

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: P730349

Luminaire Tested: **HBLED-LD5-12SE-W-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730349
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-LD5-12SE-W-CLI-UNV-L835
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11029.0 lumens
Efficiency: N/A
Efficacy: 147.1 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

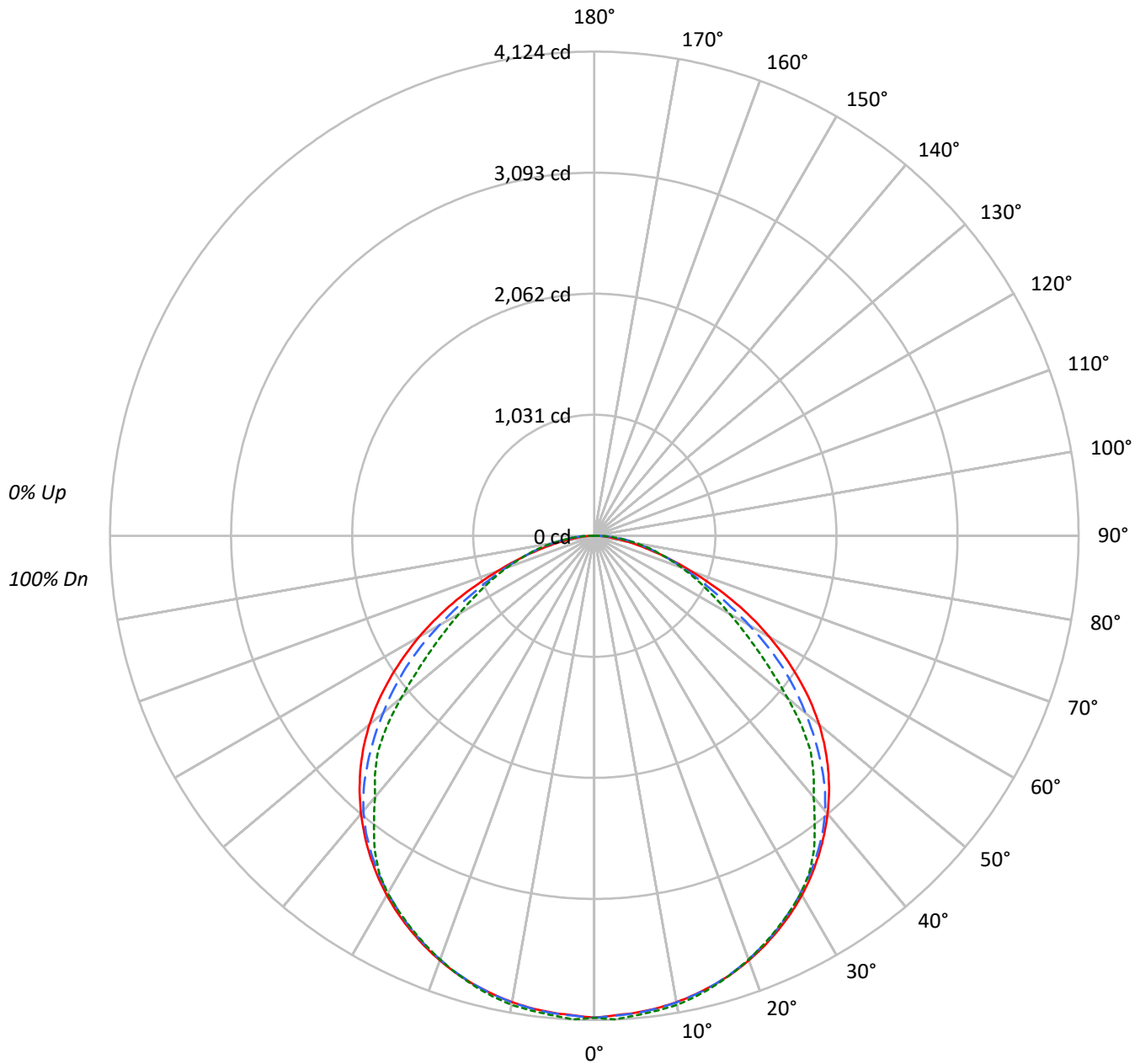
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6628	6628	6628
5°	6610	6615	6644
10°	6614	6617	6652
15°	6615	6614	6630
20°	6613	6598	6599
25°	6603	6578	6571
30°	6592	6553	6556
35°	6561	6521	6428
40°	6515	6448	6123
45°	6432	6226	5954
50°	6277	5895	5392
55°	5991	5513	4768
60°	5560	4919	4300
65°	4942	4259	3954
70°	4101	3806	3727
75°	3317	3483	3527
80°	2635	3331	3318
85°	2064	3579	3414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.3	3.5
10°-20°	1119.8	10.2
20°-30°	1707.5	15.5
30°-40°	2065.8	18.7
40°-50°	2092.5	19.0
50°-60°	1729.5	15.7
60°-70°	1142.3	10.4
70°-80°	595.6	5.4
80°-90°	186.7	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°	3216.6	29.2
0°-40°	5282.4	47.9
0°-60°	9104.4	82.5
0°-90°	11029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11029.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4105	4105	4105	4105	4105	
5°	4078	4103	4081	4099	4100	388
15°	3957	3977	3957	3969	3966	1117
25°	3706	3721	3693	3702	3688	1709
35°	3329	3333	3308	3304	3261	2082
45°	2817	2810	2727	2642	2607	2169
55°	2128	2097	1958	1768	1694	1897
65°	1294	1256	1115	1042	1035	1278
