

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: P730273

Luminaire Tested: **HBLED-LD5-12HE-W-CL-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730273
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-LD5-12HE-W-CL-WG-UNV-L850
Description: 12000 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: 11280.0 lumens
Efficiency: N/A
Efficacy: 155.2 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

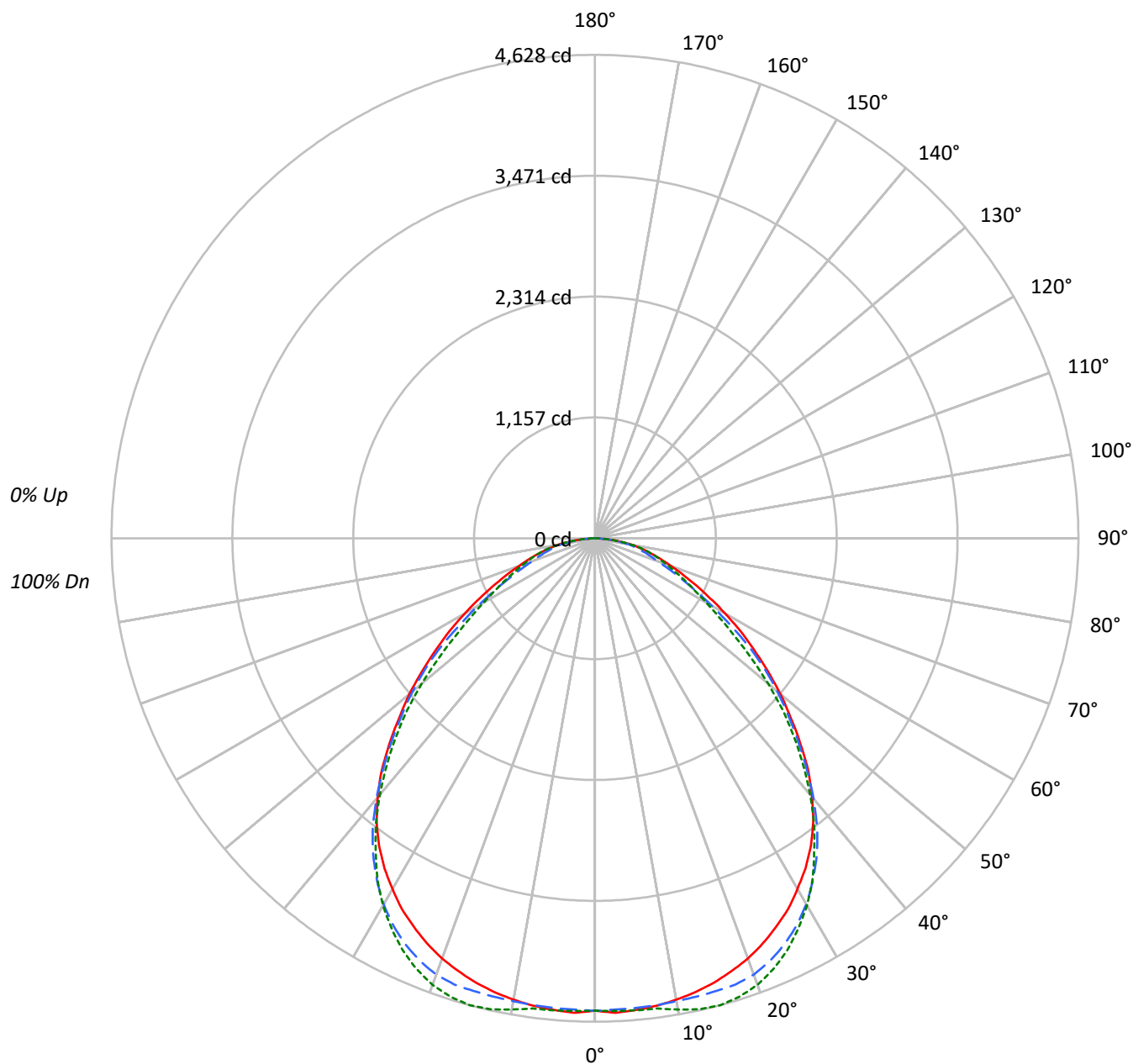
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7303	7303	7303
5°	7346	7315	7351
10°	7352	7377	7509
15°	7361	7500	7736
20°	7357	7637	7815
25°	7311	7644	7756
30°	7227	7543	7567
35°	7098	7298	7211
40°	6818	6860	6752
45°	6353	6287	6159
50°	5817	5723	5430
55°	5225	5031	4591
60°	4634	4163	3963
65°	4083	3459	3597
70°	3651	3001	3425
75°	3420	2918	3464
80°	3330	2950	3297
85°	2658	2334	2419



