

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: P730840

Luminaire Tested: **HBLED-LD5-30HE-W-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730840
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-L750
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: 30434.0 lumens
Efficiency: N/A
Efficacy: 170.0 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

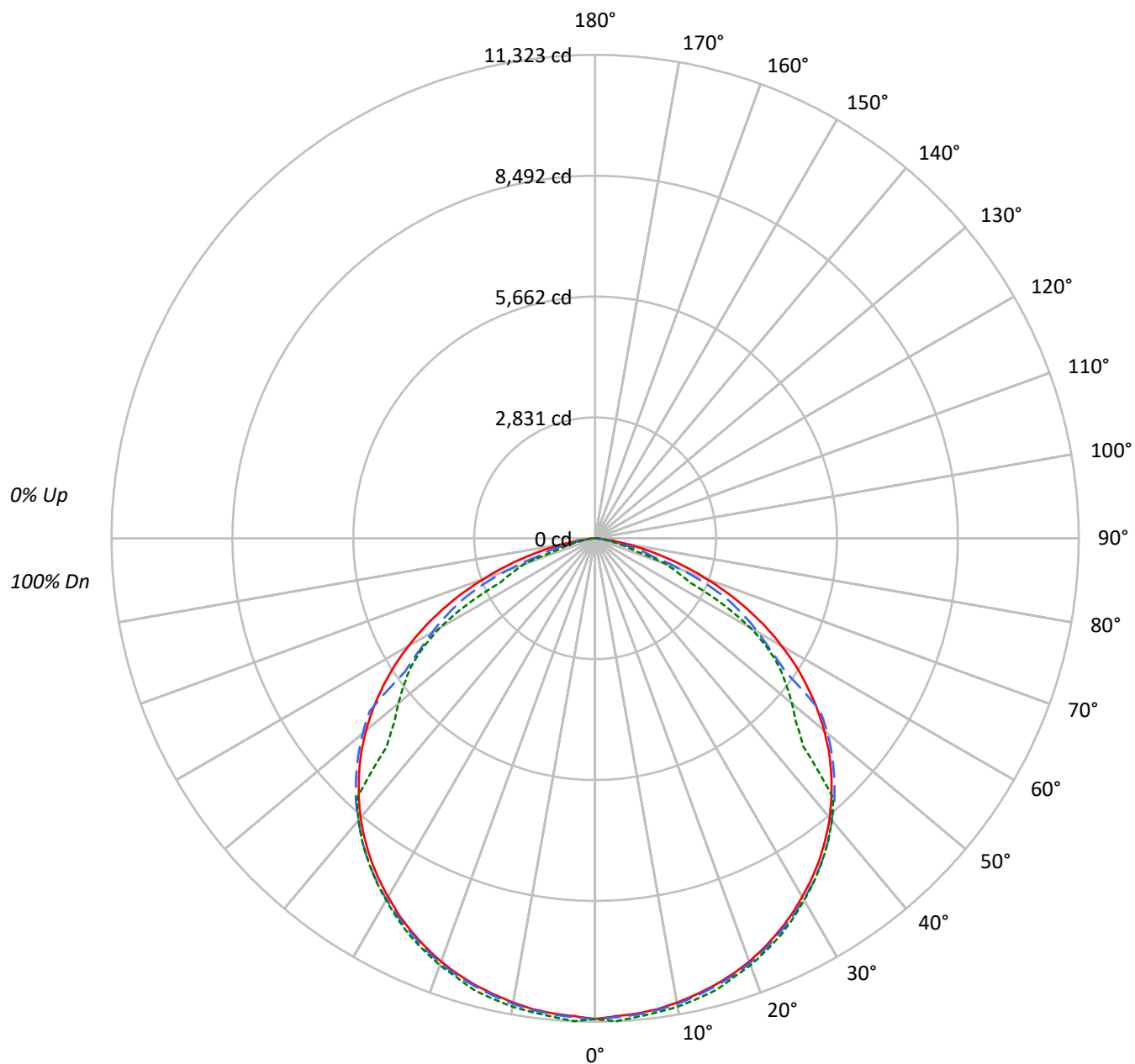
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18176	18176	18176
5°	18110	18150	18239
10°	18108	18160	18265
15°	18107	18162	18309
20°	18130	18198	18283
25°	18109	18177	18287
30°	18075	18208	18248
35°	18066	18231	18245
40°	18010	18169	18169
45°	17855	18071	15746
50°	17580	17845	15108
55°	17081	15275	14840
60°	16280	14199	13557
65°	15055	13181	9389
70°	13109	10256	8367
75°	10355	6883	4497
80°	6665	3288	2803
85°	2744	2006	2208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1067.9	3.5
10°-20°	3078.0	10.1
20°-30°	4719.0	15.5
30°-40°	5783.8	19.0
40°-50°	5946.2	19.5
50°-60°	5074.8	16.7
60°-70°	3355.1	11.0
70°-80°	1243.0	4.1
80°-90°	166.2	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°	8864.8	29.1
0°-40°	14648.6	48.1
0°-60°	25669.7	84.3
0°-90°	30434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11257	11257	11257	11257	11257	
5°	11174	11252	11198	11242	11253	###
15°	10832	10898	10865	10948	10953	3060
25°	10165	10218	10203	10295	10265	4687
35°	9166	9229	9249	9307	9256	5733
45°	7820	7898	7914	7902	6896	6026
55°	6068	6179	5426	5269	5272	5414
65°	3941	3974	3450	2837	2458	3886
75°	1660	1454	1103	742	721	1781
85°	148	106	108	118	119	245
