

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: P730261

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730261
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-LD5-12HE-W-AI-UNV-L850
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11216.0 lumens
Efficiency: N/A
Efficacy: 154.3 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

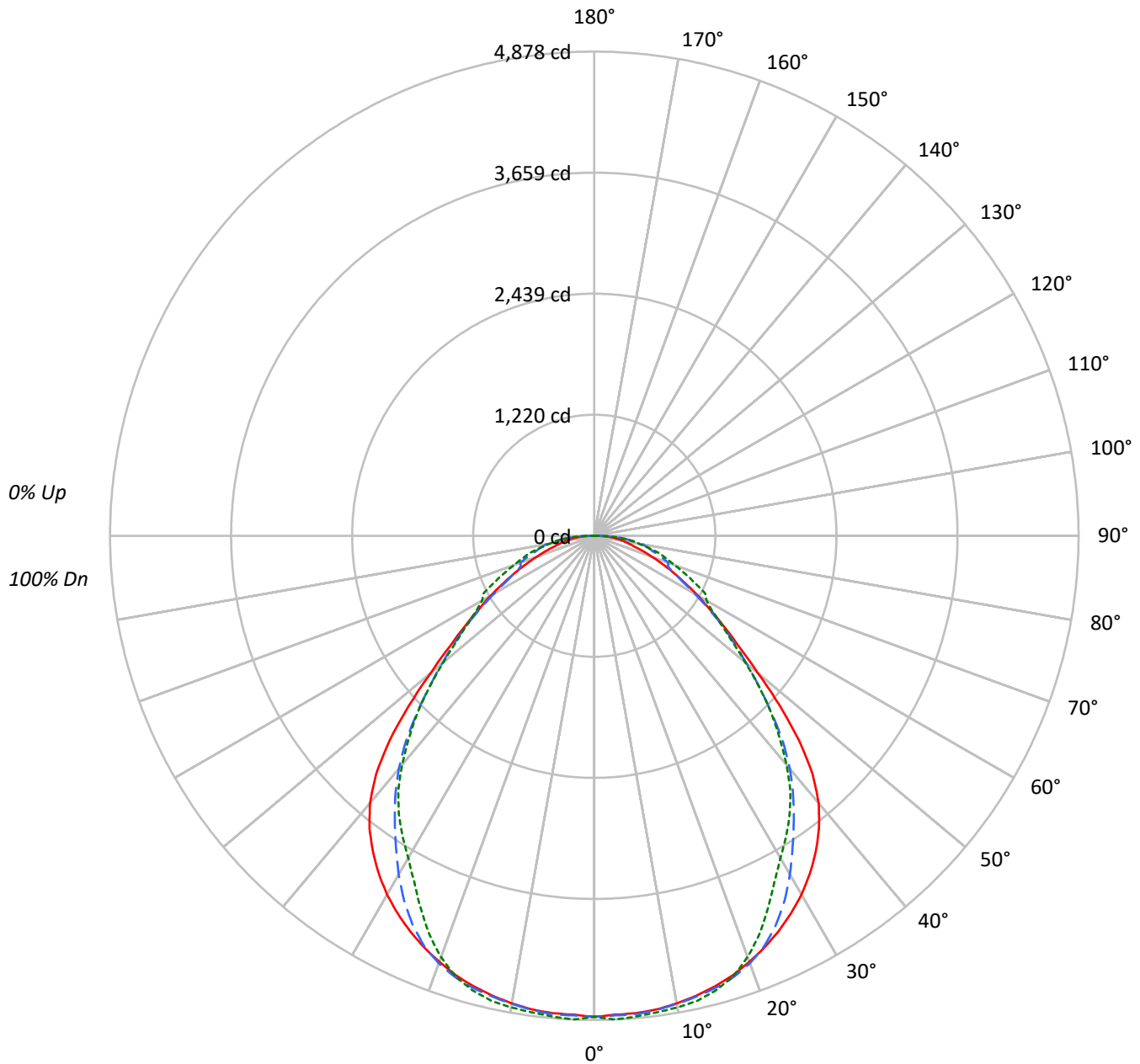
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7824	7824	7824
5°	7823	7840	7878
10°	7843	7853	7910
15°	7855	7884	7923
20°	7847	7876	7759
25°	7827	7710	7375
30°	7781	7346	6988
35°	7664	6905	6761
40°	7407	6456	6349
45°	6658	5765	5743
50°	5400	5021	4987
55°	4484	4401	4399
60°	3882	3769	4213
65°	3365	3344	4247
70°	2901	3751	4049
75°	2601	3844	4221
80°	2704	4525	4234
85°	3070	5215	4839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.4	4.1
10°-20°	1332.5	11.9
20°-30°	1979.0	17.6
30°-40°	2246.7	20.0
40°-50°	2008.5	17.9
50°-60°	1388.7	12.4
60°-70°	916.3	8.2
70°-80°	618.2	5.5
80°-90°	264.8	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°	3772.8	33.6
0°-40°	6019.6	53.7
0°-60°	9416.7	84.0
0°-90°	11216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4846	4846	4846	4846	4846	
5°	4827	4857	4837	4857	4861	459
15°	4699	4722	4717	4743	4740	1326
25°	4394	4435	4328	4199	4140	2024
35°	3888	3806	3503	3452	3430	2425
45°	2916	2669	2525	2544	2515	2217
55°	1593	1454	1563	1541	1563	1447
65°	881	782	875	1023	1112	879
75°	417	525	616	658	677	455
85°	166	230	282	283	261	173
