

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: P730844

Luminaire Tested: **HBLED-LD5-30HE-W-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730844
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-L735
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: 28365.0 lumens
Efficiency: N/A
Efficacy: 158.5 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

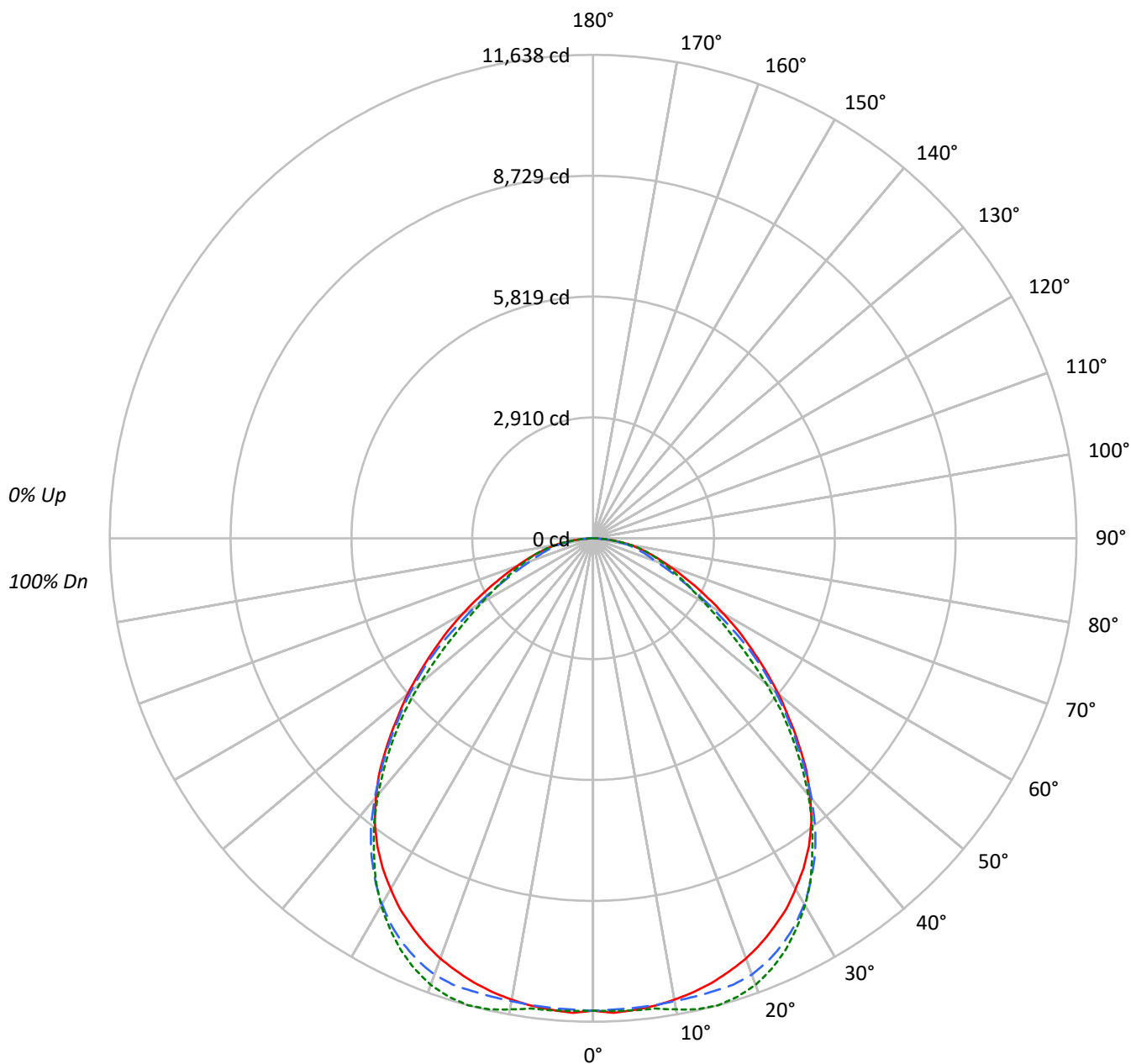
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18364	18364	18364
5°	18472	18396	18486
10°	18488	18551	18883
15°	18511	18859	19453
20°	18499	19204	19653
25°	18386	19222	19504
30°	18174	18967	19028
35°	17850	18353	18133
40°	17146	17251	16979
45°	15976	15808	15487
50°	14627	14391	13654
55°	13138	12651	11544
60°	11652	10468	9966
65°	10266	8697	9045
70°	9182	7548	8614
75°	8601	7339	8711
80°	8374	7419	8292
85°	6684	5871	6086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1083.4	3.8
10°-20°	3191.4	11.3
20°-30°	4909.5	17.3
30°-40°	5729.7	20.2
40°-50°	5324.4	18.8
50°-60°	3946.7	13.9
60°-70°	2412.6	8.5
70°-80°	1374.3	4.8
80°-90°	393.0	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°	9184.3	32.4
0°-40°	14914.0	52.6
0°-60°	24185.1	85.3
0°-90°	28365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11374	11374	11374	11374	11374	
5°	11397	11344	11350	11341	11406	###
15°	11074	11068	11283	11506	11638	3126
25°	10320	10400	10790	10881	10948	4754
35°	9056	9126	9311	9235	9200	5643
45°	6997	7038	6923	6815	6782	5391
55°	4667	4550	4494	4174	4101	4189
65°	2687	2441	2276	2338	2367	2689
75°	1379	1294	1176	1341	1396	1476
85°	361	352	317	328	328	416