75°	532	541	558	566	565	579
85°	111	143	193	192	184	135
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4105.0	4105.0	4105.0	4105.0	4105.0
2.5°	4087.8	4112.0	4091.7	4109.5	4123.8
5°	4078.4	4103.1	4081.4	4099.1	4099.6
7.5°	4060.2	4084.9	4062.7	4080.4	4079.9
10°	4034.1	4057.3	4036.1	4057.3	4057.3
12.5°	3998.6	4021.3	4000.6	4020.3	4017.3
15°	3957.2	3977.4	3956.7	3969.1	3966.1
17.5°	3908.4	3926.7	3903.5	3913.8	3907.9
20°	3848.8	3865.6	3840.0	3853.3	3840.9
22.5°	3781.8	3797.5	3771.4	3781.3	3767.5
25°	3706.4	3721.2	3692.6	3701.9	3688.2
27.5°	3625.1	3638.4	3606.3	3617.7	3606.8
30°	3535.9	3542.3	3514.7	3529.5	3516.7
32.5°	3436.3	3440.3	3416.1	3429.4	3407.7
35°	3328.9	3333.3	3308.2	3303.8	3261.4
37.5°	3214.1	3216.0	3192.4	3152.4	3082.5
40°	3090.9	3089.9	3059.3	2967.2	2905.1
42.5°	2959.3	2958.8	2905.1	2800.1	2764.6
45°	2816.9	2809.5	2726.7	2641.9	2607.4
47.5°	2664.1	2656.2	2540.4	2472.9	2394.5
50°	2499.0	2485.2	2346.7	2254.6	2146.7
52.5°	2321.1	2299.9	2159.0	2010.1	1908.1
55°	2128.4	2096.9	1958.4	1768.2	1693.8
57.5°	1927.9	1881.0	1746.5	1561.2	1500.6
60°	1721.9	1669.6	1523.2	1371.0	1331.5
62.5°	1509.9	1458.2	1308.9	1194.1	1172.4
65°	1293.6	1256.1	1114.7	1042.3	1034.9
67.5°	1071.8	1058.5	950.6	913.7	910.7
70°	868.8	866.3	806.2	787.5	789.5
72.5°	694.4	691.4	682.6	673.2	673.7
75°	531.7	541.1	558.3	565.7	565.3
77.5°	396.7	415.9	452.4	467.2	464.7
80°	283.4	312.0	358.3	372.1	356.8
82.5°	188.7	218.8	273.5	275.5	263.2
85°	111.4	143.4	193.2	191.7	184.3
87.5°	55.2	86.2	115.8	110.9	106.0
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)