

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: P730312

Luminaire Tested: **HBLED-LD5-12SE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CLI-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11675.0 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

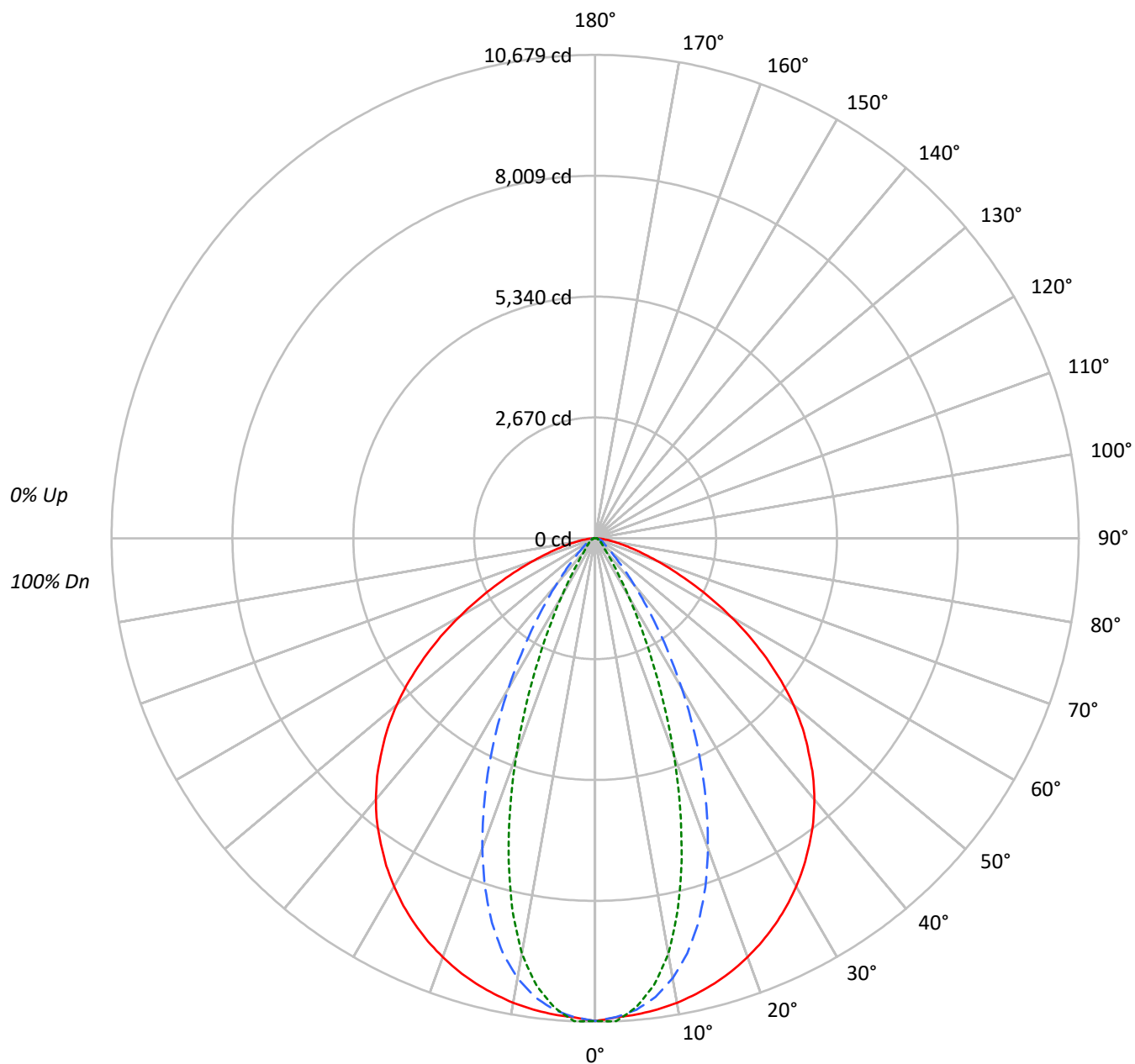
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730312

CATALOG NUMBER: HBLED-LD5-12SE-N-CLI-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730312

