

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: P730854

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730854
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-LD5-30HE-W-CLI-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29217.0 lumens
Efficiency: N/A
Efficacy: 163.2 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

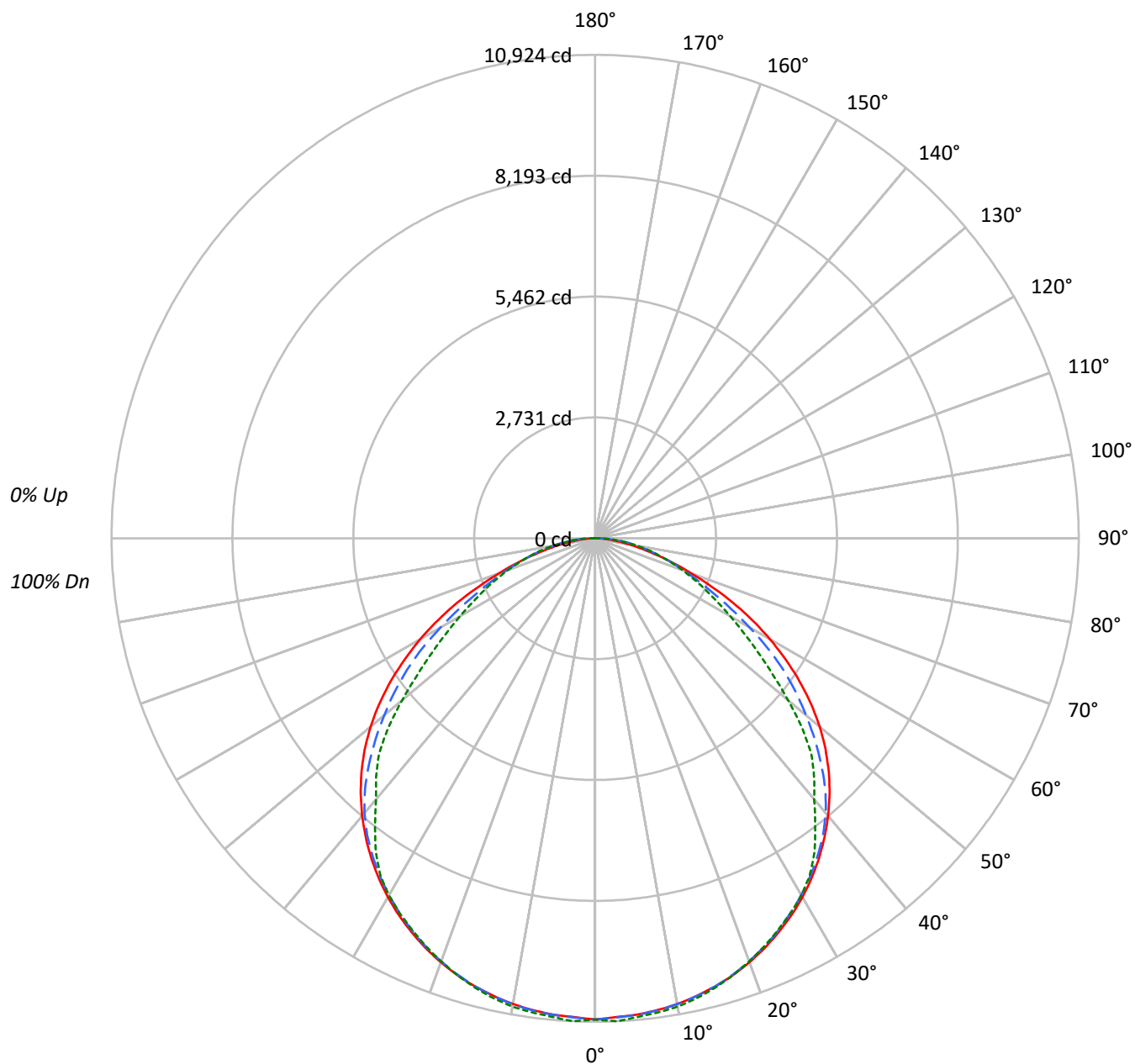
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17558	17558	17558
5°	17511	17524	17602
10°	17521	17529	17621
15°	17523	17521	17562
20°	17519	17478	17483
25°	17492	17427	17406
30°	17463	17359	17368
35°	17382	17274	17029
40°	17258	17082	16220
45°	17039	16493	15772
50°	16629	15615	14284
55°	15872	14604	12631
60°	14730	13030	11391
65°	13092	11282	10474
70°	10865	10083	9873
75°	8788	9227	9342
80°	6980	8825	8789
85°	5465	9481	9044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1031.3	3.5
10°-20°	2966.4	10.2
20°-30°	4523.3	15.5
30°-40°	5472.5	18.7
40°-50°	5543.2	19.0
50°-60°	4581.6	15.7
60°-70°	3026.0	10.4
70°-80°	1577.9	5.4
80°-90°	494.7	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°	8521.1	29.2
0°-40°	13993.6	47.9
0°-60°	24118.4	82.5
0°-90°	29217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10875	10875	10875	10875	10875	
5°	10804	10870	10812	10859	10860	###
15°	10483	10537	10482	10514	10507	2960
25°	9819	9858	9782	9807	9770	4527
35°	8818	8830	8764	8752	8640	5516
45°	7462	7443	7223	6999	6907	5746
55°	5638	5555	5188	4684	4487	5025
65°	3427	3328	2953	2761	2742	3385
75°	1409	1433	1479	1499	1498	1535
85°	295	380	512	508	488	358
