

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: P730250

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730250
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-LD5-12HE-W-A-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11147.0 lumens
Efficiency: N/A
Efficacy: 153.3 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

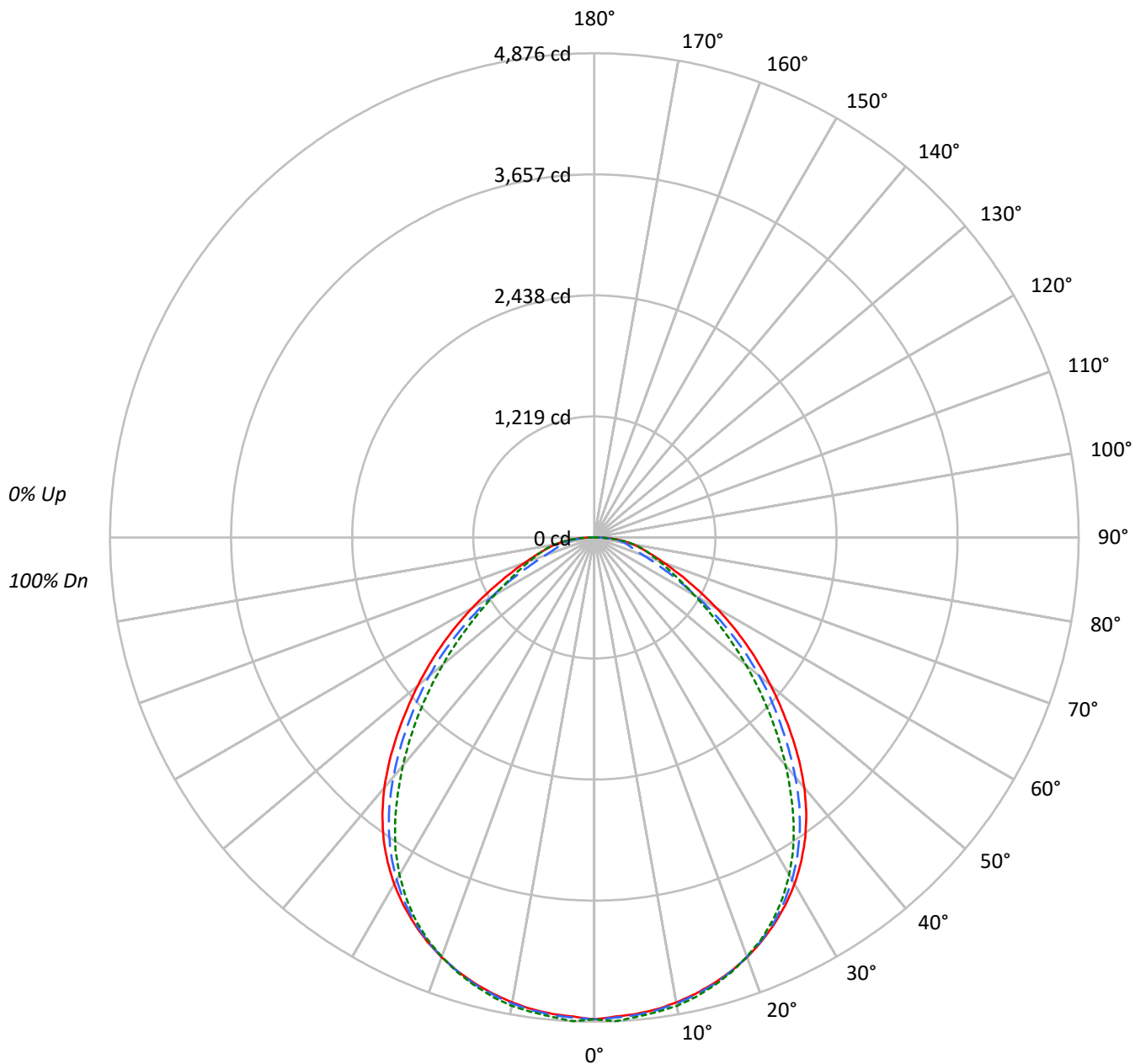
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730250

