

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: P730508

Luminaire Tested: **HBLED-LD5-15SE-W-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730508
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-LD5-15SE-W-WG-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15174.0 lumens
Efficiency: N/A
Efficacy: 161.4 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

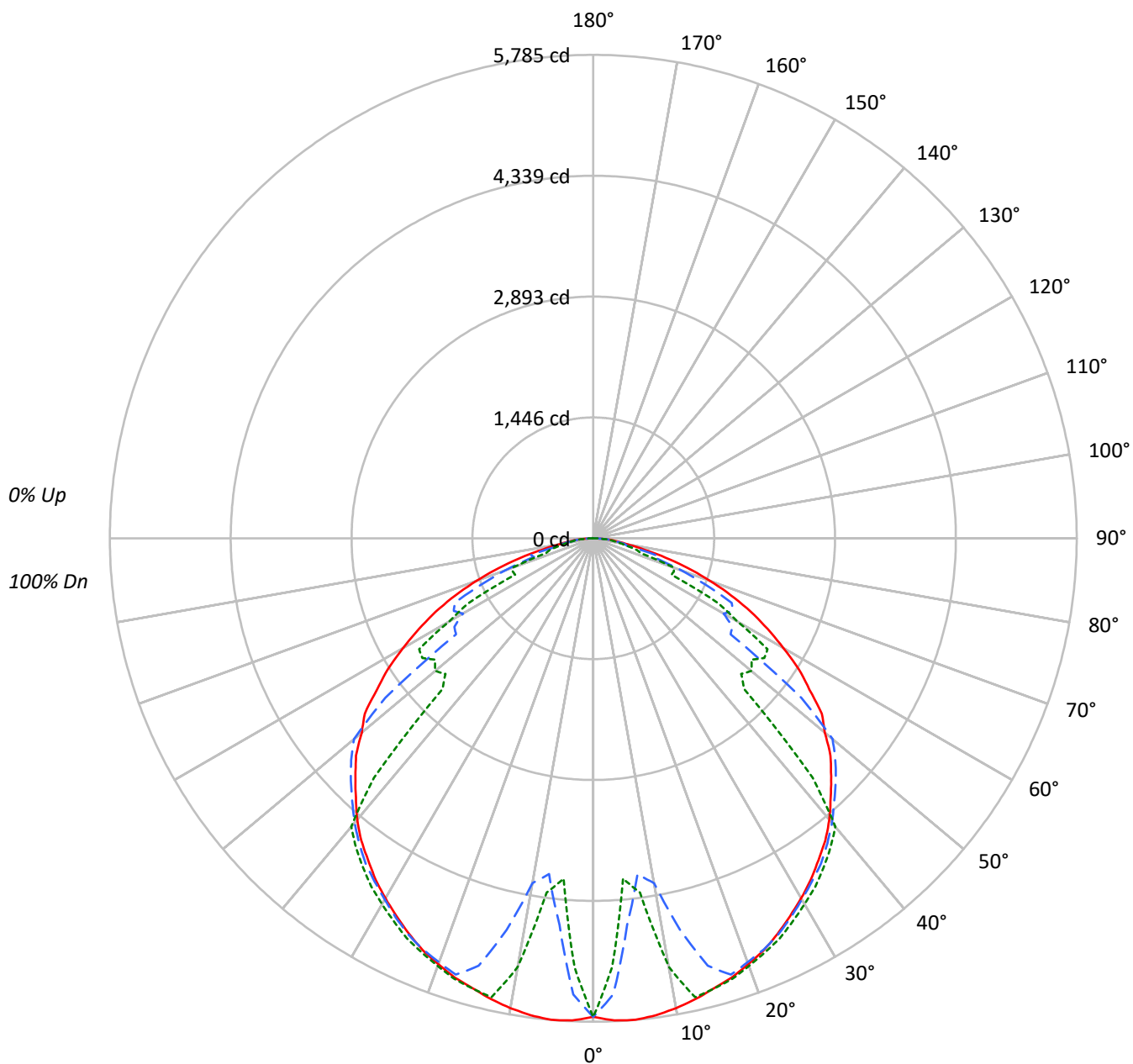
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730508

CATALOG NUMBER: HBLED-LD5-15SE-W-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730508

