

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: P219358

Luminaire Tested: **SSLED-LD5-15-M-UNV-L840-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P219358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-15-M-UNV-L840-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15612.0 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

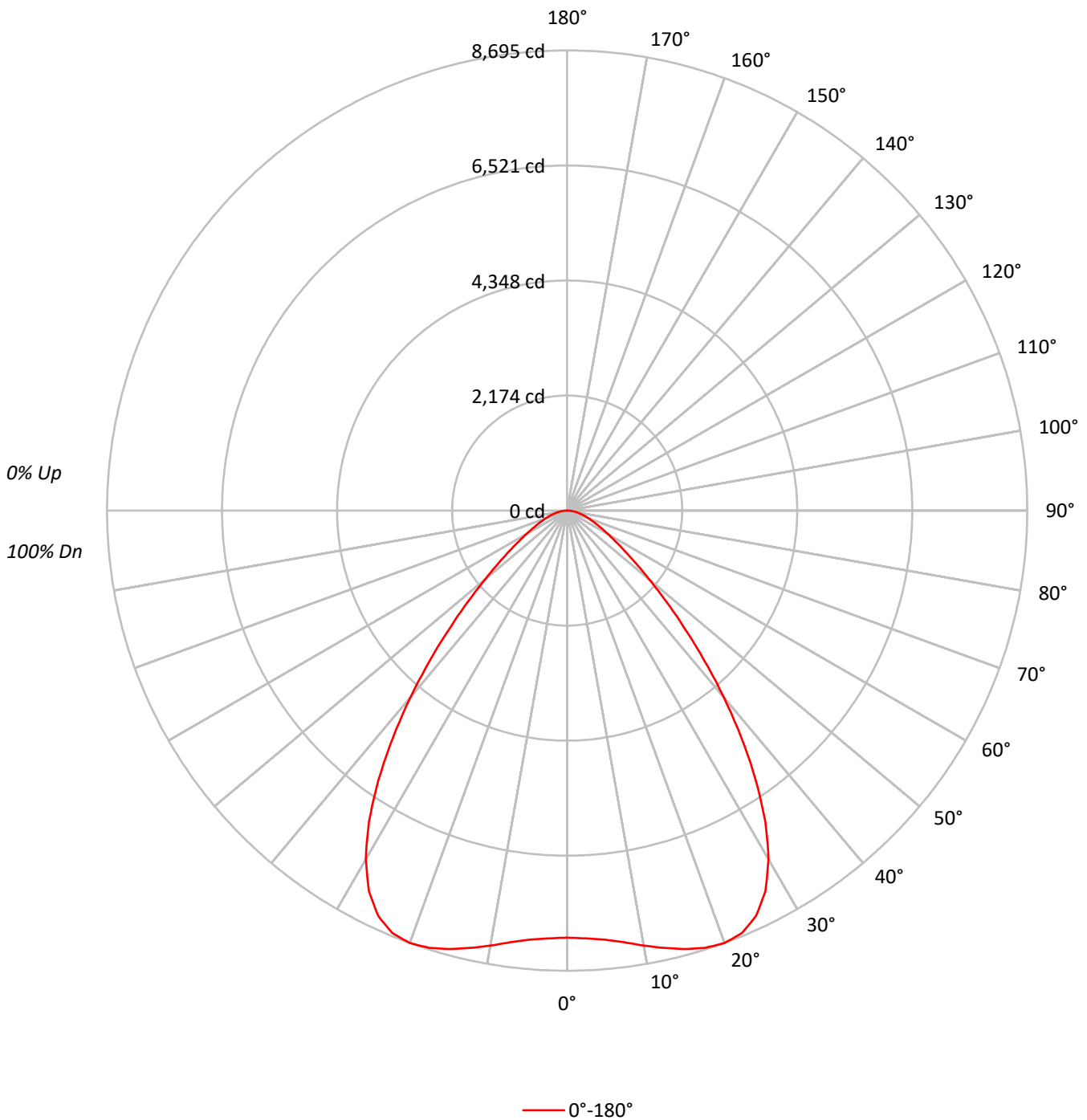
Input Watts (W): 110.74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55617
5°	56321
10°	58418
15°	61212
20°	63785
25°	64274
30°	60568
35°	52284
40°	41415
45°	30445
50°	21718
55°	15882
60°	12304
65°	10111
70°	8725
75°	7849
80°	7297
85°	6865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	783.5	5.0
10°-20°	2430.8	15.6
20°-30°	3844.4	24.6
30°-40°	3840.7	24.6
40°-50°	2448.7	15.7
50°-60°	1222.3	7.8
60°-70°	628.2	4.0
70°-80°	316.4	2.0
80°-90°	96.9	0.6
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°	7058.7	45.2
0°-40°	10899.4	69.8
0°-60°	14570.4	93.3
0°-90°	15612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8068	
5°	8139	784
15°	8577	2431
25°	8450	3844
35°	6213	3841
45°	3123	2449
55°	1322	1222
65°	620	628
75°	295	316
85°	87	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8068.0
2.5°	8090.8
5°	8139.0
7.5°	8225.2
10°	8345.6
12.5°	8464.8
15°	8577.0
17.5°	8663.8
20°	8694.9
22.5°	8636.6
25°	8450.2
27.5°	8109.2
30°	7609.1
32.5°	6969.6
35°	6212.8
37.5°	5405.3
40°	4602.2
42.5°	3830.2
45°	3122.9
47.5°	2522.6
50°	2025.1
52.5°	1630.2
55°	1321.5
57.5°	1081.9
60°	892.4
62.5°	741.6
65°	619.9
67.5°	519.1
70°	432.9
72.5°	358.7
75°	294.7
77.5°	238.3
80°	183.8
82.5°	134.4
85°	86.8
87.5°	43.1
90°	0.0

(END OF REPORT)