

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: P730255

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730255
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-L850
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: 11178.0 lumens
Efficiency: N/A
Efficacy: 153.8 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

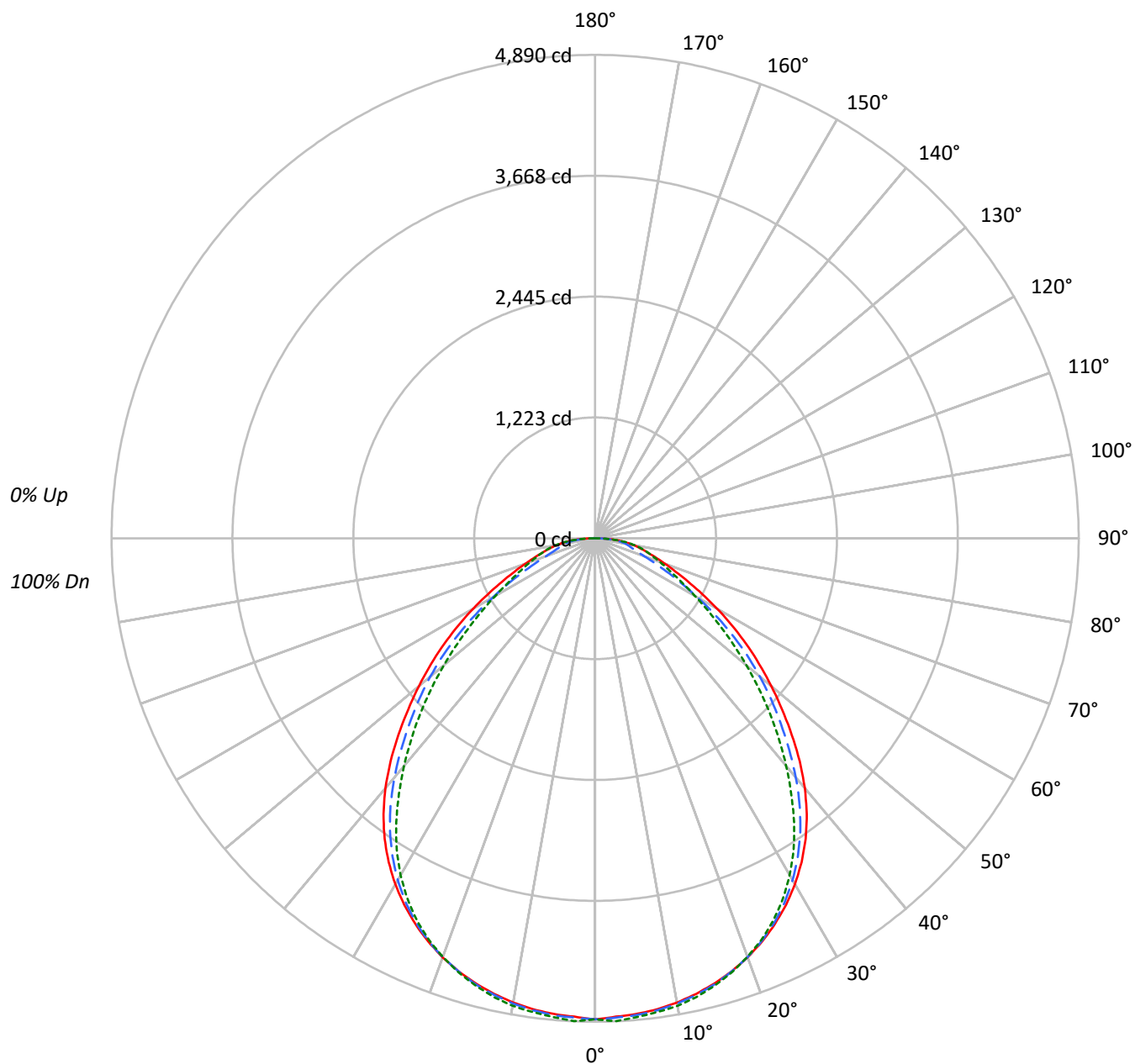
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	105	101	98	107	103	100	96	99	96	93		95	93	90		91
2	101	93	87	82	98	91	86	81	88	83	79		85	81	77		82
3	93	83	75	70	90	81	75	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	60	71	64	59		68	63	58		66
5	79	67	59	52	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	72	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	67	55	47	41	53	46	41		52	45	41		50
8	64	51	43	37	62	50	42	37	49	42	37		48	41	37		47
9	60	47	39	34	58	46	39	34	45	38	33		44	38	33		43
10	56	43	36	31	55	43	36	31	42	35	31		41	35	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7856	7856	7856
5°	7829	7847	7878
10°	7818	7836	7875
15°	7792	7807	7825
20°	7751	7745	7739
25°	7667	7640	7597
30°	7534	7443	7335
35°	7315	7131	6912
40°	6951	6653	6334
45°	6422	6063	5696
50°	5838	5460	5011
55°	5249	4727	4332
60°	4593	3863	3759
65°	3960	3038	3392
70°	3531	2479	3270
75°	3382	2420	3416
80°	3659	2863	3807
85°	4107	3446	4148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.2	4.1
10°-20°	1319.8	11.8
20°-30°	1974.4	17.7
30°-40°	2252.6	20.2
40°-50°	2050.5	18.3
50°-60°	1505.6	13.5
60°-70°	889.0	8.0
70°-80°	509.5	4.6
80°-90°	215.4	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°	3755.4	33.6
0°-40°	6008.0	53.7
0°-60°	9564.1	85.6
0°-90°	11178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4866	4866	4866	4866	4866	
5°	4830	4860	4841	4860	4861	459
