

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: P219371

Luminaire Tested: **SSLED-LD5-36-M-UNV-L850-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: P219371
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-L850-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) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37431.6 lumens
Efficiency: N/A
Efficacy: 112.1 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

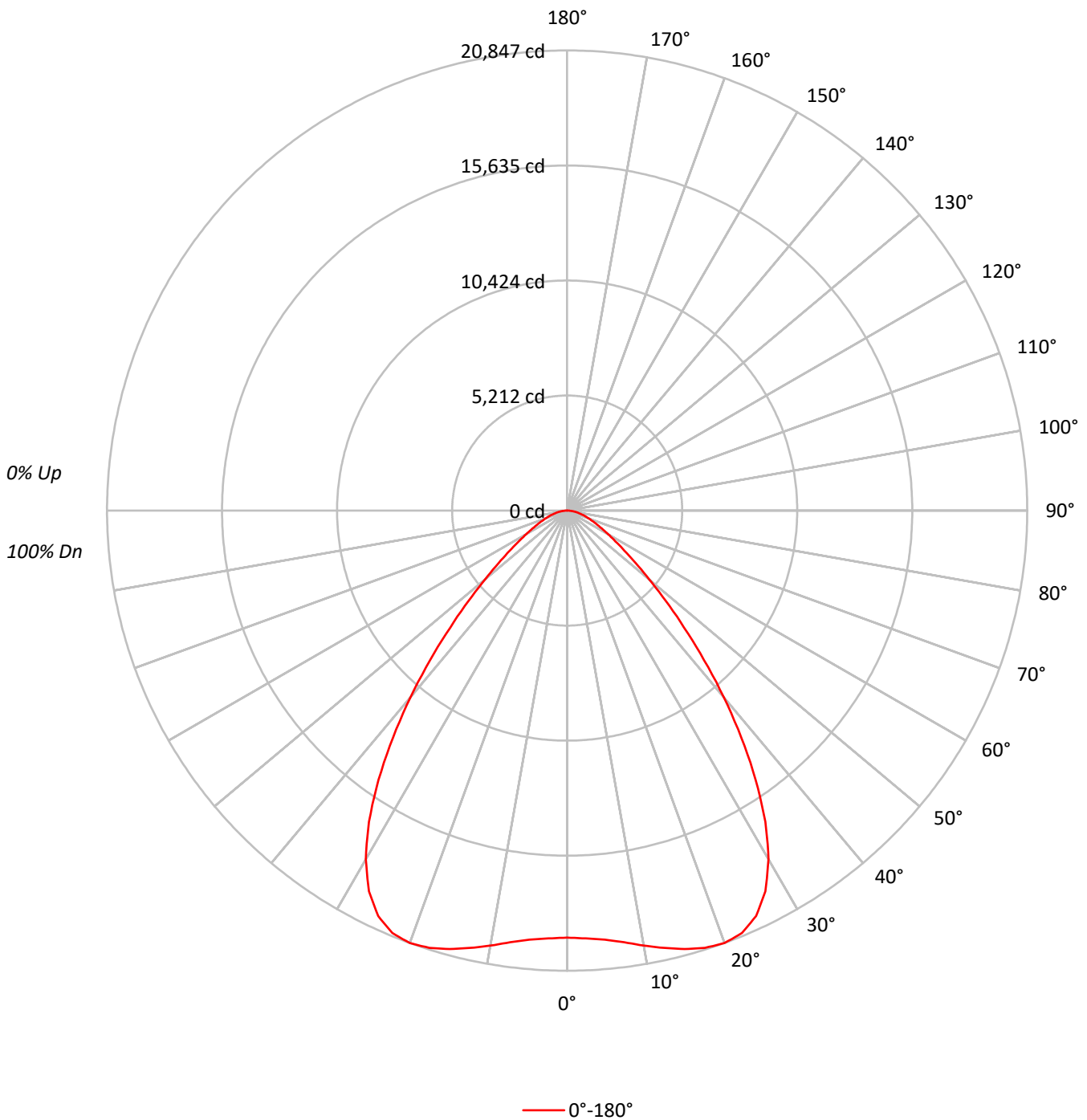
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	133348
5°	135035
10°	140065
15°	146761
20°	152932
25°	154103
30°	145219
35°	125355
40°	99297
45°	72994
50°	52071
55°	38081
60°	29500
65°	24242
70°	20919
75°	18820
80°	17495
85°	16467



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1878.6	5.0
10°-20°	5828.1	15.6
20°-30°	9217.4	24.6
30°-40°	9208.5	24.6
40°-50°	5871.1	15.7
50°-60°	2930.6	7.8
60°-70°	1506.3	4.0
70°-80°	758.7	2.0
80°-90°	232.4	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°	16924.0	45.2
0°-40°	26132.5	69.8
0°-60°	34934.2	93.3
0°-90°	37431.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37431.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19344	
5°	19514	###
15°	20564	5828
25°	20260	9217
35°	14896	9208
45°	7487	5871
55°	3168	2931
65°	1486	1506
75°	707	759
85°	208	232
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19343.9
2.5°	19398.6
5°	19514.1
7.5°	19720.8
10°	20009.6
12.5°	20295.3
15°	20564.2
17.5°	20772.4
20°	20846.9
22.5°	20707.1
25°	20260.3
27.5°	19442.7
30°	18243.7
32.5°	16710.3
35°	14895.8
37.5°	12959.8
40°	11034.4
42.5°	9183.4
45°	7487.4
47.5°	6048.3
50°	4855.4
52.5°	3908.6
55°	3168.5
57.5°	2594.1
60°	2139.7
62.5°	1778.0
65°	1486.2
67.5°	1244.6
70°	1037.9
72.5°	860.1
75°	706.6
77.5°	571.4
80°	440.7
82.5°	322.2
85°	208.2
87.5°	103.3
90°	0.0

(END OF REPORT)