

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: P730926

Luminaire Tested: **HBLED-LD5-30SE-W-CLI-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730926
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-L840
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: 29128.0 lumens
Efficiency: N/A
Efficacy: 153.3 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

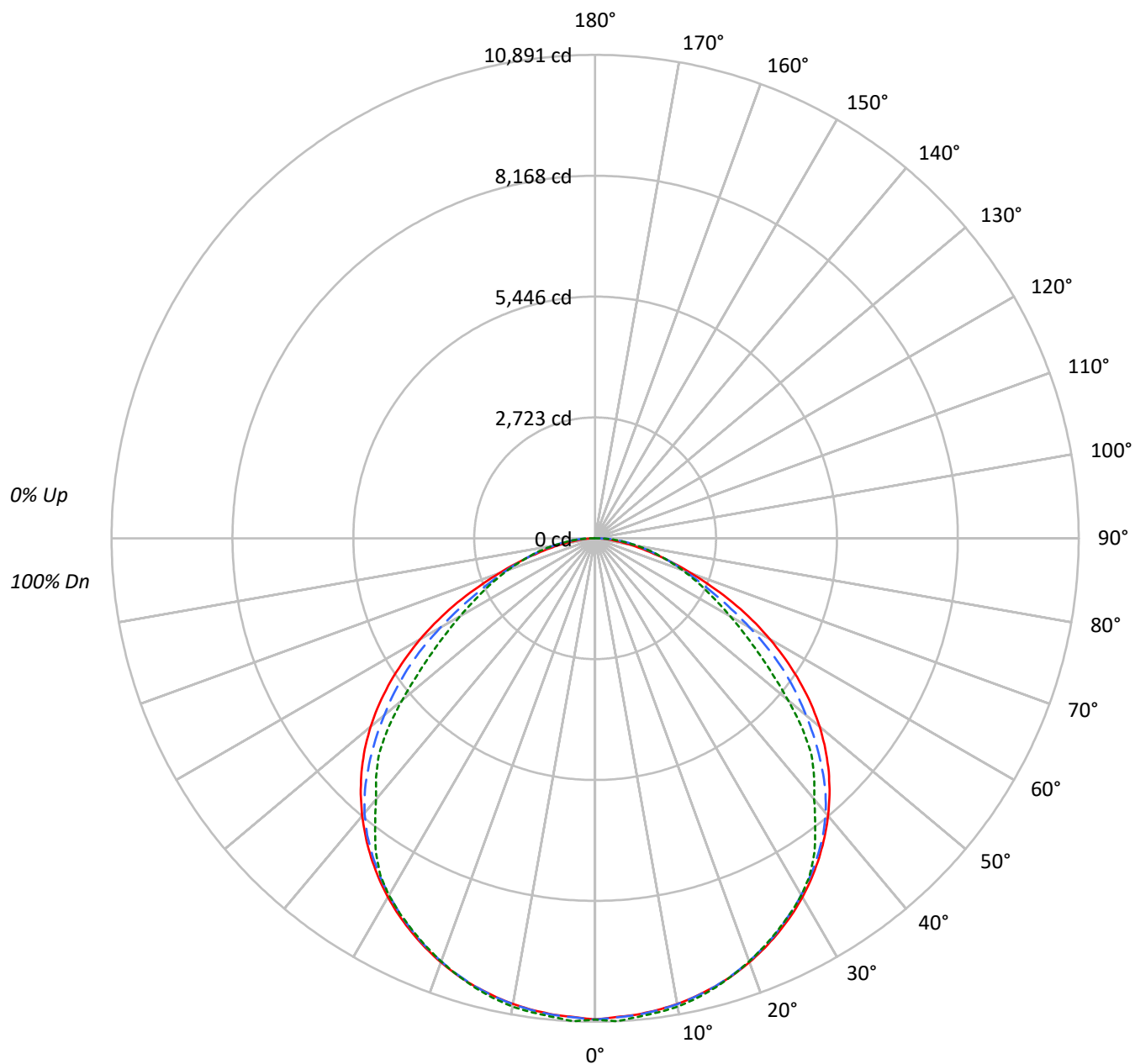
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17505	17505	17505
5°	17458	17470	17548
10°	17467	17476	17568
15°	17470	17467	17509
20°	17465	17425	17429
25°	17439	17374	17353
30°	17410	17306	17316
35°	17329	17221	16977
40°	17206	17030	16171
45°	16987	16443	15724
50°	16578	15568	14241
55°	15823	14560	12592
60°	14685	12991	11356
65°	13053	11247	10442
70°	10832	10052	9843
75°	8761	9199	9313
80°	6959	8799	8762
85°	5448	9452	9016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1028.2	3.5
10°-20°	2957.4	10.2
20°-30°	4509.5	15.5
30°-40°	5455.9	18.7
40°-50°	5526.3	19.0
50°-60°	4567.6	15.7
60°-70°	3016.8	10.4
70°-80°	1573.1	5.4
80°-90°	493.2	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°	8495.1	29.2
0°-40°	13951.0	47.9
0°-60°	24044.9	82.5
0°-90°	29128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10842	10842	10842	10842	10842	
5°	10771	10836	10779	10826	10827	###
15°	10451	10504	10450	10482	10475	2951
25°	9789	9828	9752	9777	9740	4514
35°	8792	8803	8737	8725	8613	5499
45°	7439	7420	7201	6977	6886	5728
55°	5621	5538	5172	4670	4473	5010
65°	3416	3318	2944	2753	2733	3374
75°	1404	1429	1475	1494	1493	1530
85°	294	379	510	506	487	357
