

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: P219423

Luminaire Tested: **SSLED-LD5-18-W-UNV-L835-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: P219423
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-LD5-18-W-UNV-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16967.1 lumens
Efficiency: N/A
Efficacy: 126.8 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

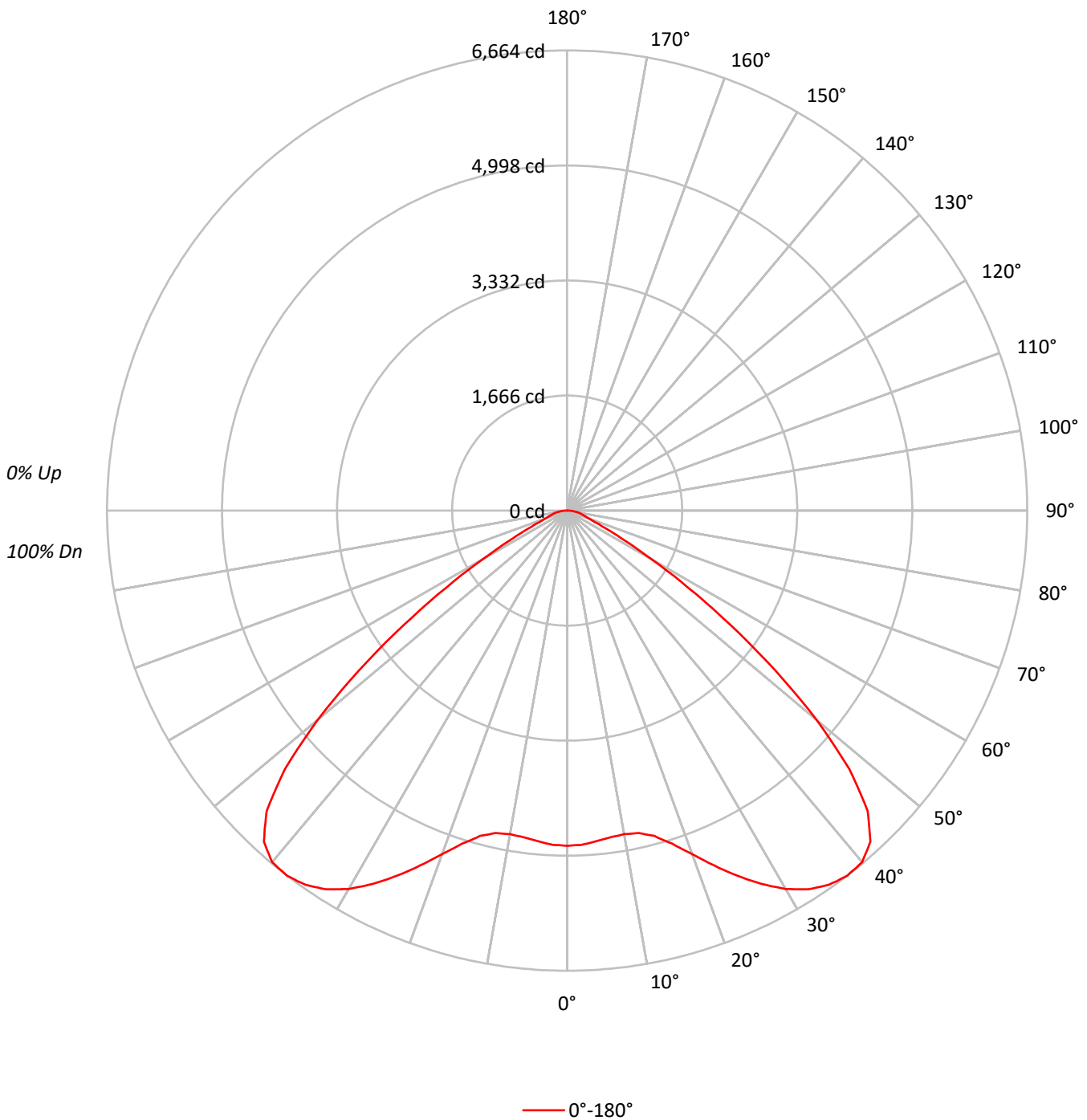
Input Watts (W): 133.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33462
5°	33271
10°	33310
15°	34811
20°	38842
25°	44383
30°	50365
35°	55667
40°	59808
45°	59981
50°	50550
55°	34575
60°	19514
65°	10129
70°	6637
75°	6139
80°	6356
85°	6335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.2	2.7
10°-20°	1407.0	8.3
20°-30°	2710.8	16.0
30°-40°	4129.2	24.3
40°-50°	4602.6	27.1
50°-60°	2619.9	15.4
60°-70°	704.2	4.2
70°-80°	249.0	1.5
80°-90°	87.2	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°	4575.0	27.0
0°-40°	8704.2	51.3
0°-60°	15926.8	93.9
0°-90°	16967.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16967.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4854	
5°	4808	457
15°	4878	1407
25°	5835	2711
35°	6615	4129
45°	6153	4603
55°	2877	2620
65°	621	704
75°	230	249
85°	80	87
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4854.1
2.5°	4843.7
5°	4808.1
7.5°	4772.6
10°	4758.7
12.5°	4781.7
15°	4877.8
17.5°	5057.4
20°	5294.8
22.5°	5562.2
25°	5835.1
27.5°	6095.5
30°	6327.3
32.5°	6502.1
35°	6614.9
37.5°	6663.6
40°	6646.2
42.5°	6501.4
45°	6152.6
47.5°	5543.4
50°	4713.5
52.5°	3791.0
55°	2876.8
57.5°	2076.8
60°	1415.4
62.5°	938.5
65°	621.0
67.5°	433.1
70°	329.3
72.5°	270.1
75°	230.5
77.5°	198.4
80°	160.1
82.5°	118.4
85°	80.1
87.5°	41.8
90°	0.0

(END OF REPORT)