

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: P219460

Luminaire Tested: **SSLED-LD5-12-W-UNV-L840-CD1-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: P219460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)
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-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 11700.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

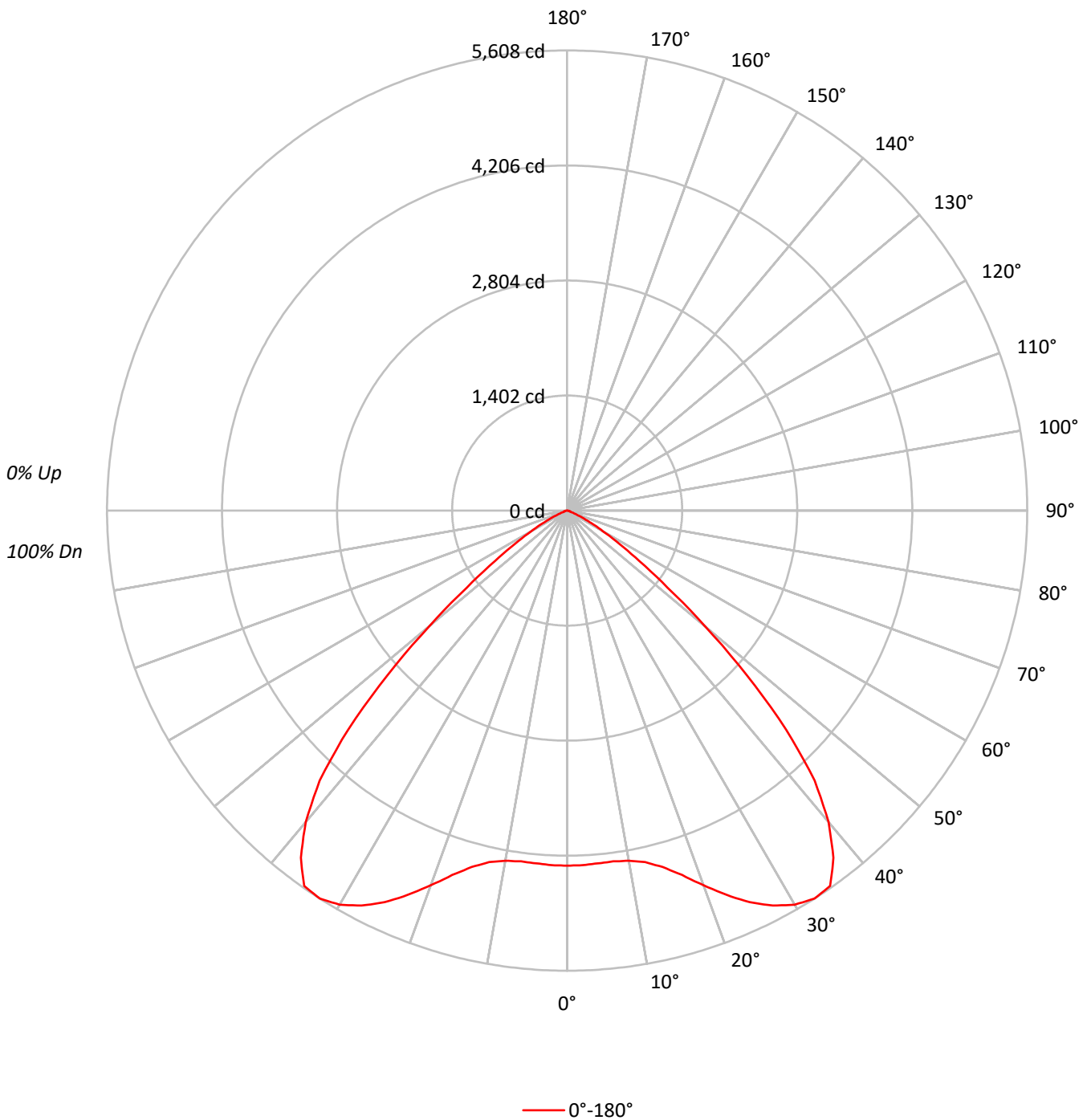
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66		74	69	65		72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52		61	56	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41		52	46	41		50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37		48	42	37		47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29828
5°	29860
10°	30327
15°	32084
20°	35635
25°	40059
30°	44145
35°	47006
40°	44583
45°	36808
50°	23481
55°	12893
60°	6979
65°	3279
70°	1030
75°	804
80°	834
85°	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.3	3.5
10°-20°	1292.7	11.0
20°-30°	2435.2	20.8
30°-40°	3412.6	29.2
40°-50°	2832.1	24.2
50°-60°	1043.0	8.9
60°-70°	226.3	1.9
70°-80°	33.7	0.3
80°-90°	12.0	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°	4140.3	35.4
0°-40°	7552.9	64.6
0°-60°	11428.0	97.7
0°-90°	11700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4327	
5°	4315	412
15°	4496	1293
25°	5267	2435
35°	5586	3413
45°	3776	2832
55°	1073	1043
65°	201	226
75°	30	34
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4326.9
2.5°	4325.3
5°	4315.1
7.5°	4312.5
10°	4332.5
12.5°	4386.2
15°	4495.6
17.5°	4656.7
20°	4857.6
22.5°	5068.3
25°	5266.7
27.5°	5426.2
30°	5545.9
32.5°	5607.7
35°	5585.7
37.5°	5330.6
40°	4954.3
42.5°	4463.9
45°	3775.6
47.5°	2971.8
50°	2189.5
52.5°	1541.7
55°	1072.8
57.5°	751.1
60°	506.2
62.5°	334.4
65°	201.0
67.5°	109.4
70°	51.1
72.5°	36.3
75°	30.2
77.5°	25.1
80°	21.0
82.5°	16.9
85°	11.2
87.5°	5.6
90°	0.0

(END OF REPORT)