

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: P730259

Luminaire Tested: **HBLED-LD5-12HE-W-AI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730259
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-L835
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: 10692.0 lumens
Efficiency: N/A
Efficacy: 147.1 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

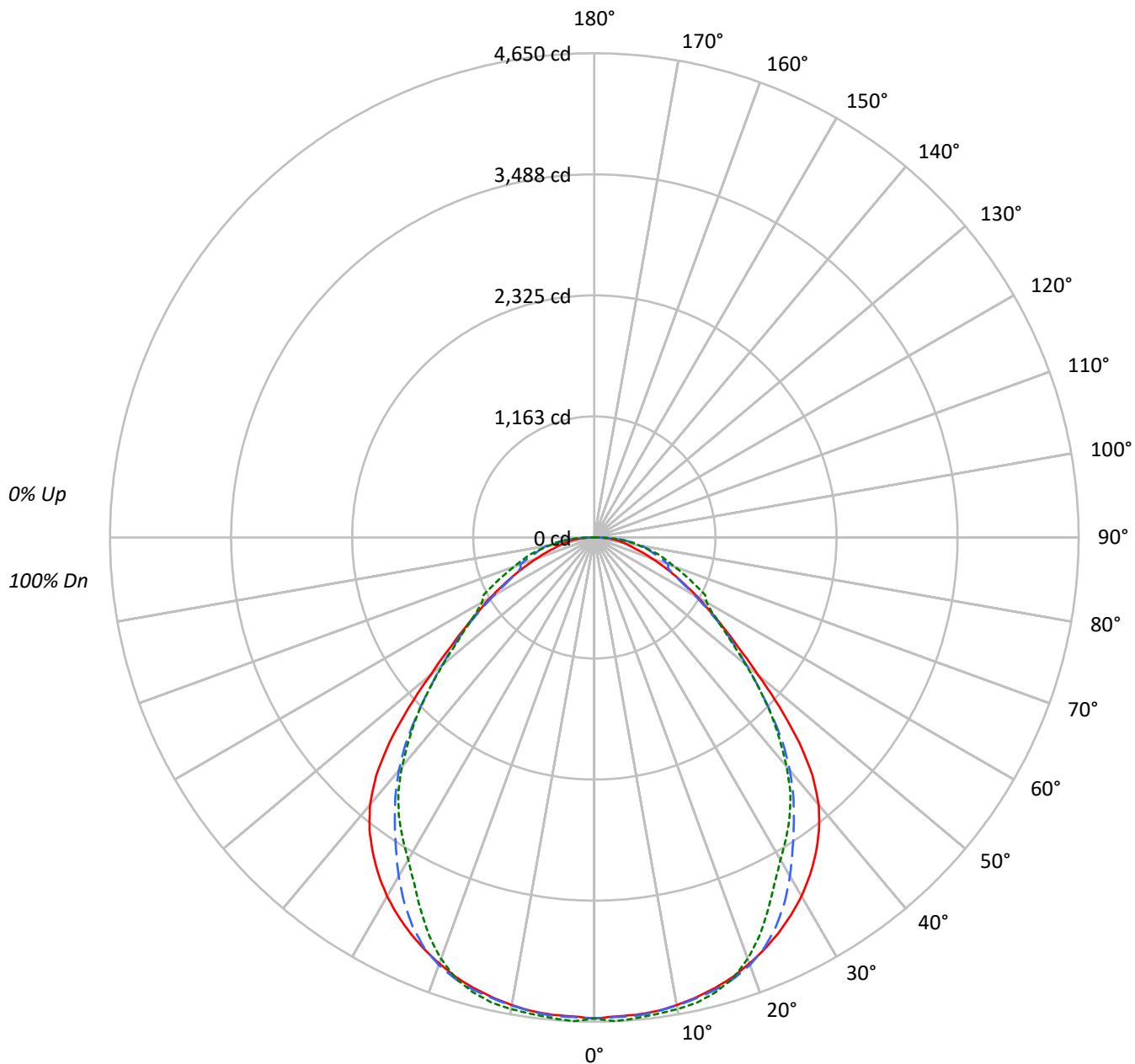
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7458	7458	7458
5°	7458	7474	7510
10°	7476	7486	7541
15°	7488	7516	7553
20°	7480	7508	7397
25°	7461	7350	7030
30°	7417	7003	6662
35°	7306	6582	6445
40°	7061	6154	6053
45°	6347	5495	5475
50°	5148	4787	4754
55°	4274	4195	4193
60°	3701	3593	4017
65°	3207	3187	4049
70°	2765	3575	3859
75°	2480	3664	4024
80°	2577	4314	4036
85°	2925	4972	4613



