

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: P730270

Luminaire Tested: **HBLED-LD5-12HE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CL-WG-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11868.0 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

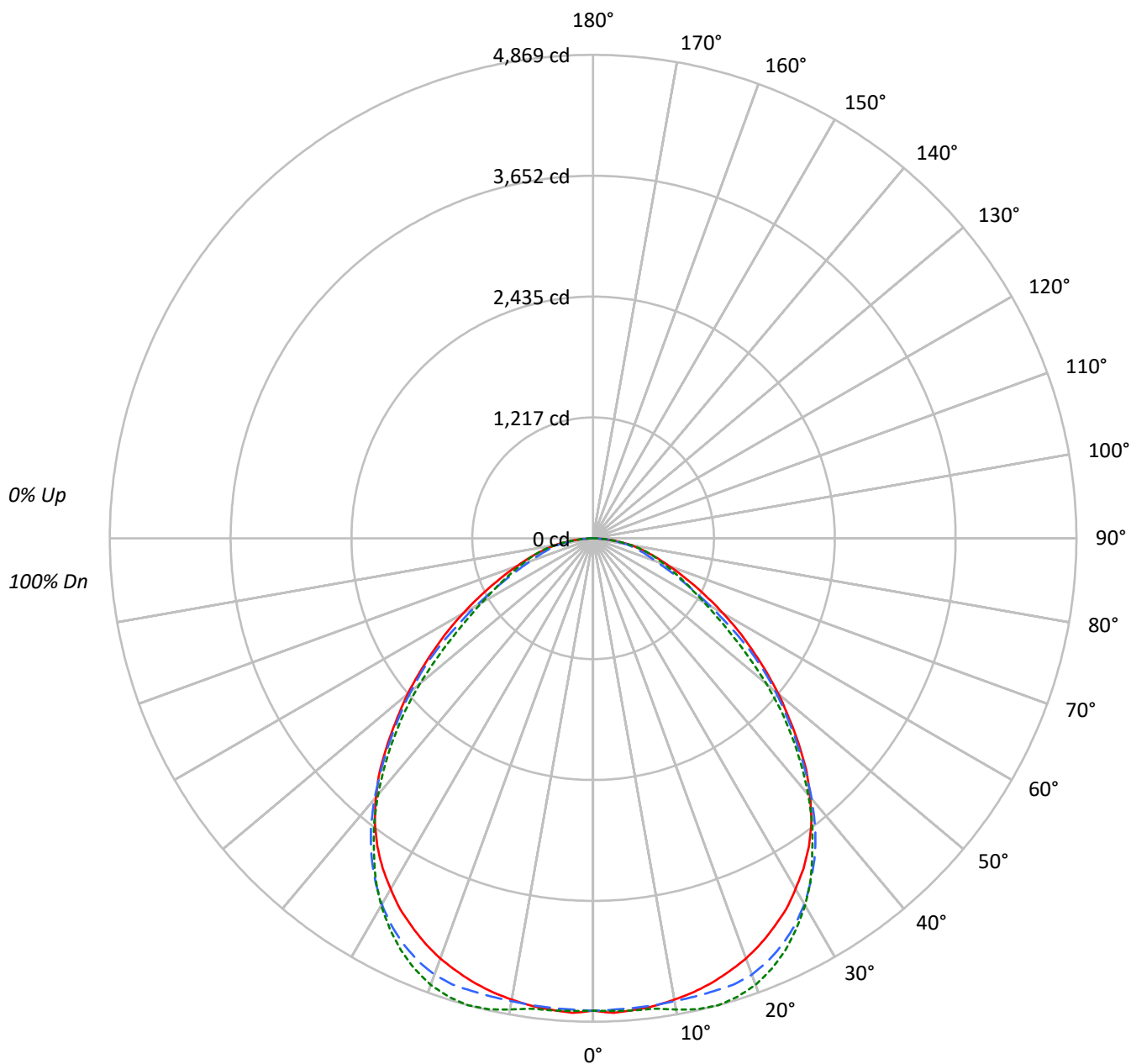
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730270

CATALOG NUMBER: HBLED-LD5-12HE-W-CL-WG-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730270

