

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: P730925

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730925
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-LD5-30SE-W-CLI-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28312.0 lumens
Efficiency: N/A
Efficacy: 149.0 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

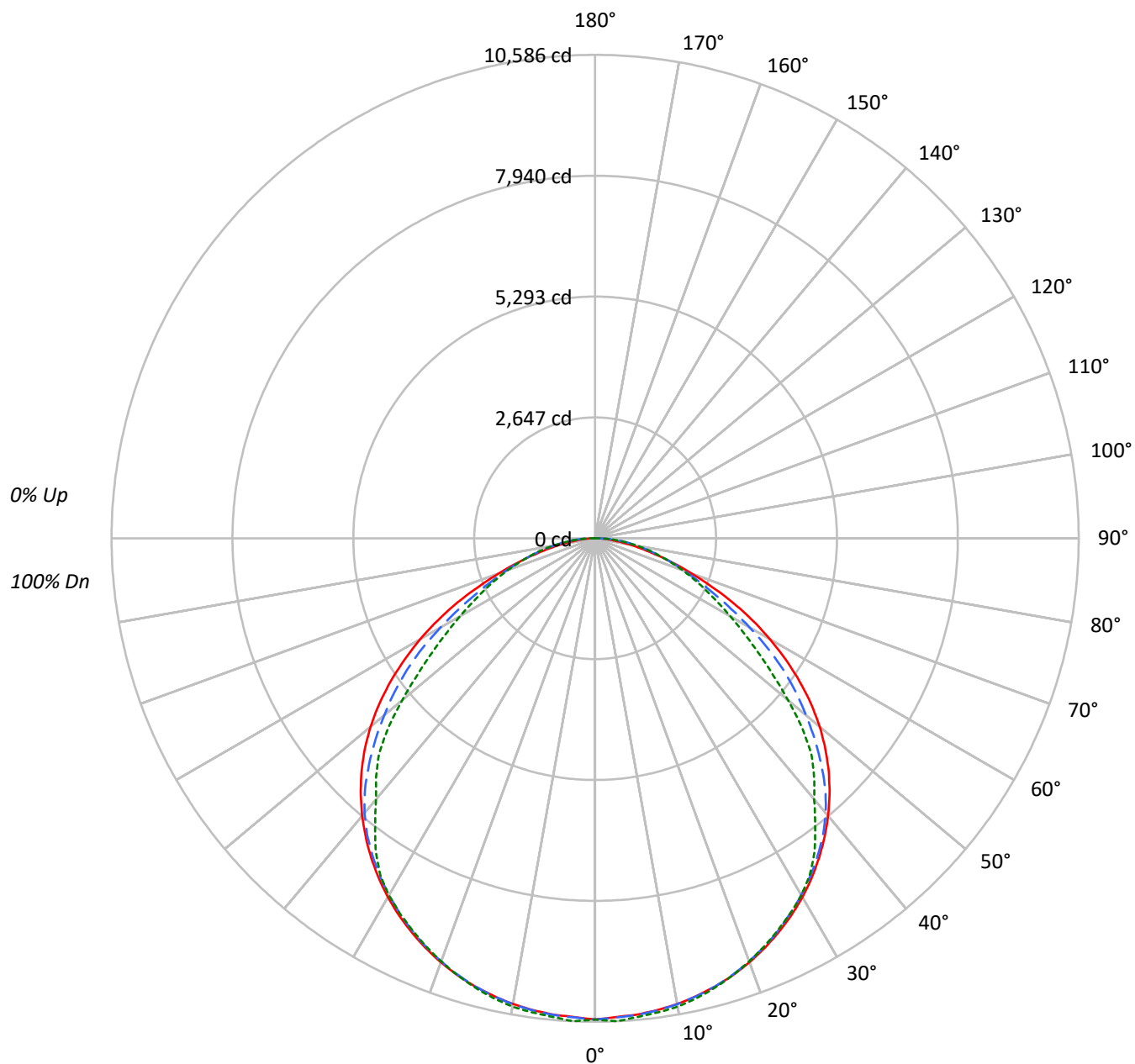
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17014	17014	17014
5°	16968	16981	17057
10°	16978	16986	17076
15°	16980	16978	17018
20°	16976	16937	16941
25°	16950	16887	16867
30°	16922	16821	16831
35°	16843	16739	16502
40°	16723	16553	15718
45°	16511	15982	15283
50°	16114	15132	13842
55°	15380	14152	12239
60°	14273	12627	11038
65°	12687	10932	10150
70°	10529	9770	9567
75°	8515	8941	9052
80°	6763	8551	8516
85°	5295	9187	8764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	999.4	3.5
10°-20°	2874.6	10.2
20°-30°	4383.2	15.5
30°-40°	5303.0	18.7
40°-50°	5371.5	19.0
50°-60°	4439.7	15.7
60°-70°	2932.3	10.4
70°-80°	1529.0	5.4
80°-90°	479.3	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°	8257.1	29.2
0°-40°	13560.1	47.9
0°-60°	23371.3	82.5
0°-90°	28312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10538	10538	10538	10538	10538	
5°	10470	10533	10477	10523	10524	996
15°	10158	10210	10157	10189	10181	2869
25°	9514	9552	9479	9503	9468	4387
35°	8545	8557	8492	8481	8372	5345
45°	7231	7212	7000	6782	6693	5568
55°	5464	5383	5027	4539	4348	4870
65°	3321	3225	2862	2676	2657	3280
75°	1365	1389	1433	1452	1451	1487
85°	286	368	496	492	473	347
