

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: P730901

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730901
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-LD5-30SE-W-A-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26788.0 lumens
Efficiency: N/A
Efficacy: 141.0 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

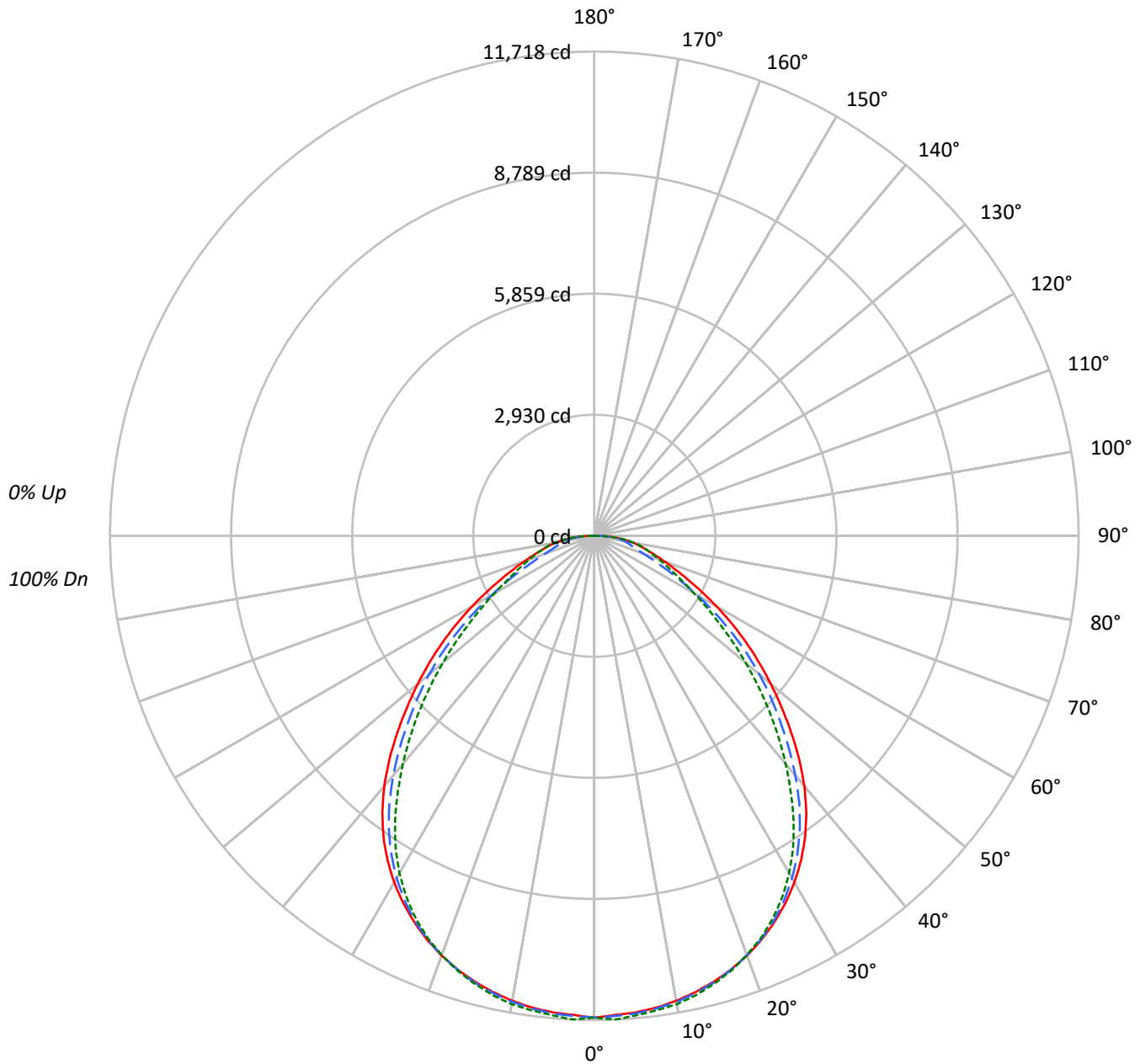
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18828	18828	18828
5°	18762	18804	18881
10°	18735	18778	18873
15°	18672	18710	18754
20°	18575	18561	18547
25°	18373	18310	18207
30°	18056	17837	17577
35°	17531	17090	16564
40°	16659	15944	15179
45°	15390	14531	13651
50°	13990	13085	12008
55°	12579	11328	10380
60°	11008	9258	9007
65°	9491	7280	8130
70°	8462	5942	7835
75°	8106	5800	8187
80°	8768	6860	9121
85°	9844	8260	9941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.2	4.1
10°-20°	3163.0	11.8
20°-30°	4731.5	17.7
30°-40°	5398.3	20.2
40°-50°	4914.0	18.3
50°-60°	3608.3	13.5
60°-70°	2130.5	8.0
70°-80°	1221.0	4.6
80°-90°	516.2	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°	8999.7	33.6
0°-40°	14398.1	53.7
0°-60°	22920.3	85.6
0°-90°	26788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11661	11661	11661	11661	11661	
5°	11576	11648	11602	11648	11649	###
15°	11171	11232	11193	11232	11219	3152
25°	10313	10350	10278	10274	10220	4747
35°	8894	8851	8671	8522	8404	5541
45°	6740	6701	6364	6078	5978	5194
55°	4469	4262	4024	3732	3688	3996
65°	2484	2169	1906	2038	2128	2500
75°	1299	1114	930	1213	1312	1401
85°	531	490	446	526	537	556
