

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: P730502

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16023.0 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

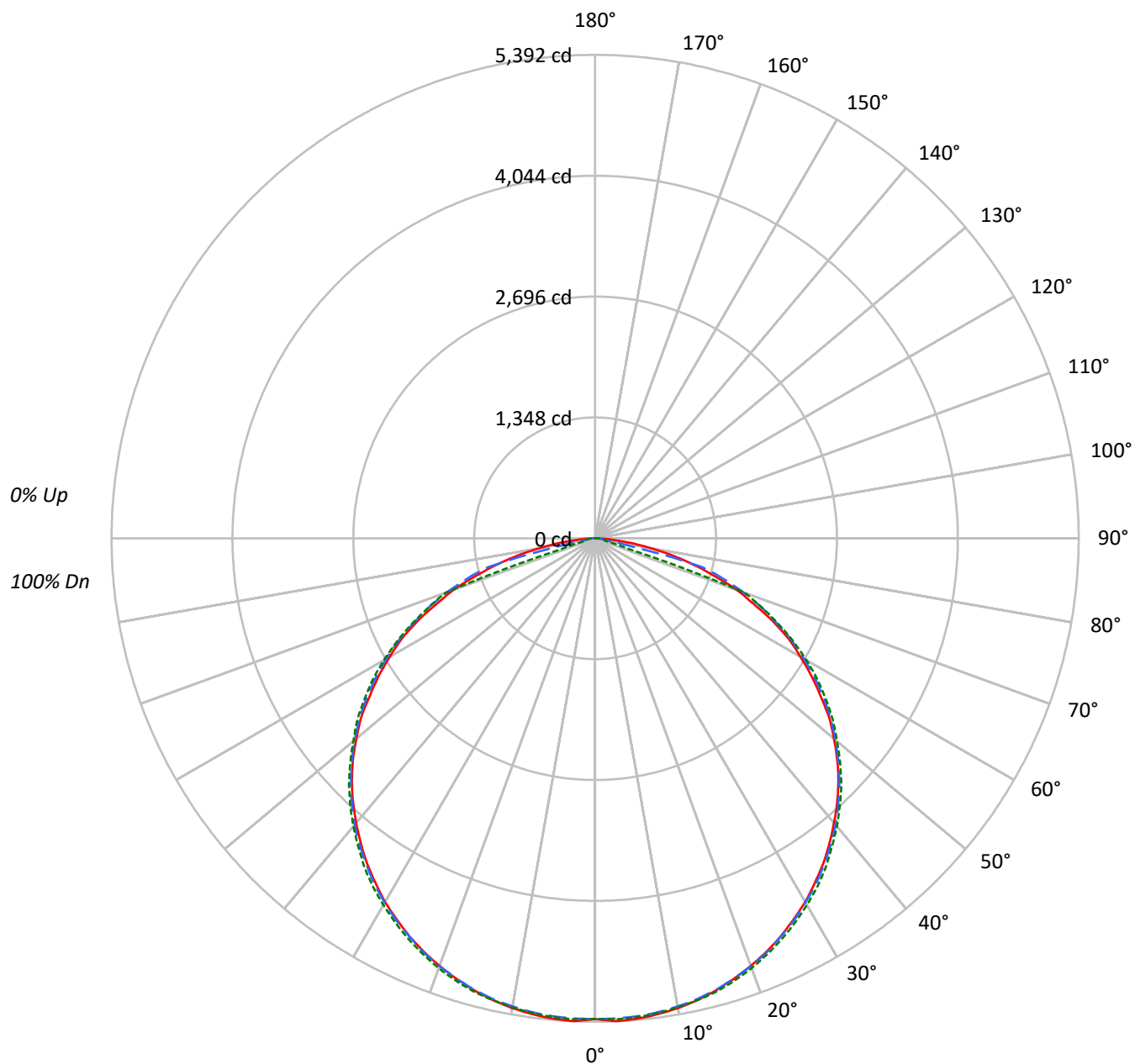
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8657	8657	8657
5°	8719	8675	8690
10°	8724	8693	8710
15°	8723	8711	8751
20°	8722	8724	8769
25°	8726	8731	8784
30°	8736	8747	8805
35°	8734	8762	8836
40°	8736	8791	8839
45°	8760	8793	8864
50°	8734	8785	8842
55°	8638	8759	8853
60°	8539	8678	8786
65°	8351	8524	8588
70°	7928	8266	8368
75°	7071	7667	924
80°	5686	955	1011
85°	3783	1239	1262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.3	3.2
10°-20°	1471.5	9.2
20°-30°	2260.8	14.1
30°-40°	2783.2	17.4
40°-50°	2967.1	18.5
50°-60°	2773.7	17.3
60°-70°	2195.7	13.7
70°-80°	934.2	5.8
80°-90°	127.6	0.8
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°	4241.6	26.5
0°-40°	7024.7	43.8
0°-60°	12765.6	79.7
0°-90°	16023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5362	5362	5362	5362	5362	
5°	5380	5356	5352	5331	5362	511
15°	5218	5209	5211	5197	5235	1473
25°	4898	4892	4901	4898	4931	2258
35°	4431	4424	4446	4461	4483	2773
45°	3836	3815	3851	3866	3882	2956
55°	3068	3078	3112	3122	3145	2748
65°	2186	2205	2231	2248	2248	2150
75°	1134	1182	1229	201	148	1199
85°	204	61	67	69	68	266
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5361.8	5361.8	5361.8	5361.8	5361.8