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10537.8	10537.8	10537.8	10537.8	10537.8
2.5°	10493.7	10555.6	10503.7	10549.2	10585.9
5°	10469.5	10532.9	10477.2	10522.7	10524.0
7.5°	10422.8	10486.0	10429.0	10474.6	10473.3
10°	10355.7	10415.2	10360.8	10415.2	10415.2
12.5°	10264.7	10322.8	10269.7	10320.3	10312.6
15°	10158.4	10210.2	10157.2	10188.8	10181.1
17.5°	10033.1	10080.0	10020.5	10047.0	10031.9
20°	9880.1	9923.1	9857.3	9891.5	9859.8
22.5°	9707.9	9748.4	9681.4	9706.8	9671.3
25°	9514.5	9552.5	9479.1	9503.1	9467.7
27.5°	9305.7	9339.8	9257.6	9286.8	9258.9
30°	9076.7	9093.2	9022.4	9060.3	9027.5
32.5°	8821.2	8831.4	8769.3	8803.4	8747.8
35°	8545.4	8556.8	8492.3	8480.9	8372.1
37.5°	8250.7	8255.7	8195.1	8092.5	7912.9
40°	7934.5	7931.9	7853.5	7616.9	7457.5
42.5°	7596.6	7595.4	7457.5	7188.0	7097.0
45°	7231.0	7212.1	6999.5	6781.9	6693.3
47.5°	6838.9	6818.6	6521.3	6348.1	6146.9
50°	6415.1	6379.7	6024.2	5787.6	5510.6
52.5°	5958.4	5903.9	5542.2	5160.1	4898.3
55°	5463.8	5382.8	5027.4	4539.1	4348.0
57.5°	4948.9	4828.7	4483.3	4007.7	3852.1
60°	4420.1	4286.0	3910.2	3519.4	3418.1
62.5°	3876.1	3743.3	3360.0	3065.3	3009.5
65°	3320.8	3224.6	2861.5	2675.6	2656.7
67.5°	2751.5	2717.3	2440.3	2345.4	2337.8
70°	2230.3	2224.0	2069.6	2021.5	2026.6
72.5°	1782.5	1774.9	1752.2	1728.0	1729.3
75°	1365.0	1389.0	1433.3	1452.2	1451.1
77.5°	1018.4	1067.7	1161.3	1199.2	1192.9
80°	727.4	800.8	919.7	955.2	915.9
82.5°	484.5	561.7	702.1	707.1	675.5
85°	285.8	368.1	495.9	492.1	473.1
87.5°	141.7	221.4	297.3	284.6	272.0
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)