

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: P219417

Luminaire Tested: **SSLED-LD5-12-W-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: P219417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)  
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-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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**

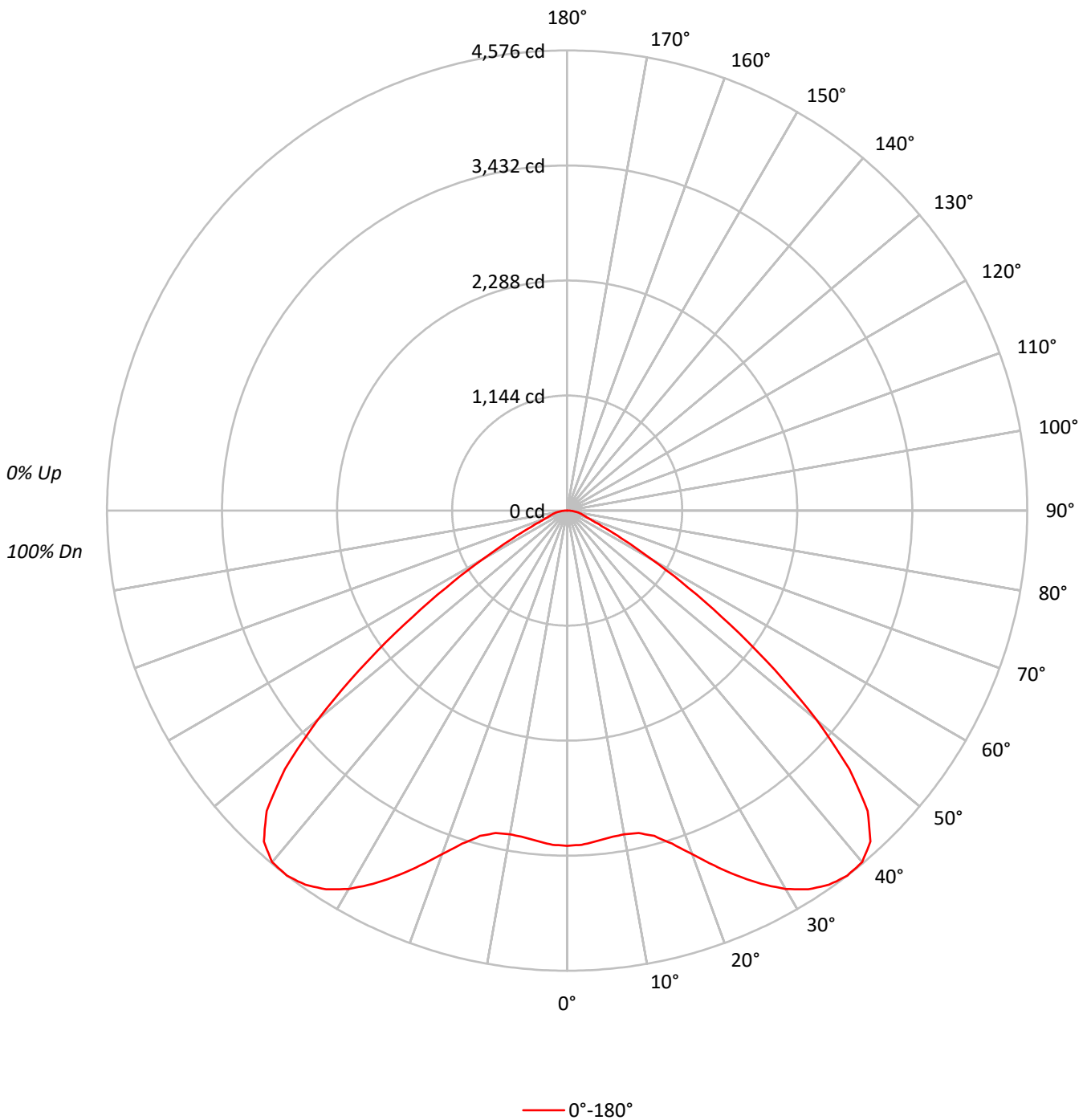
Lumens per Lamp: N/A  
Luminaire Lumens: 11650.9 lumens  
Efficiency: N/A  
Efficacy: 136.6 lumens/watt  
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

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: P219417  
CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P219417

CATALOG NUMBER: SSLED-LD5-12-W-UNV-L835-CD1-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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	22978
5°	22847
10°	22874
15°	23904
20°	26672
25°	30476
30°	34584
35°	38226
40°	41069
45°	41187
50°	34711
55°	23741
60°	13400
65°	6955
70°	4557
75°	4214
80°	4367
85°	4350



TEST NUMBER: P219417

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.0	2.7
10°-20°	966.1	8.3
20°-30°	1861.4	16.0
30°-40°	2835.4	24.3
40°-50°	3160.5	27.1
50°-60°	1799.0	15.4
60°-70°	483.6	4.2
70°-80°	171.0	1.5
80°-90°	59.9	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°	3141.5	27.0
0°-40°	5977.0	51.3
0°-60°	10936.5	93.9
0°-90°	11650.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11650.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3333	
5°	3302	314
15°	3349	966
25°	4007	1861
35°	4542	2835
45°	4225	3160
55°	1975	1799
65°	426	484
75°	158	171
85°	55	60
90°	0	



TEST NUMBER: P219417

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

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3333.2
2.5°	3326.0
5°	3301.6
7.5°	3277.3
10°	3267.7
12.5°	3283.5
15°	3349.4
17.5°	3472.8
20°	3635.8
22.5°	3819.4
25°	4006.8
27.5°	4185.6
30°	4344.8
32.5°	4464.8
35°	4542.3
37.5°	4575.7
40°	4563.8
42.5°	4464.3
45°	4224.8
47.5°	3806.5
50°	3236.6
52.5°	2603.2
55°	1975.4
57.5°	1426.1
60°	971.9
62.5°	644.5
65°	426.4
67.5°	297.4
70°	226.1
72.5°	185.5
75°	158.2
77.5°	136.3
80°	110.0
82.5°	81.3
85°	55.0
87.5°	28.7
90°	0.0

(END OF REPORT)