

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: P219438

Luminaire Tested: **SSLED-LD5-12-W-UNV-L835-CD1-UPL-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: P219438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10317.6 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

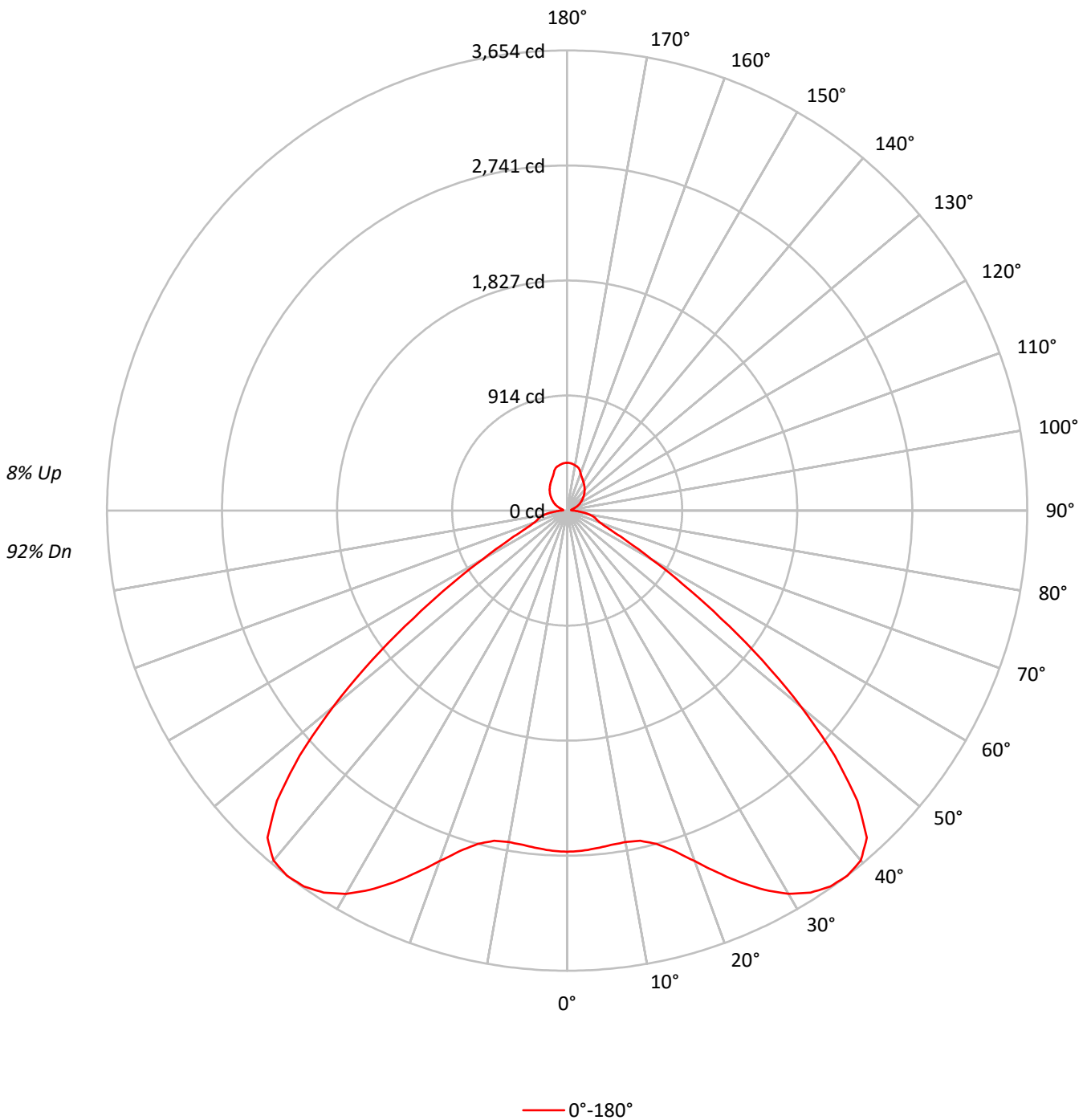
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219438

