

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: P219389

Luminaire Tested: **SSLED-LD5-30-M-UNV-L850-CD2-UPL-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: P219389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27259)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-30-M-UNV-L850-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27954.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.18
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

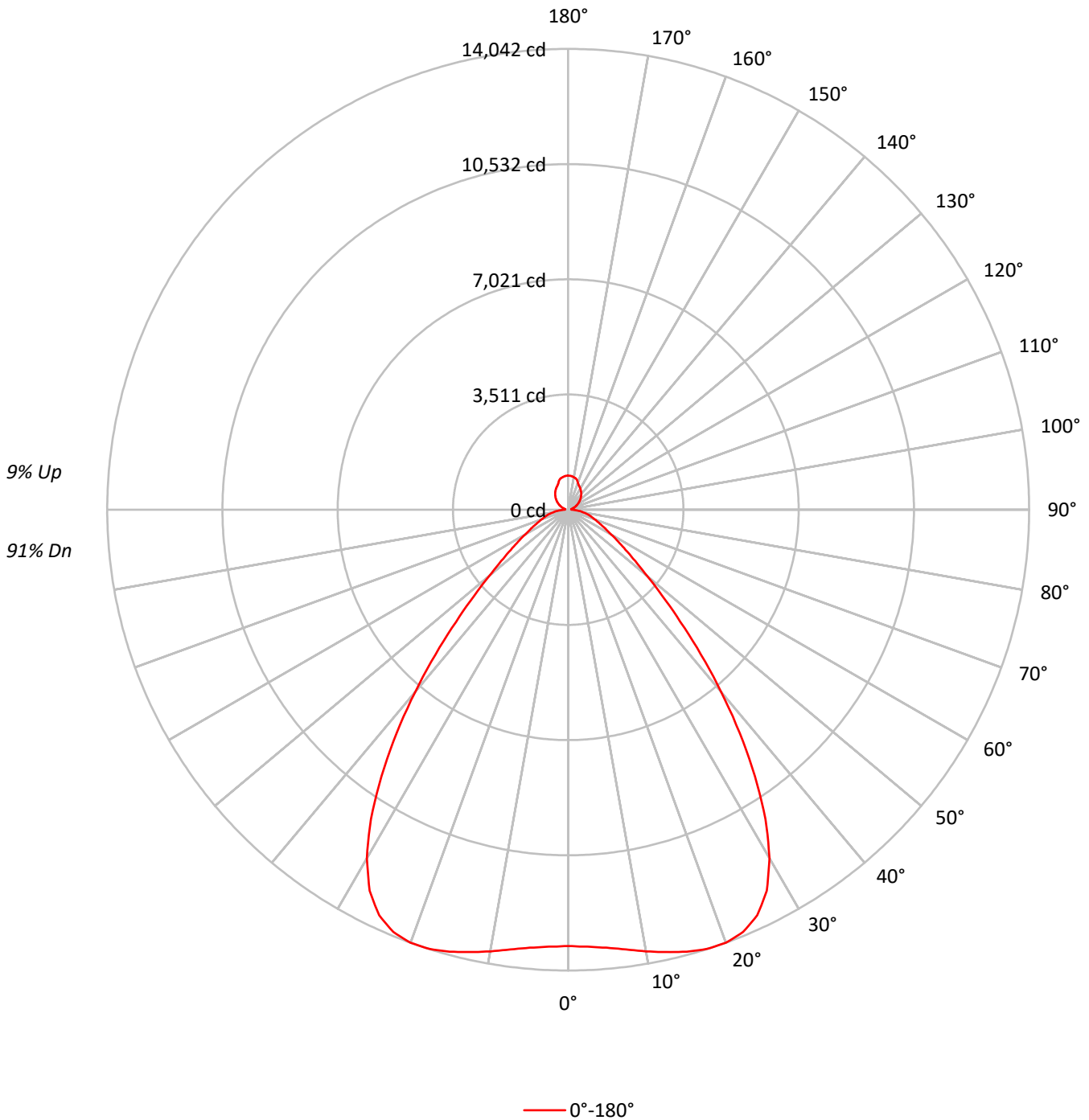
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94	94	94	91
1	109	105	102	99	105	102	99	96	96	94	92		91	89	87		86	85	83	81
2	101	95	89	85	98	92	87	83	87	83	80		83	80	77		79	76	74	72
3	94	86	79	74	91	83	77	73	79	74	70		76	71	68		72	69	66	64
4	88	78	70	65	85	76	69	64	72	67	62		69	64	61		66	62	59	57
5	82	71	63	58	79	69	62	57	66	60	56		64	58	54		61	57	53	51
6	76	65	57	52	74	64	56	51	61	55	50		59	53	49		56	52	48	46
7	71	60	52	47	69	58	51	46	56	50	46		54	49	45		52	47	44	42
8	67	55	48	43	65	54	47	42	52	46	41		50	45	41		49	44	40	38
9	63	51	44	39	61	50	43	39	48	42	38		47	41	37		45	40	37	35
10	59	47	40	36	57	47	40	35	45	39	35		44	38	34		42	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91645
5°	92698
10°	95666
15°	99507
20°	103011
25°	103694
30°	97631
35°	83412
40°	65272
45°	47082
50°	33551
55°	25625
60°	20956
65°	18419
70°	17273
75°	17797
80°	19027
85°	20501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1287.4	4.6
10°-20°	3948.8	14.1
20°-30°	6202.7	22.2
30°-40°	6130.8	21.9
40°-50°	3806.1	13.6
50°-60°	1965.7	7.0
60°-70°	1138.3	4.1
70°-80°	704.7	2.5
80°-90°	310.8	1.1
90°-100°	111.4	0.4