CATALOG NUMBER: HBLED-LD5-15SE-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°	9248	9248	9248
5°	9376	7533	6625
10°	9360	6870	8544
15°	9319	8854	9327
20°	9319	9277	9359
25°	9302	9323	9408
30°	9275	9306	9426
35°	9261	9363	9473
40°	9262	9363	9497
45°	9189	9369	5822
50°	9085	9388	6205
55°	8894	5645	7033
60°	8484	5819	6440
65°	7949	6986	3940
70°	7019	5293	4830
75°	5593	4811	3350
80°	3853	3477	2879
85°	3692	3209	3046



TEST NUMBER: P730508

CATALOG NUMBER: HBLED-LD5-15SE-W-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.0	3.0
10°-20°	1434.9	9.5
20°-30°	2360.7	15.6
30°-40°	2968.3	19.6
40°-50°	2911.1	19.2
50°-60°	2412.0	15.9
60°-70°	1701.3	11.2
70°-80°	742.3	4.9
80°-90°	185.4	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°	4253.6	28.0
0°-40°	7221.9	47.6
0°-60°	12545.0	82.7
0°-90°	15174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5728	5728	5728	5728	5728	
5°	5785	5384	4648	4214	4087	549
15°	5575	3872	5297	5597	5580	1576
25°	5222	4778	5233	5268	5281	2407
35°	4698	4696	4750	4782	4806	2944
45°	4024	4037	4103	3634	2550	3106
55°	3159	3263	2005	2280	2498	2827
65°	2081	2203	1829	1407	1031	2046
75°	896	879	771	504	537	961
85°	199	177	173	166	164	207
90°	0	0	0	0	0	



TEST NUMBER: P730508

CATALOG NUMBER: HBLED-LD5-15SE-W-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5727.7	5727.7	5727.7	5727.7	5727.7
2.5°	5775.0	5655.1	5464.7	5225.0	5140.1
5°	5785.2	5384.5	4647.6	4214.1	4087.4
7.5°	5755.8	4893.5	4051.8	4142.8	4277.1
10°	5709.2	4462.0	4190.1	4929.8	5211.3
12.5°	5649.6	4078.5	4800.3	5568.8	5624.9
15°	5574.9	3871.7	5296.9	5596.9	5579.7
17.5°	5511.9	3992.9	5475.0	5540.7	5528.4
20°	5423.6	4234.7	5399.0	5451.7	5446.9
22.5°	5334.6	4520.9	5327.0	5364.7	5364.7
25°	5221.6	4777.8	5233.2	5268.2	5281.2
27.5°	5097.6	4925.7	5116.1	5144.8	5168.1
30°	4975.0	4946.9	4991.5	5028.4	5055.8
32.5°	4845.6	4834.6	4869.5	4908.6	4943.5
35°	4698.3	4695.5	4750.3	4781.8	4805.9
37.5°	4559.9	4550.4	4601.0	4644.9	4663.4
40°	4394.2	4394.2	4442.1	4486.7	4505.9
42.5°	4205.2	4231.9	4268.9	4314.7	3886.0
45°	4024.4	4036.7	4103.1	3634.0	2549.8
47.5°	3850.4	3866.1	3929.2	2336.1	2399.9
50°	3616.9	3688.1	3737.4	2329.3	2470.4
52.5°	3446.4	3477.1	3137.4	2306.0	2385.4
55°	3159.4	3262.8	2005.3	2280.0	2498.4
57.5°	2914.2	2989.6	1971.8	2336.1	2471.7
60°	2627.2	2742.3	1801.9	2254.0	1994.4
62.5°	2351.9	2461.5	1881.4	1773.9	1688.9
65°	2080.7	2203.3	1828.7	1406.7	1031.4
67.5°	1783.4	1669.1	1458.8	991.0	1043.1
70°	1486.9	1165.7	1121.2	1108.2	1023.2
72.5°	1182.1	850.6	744.5	831.5	595.2
75°	896.5	878.7	771.2	504.1	537.0
77.5°	621.9	634.2	413.0	491.7	408.2
80°	414.4	358.9	373.9	313.7	309.6
82.5°	287.0	293.1	245.9	238.3	241.8
85°	199.3	177.4	173.2	165.8	164.4
87.5°	66.4	77.4	71.9	65.1	69.2
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)