

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: P730478

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730478
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-LD5-15SE-W-CL-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14453.0 lumens
Efficiency: N/A
Efficacy: 153.8 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

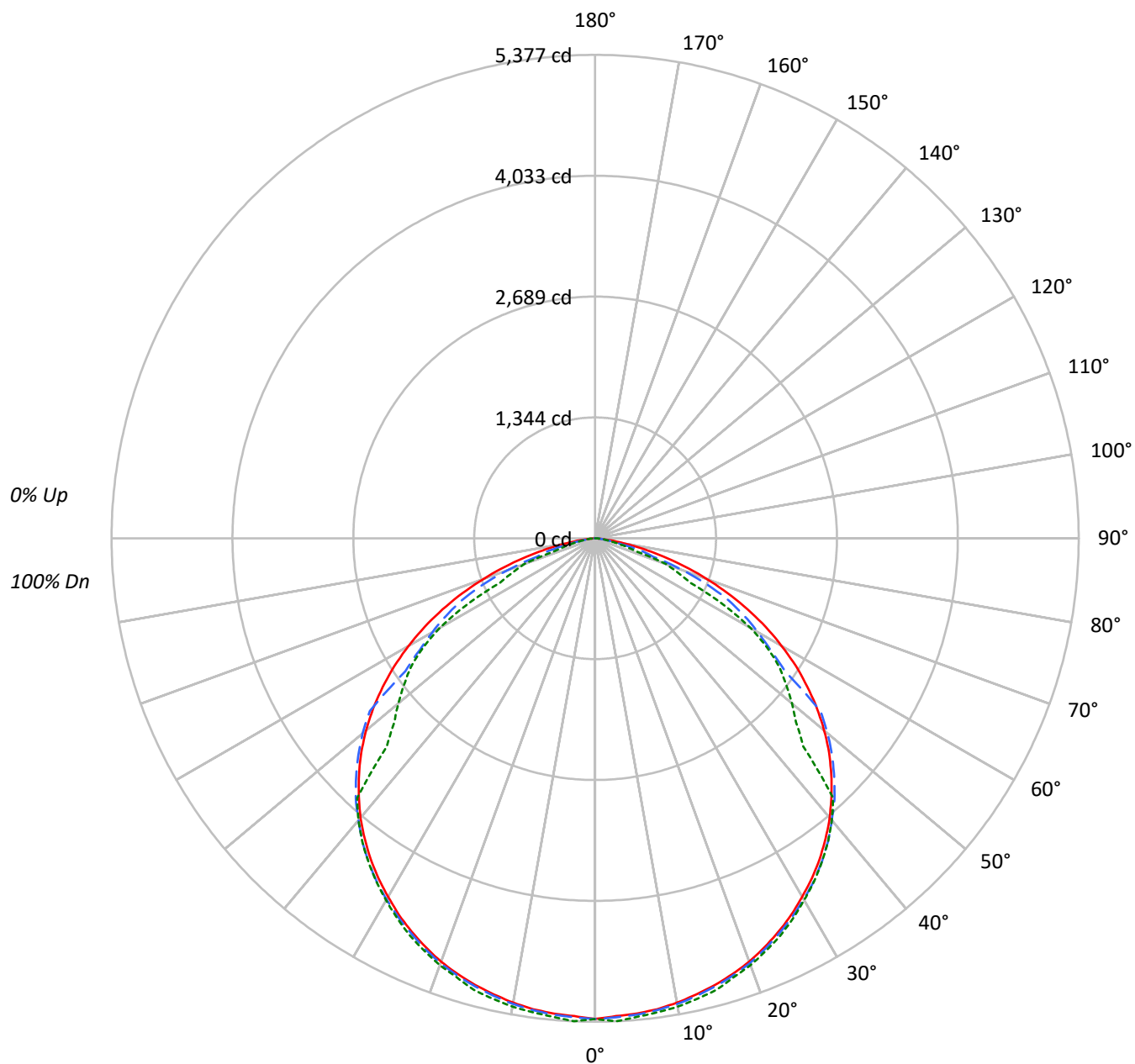
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	8632	8632	8632
5°	8600	8619	8662
10°	8599	8624	8674
15°	8599	8625	8695
20°	8610	8642	8682
25°	8600	8632	8685
30°	8584	8647	8666
35°	8580	8658	8664
40°	8553	8628	8628
45°	8480	8582	7478
50°	8349	8474	7175
55°	8112	7254	7047
60°	7731	6743	6438
65°	7150	6259	4459
70°	6226	4871	3973
75°	4918	3269	2136
80°	3165	1561	1331
85°	1302	952	1049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.1	3.5
10°-20°	1461.7	10.1
20°-30°	2241.0	15.5
30°-40°	2746.7	19.0
40°-50°	2823.8	19.5
50°-60°	2410.0	16.7
60°-70°	1593.3	11.0
70°-80°	590.3	4.1
80°-90°	78.9	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°	4209.9	29.1
0°-40°	6956.6	48.1
0°-60°	12190.5	84.3
0°-90°	14453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5346	5346	5346	5346	5346	
5°	5306	5344	5318	5339	5344	505
15°	5144	5176	5160	5199	5202	1453
25°	4827	4853	4846	4889	4875	2226
35°	4353	4383	4392	4420	4396	2723
45°	3714	3751	3758	3753	3275	2862
55°	2882	2934	2577	2502	2504	2571
65°	1871	1887	1638	1347	1167	1845
75°	788	691	524	352	342	846
