

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: P730842

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28368.0 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

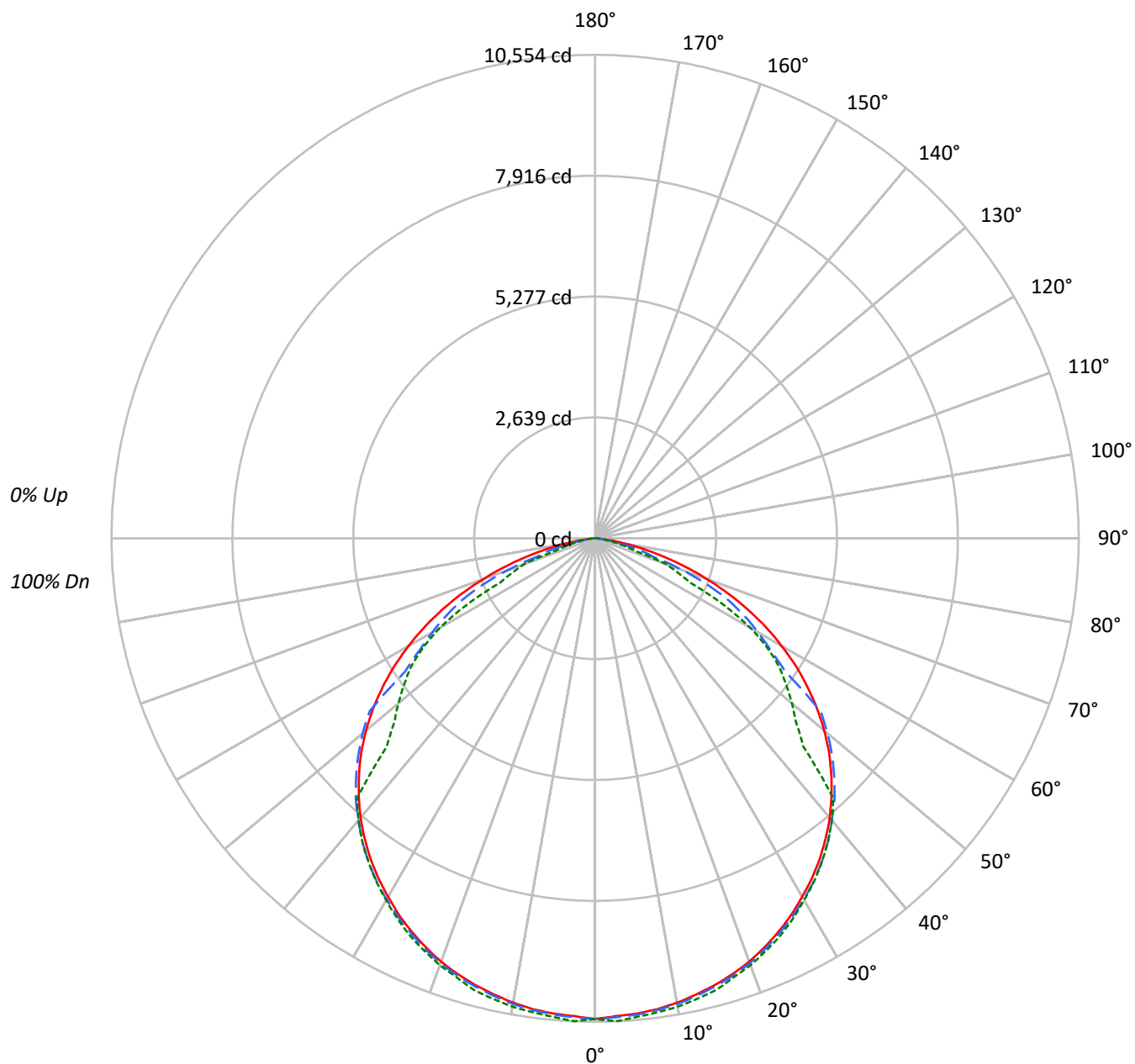
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16942	16942	16942
5°	16881	16918	17001
10°	16879	16927	17025
15°	16878	16929	17066
20°	16899	16962	17042
25°	16880	16943	17046
30°	16848	16972	17010
35°	16840	16993	17006
40°	16787	16936	16936
45°	16643	16845	14677
50°	16386	16633	14082
55°	15921	14238	13832
60°	15175	13235	12637
65°	14033	12286	8752
70°	12219	9560	7798
75°	9653	6416	4192
80°	6213	3065	2613
85°	2556	1871	2058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	995.4	3.5
10°-20°	2869.0	10.1
20°-30°	4398.6	15.5
30°-40°	5391.2	19.0
40°-50°	5542.6	19.5
50°-60°	4730.3	16.7
60°-70°	3127.3	11.0
70°-80°	1158.6	4.1
80°-90°	154.9	0.5
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°	8263.0	29.1
0°-40°	13654.2	48.1
0°-60°	23927.1	84.3
0°-90°	28368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10493	10493	10493	10493	10493	
5°	10415	10488	10438	10479	10489	991
15°	10097	10158	10128	10204	10210	2852
25°	9475	9525	9511	9596	9568	4369
35°	8544	8602	8622	8675	8628	5344
45°	7289	7362	7377	7366	6428	5617
55°	5656	5760	5058	4911	4914	5047
65°	3673	3704	3216	2645	2291	3622
75°	1547	1356	1028	691	672	1660
85°	138	98	101	110	111	228
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10493.2	10493.2	10493.2	10493.2	10493.2
