

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: P730942

Luminaire Tested: **HBLED-LD5-30SE-W-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-WG-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31856.0 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

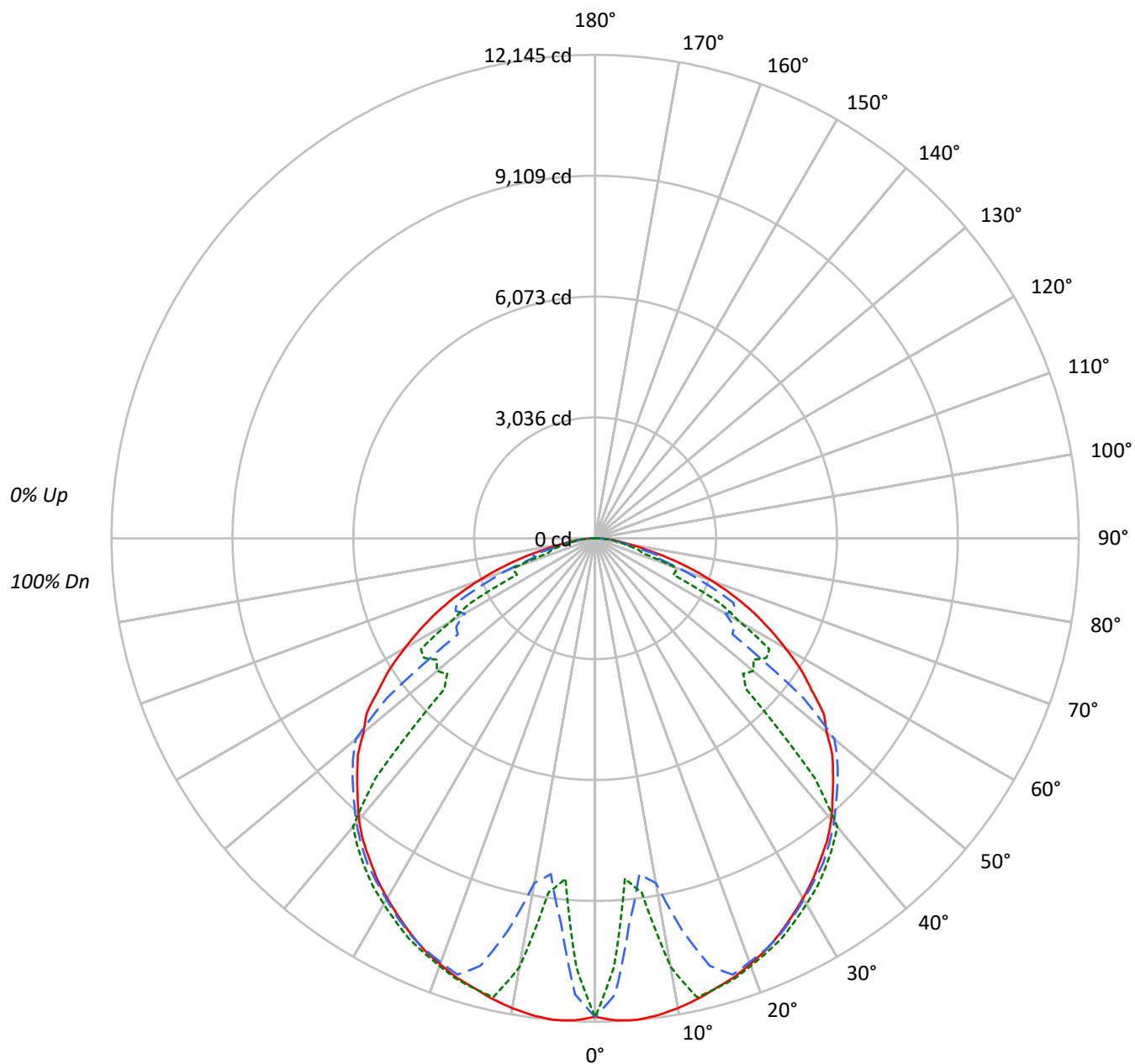
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19415	19415	19415
5°	19685	15814	13908
10°	19651	14422	17937
15°	19564	18588	19580
20°	19564	19475	19648
25°	19529	19572	19752
30°	19472	19537	19788
35°	19441	19657	19886
40°	19444	19656	19938
45°	19292	19669	12223
50°	19073	19708	13027
55°	18671	11851	14765
60°	17811	12216	13520
65°	16688	14667	8272
70°	14736	11112	10141
75°	11742	10100	7032
80°	8088	7299	6044
85°	7751	6738	6393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.5	3.0
10°-20°	3012.4	9.5
20°-30°	4956.0	15.6
30°-40°	6231.5	19.6
40°-50°	6111.6	19.2
50°-60°	5063.8	15.9
60°-70°	3571.6	11.2
70°-80°	1558.3	4.9
80°-90°	389.3	1.2
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°	8930.0	28.0
0°-40°	15161.5	47.6
0°-60°	26336.8	82.7
0°-90°	31856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12025	12025	12025	12025	12025	
5°	12145	11304	9757	8847	8581	###
15°	11704	8128	11120	11750	11714	3310
25°	10962	10030	10986	11060	11087	5053
35°	9864	9858	9973	10039	10089	6180
45°	8449	8475	8614	7629	5353	6522
55°	6633	6850	4210	4787	5245	5934
65°	4368	4626	3839	2953	2165	4295
75°	1882	1845	1619	1058	1127	2018
85°	418	372	364	348	345	434
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12024.6	12024.6	12024.6	12024.6	12024.6