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

Luminous Intensity Polar Plot





TEST NUMBER: P730250

CATALOG NUMBER: HBLED-LD5-12HE-W-A-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	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°	7835	7835	7835
5°	7807	7825	7857
10°	7796	7814	7853
15°	7770	7785	7804
20°	7729	7724	7718
25°	7645	7619	7576
30°	7513	7423	7314
35°	7295	7112	6893
40°	6932	6635	6316
45°	6404	6047	5681
50°	5821	5445	4997
55°	5235	4714	4320
60°	4581	3852	3748
65°	3950	3030	3383
70°	3521	2472	3260
75°	3373	2414	3407
80°	3649	2854	3795
85°	4096	3436	4137



TEST NUMBER: P730250

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.9	4.1
10°-20°	1316.2	11.8
20°-30°	1968.9	17.7
30°-40°	2246.3	20.2
40°-50°	2044.8	18.3
50°-60°	1501.5	13.5
60°-70°	886.6	8.0
70°-80°	508.1	4.6
80°-90°	214.8	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°	3745.0	33.6
0°-40°	5991.3	53.7
0°-60°	9537.6	85.6
0°-90°	11147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4852	4852	4852	4852	4852	
5°	4817	4847	4828	4847	4848	458
15°	4648	4674	4658	4674	4669	1312
25°	4292	4307	4277	4275	4253	1975
35°	3701	3683	3608	3546	3497	2306
45°	2805	2788	2648	2529	2488	2161
55°	1860	1774	1675	1553	1534	1663
65°	1034	902	793	848	886	1040
75°	541	464	387	505	546	583
85°	221	204	186	219	223	231
90°	0	0	0	0	0	



TEST NUMBER: P730250

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4852.5	4852.5	4852.5	4852.5	4852.5
2.5°	4830.0	4857.9	4840.4	4859.6	4876.0
5°	4816.9	4847.0	4827.9	4847.0	4847.5
7.5°	4792.8	4820.7	4802.1	4822.9	4820.7
10°	4755.0	4783.0	4766.0	4788.5	4790.1
12.5°	4706.9	4733.7	4716.2	4741.9	4737.6
15°	4648.3	4674.1	4657.6	4674.1	4668.6
17.5°	4579.4	4602.9	4581.6	4599.7	4590.4
20°	4498.4	4518.1	4495.1	4512.1	4491.9
22.5°	4401.6	4419.0	4395.0	4404.3	4383.5
25°	4291.5	4306.9	4276.8	4275.1	4252.7
27.5°	4168.9	4177.2	4138.9	4125.7	4100.0
30°	4030.0	4032.1	3981.3	3956.6	3923.2
32.5°	3874.0	3868.5	3803.4	3766.7	3725.7
35°	3701.1	3683.0	3608.0	3546.2	3496.9
37.5°	3505.7	3477.3	3387.5	3296.1	3249.0
40°	3289.0	3255.6	3147.8	3034.5	2996.7
42.5°	3053.1	3024.7	2897.7	2779.5	2742.3
45°	2804.7	2788.3	2648.1	2529.4	2487.8
47.5°	2556.2	2544.2	2407.4	2286.4	2236.1
50°	2317.6	2291.3	2167.7	2035.2	1989.3
52.5°	2086.1	2032.5	1923.6	1787.9	1754.0
55°	1859.6	1773.7	1674.6	1553.1	1534.5
57.5°	1635.2	1524.1	1427.8	1336.9	1336.4
60°	1418.5	1291.5	1193.0	1145.4	1160.7
62.5°	1215.4	1085.2	978.5	981.8	1009.7
65°	1033.8	902.4	793.0	848.2	885.5
67.5°	877.8	752.5	641.4	744.3	779.8
70°	745.9	632.6	523.7	652.3	690.6
72.5°	634.8	539.6	441.6	575.7	614.6
75°	540.7	463.5	386.9	504.6	546.1
77.5°	464.1	395.7	347.0	436.7	479.9
80°	392.4	332.2	307.0	371.1	408.2
82.5°	310.8	269.3	254.5	301.5	320.7
85°	221.1	204.1	185.5	218.9	223.3
87.5°	121.5	125.9	104.0	125.9	126.4
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)