

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: P730924

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730924
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-L750
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: 31249.0 lumens
Efficiency: N/A
Efficacy: 164.5 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

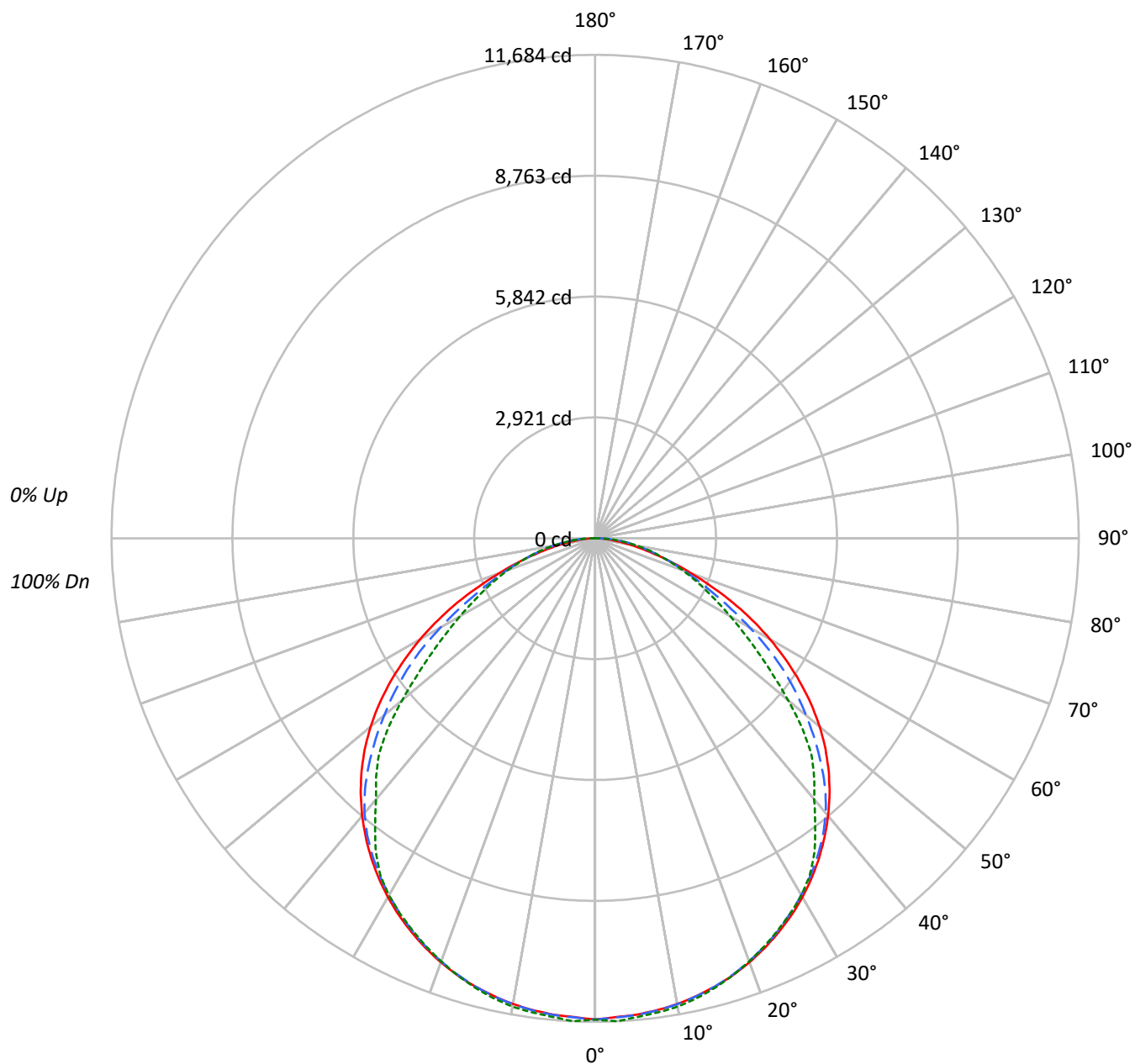
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18779	18779	18779
5°	18729	18742	18826
10°	18739	18748	18847
15°	18742	18739	18784
20°	18737	18694	18699
25°	18708	18639	18616
30°	18678	18566	18577
35°	18591	18475	18214
40°	18458	18270	17349
45°	18224	17640	16869
50°	17785	16702	15278
55°	16976	15620	13509
60°	15754	13937	12183
65°	14003	12066	11203
70°	11621	10784	10559
75°	9399	9869	9991
80°	7465	9439	9400
85°	5845	10141	9672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1103.0	3.5
10°-20°	3172.8	10.2
20°-30°	4837.9	15.5
30°-40°	5853.2	18.7
40°-50°	5928.7	19.0
50°-60°	4900.2	15.7
60°-70°	3236.5	10.4
70°-80°	1687.7	5.4
80°-90°	529.1	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°	9113.7	29.2
0°-40°	14966.8	47.9
0°-60°	25795.8	82.5
0°-90°	31249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11631	11631	11631	11631	11631	
5°	11556	11626	11564	11614	11616	###
15°	11212	11269	11211	11246	11237	3166
25°	10502	10543	10462	10489	10450	4842
35°	9432	9444	9373	9361	9241	5900
45°	7981	7960	7726	7486	7388	6146
55°	6030	5941	5549	5010	4799	5375
65°	3665	3559	3158	2953	2932	3620
75°	1507	1533	1582	1603	1602	1641
85°	316	406	547	543	522	383
