

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: P219354

Luminaire Tested: **SSLED-LD5-12-M-UNV-L835-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: P219354
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-LD5-12-M-UNV-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11775.6 lumens
Efficiency: N/A
Efficacy: 138.0 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

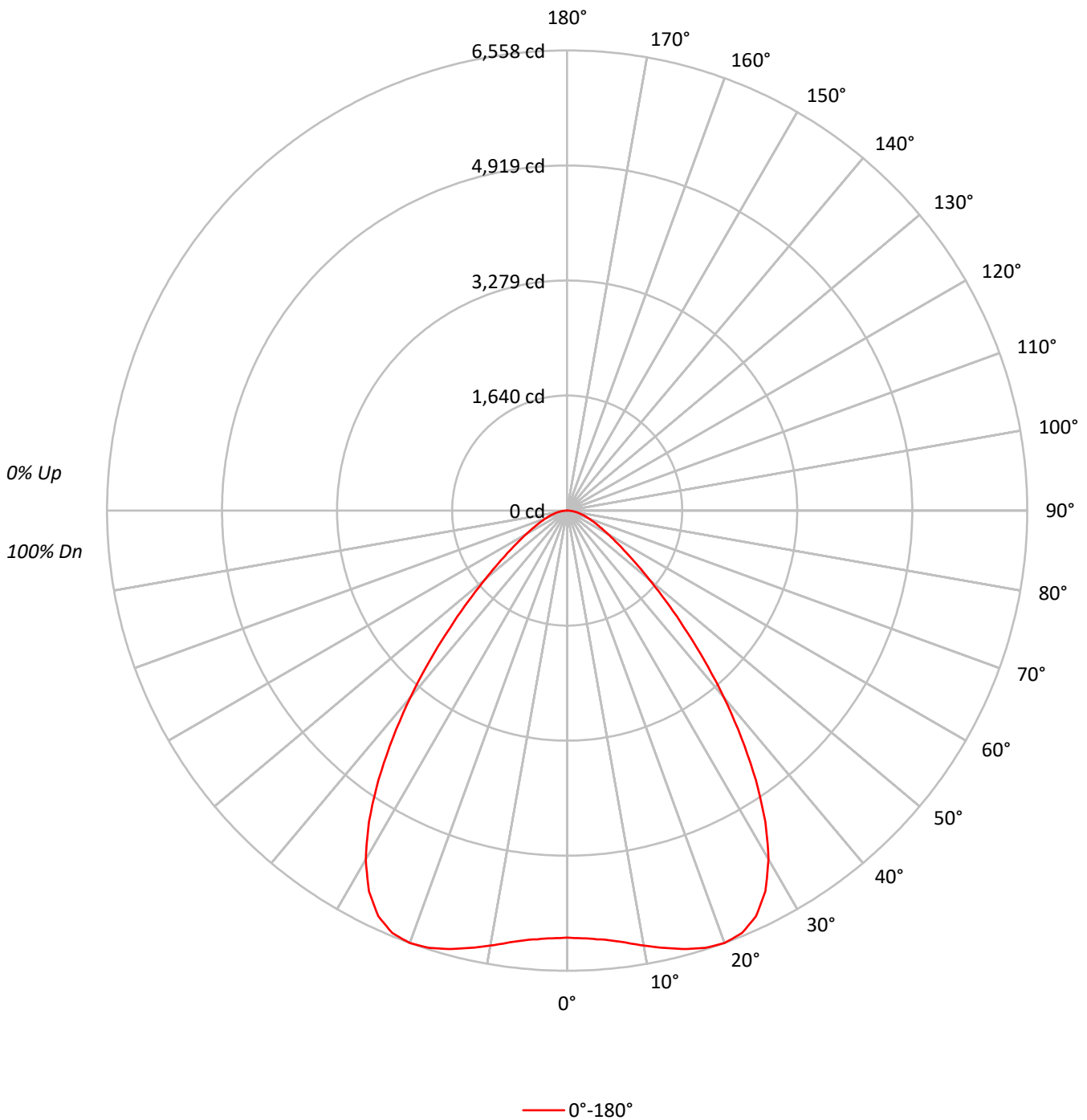
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41950
5°	42481
10°	44063
15°	46170
20°	48111
25°	48479
30°	45685
35°	39436
40°	31238
45°	22964
50°	16382
55°	11980
60°	9280
65°	7627
70°	6581
75°	5921
80°	5502
85°	5181



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.0	5.0
10°-20°	1833.5	15.6
20°-30°	2899.7	24.6
30°-40°	2896.9	24.6
40°-50°	1847.0	15.7
50°-60°	921.9	7.8
60°-70°	473.8	4.0
70°-80°	238.7	2.0
80°-90°	73.1	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°	5324.1	45.2
0°-40°	8221.0	69.8
0°-60°	10990.0	93.3
0°-90°	11775.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11775.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6085	
5°	6139	591
15°	6469	1833
25°	6374	2900
35°	4686	2897
45°	2356	1847
55°	997	922
65°	468	474
75°	222	239
85°	66	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6085.4
2.5°	6102.6
5°	6139.0
7.5°	6204.0
10°	6294.8
12.5°	6384.7
15°	6469.3
17.5°	6534.8
20°	6558.2
22.5°	6514.3
25°	6373.7
27.5°	6116.5
30°	5739.3
32.5°	5256.9
35°	4686.1
37.5°	4077.0
40°	3471.3
42.5°	2889.0
45°	2355.5
47.5°	1902.7
50°	1527.5
52.5°	1229.6
55°	996.8
57.5°	816.1
60°	673.1
62.5°	559.3
65°	467.6
67.5°	391.5
70°	326.5
72.5°	270.6
75°	222.3
77.5°	179.8
80°	138.6
82.5°	101.4
85°	65.5
87.5°	32.5
90°	0.0

(END OF REPORT)