

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: P219348

Luminaire Tested: **SSLED-LD5-36-N-UNV-L835-CD2-SA23-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: P219348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-36-N-UNV-L835-CD2-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD 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: 31553.9 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

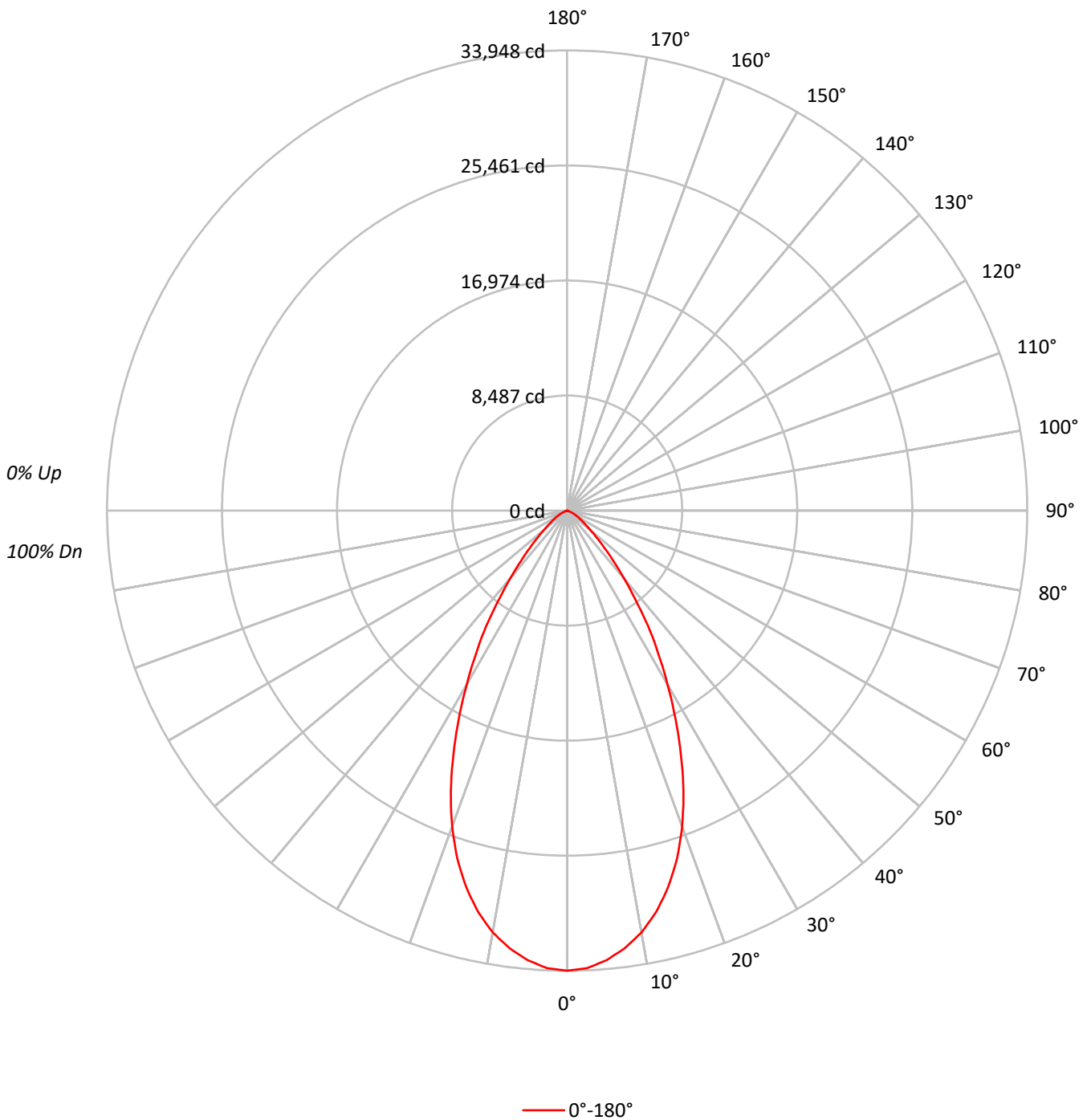
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

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

	0°
0°	234025
5°	230362
10°	221186
15°	205340
20°	181943
25°	150973
30°	117902
35°	87673
40°	58414
45°	37812
50°	24401
55°	16604
60°	11526
65°	7370
70°	2026
75°	1321
80°	1314
85°	1851



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3124.3	9.9
10°-20°	7997.2	25.3
20°-30°	9048.1	28.7
30°-40°	6463.2	20.5
40°-50°	3106.1	9.8
50°-60°	1285.5	4.1
60°-70°	447.6	1.4
70°-80°	57.9	0.2
80°-90°	24.0	0.1
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°	20169.7	63.9
0°-40°	26632.8	84.4
0°-60°	31024.4	98.3
0°-90°	31553.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31553.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	33948	
5°	33290	###
15°	28772	7997
25°	19849	9048
35°	10418	6463
45°	3879	3106
55°	1382	1285
65°	452	448
75°	50	58
85°	23	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	33948.4
2.5°	33781.7
5°	33290.0
7.5°	32564.1
10°	31598.6
12.5°	30327.4
15°	28772.4
17.5°	26932.3
20°	24801.5
22.5°	22429.8
25°	19848.7
27.5°	17289.6
30°	14811.8
32.5°	12519.9
35°	10418.1
37.5°	8221.3
40°	6491.3
42.5°	5045.1
45°	3878.6
47.5°	2965.4
50°	2275.3
52.5°	1767.1
55°	1381.5
57.5°	1081.2
60°	836.0
62.5°	632.2
65°	451.8
67.5°	270.0
70°	100.5
72.5°	63.4
75°	49.6
77.5°	39.9
80°	33.1
82.5°	28.9
85°	23.4
87.5°	19.3
90°	0.0

(END OF REPORT)