CATALOG NUMBER: HBLED-LD5-12HE-W-CL-WG-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	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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7683	7683	7683
5°	7729	7697	7735
10°	7735	7762	7901
15°	7745	7891	8139
20°	7740	8035	8223
25°	7693	8043	8161
30°	7604	7936	7961
35°	7468	7679	7587
40°	7174	7218	7104
45°	6684	6614	6480
50°	6120	6021	5713
55°	5497	5293	4830
60°	4875	4380	4170
65°	4295	3639	3784
70°	3842	3158	3604
75°	3599	3070	3645
80°	3504	3105	3469
85°	2797	2456	2547



TEST NUMBER: P730270

CATALOG NUMBER: HBLED-LD5-12HE-W-CL-WG-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.3	3.8
10°-20°	1335.3	11.3
20°-30°	2054.2	17.3
30°-40°	2397.3	20.2
40°-50°	2227.7	18.8
50°-60°	1651.3	13.9
60°-70°	1009.5	8.5
70°-80°	575.0	4.8
80°-90°	164.5	1.4
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°	3842.8	32.4
0°-40°	6240.1	52.6
0°-60°	10119.1	85.3
0°-90°	11868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4759	4759	4759	4759	4759	
5°	4769	4746	4749	4745	4772	454
15°	4634	4631	4721	4814	4869	1308
25°	4318	4351	4514	4552	4581	1989
35°	3789	3818	3896	3864	3849	2361
45°	2927	2945	2897	2851	2838	2256
55°	1953	1904	1880	1747	1716	1752
65°	1124	1021	952	978	990	1125
75°	577	541	492	561	584	617
85°	151	147	133	138	138	174
90°	0	0	0	0	0	



TEST NUMBER: P730270

CATALOG NUMBER: HBLED-LD5-12HE-W-CL-WG-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4758.7	4758.7	4758.7	4758.7	4758.7
2.5°	4784.5	4757.5	4752.6	4741.6	4766.1
5°	4768.6	4746.4	4748.9	4745.2	4772.2
7.5°	4750.1	4734.2	4744.0	4742.8	4778.4
10°	4718.2	4709.6	4734.2	4761.2	4818.9
12.5°	4682.6	4674.0	4728.1	4796.8	4859.4
15°	4633.5	4631.0	4720.7	4813.9	4869.2
17.5°	4572.2	4575.8	4712.1	4791.9	4840.9
20°	4504.7	4510.8	4676.5	4741.6	4785.7
22.5°	4417.5	4438.4	4607.7	4661.7	4696.1
25°	4318.1	4351.2	4514.5	4552.5	4580.7
27.5°	4211.3	4244.4	4399.1	4418.7	4434.7
30°	4078.7	4125.4	4256.7	4259.2	4270.2
32.5°	3943.7	3985.5	4086.1	4075.0	4077.5
35°	3789.1	3818.5	3895.8	3863.9	3849.2
37.5°	3611.1	3627.0	3676.1	3628.3	3625.8
40°	3403.6	3424.5	3424.5	3358.3	3370.5
42.5°	3182.7	3190.0	3159.4	3096.8	3106.6
45°	2927.4	2944.6	2896.7	2851.3	2837.8
47.5°	2674.5	2691.7	2641.4	2588.7	2565.3
50°	2436.4	2427.8	2397.2	2307.6	2274.4
52.5°	2189.7	2162.7	2150.5	2019.1	1981.1
55°	1952.8	1903.7	1880.4	1746.6	1715.9
57.5°	1733.1	1644.8	1600.6	1496.3	1483.9
60°	1509.8	1410.3	1356.3	1288.8	1291.2
62.5°	1307.2	1202.8	1137.8	1118.2	1126.8
65°	1124.3	1021.2	952.5	978.3	990.5
67.5°	958.6	873.9	796.6	856.7	869.0
70°	813.8	746.3	669.0	757.3	763.5
72.5°	693.5	638.3	573.2	656.7	670.2
75°	576.9	541.3	492.2	560.9	584.3
77.5°	475.0	446.8	418.6	460.3	486.1
80°	376.8	348.6	333.9	355.9	373.1
82.5°	266.3	248.0	233.2	249.2	257.8
85°	151.0	147.3	132.6	137.5	137.5
87.5°	34.4	39.3	44.2	40.5	34.4
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)