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11257.4	11257.4	11257.4	11257.4	11257.4
2.5°	11202.6	11272.5	11231.3	11283.4	11323.1
5°	11173.8	11251.9	11198.4	11242.3	11253.3
7.5°	11124.5	11197.1	11147.7	11205.3	11197.1
10°	11045.0	11110.7	11076.5	11136.8	11140.8
12.5°	10943.6	11009.3	10977.8	11051.7	11050.4
15°	10832.5	10898.3	10865.3	10947.7	10953.2
17.5°	10702.3	10762.6	10737.9	10813.4	10783.1
20°	10551.5	10603.6	10591.2	10662.5	10640.5
22.5°	10366.4	10419.9	10407.7	10489.9	10456.9
25°	10165.0	10218.5	10203.4	10295.2	10265.1
27.5°	9947.1	9997.7	9996.3	10082.8	10036.2
30°	9694.8	9762.0	9766.2	9842.9	9788.0
32.5°	9445.4	9508.4	9526.3	9582.5	9535.9
35°	9165.8	9228.8	9249.4	9307.0	9256.3
37.5°	8864.2	8917.6	8954.6	8997.1	8957.4
40°	8544.8	8592.8	8620.3	8672.2	8620.3
42.5°	8188.5	8257.1	8295.4	8332.4	8247.4
45°	7819.7	7897.8	7914.3	7901.9	6895.9
47.5°	7429.1	7514.1	7523.7	6561.5	6376.5
50°	6998.7	7105.7	7104.3	6063.8	6014.6
52.5°	6550.5	6653.3	6649.2	5674.6	5641.8
55°	6068.0	6179.0	5426.5	5268.9	5271.7
57.5°	5575.9	5655.4	4868.7	4875.5	4785.0
60°	5041.4	5116.7	4397.2	4354.7	4198.4
62.5°	4505.5	4537.0	3940.7	3733.7	3436.3
65°	3940.7	3973.6	3450.1	2837.3	2457.6
67.5°	3361.0	3393.8	2863.3	2110.9	2082.0
70°	2777.0	2508.3	2172.6	1758.6	1772.3
72.5°	2201.3	1927.2	1420.0	1362.4	984.1
75°	1659.9	1454.3	1103.4	741.6	720.9
77.5°	1155.5	1002.0	590.8	505.8	472.9
80°	716.8	503.0	353.6	313.9	301.5
82.5°	363.2	289.3	191.9	191.9	191.9
85°	148.1	105.6	108.3	117.8	119.2
87.5°	31.5	42.5	52.1	53.5	52.1
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)