

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: P219301

Luminaire Tested: **SSLED-LD5-24-N-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: P219301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-24-N-UNV-L840-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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

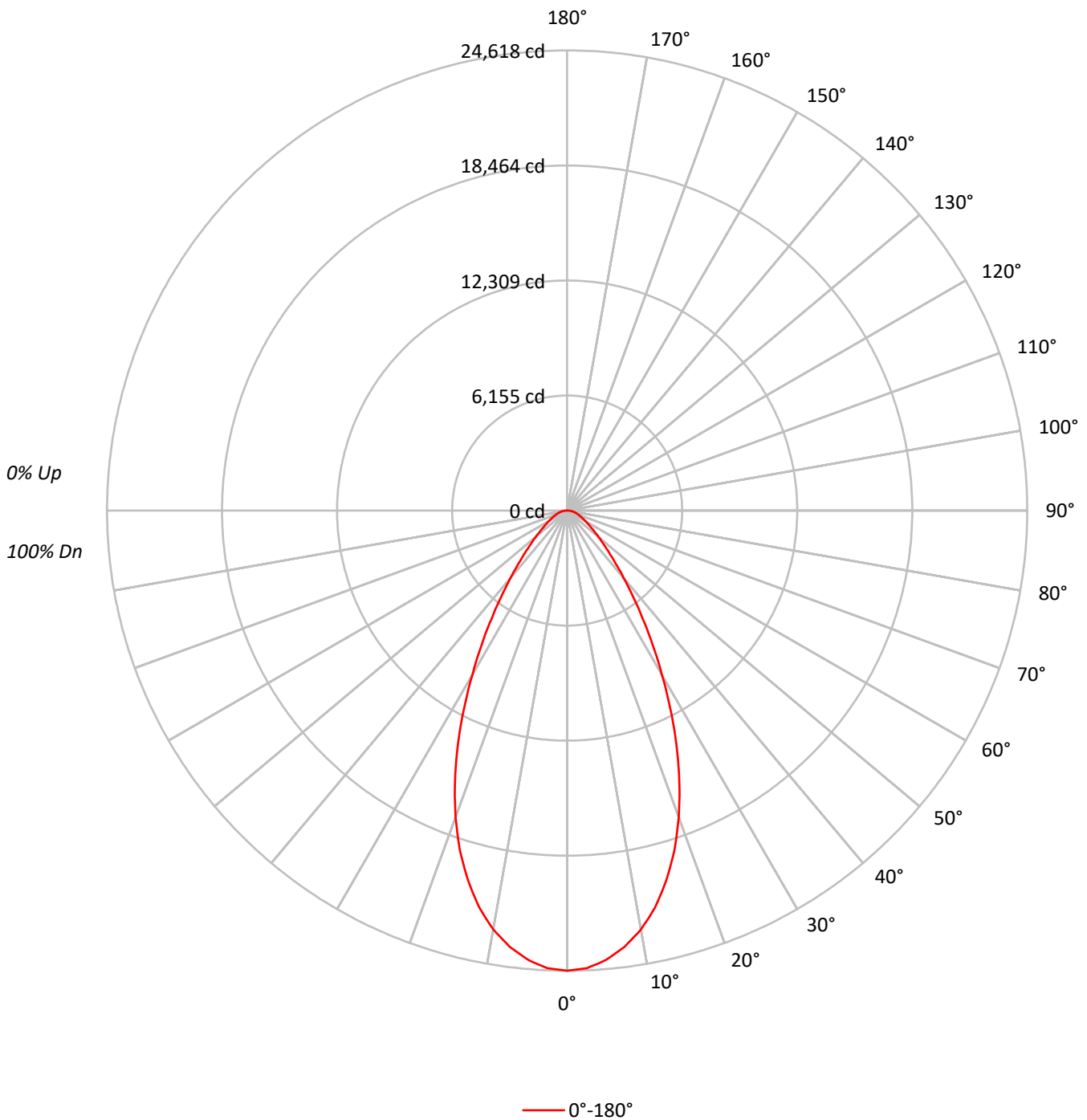
Lumens per Lamp: N/A
Luminaire Lumens: 24154.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

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	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169707
5°	166924
10°	159265
15°	146242
20°	128050
25°	105181
30°	80694
35°	59257
40°	42327
45°	30777
50°	23360
55°	18528
60°	15559
65°	13850
70°	12932
75°	12675
80°	13033
85°	14205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2259.2	9.4
10°-20°	5692.6	23.6
20°-30°	6295.2	26.1
30°-40°	4445.1	18.4
40°-50°	2501.6	10.4
50°-60°	1411.7	5.8
60°-70°	853.2	3.5
70°-80°	506.5	2.1
80°-90°	188.9	0.8
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°	14247.0	59.0
0°-40°	18692.1	77.4
0°-60°	22605.5	93.6
0°-90°	24154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24154.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24618	
5°	24122	###
15°	20492	5693
25°	13828	6295
35°	7041	4445
45°	3157	2502
55°	1542	1412
65°	849	853
75°	476	507
85°	180	189
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24618.3
2.5°	24499.6
5°	24122.4
7.5°	23538.7
10°	22752.5
12.5°	21742.7
15°	20491.5
17.5°	19072.6
20°	17455.2
22.5°	15692.2
25°	13828.3
27.5°	11949.5
30°	10137.5
32.5°	8505.1
35°	7041.4
37.5°	5762.2
40°	4703.6
42.5°	3844.5
45°	3157.0
47.5°	2615.2
50°	2178.2
52.5°	1824.9
55°	1541.6
57.5°	1314.1
60°	1128.5
62.5°	976.8
65°	849.1
67.5°	739.4
70°	641.6
72.5°	555.8
75°	475.9
77.5°	403.1
80°	328.3
82.5°	254.4
85°	179.6
87.5°	95.8
90°	0.0

(END OF REPORT)