

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: P730833

Luminaire Tested: **HBLED-LD5-30HE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-AI-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29060.0 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

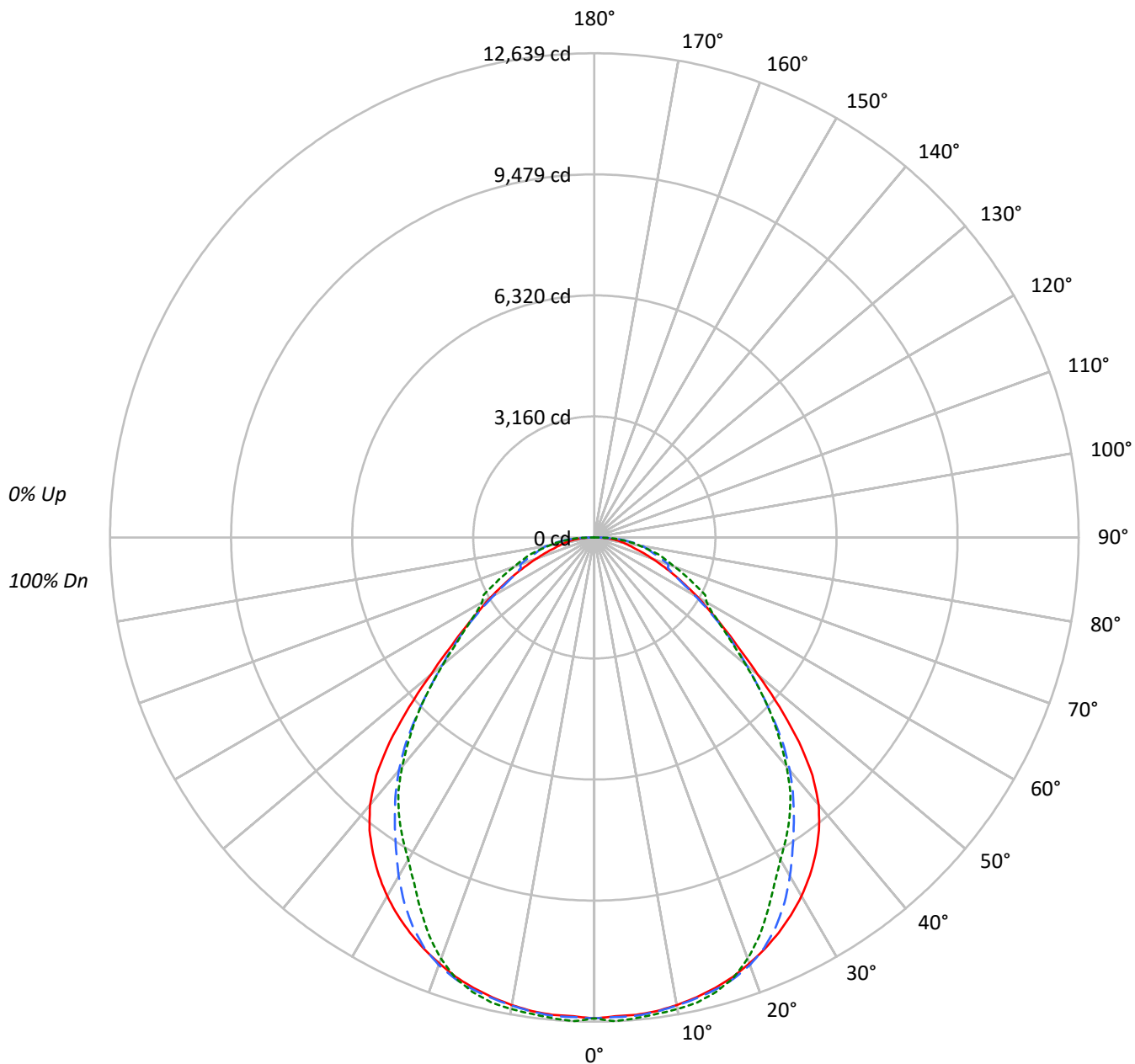
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20271	20271	20271
5°	20270	20314	20413
10°	20320	20346	20495
15°	20351	20427	20527
20°	20331	20406	20104
25°	20279	19976	19107
30°	20160	19033	18106
35°	19856	17889	17516
40°	19192	16726	16451
45°	17250	14936	14881
50°	13991	13009	12920
55°	11618	11402	11397
60°	10059	9765	10917
65°	8717	8663	11004
70°	7516	9718	10489
75°	6740	9960	10936
80°	7006	11725	10971
85°	7953	13512	12536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1195.4	4.1
10°-20°	3452.3	11.9
20°-30°	5127.5	17.6
30°-40°	5821.1	20.0
40°-50°	5203.8	17.9
50°-60°	3598.0	12.4
60°-70°	2374.1	8.2
70°-80°	1601.7	5.5
80°-90°	686.0	2.4
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°	9775.2	33.6
0°-40°	15596.3	53.7
0°-60°	24398.1	84.0
0°-90°	29060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12555	12555	12555	12555	12555	
5°	12506	12583	12534	12585	12595	###
15°	12175	12234	12221	12289	12280	3437
25°	11383	11491	11213	10879	10725	5245
35°	10074	9862	9076	8944	8887	6282
45°	7555	6915	6541	6591	6517	5745
55°	4127	3768	4050	3994	4049	3749
65°	2282	2026	2268	2651	2880	2277
75°	1080	1359	1597	1706	1753	1180
85°	429	597	729	734	677	448
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12554.9	12554.9	12554.9	12554.9	12554.9
