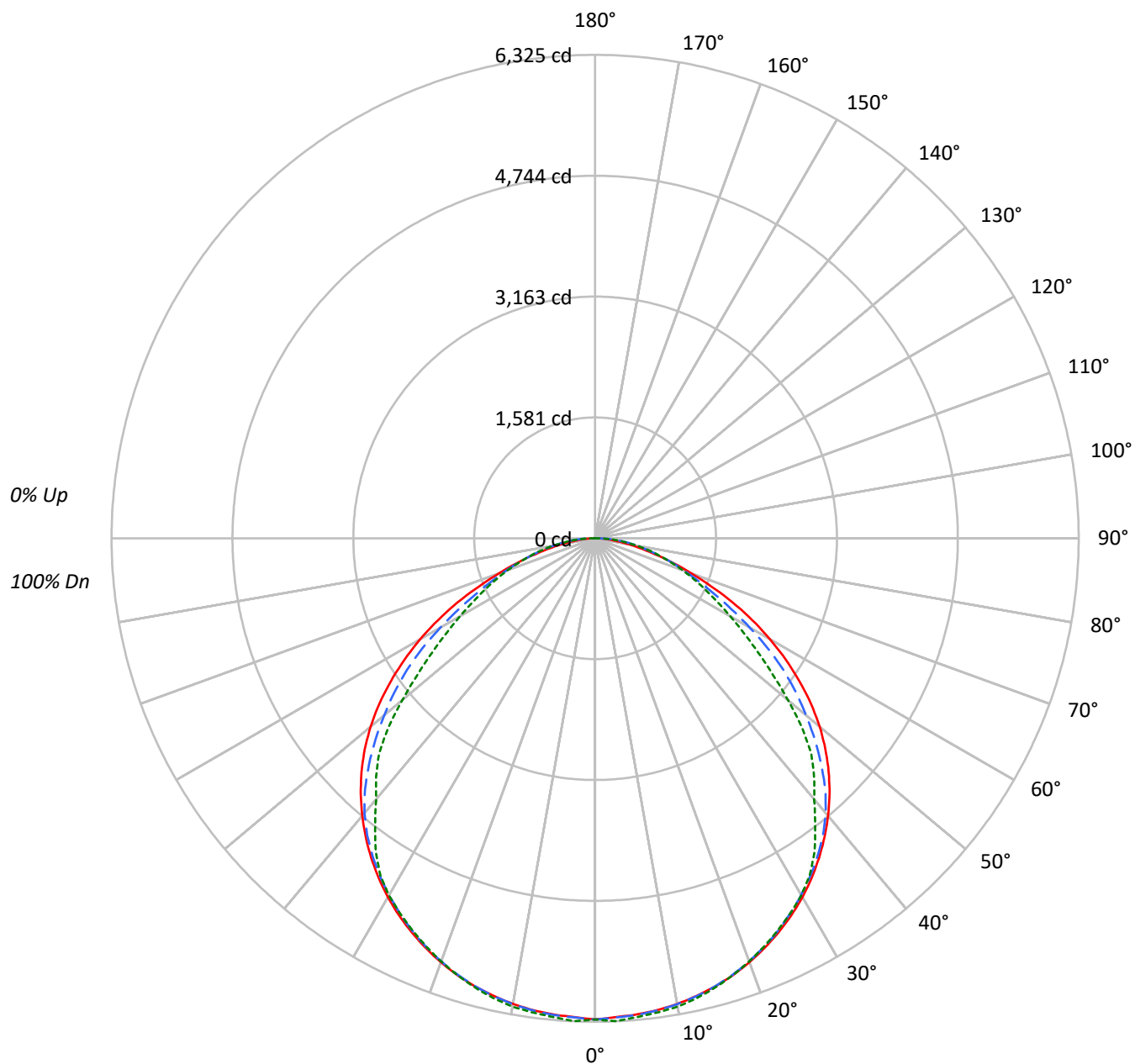
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10165	10165	10165
5°	10138	10145	10191
10°	10144	10148	10202
15°	10145	10144	10167
20°	10142	10119	10121
25°	10127	10089	10077
30°	10110	10050	10055
35°	10063	10001	9859
40°	9991	9890	9391
45°	9865	9549	9131
50°	9627	9040	8270
55°	9189	8455	7312
60°	8528	7544	6595
65°	7580	6531	6064
70°	6290	5837	5716
75°	5087	5342	5408
80°	4041	5109	5088
85°	3164	5489	5235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.1	3.5
10°-20°	1717.4	10.2
20°-30°	2618.7	15.5
30°-40°	3168.3	18.7
40°-50°	3209.2	19.0
50°-60°	2652.5	15.7
60°-70°	1751.9	10.4
70°-80°	913.5	5.4
80°-90°	286.4	1.7
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°	4933.2	29.2
0°-40°	8101.5	47.9
0°-60°	13963.2	82.5
0°-90°	16915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6296	6296	6296	6296	6296	
5°	6255	6293	6260	6287	6288	595
15°	6069	6100	6068	6087	6083	1714
25°	5684	5707	5663	5678	5656	2621
35°	5105	5112	5074	5067	5002	3193
45°	4320	4309	4182	4052	3999	3327
55°	3264	3216	3004	2712	2598	2909
65°	1984	1926	1710	1598	1587	1960
75°	816	830	856	868	867	888
85°	171	220	296	294	283	207
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6295.8	6295.8	6295.8	6295.8	6295.8
2.5°	6269.4	6306.4	6275.4	6302.6	6324.6
5°	6255.0	6292.9	6259.6	6286.8	6287.6