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11661.2	11661.2	11661.2	11661.2	11661.2
2.5°	11607.3	11674.4	11632.3	11678.3	11717.8
5°	11575.8	11648.1	11602.1	11648.1	11649.4
7.5°	11518.0	11585.0	11540.3	11590.3	11585.0
10°	11427.1	11494.2	11453.5	11507.4	11511.4
12.5°	11311.4	11375.9	11333.9	11395.7	11385.1
15°	11170.7	11232.5	11193.0	11232.5	11219.4
17.5°	11005.0	11061.6	11010.3	11053.7	11031.4
20°	10810.4	10857.7	10802.5	10843.2	10794.6
22.5°	10577.7	10619.7	10561.8	10584.1	10534.1
25°	10313.2	10350.0	10277.7	10273.8	10219.9
27.5°	10018.6	10038.4	9946.3	9914.7	9852.9
30°	9684.7	9689.9	9567.6	9508.5	9428.1
32.5°	9309.8	9296.7	9140.1	9052.1	8953.4
35°	8894.2	8850.8	8670.7	8522.1	8403.7
37.5°	8424.8	8356.4	8140.7	7921.1	7807.9
40°	7903.9	7823.8	7564.7	7292.4	7201.7
42.5°	7337.2	7268.8	6963.6	6679.6	6590.1
45°	6740.1	6700.6	6363.9	6078.5	5978.5
47.5°	6143.0	6114.1	5785.3	5494.6	5373.6
50°	5569.6	5506.4	5209.3	4890.9	4780.6
52.5°	5013.2	4884.3	4622.7	4296.5	4215.1
55°	4468.8	4262.4	4024.4	3732.4	3687.6
57.5°	3929.6	3662.6	3431.2	3212.8	3211.6
60°	3408.9	3103.7	2867.0	2752.5	2789.4
62.5°	2920.9	2607.9	2351.5	2359.3	2426.4
65°	2484.3	2168.6	1905.6	2038.4	2127.9
67.5°	2109.5	1808.3	1541.3	1788.6	1874.0
70°	1792.5	1520.3	1258.6	1567.6	1659.7
72.5°	1525.6	1296.7	1061.3	1383.5	1476.9
75°	1299.4	1113.9	929.8	1212.6	1312.4
77.5°	1115.3	950.8	833.8	1049.4	1153.3
80°	943.0	798.3	737.8	891.7	981.0
82.5°	746.9	647.1	611.6	724.6	770.7
85°	531.4	490.5	445.9	526.0	536.6
87.5°	291.9	302.5	249.8	302.5	303.7
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)