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U

Luminous Intensity Polar Plot





TEST NUMBER: P219438

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	108	104	100	97	105	101	98	95	95	93	90	90	88	86	85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77	81	77	74	76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65	72	67	63	68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	58	52	48	55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43	52	46	42	50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	43	37	33	42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30	40	34	29	38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18673
5°	18622
10°	18706
15°	19547
20°	21727
25°	24770
30°	27970
35°	30657
40°	32644
45°	31758
50°	26071
55°	17898
60°	10652
65°	6784
70°	5551
75°	6177
80°	7023
85°	7791



TEST NUMBER: P219438

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	2.5
10°-20°	789.1	7.6
20°-30°	1511.6	14.7
30°-40°	2273.1	22.0
40°-50°	2444.1	23.7
50°-60°	1361.9	13.2
60°-70°	449.3	4.4
70°-80°	242.3	2.3
80°-90°	116.7	1.1
90°-100°	38.9	0.4
100°-110°	50.7	0.5
110°-120°	93.9	0.9
120°-130°	128.6	1.2
130°-140°	148.7	1.4
140°-150°	149.0	1.4
150°-160°	130.7	1.3
160°-170°	97.3	0.9
170°-180°	35.5	0.3
0°-30°	2557.0	24.8
0°-40°	4830.1	46.8
0°-60°	8636.1	83.7
0°-90°	9444.4	91.5
90°-120°	183.4	1.8
90°-150°	609.7	5.9
90°-180°	873.0	8.5
0°-180°	10317.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2709	
5°	2691	256
15°	2739	789
25°	3257	1512
35°	3643	2273
45°	3258	2444
55°	1489	1362
65°	416	449
75°	232	242
85°	98	100
90°	52	29
95°	32	27
105°	46	51
115°	96	94
125°	144	129
135°	193	149
145°	238	149
155°	282	131
165°	351	97
175°	376	36
180°	379	



TEST NUMBER: P219438

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U

CANDELA DISTRIBUTION (FULL):

0°	
0°	2708.8
2.5°	2704.5
5°	2691.1
7.5°	2677.7
10°	2672.4
12.5°	2685.8
15°	2738.9
17.5°	2834.0
20°	2961.7
22.5°	3107.5
25°	3256.6
27.5°	3395.8
30°	3513.8
32.5°	3597.0
35°	3642.9
37.5°	3654.4
40°	3627.6
42.5°	3522.5
45°	3257.6
47.5°	2881.4
50°	2431.0
52.5°	1952.0
55°	1489.2
57.5°	1093.4
60°	772.6
62.5°	557.4
65°	415.9
67.5°	325.6
70°	275.4
72.5°	249.6
75°	231.9
77.5°	209.9
80°	176.9
82.5°	142.9
85°	98.5
87.5°	72.7
90°	51.6
92.5°	32.5
95°	32.5
97.5°	33.5
100°	36.3
102.5°	40.2
105°	45.9
107.5°	54.0
110°	67.4



TEST NUMBER: P219438

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-UPL-U

CANDELA DISTRIBUTION (continued):

	0°
112.5°	82.7
115°	96.1
117.5°	107.6
120°	119.0
122.5°	131.9
125°	143.9
127.5°	155.9
130°	168.3
132.5°	180.7
135°	193.1
137.5°	204.6
140°	216.1
142.5°	227.1
145°	238.1
147.5°	248.6
150°	260.1
152.5°	271.1
155°	282.5
157.5°	295.5
160°	312.7
162.5°	334.7
165°	350.9
167.5°	358.6
170°	364.3
172.5°	371.0
175°	376.2
177.5°	378.6
180°	379.1

(END OF REPORT)