

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: P730358

Luminaire Tested: **HBLED-LD5-12SE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12419.0 lumens
Efficiency: N/A
Efficacy: 165.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

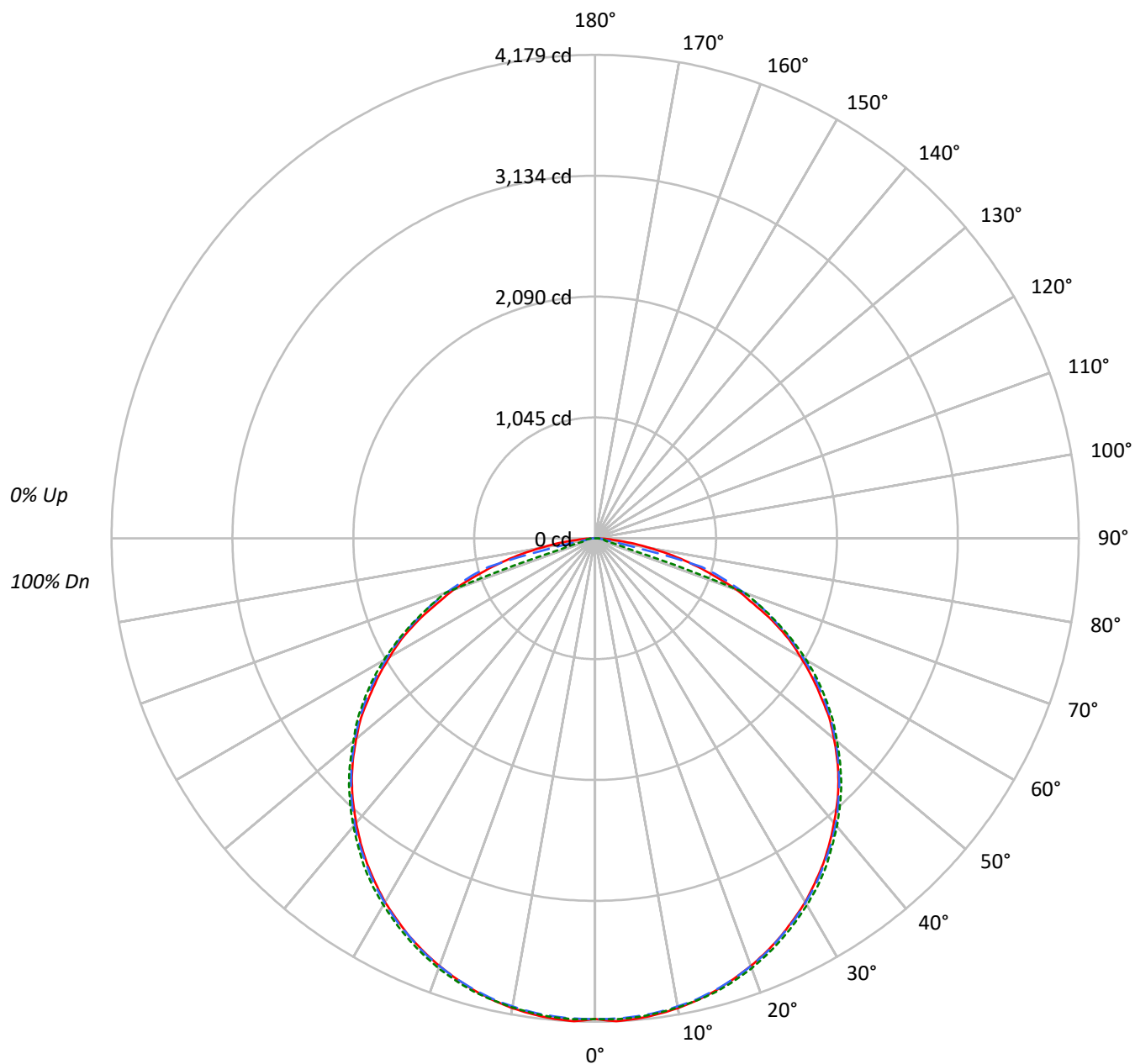
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730358

CATALOG NUMBER: HBLED-LD5-12SE-W-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730358