85°	70	50	51	56	57	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5346.1	5346.1	5346.1	5346.1	5346.1
2.5°	5320.1	5353.3	5333.7	5358.4	5377.3
5°	5306.4	5343.5	5318.1	5338.9	5344.2
7.5°	5283.0	5317.4	5294.0	5321.4	5317.4
10°	5245.2	5276.4	5260.2	5288.9	5290.7
12.5°	5197.1	5228.3	5213.3	5248.4	5247.8
15°	5144.3	5175.6	5159.9	5199.0	5201.6
17.5°	5082.5	5111.1	5099.4	5135.2	5120.9
20°	5010.9	5035.6	5029.7	5063.6	5053.2
22.5°	4923.0	4948.4	4942.6	4981.6	4965.9
25°	4827.3	4852.7	4845.5	4889.2	4874.9
27.5°	4723.8	4747.9	4747.2	4788.3	4766.1
30°	4604.0	4636.0	4637.9	4674.4	4648.3
32.5°	4485.6	4515.5	4524.0	4550.7	4528.6
35°	4352.8	4382.7	4392.5	4419.9	4395.8
37.5°	4209.6	4235.0	4252.5	4272.7	4253.8
40°	4057.9	4080.7	4093.7	4118.4	4093.7
42.5°	3888.7	3921.2	3939.5	3957.0	3916.7
45°	3713.6	3750.6	3758.5	3752.6	3274.8
47.5°	3528.1	3568.4	3573.0	3116.0	3028.2
50°	3323.7	3374.5	3373.8	2879.7	2856.3
52.5°	3110.8	3159.7	3157.7	2694.9	2679.3
55°	2881.7	2934.4	2577.0	2502.2	2503.5
57.5°	2648.0	2685.7	2312.1	2315.3	2272.4
60°	2394.1	2429.9	2088.2	2068.0	1993.8
62.5°	2139.6	2154.6	1871.4	1773.1	1631.9
65°	1871.4	1887.0	1638.4	1347.4	1167.1
67.5°	1596.1	1611.7	1359.8	1002.4	988.7
70°	1318.8	1191.2	1031.8	835.2	841.6
72.5°	1045.4	915.2	674.4	647.0	467.3
75°	788.3	690.6	524.0	352.2	342.4
77.5°	548.8	475.8	280.5	240.2	224.6
80°	340.4	238.9	167.9	149.1	143.2
82.5°	172.5	137.4	91.1	91.1	91.1
85°	70.3	50.1	51.4	56.0	56.6
87.5°	15.0	20.2	24.7	25.4	24.7
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)