

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: P730292

Luminaire Tested: **HBLED-LD5-12HE-W-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-WG-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12010.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

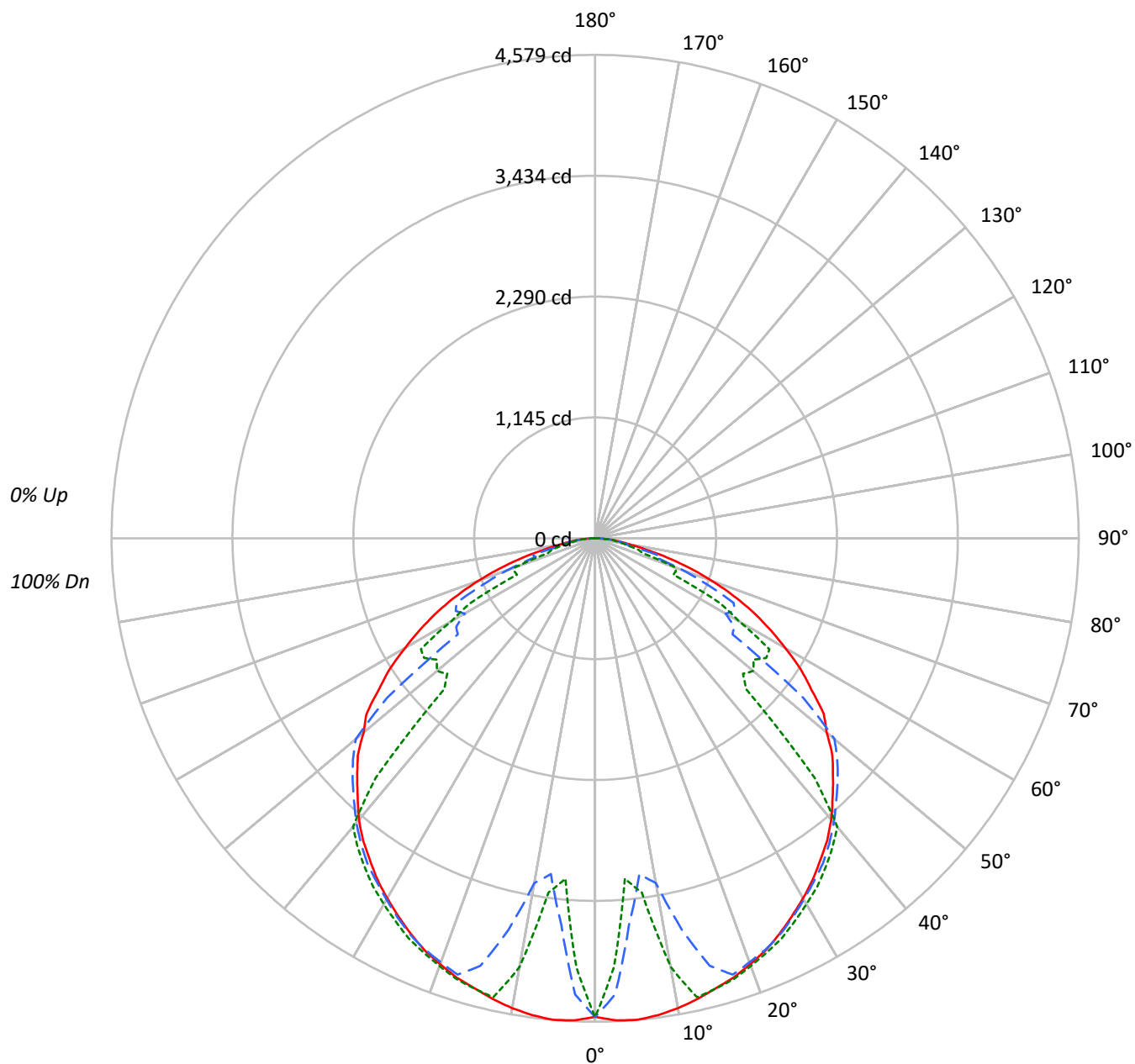
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730292

CATALOG NUMBER: HBLED-LD5-12HE-W-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730292

