

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: P730254

Luminaire Tested: **HBLED-LD5-12HE-W-A-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-A-UNV-L840
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10963.0 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

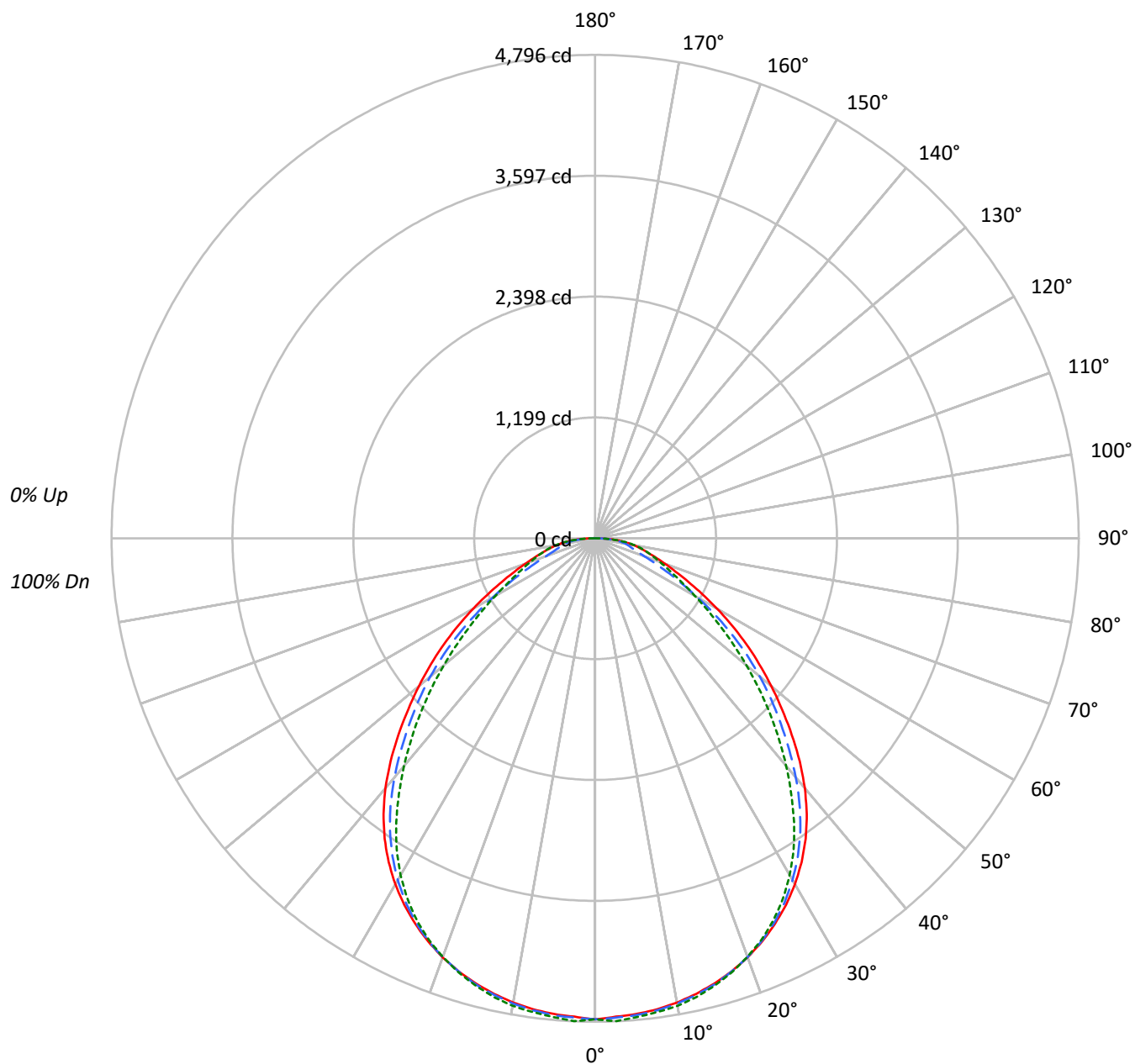
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7705	7705	7705
5°	7678	7696	7727
10°	7667	7685	7724
15°	7642	7657	7675
20°	7602	7596	7591
25°	7519	7493	7451
30°	7389	7300	7194
35°	7175	6994	6779
40°	6818	6525	6212
45°	6298	5947	5587
50°	5726	5355	4914
55°	5148	4636	4248
60°	4505	3789	3686
65°	3884	2980	3327
70°	3463	2432	3206
75°	3318	2374	3351
80°	3588	2807	3733
85°	4029	3381	4068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.3	4.1
10°-20°	1294.5	11.8
20°-30°	1936.4	17.7
30°-40°	2209.3	20.2
40°-50°	2011.0	18.3
50°-60°	1476.7	13.5
60°-70°	871.9	8.0
70°-80°	499.7	4.6
80°-90°	211.3	1.9
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°	3683.2	33.6
0°-40°	5892.4	53.7
0°-60°	9380.1	85.6
0°-90°	10963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4772	4772	4772	4772	4772	
5°	4737	4767	4748	4767	4768	450
15°	4572	4597	4581	4597	4592	1290
25°	4221	4236	4206	4205	4182	1943
35°	3640	3622	3548	3488	3439	2268
45°	2758	2742	2604	2488	2447	2126
55°	1829	1744	1647	1528	1509	1636
65°	1017	888	780	834	871	1023
75°	532	456	380	496	537	573
85°	218	201	182	215	220	227