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11373.6	11373.6	11373.6	11373.6	11373.6
2.5°	11435.2	11370.6	11358.8	11332.5	11391.1
5°	11397.1	11344.2	11350.0	11341.3	11405.9
7.5°	11353.0	11314.9	11338.3	11335.4	11420.5
10°	11276.8	11256.2	11314.9	11379.4	11517.3
12.5°	11191.6	11171.2	11300.2	11464.4	11614.1
15°	11074.4	11068.4	11282.6	11505.5	11637.6
17.5°	10927.7	10936.5	11262.0	11452.8	11570.1
20°	10766.3	10780.9	11177.0	11332.5	11438.1
22.5°	10558.0	10607.9	11012.7	11141.7	11223.9
25°	10320.4	10399.5	10789.8	10880.7	10948.1
27.5°	10065.2	10144.4	10514.0	10560.9	10599.1
30°	9748.3	9859.8	10173.7	10179.6	10205.9
32.5°	9425.6	9525.4	9765.9	9739.5	9745.3
35°	9056.0	9126.4	9311.2	9235.0	9199.7
37.5°	8630.7	8668.8	8786.1	8671.7	8665.8
40°	8134.8	8184.7	8184.7	8026.4	8055.6
42.5°	7606.8	7624.3	7551.1	7401.4	7424.9
45°	6996.6	7037.7	6923.2	6814.7	6782.5
47.5°	6392.3	6433.3	6313.1	6187.0	6131.3
50°	5823.2	5802.6	5729.4	5515.1	5436.0
52.5°	5233.5	5169.0	5139.7	4825.8	4734.8
55°	4667.3	4550.0	4494.3	4174.5	4101.1
57.5°	4142.2	3931.1	3825.5	3576.1	3546.7
60°	3608.4	3370.7	3241.6	3080.3	3086.1
62.5°	3124.3	2874.9	2719.5	2672.6	2693.0
65°	2687.2	2440.7	2276.5	2338.1	2367.4
67.5°	2291.2	2088.7	1903.9	2047.6	2076.9
70°	1945.0	1783.6	1598.8	1810.1	1824.7
72.5°	1657.4	1525.5	1370.0	1569.4	1601.7
75°	1378.8	1293.8	1176.4	1340.7	1396.4
77.5°	1135.3	1067.9	1000.4	1100.2	1161.7
80°	900.6	833.2	797.9	850.7	891.8
82.5°	636.6	592.6	557.4	595.5	616.1
85°	360.8	352.0	316.9	328.5	328.5
87.5°	82.2	93.8	105.6	96.8	82.2
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)