

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: P730848

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CL-WG-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27896.0 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

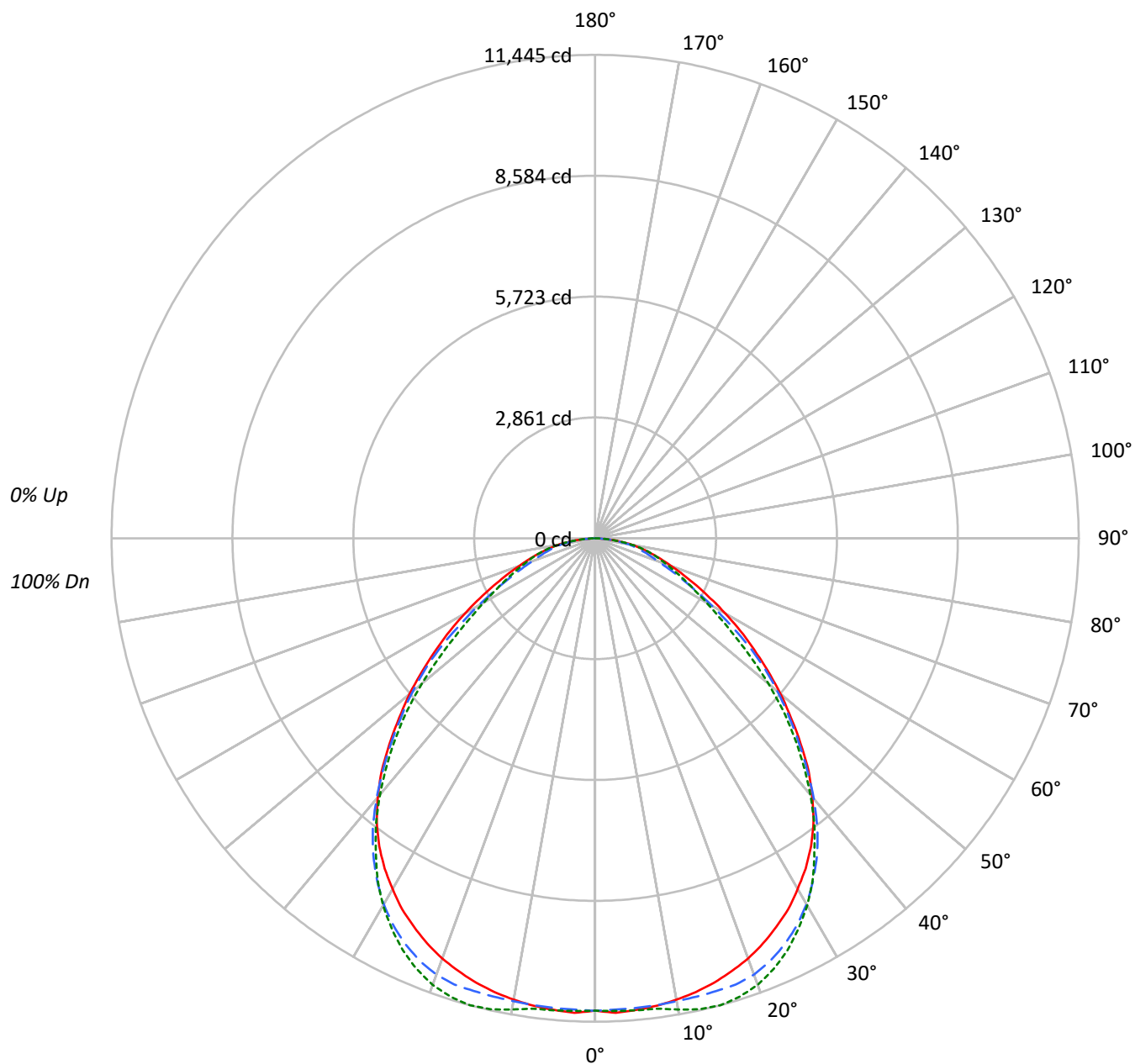
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18060	18060	18060
5°	18166	18091	18180
10°	18182	18244	18570
15°	18205	18548	19131
20°	18193	18887	19328
25°	18082	18904	19182
30°	17874	18654	18713
35°	17555	18049	17833
40°	16862	16966	16698
45°	15712	15547	15231
50°	14385	14153	13429
55°	12921	12442	11354
60°	11459	10295	9801
65°	10097	8554	8895
70°	9030	7423	8472
75°	8459	7217	8567
80°	8235	7296	8154
85°	6573	5772	5986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.5	3.8
10°-20°	3138.6	11.3
20°-30°	4828.3	17.3
30°-40°	5635.0	20.2
40°-50°	5236.4	18.8
50°-60°	3881.4	13.9
60°-70°	2372.8	8.5
70°-80°	1351.5	4.8
80°-90°	386.5	1.4
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°	9032.5	32.4
0°-40°	14667.4	52.6
0°-60°	23785.2	85.3
0°-90°	27896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11186	11186	11186	11186	11186	
5°	11209	11157	11162	11154	11217	###
15°	10891	10885	11096	11315	11445	3074
25°	10150	10228	10611	10701	10767	4675
35°	8906	8976	9157	9082	9048	5549
45°	6881	6921	6809	6702	6670	5302
55°	4590	4475	4420	4105	4033	4119
65°	2643	2400	2239	2299	2328	2645
75°	1356	1272	1157	1318	1373	1451
85°	355	346	312	323	323	409
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11185.5	11185.5	11185.5	11185.5	11185.5