CATALOG NUMBER: HBLED-LD5-12SE-N-CLI-UNV-L750

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17218	17218	17218
5°	17115	16945	16855
10°	17086	16177	15266
15°	17017	14705	12329
20°	16915	12513	8738
25°	16764	9866	5279
30°	16560	7121	2713
35°	16261	4655	1355
40°	15876	2796	791
45°	15216	1670	591
50°	14351	1092	497
55°	12989	828	433
60°	11162	706	395
65°	8978	644	373
70°	6764	690	371
75°	4976	656	382
80°	3640	653	418
85°	2727	791	541



TEST NUMBER: P730312

CATALOG NUMBER: HBLED-LD5-12SE-N-CLI-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.1	8.4
10°-20°	2443.3	20.9
20°-30°	2706.3	23.2
30°-40°	2168.2	18.6
40°-50°	1547.8	13.3
50°-60°	994.2	8.5
60°-70°	538.8	4.6
70°-80°	230.3	2.0
80°-90°	63.9	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°	6131.7	52.5
0°-40°	8300.0	71.1
0°-60°	10842.0	92.9
0°-90°	11675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10664	10664	10664	10664	10664	
5°	10560	10599	10455	10422	10400	###
15°	10181	9862	8797	7774	7376	2872
25°	9410	8297	5538	3608	2964	4335
35°	8250	5967	2362	953	688	5158
45°	6664	3445	731	311	259	5136
55°	4614	1540	294	181	154	4112
65°	2350	632	168	116	98	2353
75°	798	231	105	73	61	886
85°	147	61	43	35	29	180
90°	0	0	0	0	0	



TEST NUMBER: P730312

CATALOG NUMBER: HBLED-LD5-12SE-N-CLI-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10664.2	10664.2	10664.2	10664.2	10664.2
2.5°	10594.1	10660.3	10589.0	10633.3	10678.8
5°	10559.8	10599.1	10454.7	10421.6	10399.7
7.5°	10500.2	10489.0	10217.7	10041.9	9957.1
10°	10421.6	10330.6	9867.2	9480.8	9311.2
12.5°	10309.3	10121.7	9392.6	8714.1	8426.5
15°	10180.6	9862.2	8797.2	7774.4	7375.6
17.5°	10026.7	9558.8	8085.5	6766.7	6240.4
20°	9844.8	9192.6	7282.3	5696.1	5085.5
22.5°	9641.4	8770.2	6422.4	4628.9	3974.0
25°	9410.0	8297.3	5538.3	3608.3	2963.5
27.5°	9160.1	7772.1	4659.2	2696.1	2108.0
30°	8882.6	7203.7	3819.5	1944.0	1455.4
32.5°	8579.8	6599.3	3039.3	1367.1	995.3
35°	8250.1	5967.4	2361.9	952.6	687.5
37.5°	7912.5	5322.6	1783.9	673.4	493.2
40°	7532.3	4680.0	1326.7	493.2	375.2
42.5°	7123.9	4049.8	981.9	379.7	303.9
45°	6663.9	3444.8	731.3	311.2	259.0
47.5°	6217.9	2880.9	555.5	265.1	225.2
50°	5713.5	2372.0	434.7	231.4	197.7
52.5°	5178.2	1924.4	352.7	203.9	174.1
55°	4614.3	1540.1	294.3	180.9	153.9
57.5°	4043.1	1220.0	251.6	161.2	137.1
60°	3456.6	975.7	218.5	144.3	122.4
62.5°	2884.3	780.2	191.0	129.7	109.5
65°	2350.1	632.4	168.5	116.3	97.7
67.5°	1856.4	499.9	157.3	104.5	88.2
70°	1432.8	389.2	146.1	93.2	78.6
72.5°	1085.7	298.8	129.2	83.1	69.7
75°	797.6	231.4	105.1	73.0	61.2
77.5°	570.7	178.1	85.4	63.5	52.8
80°	391.5	132.6	70.2	54.5	45.0
82.5°	254.5	93.8	56.7	45.0	37.0
85°	147.2	61.2	42.7	35.4	29.2
87.5°	63.5	33.7	29.2	26.4	22.5
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)