

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: P219418

Luminaire Tested: **SSLED-LD5-12-W-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: P219418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-12-W-UNV-L840-CD1-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 12460.8 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

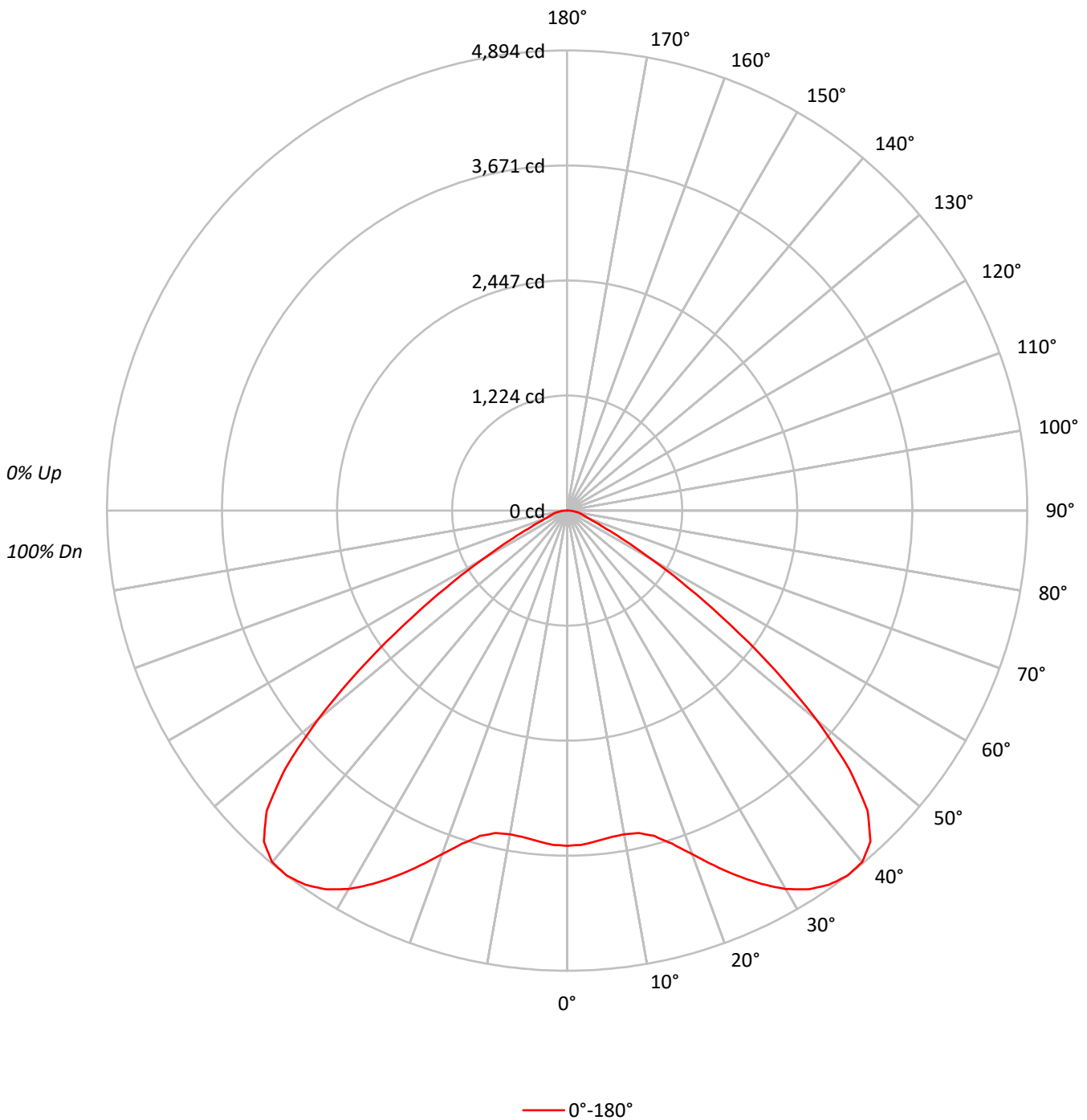
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24575
5°	24435
10°	24464
15°	25566
20°	28527
25°	32596
30°	36989
35°	40882
40°	43924
45°	44051
50°	37124
55°	25393
60°	14332
65°	7440
70°	4876
75°	4507
80°	4669
85°	4651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	2.7
10°-20°	1033.3	8.3
20°-30°	1990.8	16.0
30°-40°	3032.5	24.3
40°-50°	3380.2	27.1
50°-60°	1924.1	15.4
60°-70°	517.2	4.2
70°-80°	182.8	1.5
80°-90°	64.0	0.5
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°	3359.9	27.0
0°-40°	6392.5	51.3
0°-60°	11696.8	93.9
0°-90°	12460.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12460.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3565	
5°	3531	336
15°	3582	1033
25°	4285	1991
35°	4858	3033
45°	4518	3380
55°	2113	1924
65°	456	517
75°	169	183
85°	59	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3564.9
2.5°	3557.2
5°	3531.2
7.5°	3505.1
10°	3494.9
12.5°	3511.7
15°	3582.3
17.5°	3714.2
20°	3888.6
22.5°	4084.9
25°	4285.4
27.5°	4476.6
30°	4646.9
32.5°	4775.2
35°	4858.0
37.5°	4893.8
40°	4881.0
42.5°	4774.7
45°	4518.5
47.5°	4071.1
50°	3461.6
52.5°	2784.1
55°	2112.8
57.5°	1525.3
60°	1039.5
62.5°	689.3
65°	456.1
67.5°	318.0
70°	241.9
72.5°	198.4
75°	169.2
77.5°	145.7
80°	117.6
82.5°	86.9
85°	58.8
87.5°	30.7
90°	0.0

(END OF REPORT)