

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: P730847

Luminaire Tested: **HBLED-LD5-30HE-W-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730847
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-L835
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: 27115.0 lumens
Efficiency: N/A
Efficacy: 151.5 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

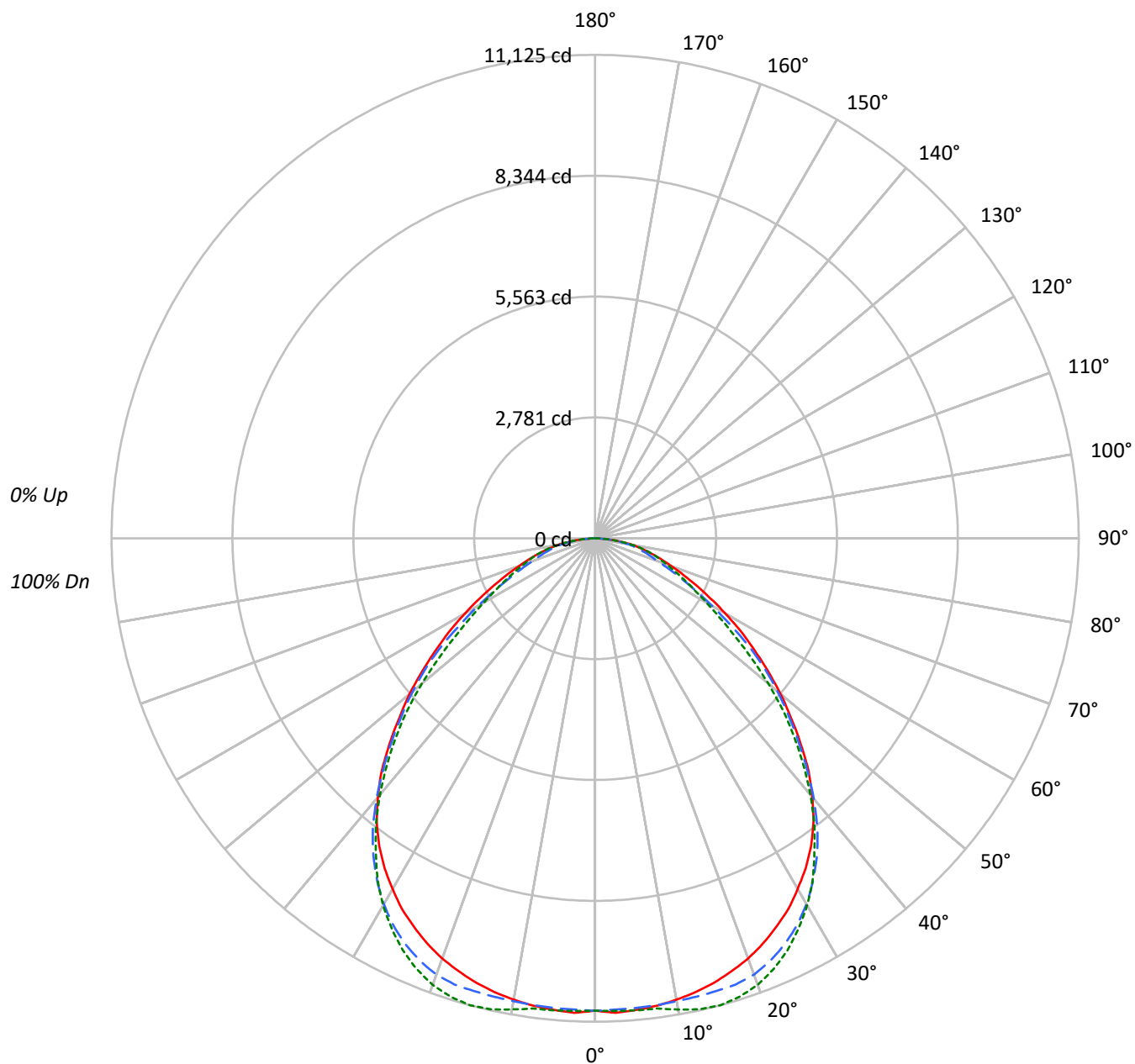
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17554	17554	17554
5°	17658	17585	17671
10°	17673	17733	18051
15°	17695	18028	18595
20°	17683	18358	18787
25°	17576	18375	18645
30°	17373	18132	18189
35°	17063	17544	17334
40°	16390	16491	16231
45°	15272	15112	14804
50°	13982	13757	13053
55°	12559	12094	11036
60°	11139	10007	9526
65°	9814	8314	8646
70°	8777	7215	8234
75°	8222	7015	8327
80°	8005	7093	7927
85°	6389	5611	5819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1035.7	3.8
10°-20°	3050.7	11.3
20°-30°	4693.2	17.3
30°-40°	5477.2	20.2
40°-50°	5089.8	18.8
50°-60°	3772.7	13.9
60°-70°	2306.3	8.5
70°-80°	1313.7	4.8
80°-90°	375.7	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°	8779.6	32.4
0°-40°	14256.8	52.6
0°-60°	23119.3	85.3
0°-90°	27115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10872	10872	10872	10872	10872	
5°	10895	10844	10850	10842	10903	###
15°	10586	10581	10785	10998	11125	2988
25°	9866	9941	10314	10401	10466	4545
35°	8657	8724	8901	8828	8794	5394
45°	6688	6728	6618	6514	6484	5154
55°	4462	4350	4296	3990	3920	4004
65°	2569	2333	2176	2235	2263	2571
75°	1318	1237	1124	1282	1335	1410
85°	345	336	303	314	314	398
