

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: P730909

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730909
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-L850
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: 28196.0 lumens
Efficiency: N/A
Efficacy: 148.4 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

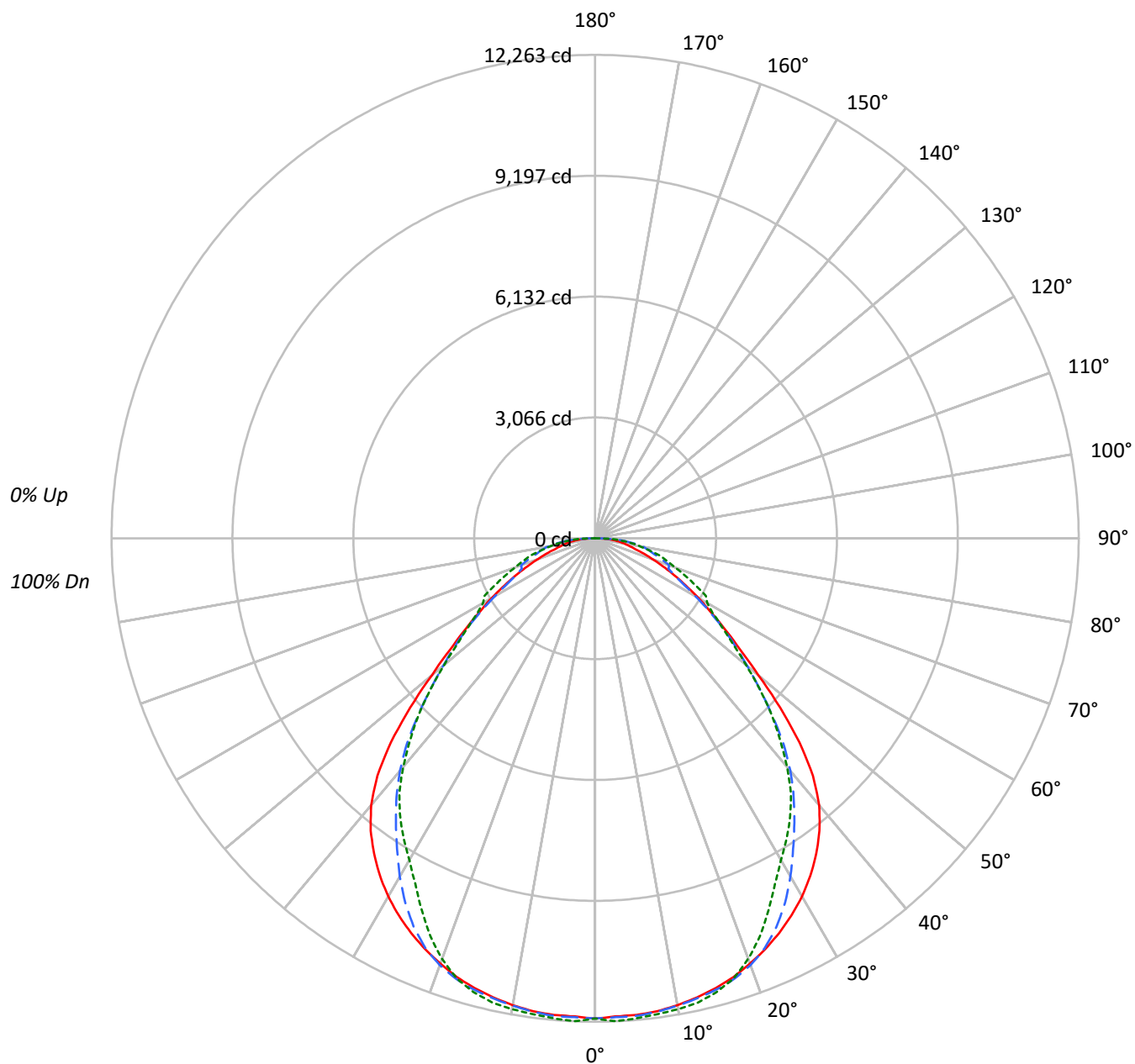
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19668	19668	19668
5°	19667	19710	19806
10°	19716	19741	19886
15°	19746	19820	19917
20°	19726	19800	19506
25°	19676	19382	18539
30°	19561	18467	17567
35°	19266	17357	16996
40°	18622	16229	15961
45°	16738	14492	14438
50°	13575	12623	12536
55°	11272	11063	11059
60°	9760	9474	10592
65°	8458	8405	10677
70°	7293	9429	10178
75°	6540	9664	10610
80°	6798	11376	10644
85°	7716	13110	12164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.8	4.1
10°-20°	3349.7	11.9
20°-30°	4975.0	17.6
30°-40°	5648.1	20.0
40°-50°	5049.1	17.9
50°-60°	3491.0	12.4
60°-70°	2303.5	8.2
70°-80°	1554.1	5.5
80°-90°	665.6	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°	9484.6	33.6
0°-40°	15132.6	53.7
0°-60°	23672.7	84.0
0°-90°	28196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12182	12182	12182	12182	12182	
5°	12135	12209	12161	12210	12220	###
15°	11813	11870	11857	11924	11915	3335
25°	11045	11150	10879	10555	10406	5089
35°	9774	9569	8806	8678	8623	6095
45°	7330	6709	6347	6395	6323	5574
55°	4004	3655	3930	3875	3928	3637
65°	2214	1966	2200	2573	2795	2209
75°	1048	1319	1549	1655	1701	1145
85°	416	579	708	712	657	434