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4772.4	4772.4	4772.4	4772.4	4772.4
2.5°	4750.3	4777.8	4760.5	4779.4	4795.5
5°	4737.4	4767.0	4748.2	4767.0	4767.5
7.5°	4713.7	4741.1	4722.9	4743.3	4741.1
10°	4676.6	4704.0	4687.4	4709.4	4711.0
12.5°	4629.2	4655.6	4638.4	4663.7	4659.4
15°	4571.6	4596.9	4580.8	4596.9	4591.6
17.5°	4503.8	4527.0	4506.0	4523.7	4514.6
20°	4424.1	4443.5	4420.9	4437.6	4417.7
22.5°	4328.9	4346.1	4322.4	4331.6	4311.1
25°	4220.7	4235.8	4206.2	4204.6	4182.5
27.5°	4100.1	4108.2	4070.5	4057.6	4032.3
30°	3963.5	3965.6	3915.5	3891.3	3858.5
32.5°	3810.0	3804.7	3740.6	3704.6	3664.2
35°	3640.0	3622.2	3548.5	3487.7	3439.2
37.5°	3447.8	3419.9	3331.6	3241.7	3195.4
40°	3234.7	3201.9	3095.8	2984.4	2947.3
42.5°	3002.7	2974.8	2849.9	2733.6	2697.0
45°	2758.4	2742.2	2604.4	2487.6	2446.7
47.5°	2514.0	2502.2	2367.6	2248.7	2199.1
50°	2279.4	2253.5	2131.9	2001.6	1956.4
52.5°	2051.7	1998.9	1891.8	1758.3	1725.0
55°	1828.9	1744.4	1647.0	1527.5	1509.2
57.5°	1608.2	1498.9	1404.2	1314.9	1314.3
60°	1395.1	1270.2	1173.3	1126.5	1141.6
62.5°	1195.4	1067.3	962.3	965.6	993.0
65°	1016.7	887.5	779.9	834.2	870.8
67.5°	863.3	740.0	630.8	732.0	766.9
70°	733.6	622.2	515.1	641.5	679.2
72.5°	624.4	530.7	434.4	566.2	604.4
75°	531.8	455.9	380.5	496.3	537.1
77.5°	456.4	389.1	341.3	429.5	472.0
80°	385.9	326.7	301.9	364.9	401.5
82.5°	305.7	264.8	250.3	296.5	315.4
85°	217.5	200.7	182.5	215.3	219.6
87.5°	119.5	123.8	102.2	123.8	124.3
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)