

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: P730862

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31979.0 lumens
Efficiency: N/A
Efficacy: 178.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

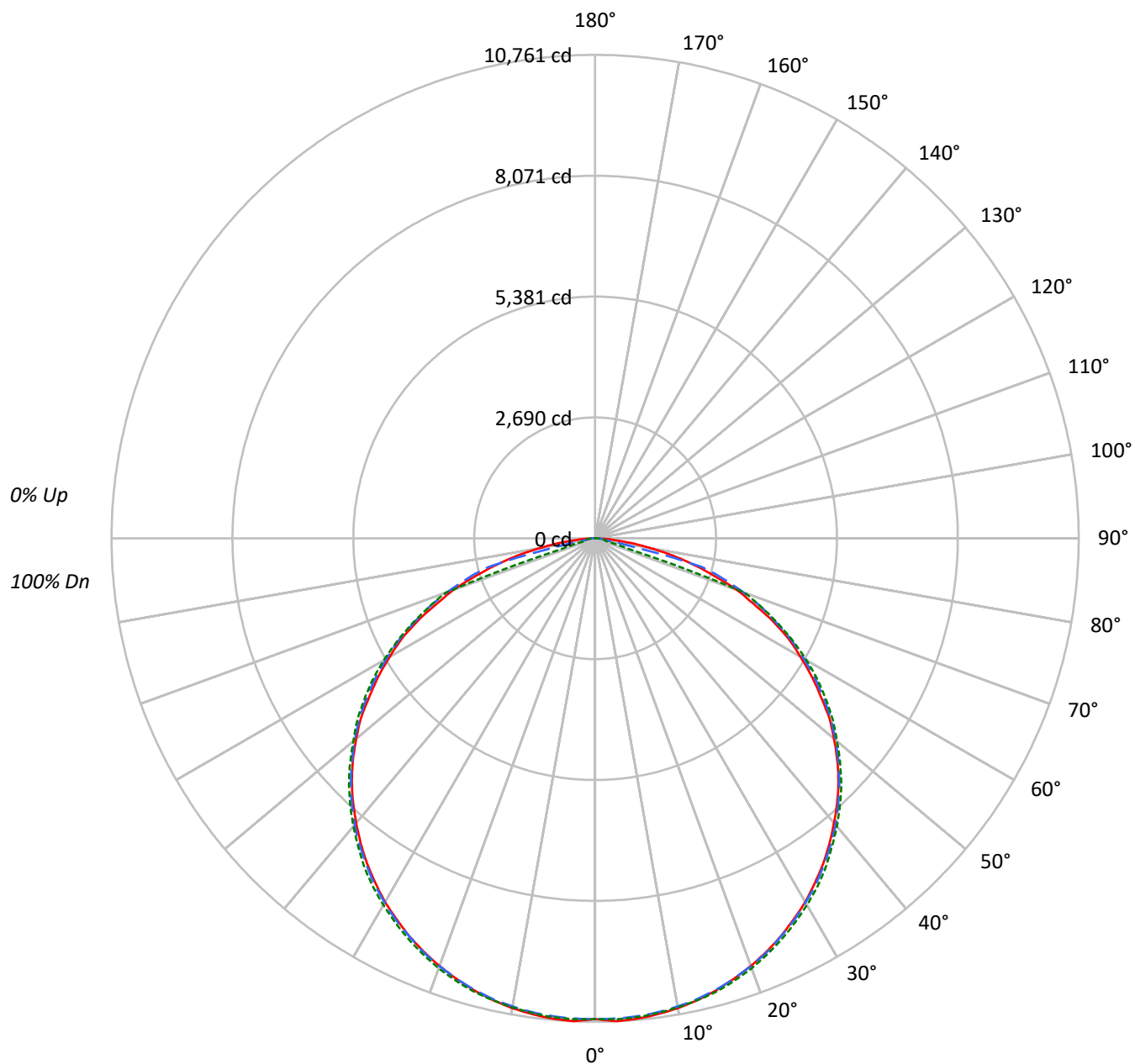
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17278	17278	17278
5°	17402	17313	17344
10°	17411	17349	17384
15°	17409	17385	17465
20°	17408	17412	17502
25°	17416	17425	17531
30°	17435	17457	17573
35°	17432	17489	17634
40°	17435	17545	17641
45°	17484	17549	17690
50°	17431	17532	17646
55°	17239	17481	17669
60°	17043	17320	17536
65°	16666	17012	17140
70°	15822	16498	16700
75°	14113	15303	1844
80°	11348	1906	2017
85°	7551	2473	2518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1016.4	3.2
10°-20°	2936.8	9.2
20°-30°	4512.2	14.1
30°-40°	5554.7	17.4
40°-50°	5921.9	18.5
50°-60°	5535.8	17.3
60°-70°	4382.2	13.7
70°-80°	1864.5	5.8
80°-90°	254.6	0.8
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°	8465.4	26.5
0°-40°	14020.1	43.8
0°-60°	25477.7	79.7
0°-90°	31979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10701	10701	10701	10701	10701	
5°	10737	10689	10682	10639	10701	###
15°	10415	10396	10401	10372	10448	2941
25°	9776	9764	9781	9776	9840	4507
35°	8844	8830	8873	8904	8947	5534
45°	7657	7614	7686	7716	7748	5900
55°	6124	6143	6210	6231	6277	5484
65°	4362	4401	4453	4486	4486	4292
75°	2262	2360	2453	400	296	2393
85°	408	122	134	138	136	531
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10701.1	10701.1	10701.1	10701.1	10701.1
