

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: P730276

Luminaire Tested: **HBLED-LD5-12HE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CLI-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12430.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

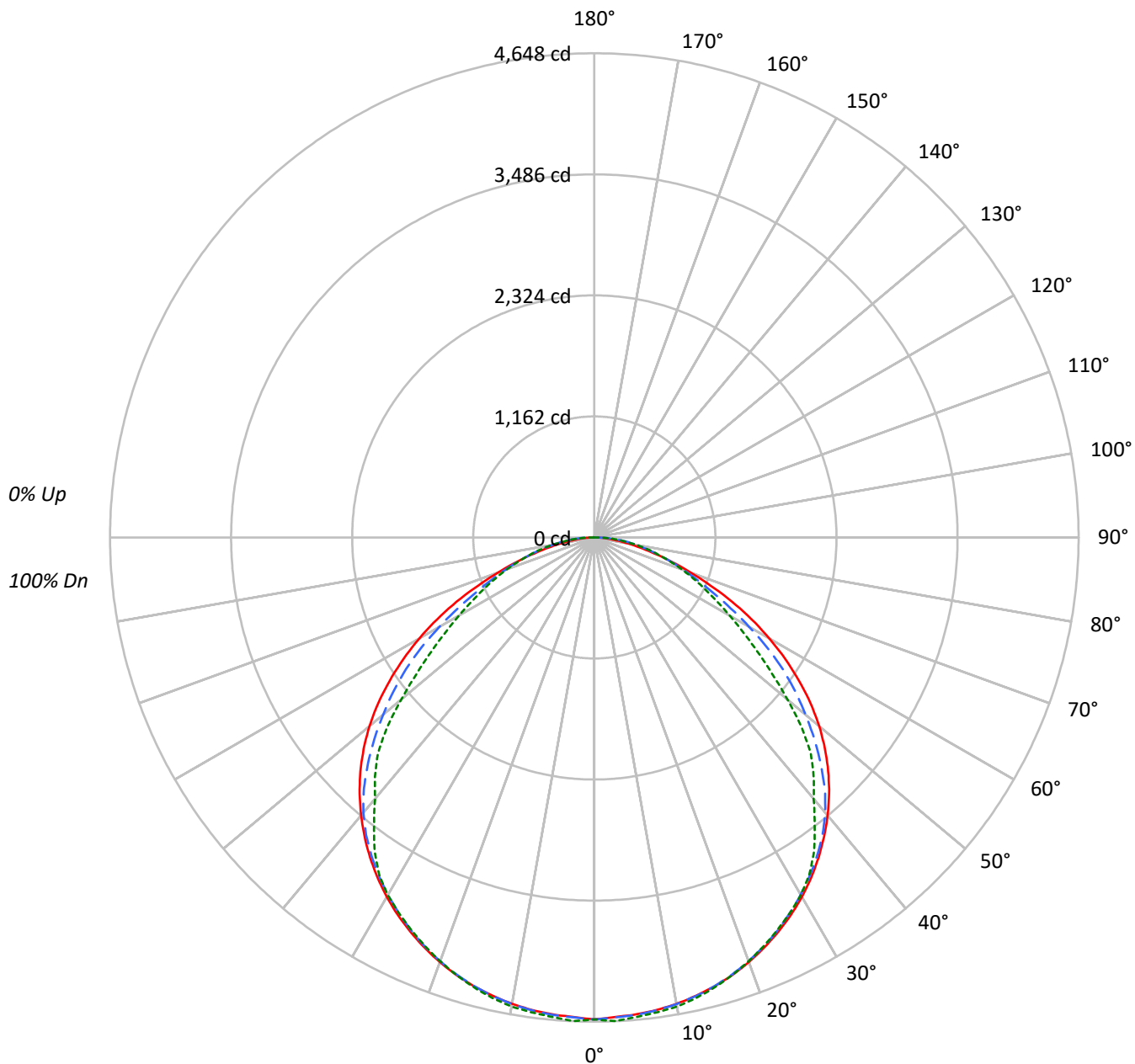
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7470	7470	7470
5°	7450	7455	7489
10°	7454	7458	7497
15°	7455	7454	7472
20°	7453	7436	7438
25°	7442	7414	7405
30°	7429	7385	7389
35°	7395	7349	7245
40°	7342	7267	6901
45°	7249	7017	6710
50°	7075	6643	6077
55°	6752	6213	5373
60°	6267	5544	4846
65°	5570	4800	4456
70°	4623	4289	4200
75°	3739	3926	3974
80°	2970	3755	3739
85°	2325	4033	3848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.8	3.5
10°-20°	1262.0	10.2
20°-30°	1924.4	15.5
30°-40°	2328.2	18.7
40°-50°	2358.3	19.0
50°-60°	1949.2	15.7
60°-70°	1287.4	10.4
70°-80°	671.3	5.4
80°-90°	210.4	1.7
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°	3625.2	29.2
0°-40°	5953.4	47.9
0°-60°	10260.8	82.5
0°-90°	12430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4626	4626	4626	4626	4626	
5°	4596	4624	4600	4620	4620	437
15°	4460	4483	4459	4473	4470	1259
25°	4177	4194	4162	4172	4157	1926
35°	3752	3757	3728	3723	3676	2347
45°	3175	3166	3073	2978	2939	2445
55°	2399	2363	2207	1993	1909	2138
65°	1458	1416	1256	1175	1166	1440
75°	599	610	629	638	637	653
85°	126	162	218	216	208	152
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4626.5	4626.5	4626.5	4626.5	4626.5
