

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: P219387

Luminaire Tested: **SSLED-LD5-30-M-UNV-L835-CD2-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: P219387  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27259)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-30-M-UNV-L835-CD2-UPL-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 25335.8 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.18  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

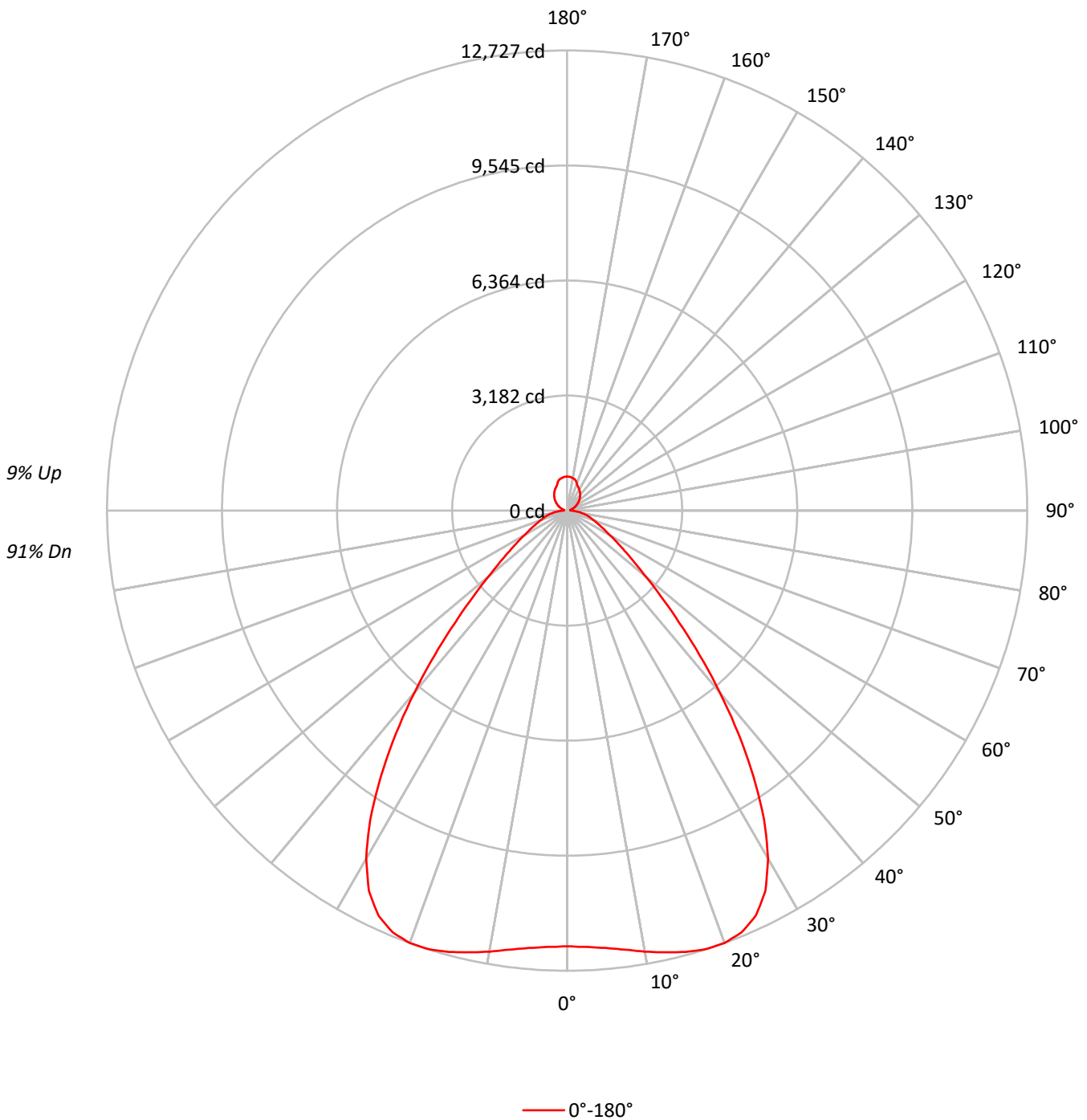
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94	94	94	91
1	109	105	102	99	105	102	99	96	96	94	92		91	89	87		86	85	83	81
2	101	95	89	85	98	92	87	83	87	83	80		83	80	77		79	76	74	72
3	94	86	79	74	91	83	77	73	79	74	70		76	71	68		72	69	66	64
4	88	78	70	65	85	76	69	64	72	67	62		69	64	61		66	62	59	57
5	82	71	63	58	79	69	62	57	66	60	56		64	58	54		61	57	53	51
6	76	65	57	52	74	64	56	51	61	55	50		59	53	49		56	52	48	46
7	71	60	52	47	69	58	51	46	56	50	46		54	49	45		52	47	44	42
8	67	55	48	43	65	54	47	42	52	46	41		50	45	41		49	44	40	38
9	63	51	44	39	61	50	43	39	48	42	38		47	41	37		45	40	37	35
10	59	47	40	36	57	47	40	35	45	39	35		44	38	34		42	37	34	32

