

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: P730253

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730253
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-L835
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: 10656.0 lumens
Efficiency: N/A
Efficacy: 146.6 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

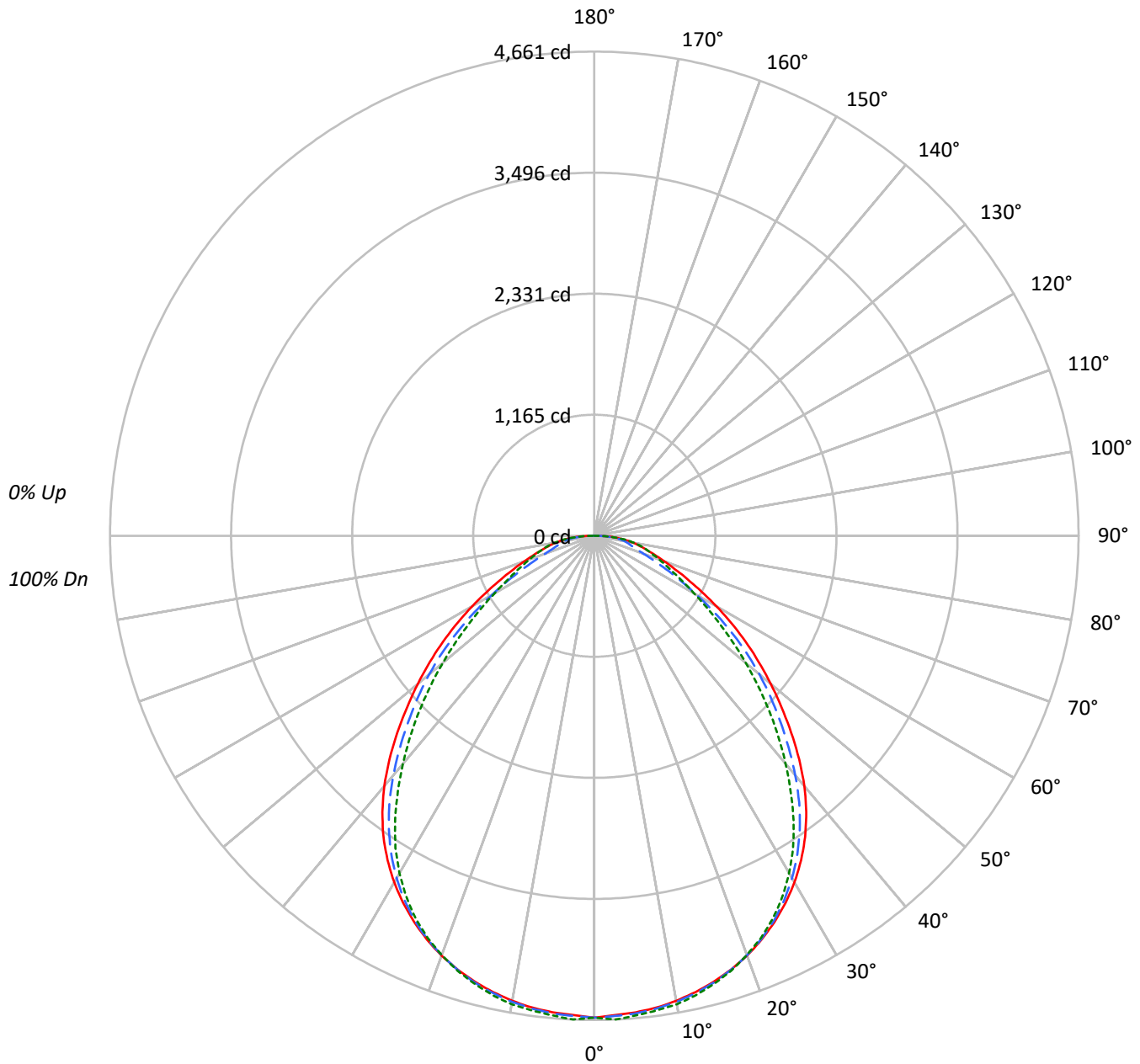
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	100	96		99	96	93		95	93	90		91	90	88
2	101	93	87	82	98	91	86	81		88	83	79		85	81	77		82	78	75
3	93	83	75	70	90	81	75	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60	83	73	65	60		71	64	59		68	63	58		66	61	57
5	79	67	59	52	77	66	58	52		64	57	52		62	56	51		60	55	51
6	73	61	52	46	72	60	52	46		58	51	46		56	50	45		55	49	45
7	68	55	47	41	67	55	47	41		53	46	41		52	45	41		50	45	40
8	64	51	43	37	62	50	42	37		49	42	37		48	41	37		47	41	36
9	60	47	39	34	58	46	39	34		45	38	33		44	38	33		43	37	33
10	56	43	36	31	55	43	36	31		42	35	31		41	35	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7490	7490	7490
5°	7463	7480	7511
10°	7452	7470	7507
15°	7428	7443	7460
20°	7389	7383	7378
25°	7309	7283	7243
30°	7182	7096	6992
35°	6974	6798	6589
40°	6627	6342	6038
45°	6122	5780	5430
50°	5565	5205	4777
55°	5004	4506	4129
60°	4379	3683	3583
65°	3775	2896	3234
70°	3366	2364	3117
75°	3225	2308	3257
80°	3488	2729	3628
85°	3916	3286	3953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.6	4.1
10°-20°	1258.2	11.8
20°-30°	1882.2	17.7
30°-40°	2147.4	20.2
40°-50°	1954.7	18.3
50°-60°	1435.3	13.5
60°-70°	847.5	8.0
70°-80°	485.7	4.6
80°-90°	205.4	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°	3580.0	33.6
0°-40°	5727.4	53.7
0°-60°	9117.4	85.6
0°-90°	10656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4639	4639	4639	4639	4639	
