

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: P730339

Luminaire Tested: **HBLED-LD5-12SE-W-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CL-UNV-L850
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11233.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

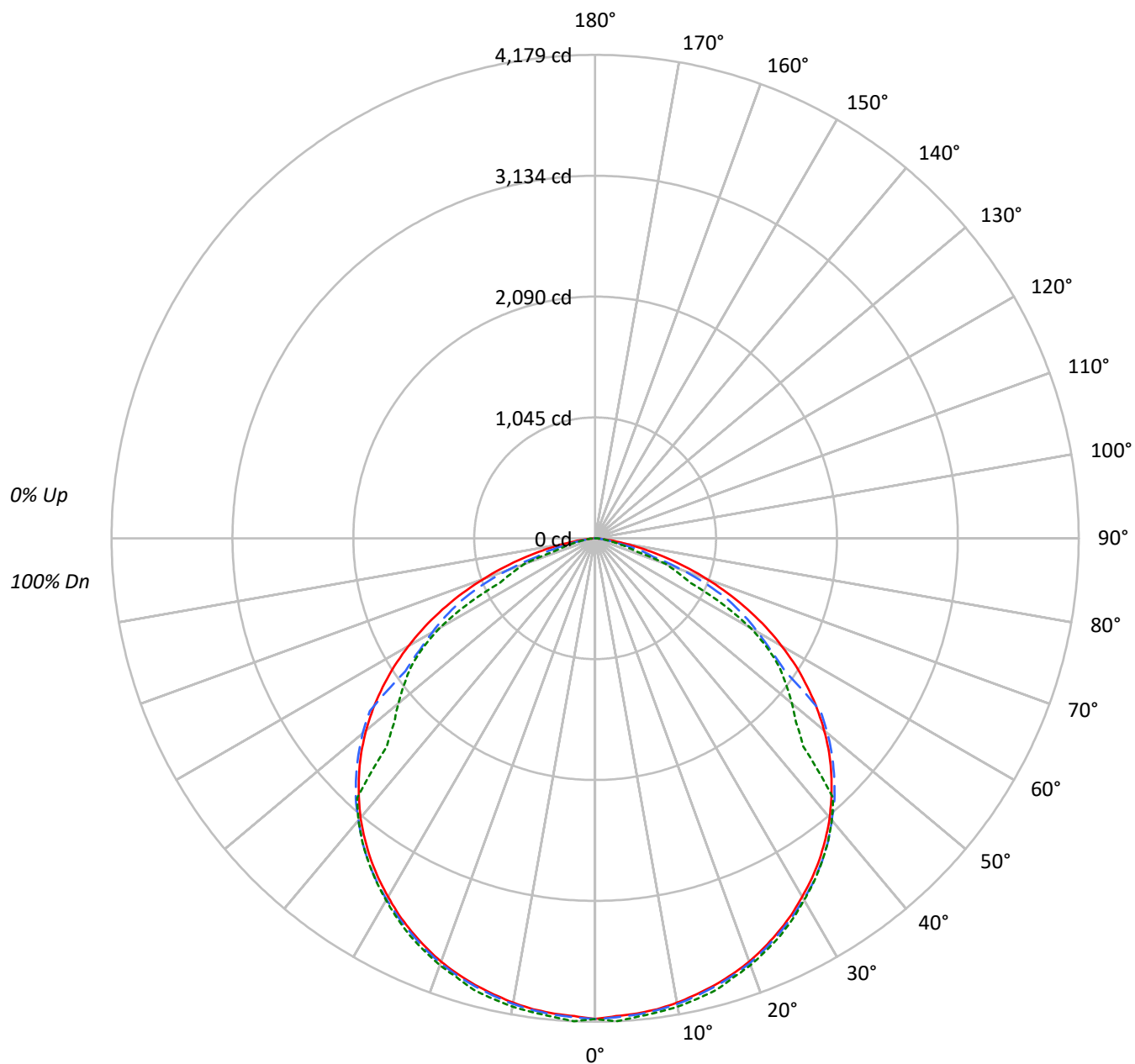
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730339

