

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: P730264

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730264
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-LD5-12HE-W-CL-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12069.0 lumens
Efficiency: N/A
Efficacy: 166.0 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

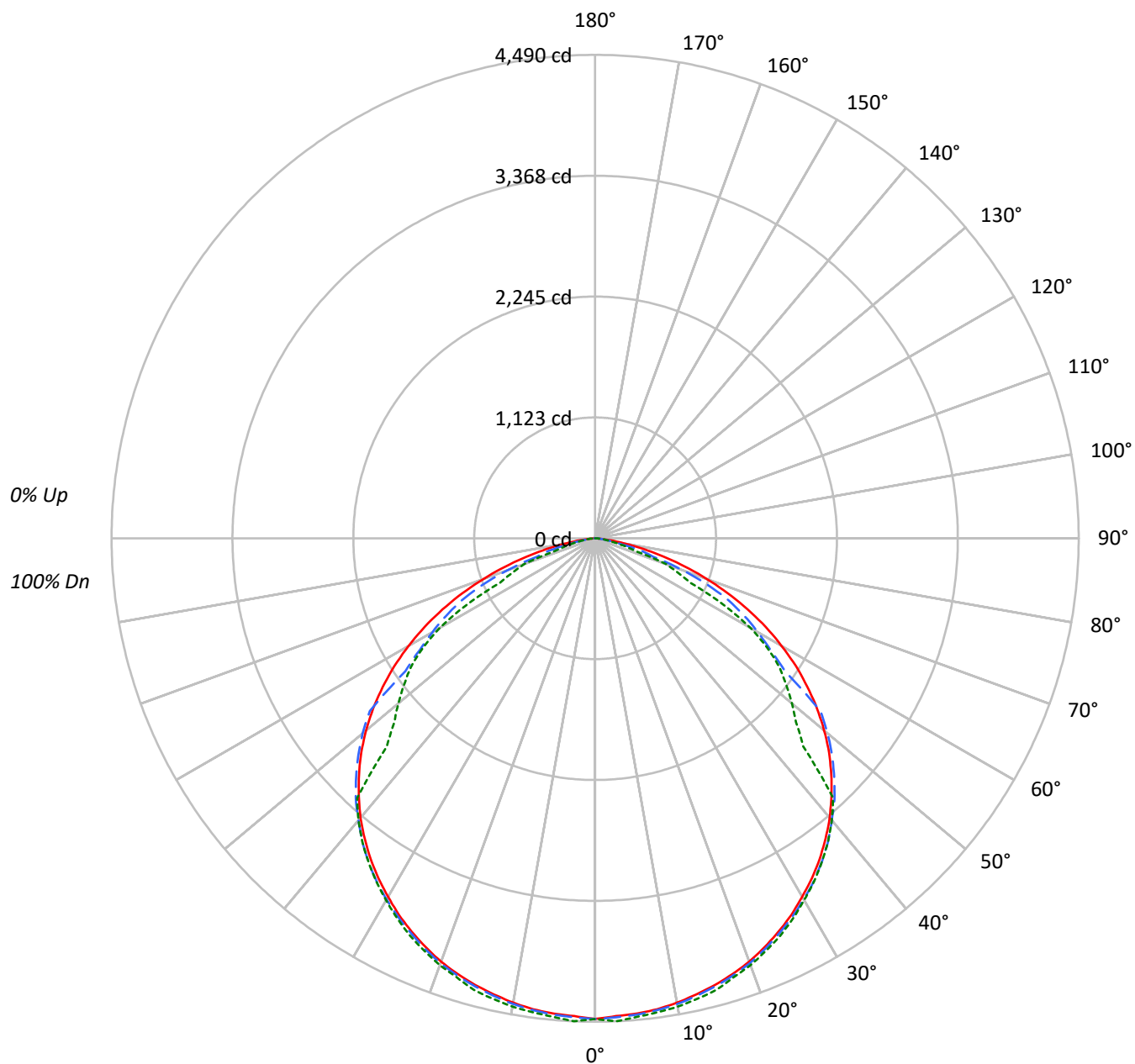
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730264