100°-110°	145.9	0.5
110°-120°	259.3	0.9
120°-130°	360.4	1.3
130°-140°	422.6	1.5
140°-150°	425.7	1.5
150°-160°	367.6	1.3
160°-170°	268.5	1.0
170°-180°	97.4	0.3
0°-30°	11438.9	40.9
0°-40°	17569.7	62.9
0°-60°	23341.5	83.5
0°-90°	25495.2	91.2
90°-120°	516.6	1.8
90°-150°	1725.3	6.2
90°-180°	2459.0	8.8
0°-180°	27954.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13294	
5°	13396	###
15°	13943	3949
25°	13633	6203
35°	9912	6131
45°	4830	3806
55°	2132	1966
65°	1129	1138
75°	668	705
85°	259	265
90°	138	77
95°	95	80
105°	132	146
115°	263	259
125°	402	360
135°	548	423
145°	681	426
155°	794	368
165°	968	268
175°	1030	97
180°	1037	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13294.3
2.5°	13328.2
5°	13395.9
7.5°	13511.8
10°	13666.8
12.5°	13806.2
15°	13942.9
17.5°	14035.4
20°	14041.9
22.5°	13926.0
25°	13632.9
27.5°	13092.4
30°	12265.3
32.5°	11181.7
35°	9911.8
37.5°	8580.7
40°	7253.4
42.5°	5982.2
45°	4829.5
47.5°	3882.7
50°	3128.5
52.5°	2569.8
55°	2132.1
57.5°	1798.7
60°	1520.0
62.5°	1302.5
65°	1129.2
67.5°	983.4
70°	857.0
72.5°	758.0
75°	668.2
77.5°	575.7
80°	479.3
82.5°	380.3
85°	259.2
87.5°	192.8
90°	138.1
92.5°	89.9
95°	95.1
97.5°	100.3
100°	108.1
102.5°	118.5
105°	131.5
107.5°	153.7
110°	190.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	227.9
115°	263.1
117.5°	297.0
120°	330.8
122.5°	367.3
125°	402.5
127.5°	438.9
130°	476.7
132.5°	513.2
135°	548.3
137.5°	582.2
140°	616.1
142.5°	649.9
145°	681.2
147.5°	711.1
150°	739.8
152.5°	765.9
155°	794.5
157.5°	827.1
160°	868.7
162.5°	924.8
165°	967.7
167.5°	987.3
170°	1001.6
172.5°	1017.2
175°	1030.3
177.5°	1035.5
180°	1036.8

(END OF REPORT)