

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: P730939

Luminaire Tested: **HBLED-LD5-30SE-W-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-UNV-L850
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31969.0 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

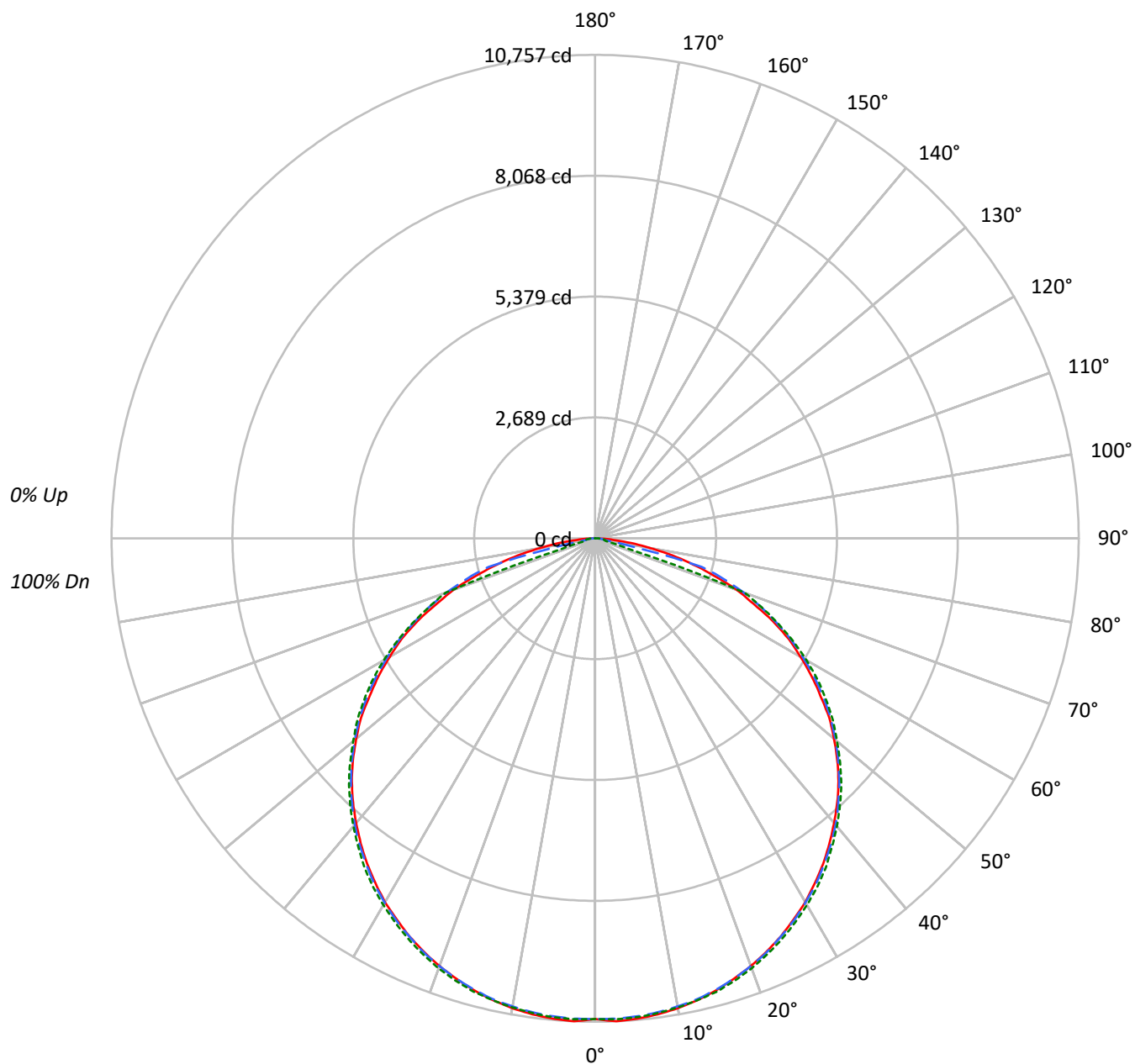
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17272	17272	17272
5°	17396	17308	17338
10°	17406	17344	17379
15°	17404	17380	17459
20°	17402	17406	17497
25°	17411	17419	17525
30°	17430	17452	17568
35°	17427	17483	17629
40°	17429	17540	17635
45°	17478	17543	17685
50°	17425	17527	17641
55°	17234	17475	17663
60°	17038	17315	17530
65°	16661	17007	17135
70°	15817	16492	16695
75°	14109	15298	1843
80°	11345	1905	2017
85°	7549	2473	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1016.1	3.2
10°-20°	2935.9	9.2
20°-30°	4510.8	14.1
30°-40°	5553.0	17.4
40°-50°	5920.0	18.5
50°-60°	5534.0	17.3
60°-70°	4380.9	13.7
70°-80°	1863.9	5.8
80°-90°	254.5	0.8
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°	8462.7	26.5
0°-40°	14015.7	43.8
0°-60°	25469.7	79.7
0°-90°	31969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10698	10698	10698	10698	10698	
5°	10734	10686	10679	10636	10698	###
15°	10412	10393	10398	10369	10445	2940
25°	9773	9761	9778	9773	9837	4506
35°	8841	8827	8870	8901	8944	5532
45°	7654	7612	7683	7714	7745	5898
55°	6122	6141	6208	6229	6275	5482
65°	4361	4399	4452	4485	4485	4290
75°	2262	2359	2452	400	296	2393
85°	408	122	134	138	136	531