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11631.0	11631.0	11631.0	11631.0	11631.0
2.5°	11582.2	11650.6	11593.3	11643.6	11684.1
5°	11555.6	11625.5	11564.0	11614.3	11615.7
7.5°	11504.1	11573.8	11510.9	11561.2	11559.8
10°	11429.9	11495.7	11435.5	11495.7	11495.7
12.5°	11329.5	11393.7	11335.1	11390.9	11382.5
15°	11212.2	11269.4	11210.8	11245.7	11237.3
17.5°	11074.0	11125.7	11059.9	11089.2	11072.6
20°	10905.0	10952.5	10879.9	10917.6	10882.6
22.5°	10715.0	10759.7	10685.7	10713.8	10674.5
25°	10501.5	10543.4	10462.4	10488.9	10449.8
27.5°	10271.1	10308.7	10218.0	10250.2	10219.4
30°	10018.3	10036.5	9958.4	10000.2	9964.0
32.5°	9736.3	9747.5	9679.0	9716.7	9655.3
35°	9431.9	9444.5	9373.3	9360.7	9240.6
37.5°	9106.6	9112.2	9045.2	8932.0	8733.7
40°	8757.6	8754.8	8668.2	8407.0	8231.1
42.5°	8384.6	8383.4	8231.1	7933.6	7833.2
45°	7981.1	7960.3	7725.6	7485.5	7387.7
47.5°	7548.4	7526.0	7197.8	7006.6	6784.6
50°	7080.6	7041.5	6649.1	6387.9	6082.2
52.5°	6576.5	6516.4	6117.1	5695.4	5406.4
55°	6030.5	5941.2	5548.9	5009.9	4799.1
57.5°	5462.3	5329.6	4948.4	4423.5	4251.7
60°	4878.7	4730.6	4315.9	3884.5	3772.7
62.5°	4278.2	4131.6	3708.6	3383.2	3321.7
65°	3665.3	3559.1	3158.4	2953.1	2932.3
67.5°	3036.9	2999.2	2693.4	2588.7	2580.3
70°	2461.7	2454.7	2284.3	2231.2	2236.8
72.5°	1967.4	1959.0	1933.9	1907.3	1908.7
75°	1506.6	1533.1	1582.0	1602.9	1601.6
77.5°	1124.0	1178.5	1281.8	1323.7	1316.6
80°	802.9	883.9	1015.2	1054.2	1011.0
82.5°	534.8	619.9	774.9	780.5	745.6
85°	315.5	406.3	547.4	543.2	522.1
87.5°	156.4	244.3	328.1	314.1	300.2
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)