2.5°	10760.7	10710.6	10701.1	10658.2	10715.4
5°	10736.8	10689.2	10682.0	10639.1	10701.1
7.5°	10686.8	10648.6	10643.9	10598.6	10660.6
10°	10620.0	10584.3	10581.9	10541.4	10603.4
12.5°	10529.5	10498.5	10508.0	10467.5	10529.5
15°	10415.0	10396.0	10400.7	10372.1	10448.4
17.5°	10276.8	10267.2	10276.8	10255.3	10324.4
20°	10131.3	10119.4	10133.7	10121.8	10186.2
22.5°	9962.1	9947.8	9976.4	9959.7	10019.3
25°	9776.2	9764.2	9780.9	9776.2	9840.5
27.5°	9564.0	9552.1	9587.8	9590.2	9640.3
30°	9351.8	9335.1	9363.7	9375.7	9425.7
32.5°	9099.1	9094.4	9137.3	9146.8	9199.3
35°	8844.1	8829.8	8872.7	8903.7	8946.6
37.5°	8565.2	8562.8	8608.1	8634.3	8655.7
40°	8271.9	8260.0	8324.4	8350.6	8369.7
42.5°	7974.0	7947.7	8009.7	8043.1	8064.6
45°	7656.9	7614.0	7685.5	7716.5	7747.5
47.5°	7308.9	7270.7	7339.9	7373.2	7394.7
50°	6939.4	6903.6	6979.9	7008.5	7025.2
52.5°	6567.5	6531.7	6612.8	6636.6	6677.2
55°	6124.1	6143.2	6209.9	6231.4	6276.7
57.5°	5714.1	5730.8	5795.1	5821.4	5873.8
60°	5277.8	5304.1	5363.7	5389.9	5430.4
62.5°	4855.9	4858.3	4929.8	4941.7	4972.7
65°	4362.4	4400.6	4453.0	4486.4	4486.4
67.5°	3811.8	3904.7	3995.3	3988.2	4007.2
70°	3351.7	3387.4	3494.7	3511.4	3537.6
72.5°	2774.8	2867.8	2987.0	2231.3	758.1
75°	2262.3	2360.0	2453.0	400.5	295.6
77.5°	1756.9	1833.2	815.3	228.8	224.1
80°	1220.5	1342.1	205.0	209.8	216.9
82.5°	803.4	655.6	169.3	185.9	188.3
85°	407.6	121.6	133.5	138.3	135.9
87.5°	133.5	73.9	76.3	78.7	81.1
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)