2.5°	12123.8	11872.2	11472.5	10969.2	10791.0
5°	12145.4	11304.2	9757.1	8847.0	8581.0
7.5°	12083.6	10273.3	8506.3	8697.4	8979.3
10°	11985.8	9367.5	8796.7	10349.5	10940.5
12.5°	11860.7	8562.3	10077.7	11691.0	11808.9
15°	11703.9	8128.1	11120.2	11750.0	11714.0
17.5°	11571.7	8382.6	11494.0	11632.0	11606.1
20°	11386.2	8890.2	11334.5	11445.1	11435.1
22.5°	11199.3	9491.1	11183.4	11262.6	11262.6
25°	10962.1	10030.4	10986.4	11059.9	11087.2
27.5°	10701.7	10340.8	10740.6	10800.9	10849.8
30°	10444.4	10385.5	10479.0	10556.6	10614.0
32.5°	10172.7	10149.7	10223.0	10305.0	10378.2
35°	9863.5	9857.7	9972.8	10038.9	10089.3
37.5°	9573.0	9553.0	9659.4	9751.4	9790.2
40°	9225.2	9225.2	9325.8	9419.2	9459.6
42.5°	8828.2	8884.4	8962.0	9058.3	8158.3
45°	8448.7	8474.6	8614.0	7629.2	5353.0
47.5°	8083.4	8116.5	8248.9	4904.4	5038.2
50°	7593.2	7742.7	7846.2	4890.1	5186.3
52.5°	7235.2	7299.8	6586.7	4841.2	5008.0
55°	6632.8	6849.8	4209.9	4786.6	5245.2
57.5°	6118.0	6276.2	4139.6	4904.4	5189.1
60°	5515.6	5757.1	3782.9	4732.0	4186.9
62.5°	4937.5	5167.5	3949.7	3724.0	3545.7
65°	4368.1	4625.5	3839.1	2953.3	2165.3
67.5°	3744.1	3504.1	3062.6	2080.6	2189.9
70°	3121.6	2447.2	2353.8	2326.5	2148.1
72.5°	2481.7	1785.8	1562.9	1745.6	1249.5
75°	1882.2	1844.8	1619.1	1058.2	1127.3
77.5°	1305.5	1331.4	867.0	1032.3	856.9
80°	869.9	753.5	785.0	658.5	650.0
82.5°	602.5	615.3	516.2	500.3	507.6
85°	418.4	372.4	363.7	348.0	345.1
87.5°	139.4	162.5	151.0	136.6	145.3
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)