2.5°	10442.1	10507.3	10468.9	10517.4	10554.5
5°	10415.3	10488.1	10438.2	10479.1	10489.4
7.5°	10369.3	10437.0	10391.0	10444.6	10437.0
10°	10295.2	10356.5	10324.6	10380.8	10384.5
12.5°	10200.7	10261.9	10232.6	10301.5	10300.2
15°	10097.1	10158.5	10127.7	10204.5	10209.6
17.5°	9975.8	10032.0	10008.9	10079.3	10051.1
20°	9835.2	9883.7	9872.2	9938.7	9918.2
22.5°	9662.7	9712.5	9701.1	9777.8	9747.0
25°	9475.0	9524.8	9510.7	9596.3	9568.2
27.5°	9271.8	9319.0	9317.7	9398.3	9354.9
30°	9036.7	9099.4	9103.2	9174.7	9123.6
32.5°	8804.2	8862.9	8879.6	8932.0	8888.6
35°	8543.6	8602.3	8621.5	8675.2	8627.9
37.5°	8262.4	8312.3	8346.7	8386.3	8349.3
40°	7964.7	8009.5	8035.1	8083.5	8035.1
42.5°	7632.6	7696.5	7732.3	7766.8	7687.6
45°	7288.9	7361.7	7377.1	7365.5	6427.7
47.5°	6924.8	7004.0	7013.0	6116.1	5943.6
50°	6523.6	6623.3	6622.0	5652.2	5606.3
52.5°	6105.8	6201.7	6197.8	5289.4	5258.8
55°	5656.0	5759.6	5058.1	4911.2	4913.8
57.5°	5197.4	5271.5	4538.2	4544.5	4460.2
60°	4699.2	4769.4	4098.7	4059.1	3913.4
62.5°	4199.6	4229.0	3673.2	3480.2	3203.0
65°	3673.2	3703.8	3215.9	2644.7	2290.8
67.5°	3132.8	3163.4	2668.9	1967.6	1940.7
70°	2588.4	2338.0	2025.1	1639.3	1651.9
72.5°	2051.9	1796.4	1323.6	1269.9	917.3
75°	1547.3	1355.5	1028.5	691.2	672.0
77.5°	1077.1	933.9	550.6	471.5	440.8
80°	668.2	468.9	329.6	292.6	281.0
82.5°	338.6	269.6	178.9	178.9	178.9
85°	138.0	98.4	101.0	109.8	111.1
87.5°	29.3	39.6	48.6	49.8	48.6
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)