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12181.6	12181.6	12181.6	12181.6	12181.6
2.5°	12140.2	12216.0	12159.5	12211.9	12262.9
5°	12134.6	12209.1	12160.8	12210.5	12220.2
7.5°	12100.1	12169.1	12112.5	12160.8	12171.9
10°	12025.6	12107.1	12040.8	12115.3	12129.1
12.5°	11929.1	12011.9	11953.9	12056.0	12061.5
15°	11813.2	11869.8	11857.4	11923.5	11915.3
17.5°	11667.0	11731.9	11722.2	11738.7	11700.1
20°	11480.8	11553.9	11523.5	11447.7	11352.5
22.5°	11280.8	11369.0	11249.1	11057.4	10923.5
25°	11044.8	11149.7	10879.4	10555.3	10406.2
27.5°	10784.2	10878.0	10428.3	10031.1	9876.6
30°	10491.8	10531.7	9905.5	9527.5	9422.7
32.5°	10153.8	10095.9	9346.8	9097.2	9036.5
35°	9774.5	9568.9	8806.1	8677.8	8622.6
37.5°	9346.8	8970.3	8272.4	8213.0	8155.0
40°	8835.1	8279.1	7699.9	7661.3	7572.9
42.5°	8174.4	7527.4	7063.9	7018.4	6939.7
45°	7330.2	6709.4	6346.6	6394.9	6323.2
47.5°	6359.0	5888.7	5658.4	5790.8	5658.4
50°	5404.5	5088.7	5025.2	5145.2	4990.7
52.5°	4622.4	4338.3	4469.3	4490.0	4397.6
55°	4004.4	3655.4	3930.0	3874.8	3928.5
57.5°	3466.5	3076.0	3414.0	3350.6	3535.4
60°	3022.3	2583.7	2934.0	2920.2	3280.2
62.5°	2586.5	2236.1	2517.4	2720.2	3162.9
65°	2214.0	1965.7	2200.1	2572.6	2794.7
67.5°	1856.7	1762.8	2012.5	2219.4	2462.3
70°	1544.9	1593.2	1997.3	1958.7	2156.0
72.5°	1282.8	1447.1	1762.8	1769.8	1909.1
75°	1048.4	1318.8	1549.1	1655.3	1700.8
77.5°	871.8	1195.9	1398.8	1436.0	1391.8
80°	731.1	1053.8	1223.5	1207.0	1144.8
82.5°	590.3	798.7	964.3	979.4	906.2
85°	416.5	579.4	707.7	711.8	656.6
87.5°	223.4	357.3	429.0	441.4	408.3
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)