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	3.8
10°-20°	1269.1	11.3
20°-30°	1952.4	17.3
30°-40°	2278.5	20.2
40°-50°	2117.4	18.8
50°-60°	1569.5	13.9
60°-70°	959.4	8.5
70°-80°	546.5	4.8
80°-90°	156.3	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°	3652.4	32.4
0°-40°	5930.9	52.6
0°-60°	9617.7	85.3
0°-90°	11280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4523	4523	4523	4523	4523	
5°	4532	4511	4514	4510	4536	431
15°	4404	4402	4487	4575	4628	1243
25°	4104	4136	4291	4327	4354	1891
35°	3601	3629	3703	3672	3658	2244
45°	2782	2799	2753	2710	2697	2144
55°	1856	1809	1787	1660	1631	1666
65°	1069	971	905	930	941	1069
75°	548	514	468	533	555	587
85°	144	140	126	131	131	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4523.0	4523.0	4523.0	4523.0	4523.0
2.5°	4547.5	4521.8	4517.1	4506.6	4529.9
5°	4532.3	4511.3	4513.6	4510.1	4535.8
7.5°	4514.8	4499.6	4509.0	4507.8	4541.6
10°	4484.5	4476.3	4499.6	4525.3	4580.1
12.5°	4450.6	4442.5	4493.8	4559.1	4618.6
15°	4404.0	4401.6	4486.8	4575.4	4628.0
17.5°	4345.6	4349.1	4478.6	4554.5	4601.1
20°	4281.5	4287.3	4444.8	4506.6	4548.6
22.5°	4198.6	4218.5	4379.4	4430.8	4463.4
25°	4104.1	4135.6	4290.8	4327.0	4353.8
27.5°	4002.7	4034.1	4181.1	4199.8	4215.0
30°	3876.6	3921.0	4045.8	4048.2	4058.6
32.5°	3748.3	3788.0	3883.7	3873.1	3875.5
35°	3601.3	3629.3	3702.8	3672.5	3658.5
37.5°	3432.2	3447.3	3494.0	3448.5	3446.2
40°	3235.0	3254.8	3254.8	3191.9	3203.5
42.5°	3025.0	3032.0	3002.9	2943.4	2952.7
45°	2782.3	2798.7	2753.2	2710.0	2697.2
47.5°	2542.0	2558.4	2510.5	2460.4	2438.2
50°	2315.7	2307.5	2278.4	2193.2	2161.7
52.5°	2081.2	2055.6	2043.9	1919.1	1882.9
55°	1856.1	1809.4	1787.3	1660.1	1630.9
57.5°	1647.2	1563.3	1521.3	1422.1	1410.4
60°	1435.0	1340.4	1289.1	1224.9	1227.3
62.5°	1242.5	1143.3	1081.5	1062.8	1070.9
65°	1068.6	970.6	905.3	929.8	941.4
67.5°	911.1	830.6	757.1	814.3	825.9
70°	773.5	709.3	635.8	719.8	725.6
72.5°	659.1	606.6	544.8	624.1	637.0
75°	548.3	514.5	467.8	533.2	555.3
77.5°	451.5	424.7	397.8	437.5	462.0
80°	358.1	331.3	317.3	338.3	354.6
82.5°	253.2	235.7	221.7	236.8	245.0
85°	143.5	140.0	126.0	130.6	130.6
87.5°	32.7	37.3	42.0	38.5	32.7
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)