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4845.7	4845.7	4845.7	4845.7	4845.7
2.5°	4829.2	4859.4	4836.9	4857.7	4878.0
5°	4827.0	4856.6	4837.4	4857.2	4861.0
7.5°	4813.3	4840.7	4818.2	4837.4	4841.8
10°	4783.6	4816.0	4789.7	4819.3	4824.8
12.5°	4745.3	4778.2	4755.1	4795.7	4797.9
15°	4699.1	4721.6	4716.7	4743.0	4739.7
17.5°	4641.0	4666.8	4662.9	4669.5	4654.2
20°	4566.9	4596.0	4583.9	4553.7	4515.9
22.5°	4487.4	4522.4	4474.8	4398.5	4345.2
25°	4393.5	4435.2	4327.7	4198.7	4139.5
27.5°	4289.8	4327.1	4148.2	3990.2	3928.8
30°	4173.5	4189.4	3940.3	3789.9	3748.2
32.5°	4039.0	4016.0	3718.0	3618.7	3594.6
35°	3888.2	3806.4	3503.0	3451.9	3430.0
37.5°	3718.0	3568.3	3290.6	3267.0	3243.9
40°	3514.5	3293.3	3062.9	3047.6	3012.4
42.5°	3251.7	2994.3	2809.9	2791.8	2760.5
45°	2915.9	2668.9	2524.6	2543.8	2515.3
47.5°	2529.5	2342.5	2250.8	2303.5	2250.8
50°	2149.8	2024.2	1999.0	2046.7	1985.2
52.5°	1838.7	1725.7	1777.8	1786.0	1749.3
55°	1592.9	1454.1	1563.3	1541.3	1562.7
57.5°	1378.9	1223.6	1358.1	1332.8	1406.3
60°	1202.2	1027.7	1167.1	1161.6	1304.8
62.5°	1028.9	889.5	1001.4	1082.1	1258.2
65°	880.7	781.9	875.2	1023.4	1111.7
67.5°	738.6	701.2	800.5	882.9	979.5
70°	614.5	633.7	794.5	779.2	857.6
72.5°	510.3	575.6	701.2	704.0	759.4
75°	417.0	524.6	616.2	658.5	676.6
77.5°	346.8	475.7	556.4	571.2	553.7
80°	290.8	419.2	486.7	480.1	455.4
82.5°	234.8	317.7	383.6	389.6	360.5
85°	165.7	230.5	281.5	283.2	261.2
87.5°	88.9	142.1	170.7	175.6	162.4
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)