2.5°	5391.6	5366.5	5361.8	5340.3	5368.9
5°	5379.7	5355.8	5352.2	5330.7	5361.8
7.5°	5354.6	5335.5	5333.1	5310.4	5341.4
10°	5321.1	5303.2	5302.0	5281.7	5312.8
12.5°	5275.8	5260.2	5265.0	5244.7	5275.8
15°	5218.4	5208.9	5211.3	5196.9	5235.1
17.5°	5149.1	5144.4	5149.1	5138.4	5173.0
20°	5076.3	5070.3	5077.5	5071.5	5103.8
22.5°	4991.5	4984.3	4998.7	4990.3	5020.1
25°	4898.3	4892.3	4900.7	4898.3	4930.6
27.5°	4792.0	4786.0	4804.0	4805.2	4830.2
30°	4685.7	4677.4	4691.7	4697.7	4722.7
32.5°	4559.1	4556.7	4578.2	4583.0	4609.3
35°	4431.3	4424.1	4445.6	4461.2	4482.7
37.5°	4291.6	4290.4	4313.1	4326.2	4336.9
40°	4144.6	4138.7	4170.9	4184.1	4193.6
42.5°	3995.3	3982.2	4013.3	4030.0	4040.7
45°	3836.5	3815.0	3850.8	3866.3	3881.9
47.5°	3662.1	3643.0	3677.6	3694.3	3705.1
50°	3477.0	3459.0	3497.3	3511.6	3520.0
52.5°	3290.6	3272.7	3313.3	3325.3	3345.6
55°	3068.5	3078.0	3111.5	3122.2	3144.9
57.5°	2863.0	2871.4	2903.6	2916.8	2943.1
60°	2644.4	2657.6	2687.4	2700.6	2720.9
62.5°	2433.0	2434.2	2470.1	2476.0	2491.6
65°	2185.8	2204.9	2231.2	2247.9	2247.9
67.5°	1909.9	1956.5	2001.8	1998.3	2007.8
70°	1679.4	1697.3	1751.0	1759.4	1772.5
72.5°	1390.3	1436.9	1496.6	1118.0	379.8
75°	1133.5	1182.5	1229.1	200.7	148.1
77.5°	880.3	918.5	408.5	114.7	112.3
80°	611.5	672.5	102.7	105.1	108.7
82.5°	402.5	328.5	84.8	93.2	94.4
85°	204.2	60.9	66.9	69.3	68.1
87.5°	66.9	37.0	38.2	39.4	40.6
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)