

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: P730810

Luminaire Tested: **HBLED-LD5-30HE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CL-WG-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29928.0 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

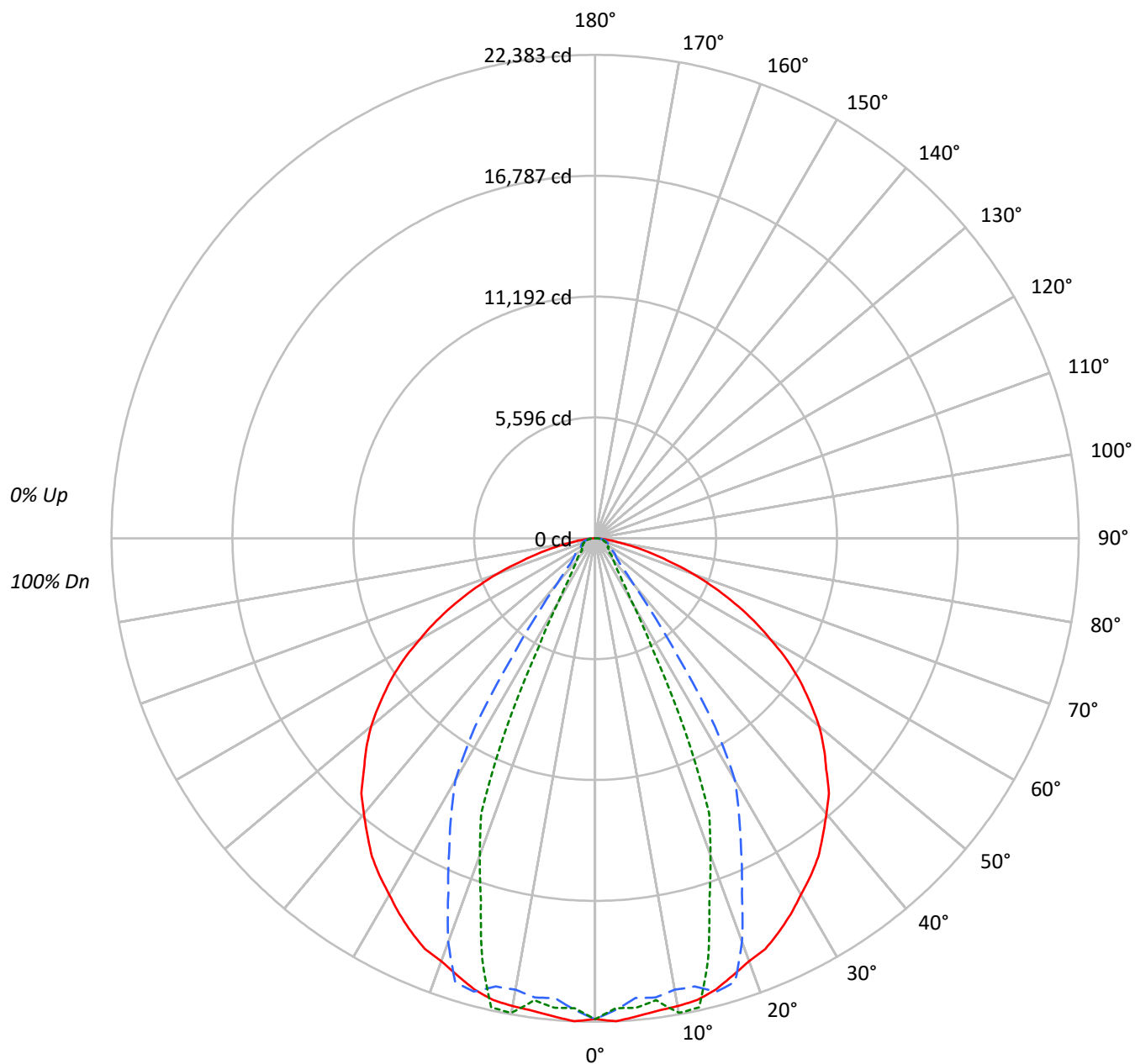
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35944	35944	35944
5°	36003	34632	35361
10°	36056	34798	36584
15°	36136	36324	33761
20°	35794	34165	26797
25°	35846	28482	17504
30°	35524	24128	6288
35°	35487	13071	3537
40°	35085	5698	2770
45°	34543	3522	2172
50°	34004	3068	2050
55°	32668	2661	2006
60°	30309	2384	2156
65°	27244	2694	2356
70°	22849	2897	2429
75°	17081	3304	2630
80°	10728	3836	2999
85°	7143	4807	4390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2063.4	6.9
10°-20°	5826.5	19.5
20°-30°	7134.7	23.8
30°-40°	5602.9	18.7
40°-50°	4154.9	13.9
50°-60°	2529.4	8.5
60°-70°	1515.2	5.1
70°-80°	831.3	2.8
80°-90°	269.6	0.9
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°	15024.6	50.2
0°-40°	20627.5	68.9
0°-60°	27311.9	91.3
0°-90°	29928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22262	22262	22262	22262	22262	
5°	22214	21609	21368	21603	21818	###
15°	21618	21026	21731	20853	20198	6087
25°	20121	20184	15988	12540	9826	9262
35°	18004	16378	6632	2219	1794	11234
45°	15128	10862	1542	1169	951	11698
55°	11605	2993	945	800	713	10327
65°	7131	882	705	663	617	7045
75°	2738	557	530	461	422	2965
85°	386	303	260	239	237	470
