

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: P219349

Luminaire Tested: **SSLED-LD5-36-N-UNV-L840-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: P219349  
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-L840-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) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33747.4 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

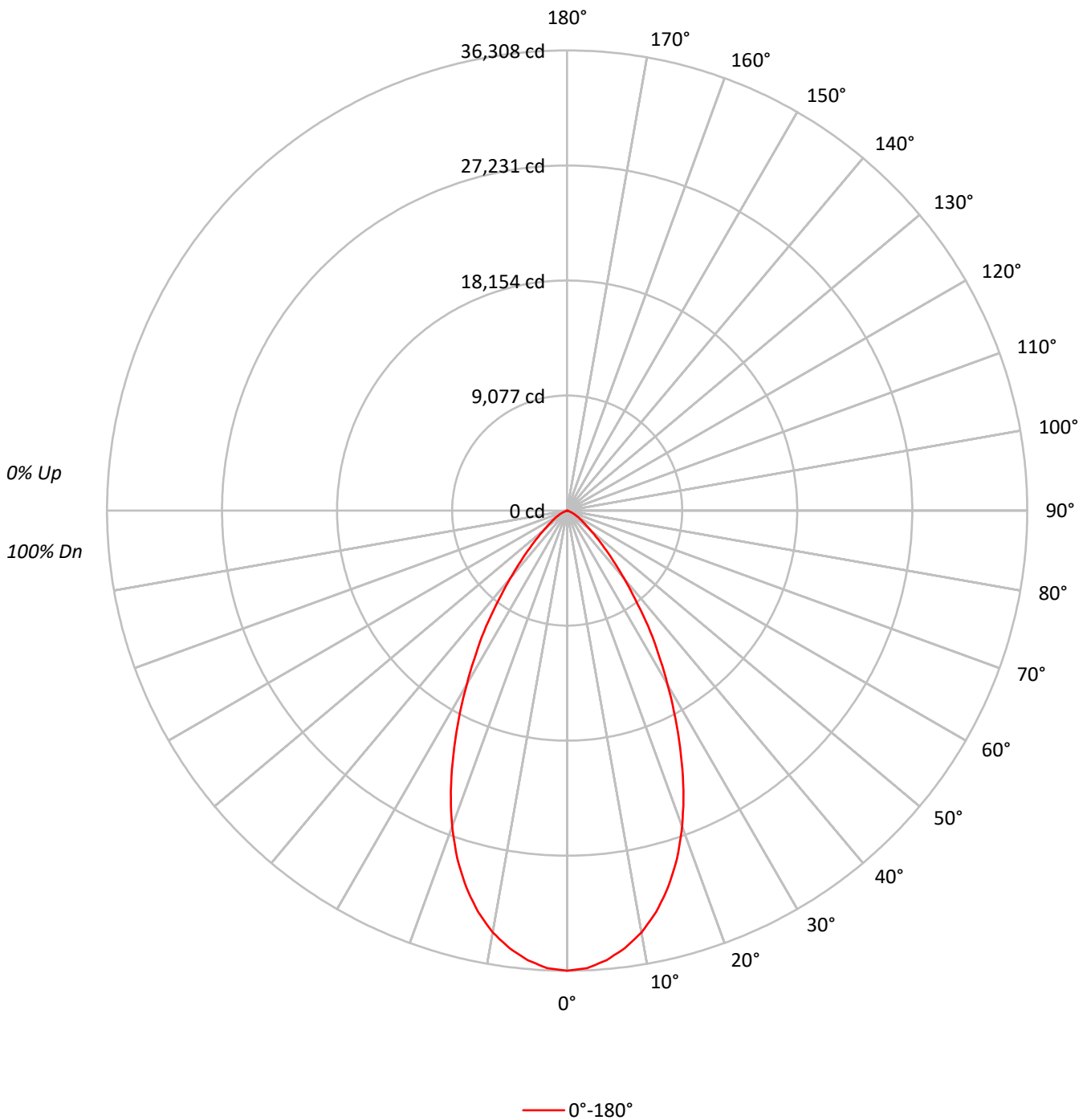
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	250293
5°	246377
10°	236563
15°	219615
20°	194591
25°	161468
30°	126098
35°	93768
40°	62476
45°	40441
50°	26098
55°	17757
60°	12328
65°	7882
70°	2167
75°	1412
80°	1405
85°	1977



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3341.5	9.9
10°-20°	8553.2	25.3
20°-30°	9677.1	28.7
30°-40°	6912.5	20.5
40°-50°	3322.1	9.8
50°-60°	1374.9	4.1
60°-70°	478.7	1.4
70°-80°	61.9	0.2
80°-90°	25.7	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°	21571.8	63.9
0°-40°	28484.3	84.4
0°-60°	33181.2	98.3
0°-90°	33747.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33747.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	36308	
5°	35604	###
15°	30773	8553
25°	21228	9677
35°	11142	6912
45°	4148	3322
55°	1478	1375
65°	483	479
75°	53	62
85°	25	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	36308.4
2.5°	36130.2
5°	35604.3
7.5°	34828.0
10°	33795.3
12.5°	32435.7
15°	30772.6
17.5°	28804.6
20°	26525.7
22.5°	23989.1
25°	21228.5
27.5°	18491.5
30°	15841.5
32.5°	13390.3
35°	11142.4
37.5°	8792.8
40°	6942.6
42.5°	5395.9
45°	4148.2
47.5°	3171.5
50°	2433.5
52.5°	1890.0
55°	1477.5
57.5°	1156.4
60°	894.2
62.5°	676.1
65°	483.2
67.5°	288.7
70°	107.5
72.5°	67.8
75°	53.0
77.5°	42.7
80°	35.4
82.5°	30.9
85°	25.0
87.5°	20.6
90°	0.0

(END OF REPORT)