

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: P219292

Luminaire Tested: **SSLED-LD5-12-N-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: P219292
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-LD5-12-N-UNV-L840-CD1-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: 12377.9 lumens
Efficiency: N/A
Efficacy: 145.1 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

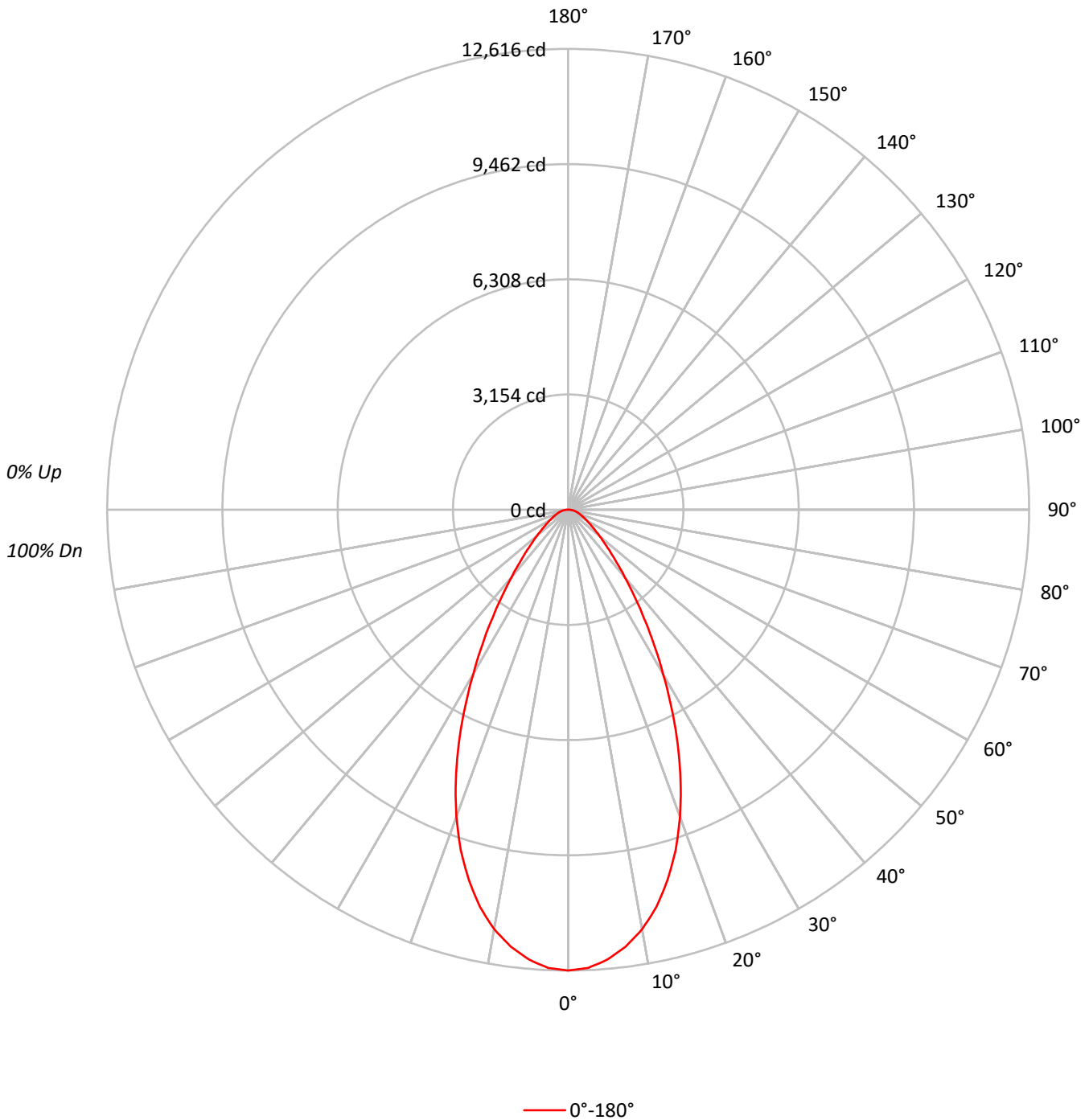
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	86969
5°	85542
10°	81617
15°	74943
20°	65621
25°	53901
30°	41353
35°	30366
40°	21691
45°	15772
50°	11971
55°	9495
60°	7973
65°	7097
70°	6627
75°	6496
80°	6677
85°	7277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.7	9.4
10°-20°	2917.3	23.6
20°-30°	3226.0	26.1
30°-40°	2277.9	18.4
40°-50°	1282.0	10.4
50°-60°	723.4	5.8
60°-70°	437.2	3.5
70°-80°	259.6	2.1
80°-90°	96.8	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°	7301.0	59.0
0°-40°	9579.0	77.4
0°-60°	11584.4	93.6
0°-90°	12377.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12377.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12616	
5°	12362	###
15°	10501	2917
25°	7086	3226
35°	3608	2278
45°	1618	1282
55°	790	723
65°	435	437
75°	244	260
85°	92	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12616.0
2.5°	12555.1
5°	12361.8
7.5°	12062.7
10°	11659.8
12.5°	11142.3
15°	10501.1
17.5°	9774.0
20°	8945.1
22.5°	8041.6
25°	7086.5
27.5°	6123.6
30°	5195.1
32.5°	4358.5
35°	3608.4
37.5°	2952.9
40°	2410.4
42.5°	1970.1
45°	1617.8
47.5°	1340.2
50°	1116.2
52.5°	935.2
55°	790.0
57.5°	673.4
60°	578.3
62.5°	500.6
65°	435.1
67.5°	378.9
70°	328.8
72.5°	284.8
75°	243.9
77.5°	206.6
80°	168.2
82.5°	130.4
85°	92.0
87.5°	49.1
90°	0.0

(END OF REPORT)