

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: P730907

Luminaire Tested: **HBLED-LD5-30SE-W-AI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-AI-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26880.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

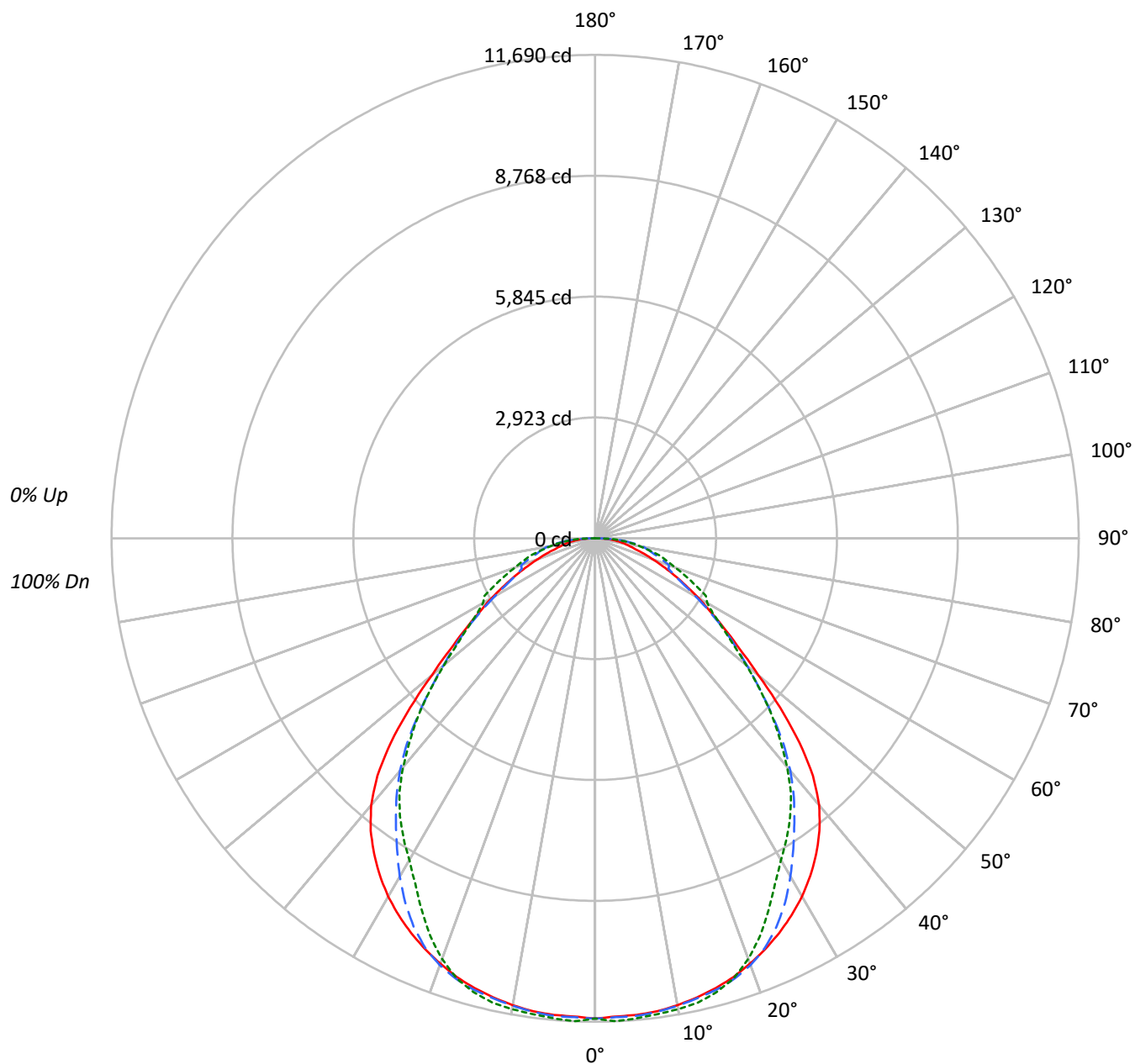
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730907

CATALOG NUMBER: HBLED-LD5-30SE-W-AI-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P730907

