

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: P219411

Luminaire Tested: **SSLED-LD5-36-M-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: P219411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-36-M-UNV-L835-CD2-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 32040.1 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

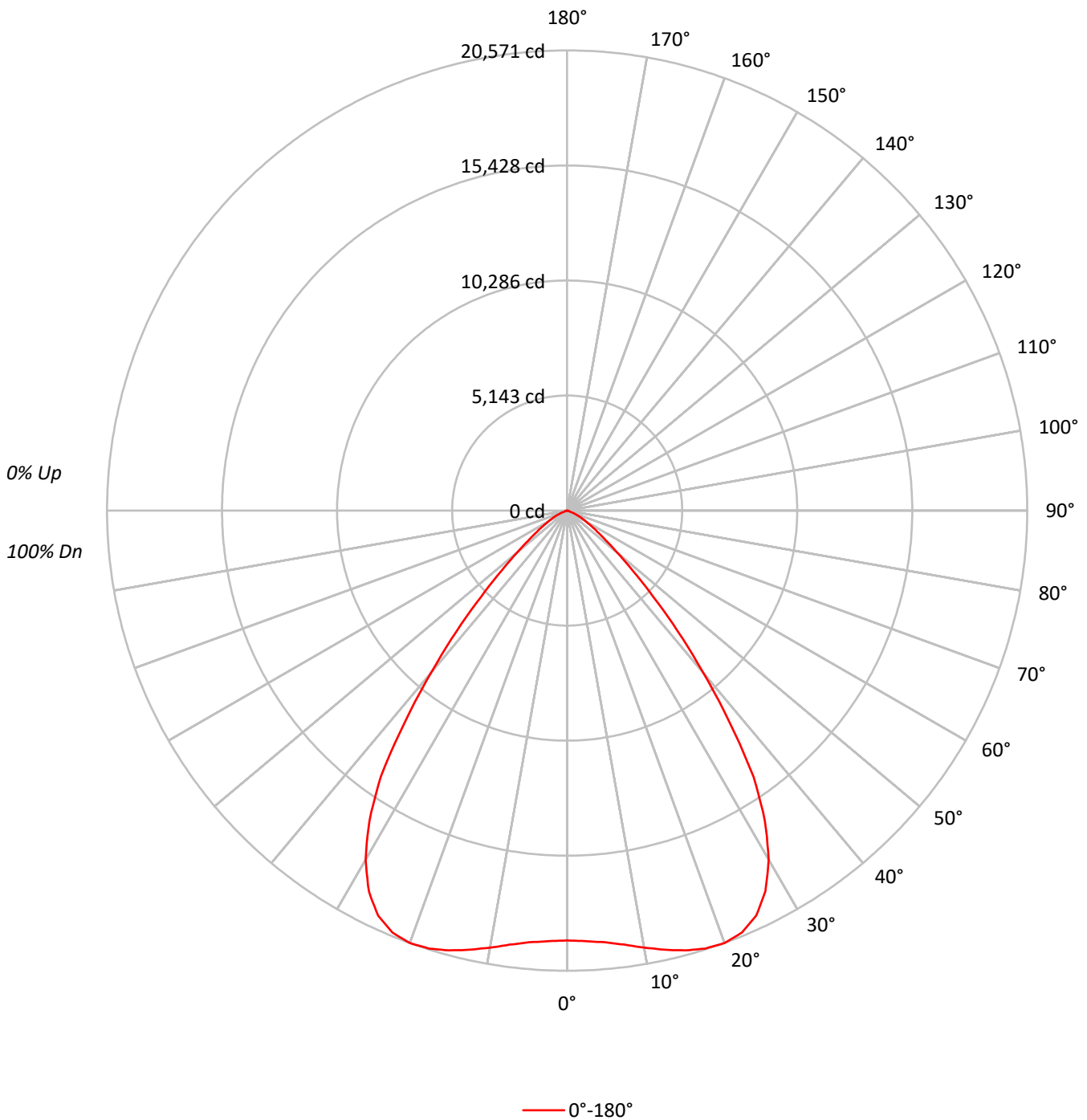
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	132461
5°	134044
10°	138853
15°	145263
20°	150905
25°	152022
30°	143426
35°	122227
40°	84915
45°	53025
50°	31137
55°	19698
60°	13331
65°	8471
70°	2360
75°	1614
80°	1640
85°	2175



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1864.1	5.8
10°-20°	5765.0	18.0
20°-30°	9095.2	28.4
30°-40°	8786.2	27.4
40°-50°	4362.2	13.6
50°-60°	1553.4	4.8
60°-70°	517.1	1.6
70°-80°	69.9	0.2
80°-90°	27.0	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°	16724.3	52.2
0°-40°	25510.5	79.6
0°-60°	31426.1	98.1
0°-90°	32040.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32040.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19215	
5°	19371	###
15°	20354	5765
25°	19987	9095
35°	14524	8786
45°	5439	4362
55°	1639	1553
65°	519	517
75°	61	70
85°	28	27
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19215.3
2.5°	19264.9
5°	19370.9
7.5°	19569.3
10°	19836.5
12.5°	20105.0
15°	20354.3
17.5°	20527.9
20°	20570.6
22.5°	20416.3
25°	19986.6
27.5°	19194.6
30°	18018.4
32.5°	16457.8
35°	14524.1
37.5°	11919.5
40°	9436.2
42.5°	7320.6
45°	5439.1
47.5°	3962.6
50°	2903.4
52.5°	2163.8
55°	1639.0
57.5°	1260.3
60°	966.9
62.5°	731.4
65°	519.3
67.5°	312.7
70°	117.1
72.5°	75.8
75°	60.6
77.5°	49.6
80°	41.3
82.5°	35.8
85°	27.5
87.5°	15.2
90°	0.0

(END OF REPORT)