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10697.7	10697.7	10697.7	10697.7	10697.7
2.5°	10757.3	10707.3	10697.7	10654.8	10712.0
5°	10733.5	10685.8	10678.7	10635.8	10697.7
7.5°	10683.4	10645.3	10640.5	10595.3	10657.2
10°	10616.7	10581.0	10578.6	10538.1	10600.0
12.5°	10526.2	10495.2	10504.7	10464.2	10526.2
15°	10411.8	10392.7	10397.5	10368.9	10445.1
17.5°	10273.5	10264.0	10273.5	10252.1	10321.2
20°	10128.2	10116.3	10130.6	10118.6	10183.0
22.5°	9959.0	9944.7	9973.3	9956.6	10016.2
25°	9773.1	9761.2	9777.9	9773.1	9837.4
27.5°	9561.0	9549.1	9584.8	9587.2	9637.3
30°	9348.9	9332.2	9360.8	9372.7	9422.8
32.5°	9096.3	9091.5	9134.4	9144.0	9196.4
35°	8841.3	8827.0	8869.9	8900.9	8943.8
37.5°	8562.5	8560.1	8605.4	8631.6	8653.0
40°	8269.4	8257.4	8321.8	8348.0	8367.1
42.5°	7971.5	7945.3	8007.2	8040.6	8062.0
45°	7654.5	7611.6	7683.1	7714.1	7745.1
47.5°	7306.6	7268.5	7337.6	7370.9	7392.4
50°	6937.2	6901.5	6977.7	7006.3	7023.0
52.5°	6565.4	6529.7	6610.7	6634.6	6675.1
55°	6122.2	6141.3	6208.0	6229.4	6274.7
57.5°	5712.3	5729.0	5793.3	5819.5	5872.0
60°	5276.2	5302.4	5362.0	5388.2	5428.7
62.5°	4854.4	4856.8	4928.3	4940.2	4971.1
65°	4361.1	4399.2	4451.6	4485.0	4485.0
67.5°	3810.6	3903.5	3994.1	3986.9	4006.0
70°	3350.6	3386.4	3493.6	3510.3	3536.5
72.5°	2773.9	2866.9	2986.0	2230.6	757.8
75°	2261.6	2359.3	2452.2	400.4	295.5
77.5°	1756.3	1832.6	815.0	228.8	224.0
80°	1220.1	1341.7	204.9	209.7	216.9
82.5°	803.1	655.4	169.2	185.9	188.3
85°	407.5	121.5	133.5	138.2	135.8
87.5°	133.5	73.9	76.3	78.6	81.0
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)