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10841.5	10841.5	10841.5	10841.5	10841.5
2.5°	10796.1	10859.8	10806.4	10853.3	10891.0
5°	10771.3	10836.5	10779.1	10826.0	10827.3
7.5°	10723.2	10788.3	10729.6	10776.5	10775.2
10°	10654.1	10715.4	10659.4	10715.4	10715.4
12.5°	10560.5	10620.3	10565.7	10617.7	10609.9
15°	10451.2	10504.5	10449.9	10482.4	10474.6
17.5°	10322.3	10370.5	10309.3	10336.6	10321.0
20°	10164.8	10209.1	10141.5	10176.6	10143.9
22.5°	9987.7	10029.4	9960.5	9986.6	9950.0
25°	9788.7	9827.8	9752.3	9777.0	9740.5
27.5°	9573.9	9609.0	9524.4	9554.5	9525.7
30°	9338.3	9355.3	9282.4	9321.5	9287.7
32.5°	9075.5	9085.9	9022.0	9057.2	9000.0
35°	8791.7	8803.4	8737.1	8725.3	8613.4
37.5°	8488.5	8493.7	8431.3	8325.7	8141.0
40°	8163.2	8160.5	8079.8	7836.4	7672.4
42.5°	7815.5	7814.3	7672.4	7395.2	7301.5
45°	7439.4	7420.0	7201.2	6977.4	6886.2
47.5°	7036.0	7015.1	6709.3	6531.0	6324.1
50°	6600.0	6563.6	6197.8	5954.4	5669.4
52.5°	6130.1	6074.1	5701.9	5308.9	5039.5
55°	5621.2	5537.9	5172.3	4669.9	4473.3
57.5°	5091.6	4967.9	4612.6	4123.2	3963.1
60°	4547.5	4409.5	4022.9	3620.9	3516.6
62.5°	3987.8	3851.2	3456.8	3153.6	3096.3
65°	3416.5	3317.5	2944.0	2752.7	2733.2
67.5°	2830.8	2795.7	2510.6	2413.0	2405.2
70°	2294.6	2288.1	2129.3	2079.8	2085.0
72.5°	1833.9	1826.0	1802.7	1777.8	1779.2
75°	1404.4	1429.0	1474.6	1494.1	1492.9
77.5°	1047.7	1098.5	1194.8	1233.8	1227.3
80°	748.4	823.9	946.3	982.7	942.3
82.5°	498.5	577.9	722.3	727.5	695.0
85°	294.1	378.7	510.2	506.3	486.7
87.5°	145.7	227.7	305.8	292.8	279.9
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)