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22262.0	22262.0	22262.0	22262.0	22262.0
2.5°	22383.4	22081.9	21850.9	21721.8	21774.3
5°	22213.9	21609.2	21367.7	21603.3	21817.9
7.5°	22066.8	21168.2	21441.2	21462.3	21574.8
10°	21991.9	21126.2	21225.1	21691.7	22314.4
12.5°	21892.9	21223.7	21258.2	21894.3	22245.4
15°	21618.4	21025.7	21730.8	20853.2	20197.5
17.5°	21217.7	20563.5	21532.7	18473.6	17582.4
20°	20832.1	20060.9	19884.0	16455.6	15595.9
22.5°	20583.1	19984.5	17762.5	14662.7	13774.5
25°	20121.0	20184.0	15987.6	12539.7	9825.7
27.5°	19612.3	19714.4	14418.2	8362.9	5629.2
30°	19054.2	19171.3	12941.8	4942.0	3372.8
32.5°	18548.7	17888.5	10335.8	3083.2	2345.0
35°	18004.0	16377.6	6631.5	2219.0	1794.4
37.5°	17318.4	14790.2	4197.9	1755.4	1506.4
40°	16646.3	13365.0	2703.6	1498.8	1314.3
42.5°	16017.5	12190.2	1966.9	1309.8	1186.8
45°	15127.9	10862.4	1542.4	1168.7	951.2
47.5°	14358.2	9305.1	1348.8	988.7	820.7
50°	13537.5	7114.6	1221.3	879.2	816.2
52.5°	12563.8	4654.0	1128.2	841.7	762.1
55°	11605.1	2993.2	945.2	799.7	712.6
57.5°	10569.8	1897.9	834.2	775.6	744.1
60°	9386.1	1279.8	738.2	735.1	667.6
62.5°	8290.8	1051.7	712.6	705.2	631.7
65°	7131.1	882.2	705.2	663.1	616.6
67.5°	5972.8	756.2	637.7	606.1	565.6
70°	4840.1	691.7	613.7	600.2	514.5
72.5°	3675.8	570.1	544.6	508.6	427.7
75°	2738.1	556.6	529.6	460.6	421.6
77.5°	1852.9	513.1	481.6	412.6	381.1
80°	1153.8	471.1	412.6	361.6	322.5
82.5°	685.6	393.1	339.1	298.6	273.0
85°	385.6	303.1	259.5	238.6	237.0
87.5°	82.5	109.5	87.0	82.5	58.5
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)