

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: P730905

Luminaire Tested: **HBLED-LD5-30SE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730905
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-L740
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: 28971.0 lumens
Efficiency: N/A
Efficacy: 152.5 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

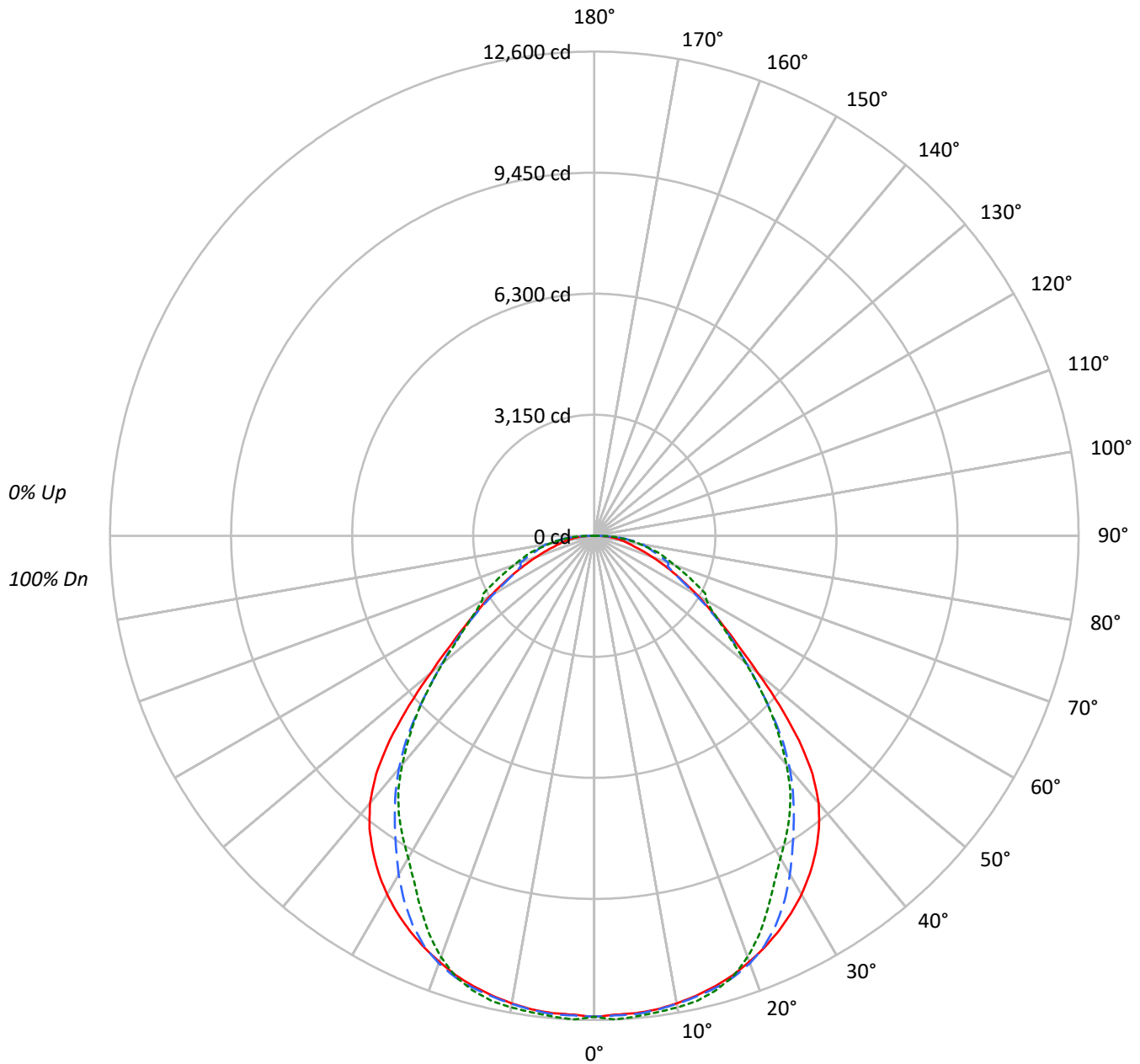
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20209	20209	20209
5°	20208	20251	20350
10°	20258	20283	20432
15°	20289	20365	20464
20°	20269	20344	20042
25°	20217	19914	19048
30°	20098	18975	18050
35°	19796	17834	17463
40°	19134	16675	16400
45°	17198	14890	14835
50°	13948	12969	12881
55°	11582	11367	11363
60°	10028	9735	10883
65°	8691	8636	10970
70°	7493	9688	10457
75°	6720	9929	10902
80°	6985	11689	10937
85°	7929	13470	12497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.7	4.1
10°-20°	3441.8	11.9
20°-30°	5111.8	17.6
30°-40°	5803.3	20.0
40°-50°	5187.9	17.9
50°-60°	3586.9	12.4
60°-70°	2366.9	8.2
70°-80°	1596.8	5.5
80°-90°	683.9	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°	9745.3	33.6
0°-40°	15548.6	53.7
0°-60°	24323.4	84.0
0°-90°	28971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12516	12516	12516	12516	12516	
5°	12468	12545	12495	12546	12556	###
15°	12138	12196	12183	12251	12243	3426
25°	11348	11456	11178	10845	10692	5229
35°	10043	9832	9048	8916	8860	6263
45°	7532	6894	6521	6571	6497	5728
55°	4114	3756	4038	3981	4036	3737
65°	2275	2020	2261	2643	2872	2270
75°	1077	1355	1592	1701	1748	1176
85°	428	595	727	731	675	446