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P730339

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-UNV-L850

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6709	6709	6709
5°	6684	6699	6732
10°	6684	6703	6742
15°	6683	6703	6758
20°	6692	6717	6748
25°	6684	6709	6750
30°	6671	6720	6735
35°	6668	6729	6734
40°	6647	6706	6706
45°	6590	6670	5812
50°	6489	6586	5576
55°	6304	5638	5477
60°	6009	5241	5004
65°	5557	4865	3466
70°	4839	3786	3088
75°	3822	2541	1660
80°	2460	1213	1035
85°	1013	741	815



TEST NUMBER: P730339

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.1	3.5
10°-20°	1136.1	10.1
20°-30°	1741.7	15.5
30°-40°	2134.8	19.0
40°-50°	2194.7	19.5
50°-60°	1873.1	16.7
60°-70°	1238.3	11.0
70°-80°	458.8	4.1
80°-90°	61.4	0.5
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°	3271.9	29.1
0°-40°	5406.7	48.1
0°-60°	9474.5	84.3
0°-90°	11233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4155	4155	4155	4155	4155	
5°	4124	4153	4133	4150	4154	392
15°	3998	4022	4010	4041	4043	1129
25°	3752	3772	3766	3800	3789	1730
35°	3383	3406	3414	3435	3416	2116
45°	2886	2915	2921	2917	2545	2224
55°	2240	2281	2003	1945	1946	1998
65°	1454	1467	1273	1047	907	1434
75°	613	537	407	274	266	657
85°	55	39	40	44	44	90
90°	0	0	0	0	0	



TEST NUMBER: P730339

CATALOG NUMBER: HBLED-LD5-12SE-W-CL-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4155.0	4155.0	4155.0	4155.0	4155.0
2.5°	4134.8	4160.6	4145.4	4164.6	4179.3
5°	4124.2	4153.0	4133.3	4149.5	4153.5
7.5°	4106.0	4132.8	4114.6	4135.8	4132.8
10°	4076.6	4100.9	4088.3	4110.5	4112.0
12.5°	4039.2	4063.5	4051.8	4079.1	4078.6
15°	3998.2	4022.5	4010.3	4040.7	4042.7
17.5°	3950.1	3972.4	3963.3	3991.1	3980.0
20°	3894.5	3913.7	3909.1	3935.5	3927.4
22.5°	3826.2	3845.9	3841.4	3871.7	3859.6
25°	3751.8	3771.6	3766.0	3799.9	3788.8
27.5°	3671.4	3690.1	3689.6	3721.5	3704.3
30°	3578.3	3603.1	3604.6	3632.9	3612.7
32.5°	3486.3	3509.5	3516.1	3536.8	3519.6
35°	3383.0	3406.3	3413.9	3435.2	3416.4
37.5°	3271.7	3291.4	3305.1	3320.8	3306.1
40°	3153.8	3171.5	3181.7	3200.9	3181.7
42.5°	3022.3	3047.6	3061.8	3075.4	3044.1
45°	2886.2	2915.0	2921.1	2916.6	2545.2
47.5°	2742.1	2773.4	2777.0	2421.8	2353.5
50°	2583.2	2622.7	2622.1	2238.1	2220.0
52.5°	2417.8	2455.7	2454.2	2094.5	2082.3
55°	2239.6	2280.6	2002.9	1944.7	1945.7
57.5°	2058.0	2087.4	1797.0	1799.5	1766.1
60°	1860.7	1888.6	1623.0	1607.3	1549.6
62.5°	1663.0	1674.6	1454.5	1378.1	1268.3
65°	1454.5	1466.6	1273.4	1047.2	907.1
67.5°	1240.5	1252.6	1056.8	779.1	768.5
70°	1025.0	925.8	801.9	649.1	654.1
72.5°	812.5	711.3	524.1	502.9	363.2
75°	612.7	536.8	407.3	273.7	266.1
77.5°	426.5	369.8	218.0	186.7	174.6
80°	264.6	185.7	130.5	115.8	111.3
82.5°	134.1	106.8	70.8	70.8	70.8
85°	54.7	39.0	40.0	43.5	44.0
87.5°	11.6	15.7	19.2	19.7	19.2
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)