

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: P219355

Luminaire Tested: **SSLED-LD5-12-M-UNV-L840-CD1-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: P219355
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-LD5-12-M-UNV-L840-CD1-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: 12594.3 lumens
Efficiency: N/A
Efficacy: 147.6 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

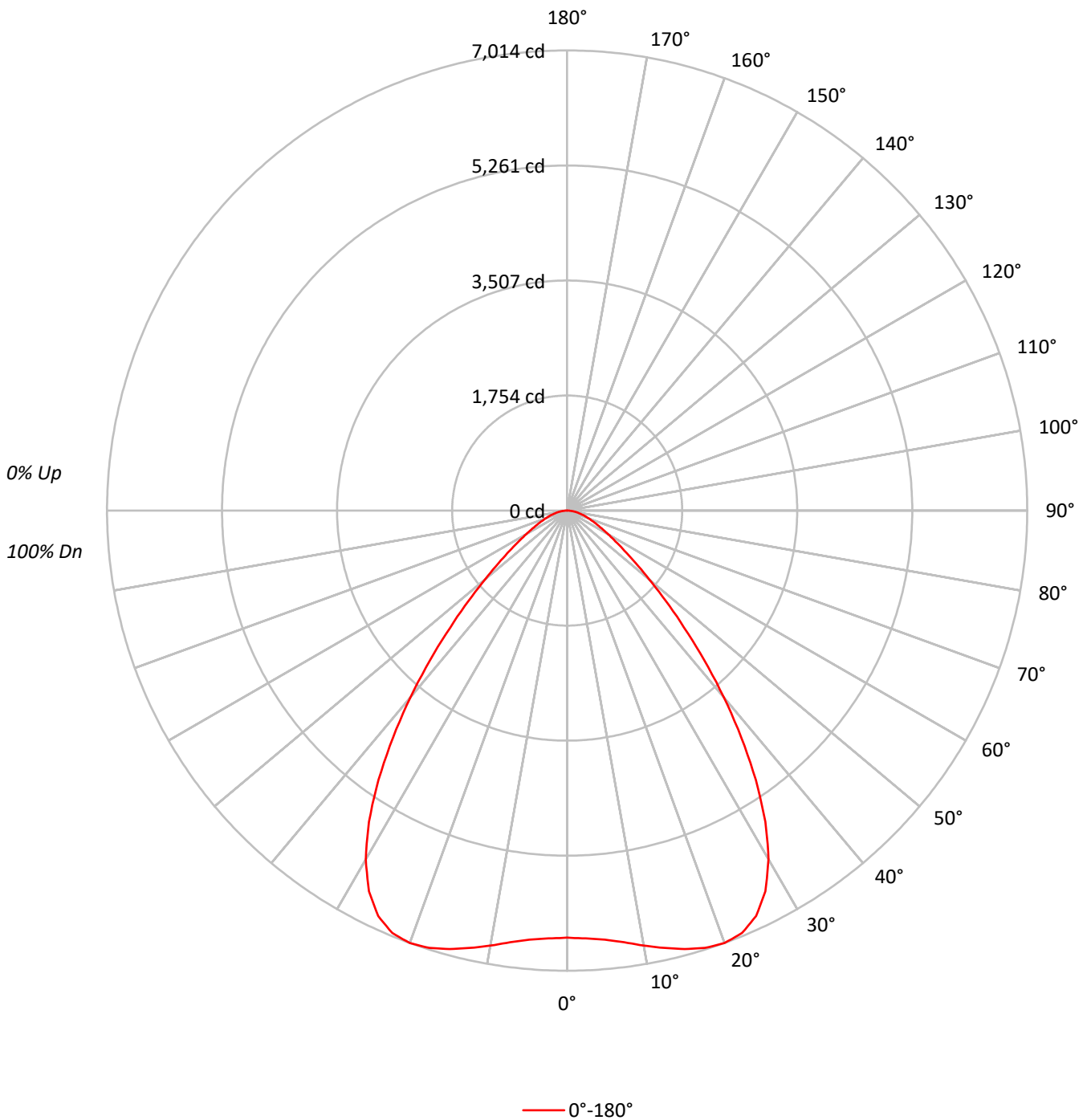
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79					79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71					71			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63					63			
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57					57			
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51					51			
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47					47			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39					39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44867
5°	45434
10°	47126
15°	49380
20°	51456
25°	51850
30°	48861
35°	42177
40°	33409
45°	24560
50°	17519
55°	12813
60°	9925
65°	8157
70°	7038
75°	6334
80°	5887
85°	5537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.1	5.0
10°-20°	1960.9	15.6
20°-30°	3101.3	24.6
30°-40°	3098.3	24.6
40°-50°	1975.4	15.7
50°-60°	986.0	7.8
60°-70°	506.8	4.0
70°-80°	255.3	2.0
80°-90°	78.2	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°	5694.3	45.2
0°-40°	8792.6	69.8
0°-60°	11754.0	93.3
0°-90°	12594.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12594.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6508	
5°	6566	632
15°	6919	1961
25°	6817	3101
35°	5012	3098
45°	2519	1975
55°	1066	986
65°	500	507
75°	238	255
85°	70	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6508.5
2.5°	6526.9
5°	6565.7
7.5°	6635.3
10°	6732.4
12.5°	6828.6
15°	6919.1
17.5°	6989.1
20°	7014.2
22.5°	6967.1
25°	6816.8
27.5°	6541.7
30°	6138.3
32.5°	5622.4
35°	5011.9
37.5°	4360.5
40°	3712.6
42.5°	3089.9
45°	2519.2
47.5°	2035.0
50°	1633.6
52.5°	1315.1
55°	1066.1
57.5°	872.8
60°	719.9
62.5°	598.2
65°	500.1
67.5°	418.8
70°	349.2
72.5°	289.4
75°	237.8
77.5°	192.3
80°	148.3
82.5°	108.4
85°	70.0
87.5°	34.8
90°	0.0

(END OF REPORT)