

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: P219364

Luminaire Tested: **SSLED-LD5-24-M-UNV-L840-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: P219364
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-L840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24576.1 lumens
Efficiency: N/A
Efficacy: 128.9 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

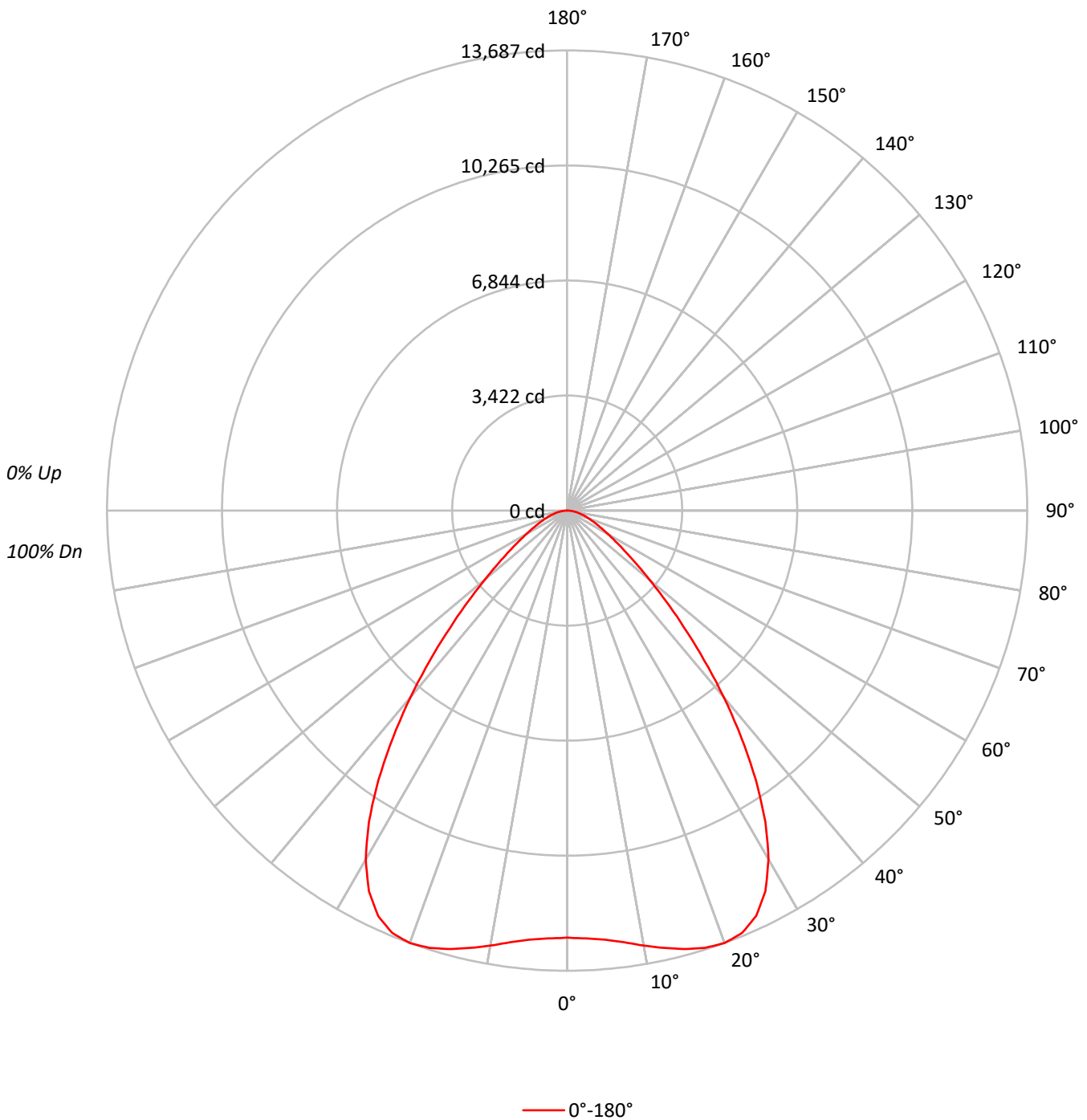
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	87551
5°	88659
10°	91960
15°	96357
20°	100409
25°	101178
30°	95345
35°	82303
40°	65194
45°	47925
50°	34187
55°	25002
60°	19368
65°	15917
70°	13736
75°	12358
80°	11485
85°	10812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1233.4	5.0
10°-20°	3826.5	15.6
20°-30°	6051.7	24.6
30°-40°	6045.9	24.6
40°-50°	3854.7	15.7
50°-60°	1924.1	7.8
60°-70°	989.0	4.0
70°-80°	498.2	2.0
80°-90°	152.5	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°	11111.6	45.2
0°-40°	17157.5	69.8
0°-60°	22936.4	93.3
0°-90°	24576.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24576.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12700	
5°	12812	###
15°	13502	3826
25°	13302	6052
35°	9780	6046
45°	4916	3855
55°	2080	1924
65°	976	989
75°	464	498
85°	137	153
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12700.4
2.5°	12736.3
5°	12812.2
7.5°	12947.9
10°	13137.4
12.5°	13325.0
15°	13501.6
17.5°	13638.3
20°	13687.2
22.5°	13595.4
25°	13302.1
27.5°	12765.3
30°	11978.0
32.5°	10971.3
35°	9780.0
37.5°	8508.9
40°	7244.7
42.5°	6029.4
45°	4915.9
47.5°	3971.1
50°	3187.8
52.5°	2566.2
55°	2080.3
57.5°	1703.2
60°	1404.8
62.5°	1167.4
65°	975.8
67.5°	817.2
70°	681.5
72.5°	564.7
75°	464.0
77.5°	375.2
80°	289.3
82.5°	211.5
85°	136.7
87.5°	67.8
90°	0.0

(END OF REPORT)