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10874.7	10874.7	10874.7	10874.7	10874.7
2.5°	10829.1	10893.0	10839.4	10886.5	10924.3
5°	10804.2	10869.6	10812.1	10859.1	10860.4
7.5°	10756.0	10821.2	10762.4	10809.4	10808.1
10°	10686.7	10748.1	10691.9	10748.1	10748.1
12.5°	10592.8	10652.8	10598.0	10650.2	10642.3
15°	10483.1	10536.6	10481.8	10514.5	10506.6
17.5°	10353.9	10402.2	10340.8	10368.1	10352.5
20°	10195.9	10240.3	10172.4	10207.7	10174.9
22.5°	10018.3	10060.1	9990.9	10017.1	9980.4
25°	9818.6	9857.8	9782.1	9806.9	9770.3
27.5°	9603.2	9638.4	9553.5	9583.6	9554.8
30°	9366.9	9383.9	9310.8	9350.0	9316.0
32.5°	9103.2	9113.7	9049.6	9084.8	9027.5
35°	8818.5	8830.3	8763.8	8752.0	8639.7
37.5°	8514.4	8519.6	8457.0	8351.2	8165.8
40°	8188.1	8185.5	8104.5	7860.4	7695.8
42.5°	7839.4	7838.2	7695.8	7417.8	7323.8
45°	7462.2	7442.6	7223.2	6998.7	6907.3
47.5°	7057.5	7036.6	6729.8	6551.0	6343.4
50°	6620.2	6583.6	6216.7	5972.6	5686.7
52.5°	6148.9	6092.7	5719.4	5325.1	5054.8
55°	5638.4	5554.8	5188.1	4684.2	4487.0
57.5°	5107.1	4983.1	4626.6	4135.8	3975.2
60°	4561.4	4423.0	4035.2	3631.9	3527.4
62.5°	4000.0	3863.0	3467.4	3163.2	3105.7
65°	3426.9	3327.6	2953.0	2761.1	2741.6
67.5°	2839.4	2804.2	2518.3	2420.4	2412.5
70°	2301.6	2295.1	2135.8	2086.1	2091.4
72.5°	1839.5	1831.6	1808.2	1783.3	1784.6
75°	1408.7	1433.4	1479.1	1498.6	1497.5
77.5°	1050.9	1101.9	1198.4	1237.6	1231.0
80°	750.7	826.4	949.1	985.7	945.2
82.5°	500.0	579.6	724.5	729.7	697.1
85°	295.0	379.9	511.8	507.8	488.2
87.5°	146.2	228.4	306.8	293.7	280.7
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)