

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: P730323

Luminaire Tested: **HBLED-LD5-12SE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730323
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-LD5-12SE-W-A-UNV-L740
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11247.0 lumens
Efficiency: N/A
Efficacy: 150.0 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

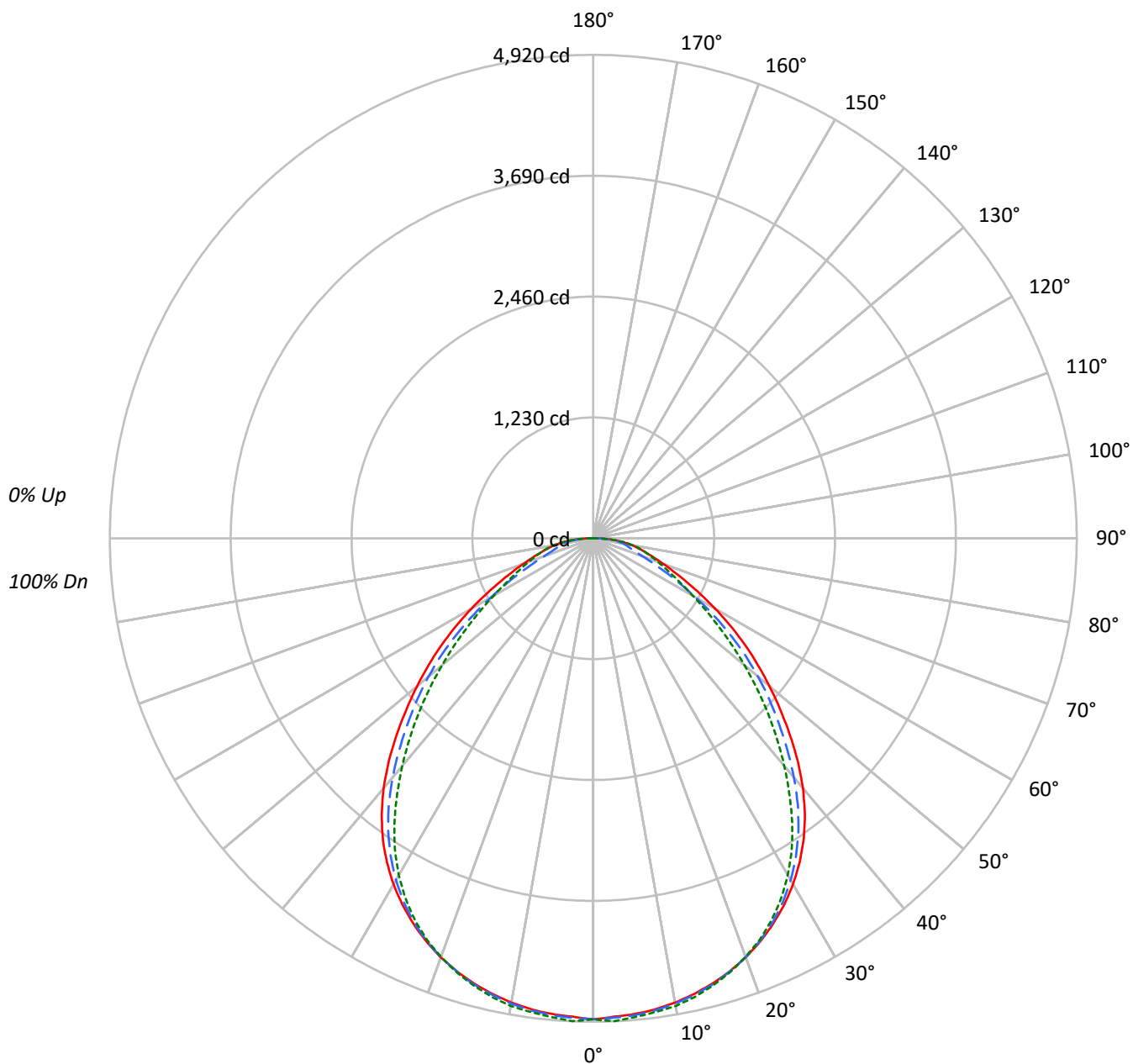
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730323

CATALOG NUMBER: HBLED-LD5-12SE-W-A-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730323