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

	0°
0°	83061
5°	84016
10°	86705
15°	90187
20°	93362
25°	93982
30°	88487
35°	75599
40°	59159
45°	42673
50°	30409
55°	23225
60°	18993
65°	16695
70°	15657
75°	16130
80°	17245
85°	18579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1166.8	4.6
10°-20°	3579.0	14.1
20°-30°	5621.7	22.2
30°-40°	5556.6	21.9
40°-50°	3449.6	13.6
50°-60°	1781.6	7.0
60°-70°	1031.7	4.1
70°-80°	638.7	2.5
80°-90°	281.6	1.1
90°-100°	101.0	0.4
100°-110°	132.2	0.5
110°-120°	235.0	0.9
120°-130°	326.7	1.3
130°-140°	383.0	1.5
140°-150°	385.8	1.5
150°-160°	333.2	1.3
160°-170°	243.3	1.0
170°-180°	88.2	0.3
0°-30°	10367.5	40.9
0°-40°	15924.1	62.9
0°-60°	21155.3	83.5
0°-90°	23107.3	91.2
90°-120°	468.2	1.8
90°-150°	1563.7	6.2
90°-180°	2228.0	8.8
0°-180°	25335.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12049	
5°	12141	###
15°	12637	3579
25°	12356	5622
35°	8983	5557
45°	4377	3450
55°	1932	1782
65°	1024	1032
75°	606	639
85°	235	241
90°	125	69
95°	86	73
105°	119	132
115°	238	235
125°	365	327
135°	497	383
145°	617	386
155°	720	333
165°	877	243
175°	934	88
180°	940	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12049.1
2.5°	12079.8
5°	12141.2
7.5°	12246.2
10°	12386.7
12.5°	12513.0
15°	12637.0
17.5°	12720.8
20°	12726.7
22.5°	12621.6
25°	12356.0
27.5°	11866.1
30°	11116.5
32.5°	10134.4
35°	8983.4
37.5°	7777.0
40°	6574.1
42.5°	5421.9
45°	4377.2
47.5°	3519.0
50°	2835.5
52.5°	2329.1
55°	1932.4
57.5°	1630.2
60°	1377.6
62.5°	1180.5
65°	1023.5
67.5°	891.3
70°	776.8
72.5°	687.0
75°	605.6
77.5°	521.8
80°	434.4
82.5°	344.7
85°	234.9
87.5°	174.7
90°	125.1
92.5°	81.5
95°	86.2
97.5°	90.9
100°	98.0
102.5°	107.4
105°	119.2
107.5°	139.3
110°	172.3



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	206.6
115°	238.5
117.5°	269.1
120°	299.8
122.5°	332.9
125°	364.8
127.5°	397.8
130°	432.1
132.5°	465.1
135°	497.0
137.5°	527.7
140°	558.4
142.5°	589.1
145°	617.4
147.5°	644.5
150°	670.5
152.5°	694.1
155°	720.1
157.5°	749.6
160°	787.4
162.5°	838.1
165°	877.1
167.5°	894.8
170°	907.8
172.5°	921.9
175°	933.8
177.5°	938.5
180°	939.7

(END OF REPORT)