

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: P219369

Luminaire Tested: **SSLED-LD5-36-M-UNV-L835-CD2-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: P219369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)  
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-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 33925.6 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

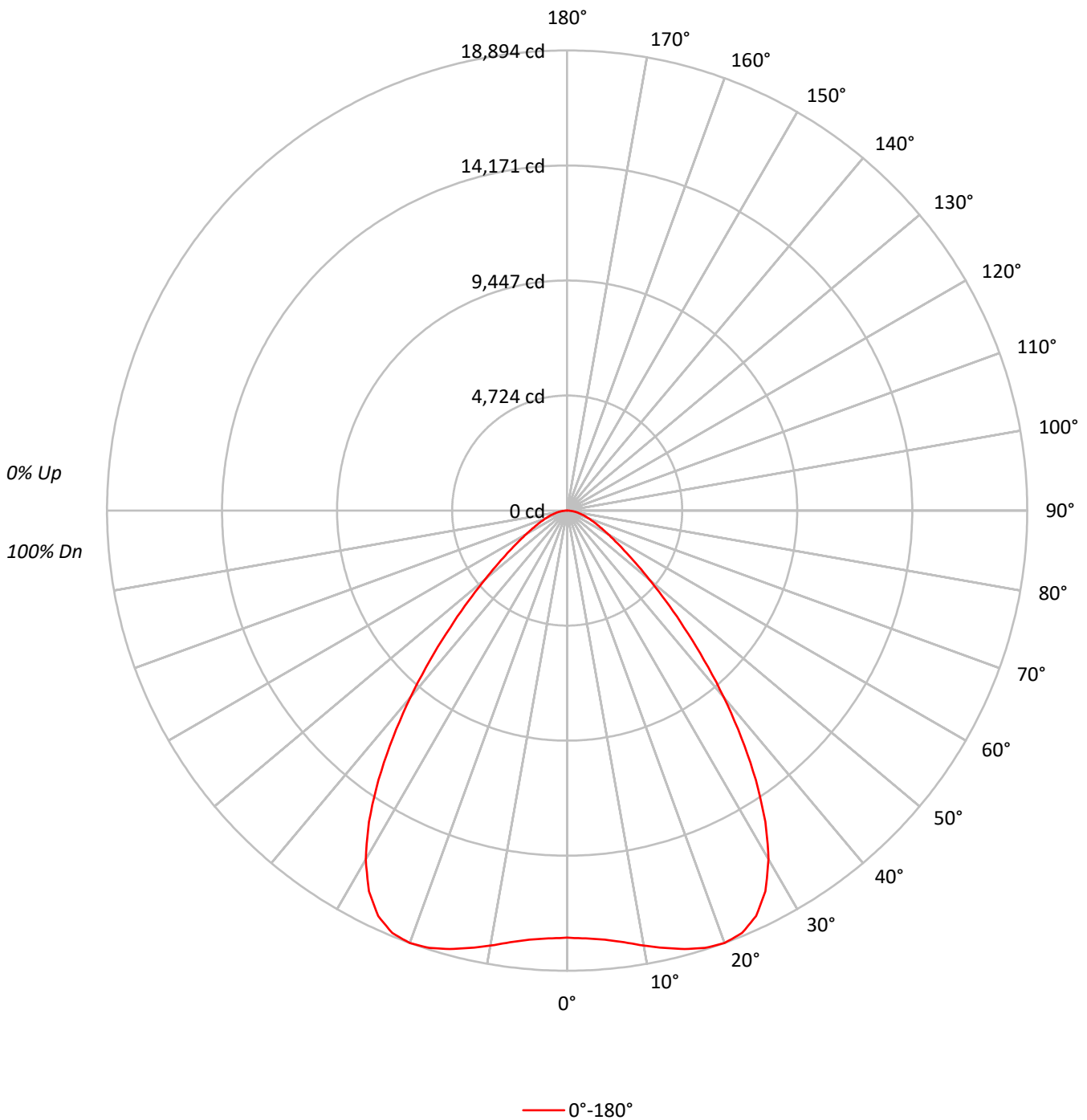
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

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

	0°
0°	120858
5°	122388
10°	126946
15°	133015
20°	138608
25°	139669
30°	131617
35°	113614
40°	89996
45°	66157
50°	47194
55°	34514
60°	26737
65°	21972
70°	18960
75°	17059
80°	15856
85°	14925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1702.6	5.0
10°-20°	5282.2	15.6
20°-30°	8354.0	24.6
30°-40°	8346.0	24.6
40°-50°	5321.2	15.7
50°-60°	2656.1	7.8
60°-70°	1365.2	4.0
70°-80°	687.7	2.0
80°-90°	210.6	0.6
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°	15338.9	45.2
0°-40°	23684.8	69.8
0°-60°	31662.1	93.3
0°-90°	33925.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33925.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17532	
5°	17686	###
15°	18638	5282
25°	18363	8354
35°	13501	8346
45°	6786	5321
55°	2872	2656
65°	1347	1365
75°	640	688
85°	189	211
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17532.1
2.5°	17581.7
5°	17686.4
7.5°	17873.7
10°	18135.4
12.5°	18394.3
15°	18638.1
17.5°	18826.8
20°	18894.3
22.5°	18767.6
25°	18362.6
27.5°	17621.6
30°	16534.9
32.5°	15145.2
35°	13500.6
37.5°	11745.9
40°	10000.8
42.5°	8323.2
45°	6786.1
47.5°	5481.8
50°	4400.6
52.5°	3542.5
55°	2871.7
57.5°	2351.1
60°	1939.3
62.5°	1611.5
65°	1347.0
67.5°	1128.0
70°	940.7
72.5°	779.6
75°	640.5
77.5°	517.9
80°	399.4
82.5°	292.0
85°	188.7
87.5°	93.7
90°	0.0

(END OF REPORT)