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.8	4.1
10°-20°	1270.2	11.9
20°-30°	1886.6	17.6
30°-40°	2141.8	20.0
40°-50°	1914.7	17.9
50°-60°	1323.8	12.4
60°-70°	873.5	8.2
70°-80°	589.3	5.5
80°-90°	252.4	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°	3596.6	33.6
0°-40°	5738.3	53.7
0°-60°	8976.8	84.0
0°-90°	10692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4619	4619	4619	4619	4619	
5°	4602	4630	4611	4630	4634	438
15°	4480	4501	4496	4521	4518	1264
25°	4188	4228	4126	4003	3946	1930
35°	3706	3629	3339	3291	3270	2311
45°	2780	2544	2407	2425	2398	2114
55°	1518	1386	1490	1469	1490	1379
65°	840	745	834	976	1060	838
75°	398	500	587	628	645	434
85°	158	220	268	270	249	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4619.3	4619.3	4619.3	4619.3	4619.3
2.5°	4603.6	4632.4	4610.9	4630.8	4650.1
5°	4601.5	4629.7	4611.4	4630.2	4633.9
7.5°	4588.4	4614.5	4593.1	4611.4	4615.6
10°	4560.1	4591.0	4565.9	4594.2	4599.4
12.5°	4523.6	4554.9	4532.9	4571.7	4573.8
15°	4479.6	4501.1	4496.4	4521.4	4518.3
17.5°	4424.1	4448.8	4445.1	4451.3	4436.7
20°	4353.6	4381.3	4369.8	4341.0	4304.9
22.5°	4277.7	4311.2	4265.7	4193.0	4142.2
25°	4188.2	4228.0	4125.5	4002.6	3946.1
27.5°	4089.4	4125.0	3954.4	3803.8	3745.2
30°	3978.5	3993.7	3756.2	3612.9	3573.1
32.5°	3850.3	3828.4	3544.3	3449.7	3426.7
35°	3706.5	3628.6	3339.3	3290.7	3269.7
37.5°	3544.3	3401.6	3136.9	3114.4	3092.4
40°	3350.3	3139.5	2919.8	2905.2	2871.7
42.5°	3099.8	2854.4	2678.7	2661.4	2631.6
45°	2779.6	2544.2	2406.7	2425.0	2397.8
47.5°	2411.4	2233.0	2145.7	2195.9	2145.7
50°	2049.4	1929.6	1905.6	1951.1	1892.5
52.5°	1752.8	1645.1	1694.8	1702.6	1667.6
55°	1518.5	1386.2	1490.3	1469.3	1489.7
57.5°	1314.5	1166.4	1294.6	1270.5	1340.6
60°	1146.1	979.7	1112.6	1107.3	1243.9
62.5°	980.8	847.9	954.6	1031.5	1199.4
65°	839.5	745.4	834.3	975.5	1059.8
67.5°	704.1	668.5	763.1	841.6	933.7
70°	585.8	604.1	757.4	742.8	817.5
72.5°	486.5	548.7	668.5	671.1	723.9
75°	397.5	500.1	587.4	627.7	645.0
77.5°	330.6	453.5	530.4	544.5	527.8
80°	277.2	399.6	464.0	457.7	434.1
82.5°	223.9	302.9	365.7	371.4	343.6
85°	157.9	219.7	268.4	269.9	249.0
87.5°	84.7	135.5	162.7	167.4	154.8
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)