15°	4661	4687	4671	4687	4682	1315
25°	4304	4319	4289	4287	4264	1981
35°	3711	3693	3618	3556	3507	2312
45°	2812	2796	2656	2536	2495	2167
55°	1865	1779	1679	1557	1539	1668
65°	1037	905	795	851	888	1043
75°	542	465	388	506	548	584
85°	222	205	186	220	224	232
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4865.9	4865.9	4865.9	4865.9	4865.9
2.5°	4843.4	4871.5	4853.9	4873.1	4889.6
5°	4830.3	4860.5	4841.3	4860.5	4861.0
7.5°	4806.2	4834.1	4815.5	4836.4	4834.1
10°	4768.3	4796.3	4779.3	4801.8	4803.4
12.5°	4720.0	4746.9	4729.4	4755.1	4750.7
15°	4661.3	4687.1	4670.6	4687.1	4681.6
17.5°	4592.1	4615.7	4594.3	4612.5	4603.1
20°	4510.9	4530.7	4507.6	4524.6	4504.3
22.5°	4413.8	4431.3	4407.2	4416.5	4395.6
25°	4303.5	4318.8	4288.7	4287.0	4264.5
27.5°	4180.5	4188.8	4150.4	4137.2	4111.4
30°	4041.2	4043.4	3992.3	3967.7	3934.1
32.5°	3884.7	3879.3	3814.0	3777.2	3736.0
35°	3711.4	3693.2	3618.1	3556.1	3506.7
37.5°	3515.5	3486.9	3396.9	3305.3	3258.0
40°	3298.1	3264.7	3156.6	3042.9	3005.1
42.5°	3061.6	3033.1	2905.8	2787.2	2749.9
45°	2812.5	2796.0	2655.5	2536.4	2494.7
47.5°	2563.3	2551.3	2414.1	2292.8	2242.3
50°	2324.1	2297.7	2173.7	2040.9	1994.8
52.5°	2091.9	2038.1	1929.0	1792.8	1758.8
55°	1864.7	1778.6	1679.3	1557.4	1538.8
57.5°	1639.7	1528.3	1431.8	1340.6	1340.1
60°	1422.4	1295.1	1196.3	1148.6	1164.0
62.5°	1218.8	1088.2	981.2	984.5	1012.5
65°	1036.6	904.9	795.2	850.6	887.9
67.5°	880.2	754.6	643.2	746.3	782.0
70°	748.0	634.4	525.2	654.1	692.6
72.5°	636.6	541.1	442.9	577.3	616.3
75°	542.2	464.8	388.0	506.0	547.6
77.5°	465.4	396.8	347.9	437.9	481.3
80°	393.5	333.1	307.9	372.1	409.4
82.5°	311.7	270.0	255.2	302.4	321.6
85°	221.7	204.7	186.0	219.5	223.9
87.5°	121.8	126.2	104.2	126.2	126.7
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)