7.5°	6227.1	6264.9	6230.8	6258.1	6257.3
10°	6187.0	6222.6	6190.0	6222.6	6222.6
12.5°	6132.6	6167.4	6135.7	6165.8	6161.3
15°	6069.2	6100.1	6068.4	6087.3	6082.7
17.5°	5994.3	6022.3	5986.7	6002.6	5993.5
20°	5902.8	5928.6	5889.3	5909.7	5890.7
22.5°	5800.0	5824.2	5784.2	5799.3	5778.1
25°	5684.4	5707.1	5663.3	5677.6	5656.5
27.5°	5559.7	5580.1	5531.0	5548.4	5531.7
30°	5422.9	5432.7	5390.4	5413.1	5393.5
32.5°	5270.2	5276.3	5239.2	5259.6	5226.4
35°	5105.4	5112.3	5073.7	5066.9	5001.9
37.5°	4929.4	4932.4	4896.1	4834.9	4727.6
40°	4740.4	4738.9	4692.1	4550.7	4455.5
42.5°	4538.6	4537.9	4455.5	4294.5	4240.1
45°	4320.2	4308.9	4181.8	4051.9	3998.9
47.5°	4085.9	4073.8	3896.2	3792.7	3672.5
50°	3832.7	3811.5	3599.1	3457.8	3292.3
52.5°	3559.8	3527.3	3311.2	3082.9	2926.5
55°	3264.3	3215.9	3003.6	2711.9	2597.7
57.5°	2956.7	2884.9	2678.6	2394.4	2301.4
60°	2640.8	2560.6	2336.2	2102.7	2042.2
62.5°	2315.8	2236.5	2007.4	1831.3	1798.0
65°	1984.0	1926.5	1709.6	1598.5	1587.2
67.5°	1643.9	1623.5	1457.9	1401.3	1396.7
70°	1332.5	1328.7	1236.5	1207.7	1210.8
72.5°	1065.0	1060.4	1046.8	1032.4	1033.2
75°	815.5	829.9	856.3	867.6	866.9
77.5°	608.4	637.9	693.8	716.5	712.7
80°	434.6	478.4	549.5	570.7	547.2
82.5°	289.5	335.6	419.4	422.5	403.6
85°	170.8	219.9	296.3	294.0	282.6
87.5°	84.6	132.3	177.6	170.0	162.5
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)