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10872.4	10872.4	10872.4	10872.4	10872.4
2.5°	10931.2	10869.5	10858.3	10833.1	10889.1
5°	10894.8	10844.3	10849.8	10841.5	10903.2
7.5°	10852.7	10816.3	10838.7	10835.8	10917.2
10°	10779.8	10760.1	10816.3	10878.0	11009.8
12.5°	10698.4	10678.9	10802.3	10959.2	11102.3
15°	10586.3	10580.6	10785.4	10998.5	11124.7
17.5°	10446.1	10454.5	10765.7	10948.1	11060.2
20°	10291.8	10305.8	10684.4	10833.1	10934.1
22.5°	10092.8	10140.5	10527.4	10650.7	10729.3
25°	9865.6	9941.3	10314.3	10401.2	10465.7
27.5°	9621.6	9697.3	10050.6	10095.5	10132.0
30°	9318.7	9425.3	9725.3	9731.0	9756.2
32.5°	9010.2	9105.6	9335.6	9310.3	9315.9
35°	8656.9	8724.2	8900.9	8828.0	8794.3
37.5°	8250.3	8286.7	8398.9	8289.6	8283.9
40°	7776.3	7824.0	7824.0	7672.6	7700.6
42.5°	7271.6	7288.4	7218.4	7075.3	7097.7
45°	6688.2	6727.5	6618.1	6514.4	6483.6
47.5°	6110.6	6149.8	6034.9	5914.3	5861.1
50°	5566.6	5546.9	5476.9	5272.1	5196.4
52.5°	5002.9	4941.2	4913.2	4613.2	4526.2
55°	4461.6	4349.5	4296.3	3990.5	3920.4
57.5°	3959.7	3757.8	3656.9	3418.5	3390.4
60°	3449.4	3222.2	3098.8	2944.5	2950.1
62.5°	2986.6	2748.2	2599.6	2554.8	2574.4
65°	2568.8	2333.1	2176.2	2235.0	2263.0
67.5°	2190.2	1996.7	1820.0	1957.4	1985.4
70°	1859.3	1705.0	1528.4	1730.3	1744.3
72.5°	1584.4	1458.3	1309.6	1500.3	1531.1
75°	1318.0	1236.8	1124.5	1281.6	1334.9
77.5°	1085.2	1020.8	956.3	1051.7	1110.5
80°	860.9	796.5	762.8	813.2	852.5
82.5°	608.5	566.5	532.8	569.3	589.0
85°	344.9	336.5	302.9	314.1	314.1
87.5°	78.5	89.7	101.0	92.5	78.5
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)