CATALOG NUMBER: HBLED-LD5-12SE-W-UNV-L735

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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6710	6710	6710
5°	6758	6723	6736
10°	6762	6738	6751
15°	6761	6752	6782
20°	6760	6762	6797
25°	6764	6767	6808
30°	6771	6780	6825
35°	6770	6792	6848
40°	6771	6814	6851
45°	6790	6815	6870
50°	6769	6809	6853
55°	6695	6789	6861
60°	6619	6726	6810
65°	6472	6607	6656
70°	6145	6407	6485
75°	5480	5943	716
80°	4407	740	783
85°	2933	960	978



TEST NUMBER: P730358

CATALOG NUMBER: HBLED-LD5-12SE-W-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	3.2
10°-20°	1140.5	9.2
20°-30°	1752.3	14.1
30°-40°	2157.2	17.4
40°-50°	2299.8	18.5
50°-60°	2149.8	17.3
60°-70°	1701.8	13.7
70°-80°	724.1	5.8
80°-90°	98.9	0.8
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°	3287.5	26.5
0°-40°	5444.7	43.8
0°-60°	9894.2	79.7
0°-90°	12419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4156	4156	4156	4156	4156	
5°	4170	4151	4148	4132	4156	396
15°	4045	4037	4039	4028	4058	1142
25°	3797	3792	3798	3797	3822	1750
35°	3435	3429	3446	3458	3474	2149
45°	2974	2957	2985	2997	3009	2291
55°	2378	2386	2412	2420	2438	2130
65°	1694	1709	1729	1742	1742	1667
75°	878	916	953	156	115	929
85°	158	47	52	54	53	206
90°	0	0	0	0	0	



TEST NUMBER: P730358

CATALOG NUMBER: HBLED-LD5-12SE-W-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4155.8	4155.8	4155.8	4155.8	4155.8
2.5°	4178.9	4159.5	4155.8	4139.1	4161.3
5°	4169.6	4151.1	4148.3	4131.7	4155.8
7.5°	4150.2	4135.4	4133.5	4115.9	4140.0
10°	4124.3	4110.4	4109.5	4093.7	4117.8
12.5°	4089.1	4077.1	4080.8	4065.0	4089.1
15°	4044.7	4037.3	4039.1	4028.0	4057.6
17.5°	3991.0	3987.3	3991.0	3982.6	4009.5
20°	3934.5	3929.9	3935.4	3930.8	3955.8
22.5°	3868.8	3863.2	3874.3	3867.8	3891.0
25°	3796.6	3791.9	3798.4	3796.6	3821.6
27.5°	3714.2	3709.5	3723.4	3724.3	3743.8
30°	3631.8	3625.3	3636.4	3641.0	3660.5
32.5°	3533.6	3531.8	3548.5	3552.2	3572.5
35°	3434.6	3429.0	3445.7	3457.7	3474.4
37.5°	3326.3	3325.3	3342.9	3353.1	3361.4
40°	3212.4	3207.8	3232.8	3242.9	3250.4
42.5°	3096.7	3086.5	3110.6	3123.5	3131.9
45°	2973.6	2956.9	2984.7	2996.7	3008.7
47.5°	2838.4	2823.6	2850.4	2863.4	2871.7
50°	2694.9	2681.0	2710.6	2721.7	2728.2
52.5°	2550.5	2536.6	2568.1	2577.3	2593.1
55°	2378.3	2385.7	2411.6	2419.9	2437.5
57.5°	2219.1	2225.5	2250.5	2260.7	2281.1
60°	2049.6	2059.8	2083.0	2093.2	2108.9
62.5°	1885.8	1886.7	1914.5	1919.1	1931.1
65°	1694.1	1709.0	1729.3	1742.3	1742.3
67.5°	1480.3	1516.4	1551.6	1548.8	1556.2
70°	1301.6	1315.5	1357.2	1363.6	1373.8
72.5°	1077.6	1113.7	1160.0	866.5	294.4
75°	878.5	916.5	952.6	155.5	114.8
77.5°	682.3	711.9	316.6	88.9	87.0
80°	474.0	521.2	79.6	81.5	84.2
82.5°	312.0	254.6	65.7	72.2	73.1
85°	158.3	47.2	51.8	53.7	52.8
87.5°	51.8	28.7	29.6	30.6	31.5
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)