

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: P219432

Luminaire Tested: **SSLED-LD5-36-W-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: P219432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-36-W-UNV-L835-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 33566.2 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

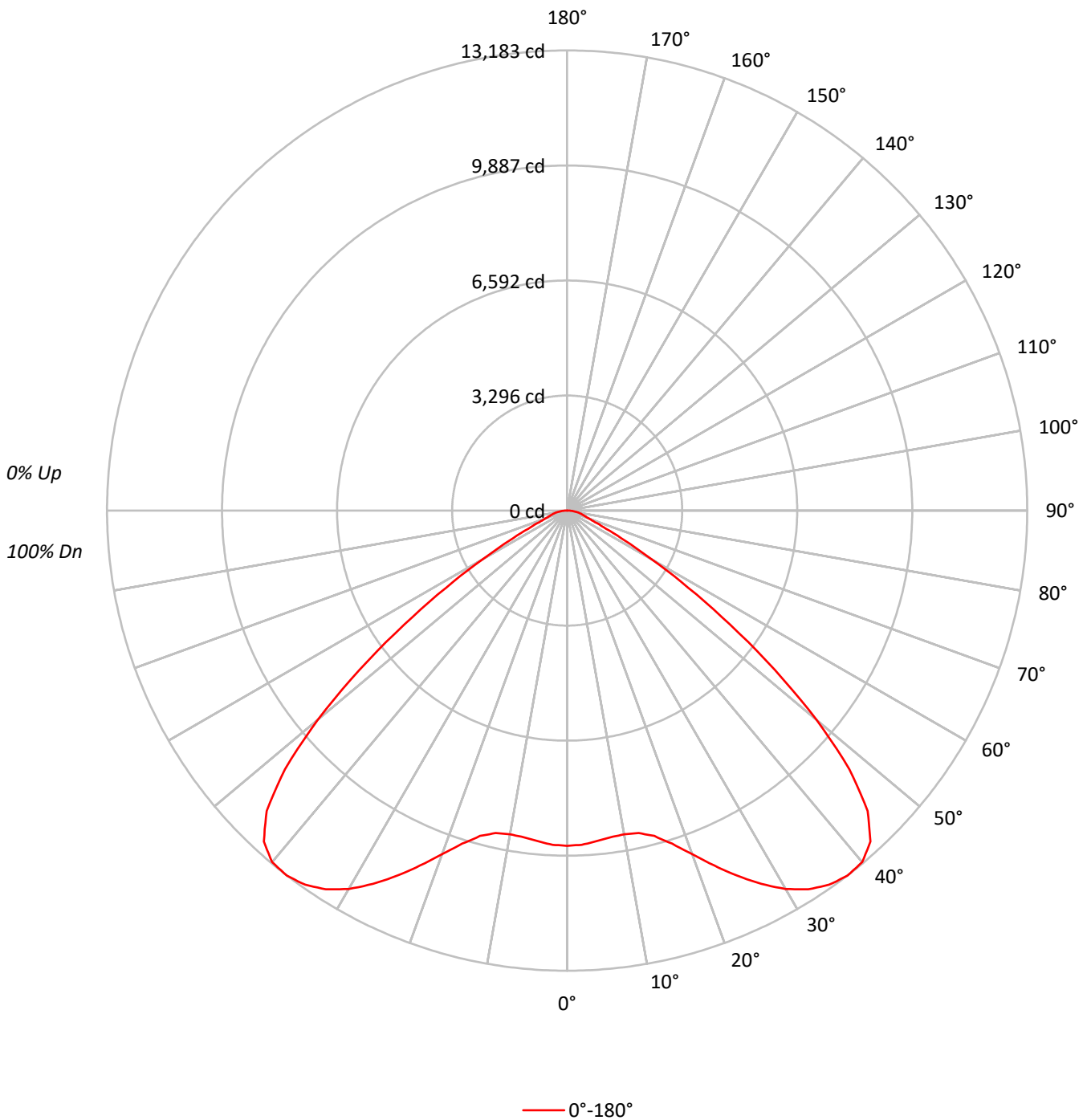
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66198
5°	65822
10°	65898
15°	68867
20°	76843
25°	87803
30°	99638
35°	110126
40°	118319
45°	118661
50°	100002
55°	68400
60°	38607
65°	20040
70°	13131
75°	12143
80°	12576
85°	12529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.5	2.7
10°-20°	2783.4	8.3
20°-30°	5362.8	16.0
30°-40°	8168.8	24.3
40°-50°	9105.4	27.1
50°-60°	5183.0	15.4
60°-70°	1393.2	4.2
70°-80°	492.5	1.5
80°-90°	172.4	0.5
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°	9050.8	27.0
0°-40°	17219.6	51.3
0°-60°	31508.0	93.9
0°-90°	33566.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33566.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9603	
5°	9512	905
15°	9650	2783
25°	11544	5363
35°	13086	8169
45°	12172	9105
55°	5691	5183
65°	1229	1393
75°	456	493
85°	158	172
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9602.9
2.5°	9582.2
5°	9512.0
7.5°	9441.8
10°	9414.2
12.5°	9459.7
15°	9649.7
17.5°	10005.1
20°	10474.8
22.5°	11003.7
25°	11543.6
27.5°	12058.7
30°	12517.4
32.5°	12863.1
35°	13086.2
37.5°	13182.6
40°	13148.2
42.5°	12861.7
45°	12171.7
47.5°	10966.5
50°	9324.7
52.5°	7499.7
55°	5691.2
57.5°	4108.6
60°	2800.2
62.5°	1856.7
65°	1228.6
67.5°	856.7
70°	651.5
72.5°	534.4
75°	455.9
77.5°	392.5
80°	316.8
82.5°	234.2
85°	158.4
87.5°	82.6
90°	0.0

(END OF REPORT)