2.5°	4607.1	4634.3	4611.5	4631.5	4647.6
5°	4596.5	4624.3	4599.9	4619.9	4620.4
7.5°	4576.0	4603.8	4578.7	4598.7	4598.2
10°	4546.5	4572.7	4548.7	4572.7	4572.7
12.5°	4506.6	4532.1	4508.8	4531.0	4527.6
15°	4459.9	4482.7	4459.4	4473.2	4469.9
17.5°	4404.9	4425.5	4399.3	4411.0	4404.4
20°	4337.7	4356.6	4327.7	4342.7	4328.8
22.5°	4262.1	4279.9	4250.5	4261.6	4246.0
25°	4177.2	4193.9	4161.7	4172.2	4156.7
27.5°	4085.5	4100.5	4064.4	4077.2	4065.0
30°	3985.0	3992.3	3961.2	3977.8	3963.4
32.5°	3872.8	3877.3	3850.0	3865.0	3840.6
35°	3751.7	3756.8	3728.4	3723.4	3675.7
37.5°	3622.3	3624.6	3597.9	3552.9	3474.0
40°	3483.5	3482.4	3448.0	3344.1	3274.1
42.5°	3335.2	3334.7	3274.1	3155.8	3115.8
45°	3174.7	3166.4	3073.0	2977.5	2938.6
47.5°	3002.5	2993.6	2863.1	2787.0	2698.7
50°	2816.5	2800.9	2644.8	2540.9	2419.3
52.5°	2616.0	2592.0	2433.2	2265.5	2150.5
55°	2398.8	2363.2	2207.2	1992.8	1908.9
57.5°	2172.8	2120.0	1968.3	1759.5	1691.2
60°	1940.6	1881.7	1716.7	1545.2	1500.7
62.5°	1701.7	1643.5	1475.2	1345.8	1321.3
65°	1457.9	1415.7	1256.3	1174.7	1166.4
67.5°	1208.0	1193.0	1071.4	1029.7	1026.4
70°	979.2	976.4	908.6	887.5	889.7
72.5°	782.6	779.2	769.3	758.7	759.2
75°	599.3	609.8	629.3	637.6	637.1
77.5°	447.1	468.8	509.9	526.5	523.7
80°	319.4	351.6	403.8	419.3	402.1
82.5°	212.7	246.6	308.2	310.5	296.6
85°	125.5	161.6	217.7	216.1	207.7
87.5°	62.2	97.2	130.5	124.9	119.4
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)