5°	4605	4634	4615	4634	4634	438
15°	4444	4468	4452	4468	4463	1254
25°	4102	4117	4088	4087	4065	1888
35°	3538	3521	3449	3390	3343	2204
45°	2681	2665	2532	2418	2378	2066
55°	1778	1696	1601	1485	1467	1590
65°	988	863	758	811	846	994
75°	517	443	370	482	522	557
85°	211	195	177	209	213	221
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4638.7	4638.7	4638.7	4638.7	4638.7
2.5°	4617.3	4644.0	4627.2	4645.5	4661.2
5°	4604.7	4633.5	4615.2	4633.5	4634.0
7.5°	4581.7	4608.4	4590.6	4610.5	4608.4
10°	4545.6	4572.3	4556.1	4577.5	4579.1
12.5°	4499.6	4525.2	4508.5	4533.1	4528.9
15°	4443.6	4468.2	4452.5	4468.2	4463.0
17.5°	4377.7	4400.2	4379.8	4397.1	4388.2
20°	4300.3	4319.1	4297.1	4313.3	4294.0
22.5°	4207.7	4224.4	4201.4	4210.3	4190.4
25°	4102.5	4117.1	4088.4	4086.8	4065.4
27.5°	3985.3	3993.2	3956.5	3944.0	3919.4
30°	3852.5	3854.5	3805.9	3782.4	3750.4
32.5°	3703.3	3698.1	3635.8	3600.8	3561.6
35°	3538.0	3520.8	3449.1	3390.0	3342.9
37.5°	3351.3	3324.1	3238.3	3150.9	3105.9
40°	3144.1	3112.2	3009.1	2900.8	2864.7
42.5°	2918.7	2891.4	2770.1	2657.1	2621.5
45°	2681.1	2665.4	2531.5	2418.0	2378.2
47.5°	2443.6	2432.1	2301.3	2185.7	2137.6
50°	2215.5	2190.4	2072.2	1945.6	1901.7
52.5°	1994.2	1942.9	1838.9	1709.1	1676.7
55°	1777.6	1695.5	1600.8	1484.7	1466.9
57.5°	1563.1	1457.0	1364.9	1278.0	1277.5
60°	1356.0	1234.6	1140.4	1094.9	1109.6
62.5°	1161.9	1037.4	935.4	938.5	965.2
65°	988.2	862.7	758.0	810.9	846.5
67.5°	839.1	719.3	613.1	711.5	745.5
70°	713.1	604.7	500.7	623.6	660.2
72.5°	606.9	515.8	422.2	550.3	587.5
75°	516.9	443.1	369.9	482.4	522.1
77.5°	443.6	378.2	331.7	417.4	458.8
80°	375.1	317.6	293.5	354.7	390.2
82.5°	297.1	257.4	243.3	288.2	306.6
85°	211.4	195.1	177.4	209.3	213.4
87.5°	116.1	120.3	99.4	120.3	120.8
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)