2.5°	12512.2	12590.4	12532.1	12586.1	12638.7
5°	12506.4	12583.2	12533.5	12584.6	12594.6
7.5°	12470.9	12542.0	12483.7	12533.5	12544.8
10°	12394.1	12478.0	12409.7	12486.6	12500.8
12.5°	12294.7	12380.0	12320.2	12425.4	12431.1
15°	12175.2	12233.5	12220.7	12288.9	12280.4
17.5°	12024.5	12091.4	12081.4	12098.4	12058.6
20°	11832.6	11907.9	11876.6	11798.5	11700.4
22.5°	11626.5	11717.4	11593.8	11396.2	11258.2
25°	11383.3	11491.4	11212.8	10878.7	10725.1
27.5°	11114.6	11211.3	10747.9	10338.5	10179.2
30°	10813.3	10854.4	10209.0	9819.5	9711.4
32.5°	10464.9	10405.3	9633.2	9375.9	9313.4
35°	10074.0	9862.1	9076.0	8943.8	8886.8
37.5°	9633.2	9245.2	8525.8	8464.7	8404.9
40°	9105.9	8532.8	7935.8	7896.0	7805.0
42.5°	8424.9	7758.1	7280.4	7233.5	7152.4
45°	7554.8	6915.0	6541.1	6590.9	6517.0
47.5°	6553.9	6069.2	5831.7	5968.2	5831.7
50°	5570.1	5244.6	5179.2	5302.9	5143.7
52.5°	4764.0	4471.2	4606.3	4627.5	4532.4
55°	4127.1	3767.5	4050.4	3993.5	4048.9
57.5°	3572.7	3170.3	3518.7	3453.2	3643.7
60°	3114.9	2662.8	3024.0	3009.7	3380.7
62.5°	2665.7	2304.6	2594.5	2803.5	3259.9
65°	2281.8	2025.9	2267.6	2651.4	2880.4
67.5°	1913.6	1816.9	2074.2	2287.4	2537.7
70°	1592.2	1642.0	2058.5	2018.8	2222.0
72.5°	1322.2	1491.4	1816.9	1824.0	1967.6
75°	1080.5	1359.2	1596.6	1706.0	1753.0
77.5°	898.5	1232.6	1441.6	1480.0	1434.5
80°	753.5	1086.1	1261.0	1244.0	1179.9
82.5°	608.4	823.2	993.8	1009.4	934.0
85°	429.3	597.2	729.4	733.6	676.7
87.5°	230.3	368.3	442.2	454.9	420.8
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)