

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: P219363

Luminaire Tested: **SSLED-LD5-24-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: P219363
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-LD5-24-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: 22978.6 lumens
Efficiency: N/A
Efficacy: 120.6 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

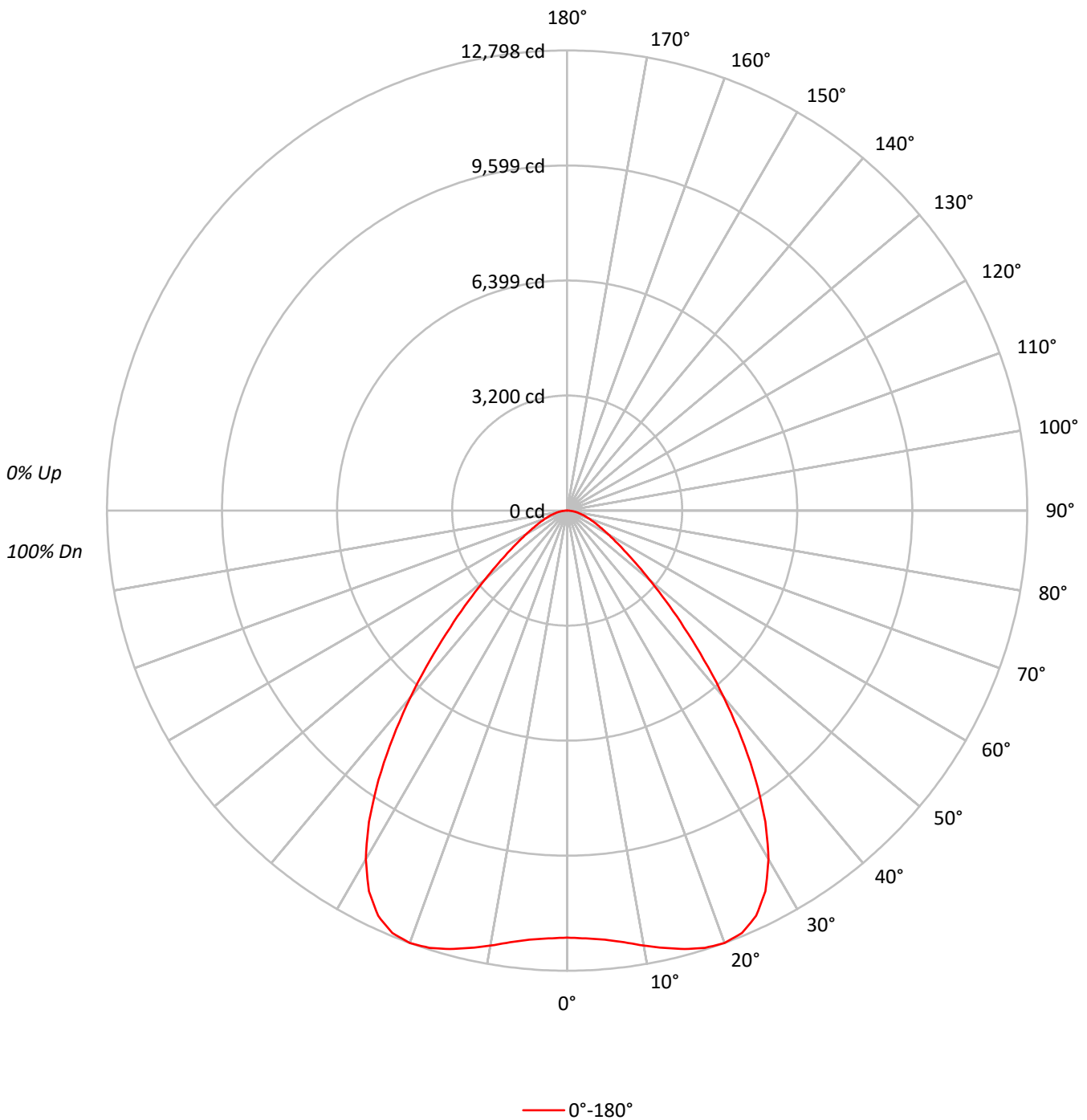
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	81860
5°	82896
10°	85983
15°	90094
20°	93882
25°	94601
30°	89148
35°	76953
40°	60957
45°	44810
50°	31965
55°	23377
60°	18109
65°	14883
70°	12843
75°	11554
80°	10738
85°	10108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.2	5.0
10°-20°	3577.8	15.6
20°-30°	5658.4	24.6
30°-40°	5652.9	24.6
40°-50°	3604.2	15.7
50°-60°	1799.0	7.8
60°-70°	924.7	4.0
70°-80°	465.8	2.0
80°-90°	142.6	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°	10389.3	45.2
0°-40°	16042.3	69.8
0°-60°	21445.5	93.3
0°-90°	22978.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22978.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11875	
5°	11979	###
15°	12624	3578
25°	12437	5658
35°	9144	5653
45°	4596	3604
55°	1945	1799
65°	912	925
75°	434	466
85°	128	143
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11874.9
2.5°	11908.5
5°	11979.4
7.5°	12106.3
10°	12283.5
12.5°	12458.9
15°	12624.0
17.5°	12751.8
20°	12797.5
22.5°	12711.7
25°	12437.4
27.5°	11935.5
30°	11199.5
32.5°	10258.2
35°	9144.3
37.5°	7955.8
40°	6773.8
42.5°	5637.5
45°	4596.4
47.5°	3712.9
50°	2980.6
52.5°	2399.4
55°	1945.1
57.5°	1592.5
60°	1313.5
62.5°	1091.5
65°	912.4
67.5°	764.0
70°	637.2
72.5°	528.0
75°	433.8
77.5°	350.8
80°	270.5
82.5°	197.8
85°	127.8
87.5°	63.4
90°	0.0

(END OF REPORT)