CATALOG NUMBER: HBLED-LD5-12HE-W-WG-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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7320	7320	7320
5°	7421	5962	5243
10°	7409	5437	6762
15°	7376	7008	7382
20°	7376	7342	7407
25°	7363	7379	7447
30°	7341	7366	7460
35°	7330	7411	7497
40°	7331	7410	7517
45°	7273	7415	4608
50°	7191	7430	4911
55°	7039	4468	5567
60°	6715	4605	5097
65°	6291	5530	3119
70°	5556	4189	3823
75°	4427	3808	2651
80°	3050	2752	2278
85°	2921	2540	2410



TEST NUMBER: P730292

CATALOG NUMBER: HBLED-LD5-12HE-W-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	3.0
10°-20°	1135.7	9.5
20°-30°	1868.5	15.6
30°-40°	2349.4	19.6
40°-50°	2304.1	19.2
50°-60°	1909.1	15.9
60°-70°	1346.5	11.2
70°-80°	587.5	4.9
80°-90°	146.8	1.2
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°	3366.7	28.0
0°-40°	5716.0	47.6
0°-60°	9929.2	82.7
0°-90°	12010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4533	4533	4533	4533	4533	
5°	4579	4262	3678	3335	3235	435
15°	4412	3064	4192	4430	4416	1248
25°	4133	3782	4142	4170	4180	1905
35°	3719	3716	3760	3785	3804	2330
45°	3185	3195	3248	2876	2018	2459
55°	2501	2582	1587	1805	1978	2237
65°	1647	1744	1447	1113	816	1619
75°	710	696	610	399	425	761
85°	158	140	137	131	130	164
90°	0	0	0	0	0	



TEST NUMBER: P730292

CATALOG NUMBER: HBLED-LD5-12HE-W-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4533.4	4533.4	4533.4	4533.4	4533.4
2.5°	4570.8	4475.9	4325.2	4135.5	4068.3
5°	4578.9	4261.8	3678.5	3335.4	3235.1
7.5°	4555.6	3873.1	3206.9	3279.0	3385.3
10°	4518.8	3531.6	3316.4	3901.9	4124.7
12.5°	4471.6	3228.1	3799.4	4407.6	4452.0
15°	4412.5	3064.4	4192.4	4429.9	4416.3
17.5°	4362.6	3160.3	4333.4	4385.4	4375.6
20°	4292.7	3351.7	4273.2	4314.9	4311.1
22.5°	4222.2	3578.2	4216.3	4246.1	4246.1
25°	4132.8	3781.5	4142.0	4169.7	4180.0
27.5°	4034.7	3898.6	4049.3	4072.1	4090.5
30°	3937.6	3915.4	3950.7	3979.9	4001.6
32.5°	3835.2	3826.5	3854.2	3885.1	3912.7
35°	3718.6	3716.5	3759.8	3784.8	3803.8
37.5°	3609.1	3601.6	3641.7	3676.4	3691.0
40°	3478.0	3478.0	3515.9	3551.1	3566.3
42.5°	3328.3	3349.5	3378.8	3415.1	3075.7
45°	3185.2	3195.0	3247.6	2876.3	2018.1
47.5°	3047.5	3060.0	3109.9	1849.0	1899.5
50°	2862.7	2919.1	2958.1	1843.6	1955.3
52.5°	2727.7	2752.1	2483.2	1825.2	1888.0
55°	2500.6	2582.4	1587.2	1804.6	1977.5
57.5°	2306.6	2366.2	1560.7	1849.0	1956.3
60°	2079.4	2170.5	1426.2	1784.0	1578.5
62.5°	1861.5	1948.2	1489.1	1404.0	1336.8
65°	1646.8	1743.8	1447.4	1113.4	816.4
67.5°	1411.5	1321.1	1154.6	784.4	825.6
70°	1176.9	922.6	887.4	877.1	809.9
72.5°	935.6	673.3	589.2	658.1	471.1
75°	709.6	695.5	610.4	399.0	425.0
77.5°	492.2	502.0	326.9	389.2	323.1
80°	328.0	284.1	296.0	248.3	245.0
82.5°	227.1	232.0	194.6	188.6	191.4
85°	157.7	140.4	137.1	131.2	130.1
87.5°	52.6	61.3	56.9	51.5	54.8
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)