CATALOG NUMBER: HBLED-LD5-12SE-W-A-UNV-L740

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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7905	7905	7905
5°	7877	7895	7927
10°	7866	7884	7924
15°	7840	7855	7874
20°	7799	7793	7787
25°	7714	7687	7644
30°	7581	7489	7380
35°	7360	7175	6954
40°	6994	6694	6373
45°	6461	6101	5731
50°	5874	5494	5042
55°	5281	4756	4358
60°	4622	3887	3782
65°	3985	3057	3413
70°	3553	2494	3289
75°	3403	2435	3437
80°	3681	2881	3830
85°	4133	3468	4174



TEST NUMBER: P730323

CATALOG NUMBER: HBLED-LD5-12SE-W-A-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.0	4.1
10°-20°	1328.0	11.8
20°-30°	1986.5	17.7
30°-40°	2266.5	20.2
40°-50°	2063.1	18.3
50°-60°	1514.9	13.5
60°-70°	894.5	8.0
70°-80°	512.6	4.6
80°-90°	216.8	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°	3778.6	33.6
0°-40°	6045.0	53.7
0°-60°	9623.1	85.6
0°-90°	11247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4896	4896	4896	4896	4896	
5°	4860	4890	4871	4890	4891	462
15°	4690	4716	4699	4716	4710	1323
25°	4330	4346	4315	4314	4291	1993
35°	3734	3716	3640	3578	3528	2327
45°	2830	2813	2672	2552	2510	2181
55°	1876	1790	1690	1567	1548	1678
65°	1043	910	800	856	893	1050
75°	546	468	390	509	551	588
85°	223	206	187	221	225	233
90°	0	0	0	0	0	



TEST NUMBER: P730323

CATALOG NUMBER: HBLED-LD5-12SE-W-A-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4873.3	4901.5	4883.8	4903.2	4919.7
5°	4860.1	4890.5	4871.2	4890.5	4891.0
7.5°	4835.8	4864.0	4845.2	4866.2	4864.0
10°	4797.7	4825.9	4808.8	4831.4	4833.1
12.5°	4749.1	4776.2	4758.5	4784.5	4780.1
15°	4690.0	4716.0	4699.4	4716.0	4710.5
17.5°	4620.5	4644.2	4622.7	4640.9	4631.6
20°	4538.8	4558.6	4535.5	4552.5	4532.1
22.5°	4441.1	4458.7	4434.4	4443.8	4422.8
25°	4330.0	4345.5	4315.1	4313.5	4290.8
27.5°	4206.3	4214.7	4176.0	4162.7	4136.8
30°	4066.1	4068.3	4017.0	3992.1	3958.4
32.5°	3908.7	3903.2	3837.5	3800.5	3759.1
35°	3734.3	3716.0	3640.4	3578.0	3528.3
37.5°	3537.2	3508.4	3417.9	3325.7	3278.2
40°	3318.5	3284.8	3176.0	3061.7	3023.6
42.5°	3080.5	3051.8	2923.7	2804.4	2766.9
45°	2829.8	2813.3	2671.9	2552.1	2510.1
47.5°	2579.1	2567.0	2429.0	2306.9	2256.1
50°	2338.4	2311.9	2187.1	2053.5	2007.1
52.5°	2104.8	2050.7	1940.9	1803.9	1769.7
55°	1876.2	1789.6	1689.6	1567.1	1548.3
57.5°	1649.8	1537.8	1440.6	1348.9	1348.4
60°	1431.2	1303.1	1203.7	1155.7	1171.2
62.5°	1226.3	1094.9	987.3	990.6	1018.7
65°	1043.0	910.5	800.1	855.8	893.4
67.5°	885.7	759.2	647.1	751.0	786.8
70°	752.6	638.3	528.4	658.2	696.8
72.5°	640.5	544.4	445.6	580.9	620.1
75°	545.5	467.7	390.4	509.1	551.0
77.5°	468.2	399.2	350.1	440.6	484.2
80°	395.9	335.2	309.8	374.4	411.9
82.5°	313.6	271.7	256.8	304.2	323.6
85°	223.1	205.9	187.2	220.9	225.3
87.5°	122.6	127.0	104.9	127.0	127.5
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)