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12516.4	12516.4	12516.4	12516.4	12516.4
2.5°	12473.9	12551.8	12493.7	12547.6	12599.9
5°	12468.1	12544.7	12495.1	12546.1	12556.1
7.5°	12432.7	12503.5	12445.4	12495.1	12506.4
10°	12356.2	12439.8	12371.7	12448.3	12462.5
12.5°	12257.0	12342.1	12282.5	12387.3	12393.1
15°	12137.9	12196.0	12183.3	12251.3	12242.8
17.5°	11987.7	12054.4	12044.4	12061.4	12021.7
20°	11796.4	11871.4	11840.3	11762.3	11664.6
22.5°	11590.9	11681.5	11558.3	11361.3	11223.7
25°	11348.4	11456.2	11178.5	10845.4	10692.2
27.5°	11080.6	11177.0	10714.9	10306.8	10148.0
30°	10780.2	10821.2	10177.7	9789.4	9681.7
32.5°	10432.9	10373.4	9603.7	9347.2	9284.9
35°	10043.2	9831.9	9048.2	8916.4	8859.6
37.5°	9603.7	9216.9	8499.7	8438.8	8379.1
40°	9078.0	8506.7	7911.5	7871.9	7781.1
42.5°	8399.1	7734.3	7258.1	7211.3	7130.5
45°	7531.7	6893.8	6521.1	6570.7	6497.0
47.5°	6533.8	6050.6	5813.9	5949.9	5813.9
50°	5553.0	5228.5	5163.3	5286.6	5127.9
52.5°	4749.4	4457.5	4592.2	4613.4	4518.5
55°	4114.4	3755.9	4038.0	3981.3	4036.5
57.5°	3561.8	3160.6	3507.9	3442.7	3632.6
60°	3105.3	2654.7	3014.7	3000.5	3370.3
62.5°	2657.5	2297.5	2586.6	2795.0	3249.9
65°	2274.8	2019.7	2260.6	2643.3	2871.5
67.5°	1907.7	1811.3	2067.8	2280.4	2530.0
70°	1587.3	1637.0	2052.2	2012.6	2215.2
72.5°	1318.1	1486.8	1811.3	1818.4	1961.6
75°	1077.2	1355.0	1591.7	1700.8	1747.6
77.5°	895.7	1228.8	1437.2	1475.5	1430.1
80°	751.2	1082.8	1257.1	1240.2	1176.3
82.5°	606.5	820.7	990.8	1006.4	931.2
85°	428.0	595.3	727.1	731.4	674.6
87.5°	229.6	367.1	440.8	453.5	419.5
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)