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

Luminous Intensity Polar Plot





TEST NUMBER: P730264

CATALOG NUMBER: HBLED-LD5-12HE-W-CL-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	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°	7208	7208	7208
5°	7182	7198	7233
10°	7181	7201	7243
15°	7181	7202	7261
20°	7189	7217	7250
25°	7181	7208	7252
30°	7168	7220	7237
35°	7164	7230	7235
40°	7142	7205	7205
45°	7081	7166	6244
50°	6971	7077	5991
55°	6774	6057	5885
60°	6456	5631	5376
65°	5970	5227	3723
70°	5198	4067	3318
75°	4107	2730	1784
80°	2643	1304	1112
85°	1087	797	876



TEST NUMBER: P730264

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.5	3.5
10°-20°	1220.6	10.1
20°-30°	1871.4	15.5
30°-40°	2293.7	19.0
40°-50°	2358.1	19.5
50°-60°	2012.5	16.7
60°-70°	1330.5	11.0
70°-80°	492.9	4.1
80°-90°	65.9	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°	3515.5	29.1
0°-40°	5809.1	48.1
0°-60°	10179.7	84.3
0°-90°	12069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4464	4464	4464	4464	4464	
5°	4431	4462	4441	4458	4463	421
15°	4296	4322	4309	4341	4344	1213
25°	4031	4052	4046	4083	4071	1859
35°	3635	3660	3668	3691	3671	2274
45°	3101	3132	3138	3134	2735	2390
55°	2406	2450	2152	2090	2091	2147
65°	1563	1576	1368	1125	975	1541
75°	658	577	438	294	286	706
85°	59	42	43	47	47	97
90°	0	0	0	0	0	



TEST NUMBER: P730264

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4464.3	4464.3	4464.3	4464.3	4464.3
2.5°	4442.5	4470.3	4453.9	4474.6	4490.3
5°	4431.1	4462.1	4440.9	4458.3	4462.6
7.5°	4411.6	4440.3	4420.8	4443.6	4440.3
10°	4380.0	4406.1	4392.5	4416.5	4418.0
12.5°	4339.8	4365.9	4353.4	4382.7	4382.2
15°	4295.8	4321.9	4308.8	4341.4	4343.6
17.5°	4244.1	4268.1	4258.2	4288.2	4276.2
20°	4184.3	4205.0	4200.1	4228.4	4219.6
22.5°	4110.9	4132.1	4127.3	4159.9	4146.8
25°	4031.1	4052.3	4046.3	4082.7	4070.8
27.5°	3944.7	3964.7	3964.2	3998.5	3980.0
30°	3844.6	3871.3	3872.9	3903.3	3881.6
32.5°	3745.7	3770.7	3777.8	3800.1	3781.6
35°	3634.8	3659.8	3668.0	3690.8	3670.7
37.5°	3515.2	3536.4	3551.1	3567.9	3552.2
40°	3388.6	3407.6	3418.5	3439.1	3418.5
42.5°	3247.2	3274.4	3289.7	3304.3	3270.6
45°	3101.0	3132.0	3138.5	3133.6	2734.6
47.5°	2946.1	2979.8	2983.6	2602.1	2528.7
50°	2775.4	2817.8	2817.3	2404.7	2385.2
52.5°	2597.7	2638.5	2636.8	2250.3	2237.3
55°	2406.3	2450.4	2151.9	2089.5	2090.6
57.5°	2211.2	2242.7	1930.8	1933.4	1897.6
60°	1999.2	2029.1	1743.8	1726.9	1664.9
62.5°	1786.7	1799.2	1562.7	1480.6	1362.7
65°	1562.7	1575.8	1368.2	1125.2	974.6
67.5°	1332.8	1345.9	1135.5	837.1	825.6
70°	1101.2	994.7	861.6	697.4	702.8
72.5°	873.0	764.3	563.1	540.3	390.3
75°	658.3	576.7	437.6	294.1	285.9
77.5°	458.2	397.3	234.3	200.6	187.5
80°	284.3	199.5	140.2	124.5	119.6
82.5°	144.0	114.7	76.1	76.1	76.1
85°	58.7	41.9	43.0	46.7	47.3
87.5°	12.5	16.8	20.7	21.2	20.7
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)