

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: P219406

Luminaire Tested: **SSLED-LD5-24-M-UNV-L840-CD2-SA23-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: P219406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
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-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23210.1 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

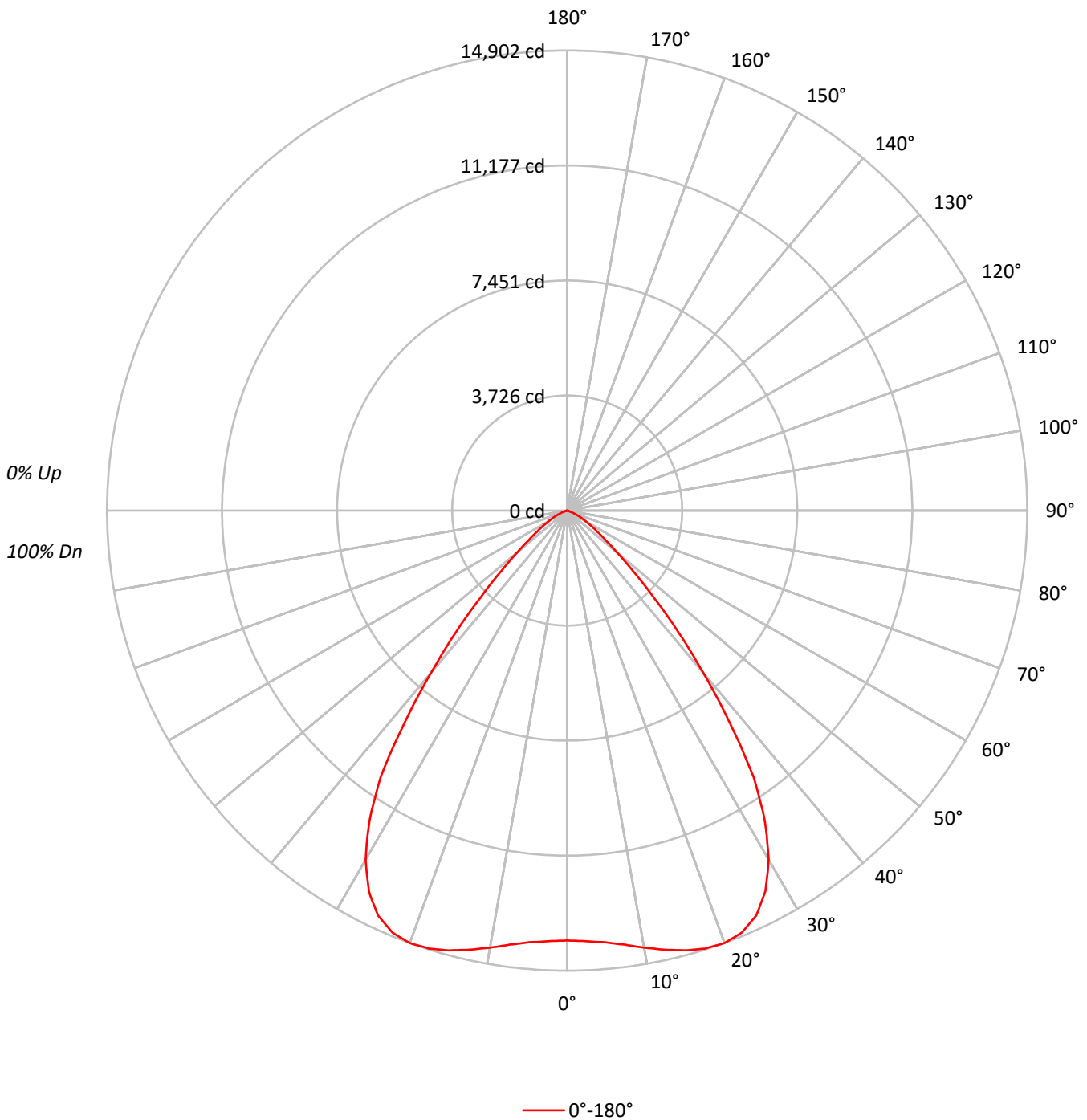
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219406

CATALOG NUMBER: SSLED-LD5-24-M-UNV-L840-CD2-SA23-U

Luminous Intensity Polar Plot





TEST NUMBER: P219406

CATALOG NUMBER: SSLED-LD5-24-M-UNV-L840-CD2-SA23-U

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95956
5°	97103
10°	100586
15°	105230
20°	109317
25°	110126
30°	103899
35°	88542
40°	61513
45°	38412
50°	22557
55°	14270
60°	9656
65°	6136
70°	1709
75°	1169
80°	1187
85°	1582



TEST NUMBER: P219406

CATALOG NUMBER: SSLED-LD5-24-M-UNV-L840-CD2-SA23-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1350.4	5.8
10°-20°	4176.2	18.0
20°-30°	6588.6	28.4
30°-40°	6364.8	27.4
40°-50°	3160.0	13.6
50°-60°	1125.3	4.8
60°-70°	374.6	1.6
70°-80°	50.6	0.2
80°-90°	19.6	0.1
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°	12115.2	52.2
0°-40°	18480.0	79.6
0°-60°	22765.4	98.1
0°-90°	23210.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23210.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13920	
5°	14032	###
15°	14745	4176
25°	14478	6589
35°	10521	6365
45°	3940	3160
55°	1187	1125
65°	376	375
75°	44	51
85°	20	20
90°	0	



TEST NUMBER: P219406

CATALOG NUMBER: SSLED-LD5-24-M-UNV-L840-CD2-SA23-U

CANDELA DISTRIBUTION (FULL):

	0°
0°	13919.7
2.5°	13955.6
5°	14032.5
7.5°	14176.1
10°	14369.7
12.5°	14564.3
15°	14744.9
17.5°	14870.6
20°	14901.5
22.5°	14789.8
25°	14478.5
27.5°	13904.8
30°	13052.7
32.5°	11922.2
35°	10521.4
37.5°	8634.6
40°	6835.6
42.5°	5303.1
45°	3940.1
47.5°	2870.5
50°	2103.3
52.5°	1567.5
55°	1187.3
57.5°	912.9
60°	700.4
62.5°	529.8
65°	376.2
67.5°	226.5
70°	84.8
72.5°	54.9
75°	43.9
77.5°	35.9
80°	29.9
82.5°	25.9
85°	20.0
87.5°	11.0
90°	0.0

(END OF REPORT)