CATALOG NUMBER: HBLED-LD5-30SE-W-AI-UNV-L835

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	103	99	96	98	95	93	95	92	90	91	89	87
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18750	18750	18750
5°	18749	18790	18881
10°	18796	18819	18957
15°	18825	18895	18987
20°	18806	18876	18596
25°	18758	18477	17673
30°	18648	17605	16747
35°	18367	16547	16202
40°	17753	15472	15216
45°	15956	13815	13764
50°	12942	12033	11951
55°	10746	10546	10543
60°	9304	9032	10098
65°	8063	8013	10179
70°	6953	8989	9703
75°	6235	9213	10115
80°	6481	10845	10148
85°	7356	12499	11595



TEST NUMBER: P730907

CATALOG NUMBER: HBLED-LD5-30SE-W-AI-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.7	4.1
10°-20°	3193.4	11.9
20°-30°	4742.8	17.6
30°-40°	5384.4	20.0
40°-50°	4813.5	17.9
50°-60°	3328.1	12.4
60°-70°	2196.0	8.2
70°-80°	1481.6	5.5
80°-90°	634.6	2.4
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°	9041.9	33.6
0°-40°	14426.4	53.7
0°-60°	22567.9	84.0
0°-90°	26880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11613	11613	11613	11613	11613	
5°	11568	11639	11593	11641	11650	###
15°	11262	11316	11304	11367	11359	3179
25°	10529	10629	10372	10063	9920	4852
35°	9318	9122	8395	8273	8220	5811
45°	6988	6396	6050	6096	6028	5314
55°	3818	3485	3747	3694	3745	3467
65°	2111	1874	2097	2452	2664	2106
75°	999	1257	1477	1578	1622	1091
85°	397	552	675	679	626	414
90°	0	0	0	0	0	



TEST NUMBER: P730907

CATALOG NUMBER: HBLED-LD5-30SE-W-AI-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11613.0	11613.0	11613.0	11613.0	11613.0
2.5°	11573.6	11645.9	11592.0	11641.9	11690.5
5°	11568.2	11639.3	11593.2	11640.6	11649.8
7.5°	11535.4	11601.1	11547.2	11593.2	11603.8
10°	11464.3	11542.0	11478.8	11549.8	11563.0
12.5°	11372.4	11451.3	11396.0	11493.3	11498.6
15°	11261.9	11315.8	11304.0	11367.0	11359.2
17.5°	11122.4	11184.3	11175.1	11190.8	11154.0
20°	10945.0	11014.6	10985.7	10913.4	10822.7
22.5°	10754.3	10838.4	10724.1	10541.3	10413.6
25°	10529.3	10629.3	10371.7	10062.6	9920.5
27.5°	10280.8	10370.3	9941.6	9562.9	9415.6
30°	10002.1	10040.2	9443.1	9082.8	8982.9
32.5°	9679.9	9624.7	8910.6	8672.6	8614.7
35°	9318.3	9122.3	8395.1	8272.8	8220.2
37.5°	8910.6	8551.7	7886.3	7829.7	7774.4
40°	8422.8	7892.7	7340.5	7303.7	7219.5
42.5°	7792.9	7176.1	6734.2	6690.8	6615.8
45°	6988.1	6396.2	6050.4	6096.5	6028.1
47.5°	6062.2	5613.9	5394.3	5520.5	5394.3
50°	5152.2	4851.2	4790.6	4905.1	4757.8
52.5°	4406.6	4135.8	4260.7	4280.4	4192.4
55°	3817.5	3484.8	3746.6	3693.9	3745.2
57.5°	3304.7	2932.5	3254.7	3194.2	3370.4
60°	2881.2	2463.1	2797.1	2783.9	3127.1
62.5°	2465.7	2131.7	2399.9	2593.2	3015.3
65°	2110.6	1873.9	2097.4	2452.5	2664.3
67.5°	1770.0	1680.6	1918.6	2115.8	2347.4
70°	1472.8	1518.8	1904.1	1867.3	2055.3
72.5°	1223.0	1379.5	1680.6	1687.2	1820.0
75°	999.4	1257.2	1476.8	1578.1	1621.5
77.5°	831.1	1140.1	1333.5	1369.0	1326.9
80°	697.0	1004.6	1166.4	1150.7	1091.4
82.5°	562.8	761.4	919.3	933.7	863.9
85°	397.1	552.4	674.7	678.6	625.9
87.5°	213.0	340.6	409.0	420.8	389.2
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)