2.5°	11246.1	11182.6	11171.0	11145.1	11202.7
5°	11208.6	11156.6	11162.3	11153.8	11217.3
7.5°	11165.3	11127.8	11150.9	11147.9	11231.7
10°	11090.3	11070.1	11127.8	11191.3	11326.9
12.5°	11006.6	10986.5	11113.4	11274.9	11422.1
15°	10891.2	10885.4	11096.1	11315.3	11445.2
17.5°	10747.0	10755.6	11075.8	11263.4	11378.8
20°	10588.3	10602.7	10992.2	11145.1	11249.0
22.5°	10383.5	10432.5	10830.6	10957.5	11038.3
25°	10149.7	10227.6	10611.4	10700.8	10767.1
27.5°	9898.8	9976.6	10340.1	10386.3	10423.9
30°	9587.1	9696.7	10005.4	10011.3	10037.2
32.5°	9269.8	9367.9	9604.5	9578.5	9584.2
35°	8906.3	8975.5	9157.2	9082.3	9047.6
37.5°	8488.0	8525.4	8640.8	8528.4	8522.5
40°	8000.3	8049.4	8049.4	7893.6	7922.4
42.5°	7481.1	7498.3	7426.3	7279.1	7302.1
45°	6880.9	6921.3	6808.7	6702.1	6670.3
47.5°	6286.6	6327.0	6208.7	6084.7	6029.9
50°	5726.9	5706.7	5634.6	5424.0	5346.1
52.5°	5147.0	5083.5	5054.7	4746.0	4656.6
55°	4590.1	4474.8	4420.0	4105.4	4033.3
57.5°	4073.7	3866.1	3762.2	3517.0	3488.0
60°	3548.7	3315.0	3188.0	3029.3	3035.1
62.5°	3072.7	2827.3	2674.5	2628.4	2648.5
65°	2642.8	2400.4	2238.9	2299.4	2328.2
67.5°	2253.3	2054.2	1872.4	2013.8	2042.6
70°	1912.8	1754.2	1572.4	1780.2	1794.6
72.5°	1630.0	1500.3	1347.3	1543.5	1575.2
75°	1356.0	1272.4	1156.9	1318.5	1373.3
77.5°	1116.5	1050.2	983.8	1082.0	1142.5
80°	885.7	819.4	784.7	836.6	877.0
82.5°	626.1	582.8	548.2	585.7	605.9
85°	354.8	346.2	311.6	323.1	323.1
87.5°	80.8	92.3	103.9	95.2	80.8
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)