

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: P219325

Luminaire Tested: **SSLED-LD5-30-N-UNV-L840-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: P219325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27258)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-30-N-UNV-L840-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR 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: 26417.7 lumens
Efficiency: N/A
Efficacy: 99.2 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

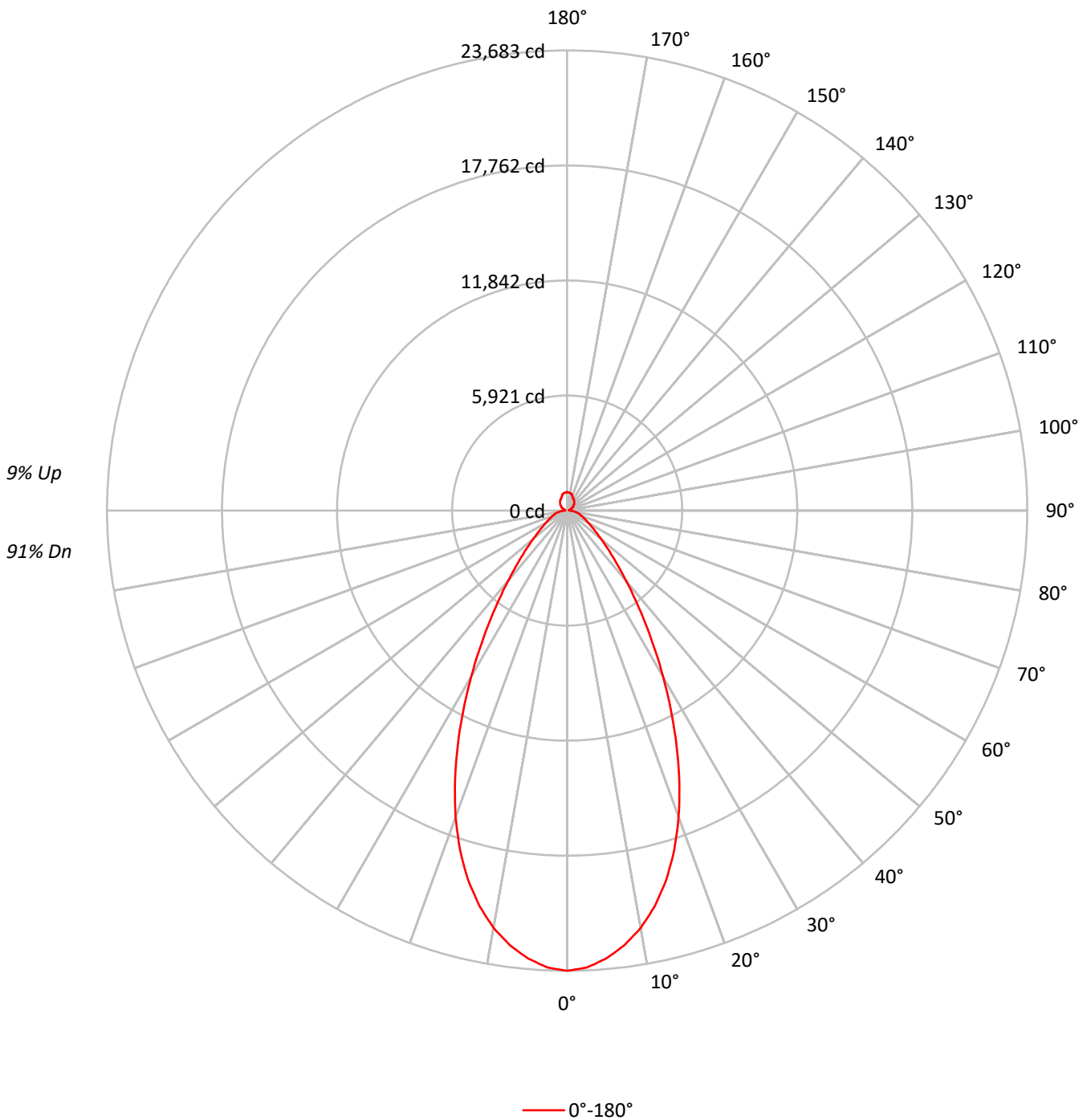
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	103	100	106	103	100	97	97	95	93	92	90	88	87	86	84	82
2	102	96	91	87	99	94	89	85	89	85	82	85	82	79	80	78	76	74
3	96	88	82	77	93	86	80	76	82	77	73	78	74	71	75	72	69	67
4	90	81	74	69	87	79	73	68	76	70	66	72	68	64	69	66	63	61
5	84	74	67	62	82	73	66	62	70	65	60	67	63	59	65	61	58	56
6	79	69	62	57	77	68	61	56	65	60	55	63	58	54	61	56	53	51
7	75	64	57	52	73	63	57	52	61	55	51	59	54	50	57	53	49	48
8	71	60	53	48	69	59	53	48	57	51	47	55	50	47	54	49	46	44
9	67	56	49	45	65	55	49	45	54	48	44	52	47	43	51	46	43	41
10	64	53	46	42	62	52	46	42	51	45	41	49	44	41	48	43	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163258
5°	160099
10°	152653
15°	140481
20°	123091
25°	101285
30°	78529
35°	58235
40°	42413
45°	31682
50°	24467
55°	20014
60°	17476
65°	16104
70°	15802
75°	16881
80°	18595
85°	20968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2166.7	8.2
10°-20°	5465.1	20.7
20°-30°	6070.2	23.0
30°-40°	4371.3	16.5
40°-50°	2562.2	9.7
50°-60°	1521.6	5.8
60°-70°	991.5	3.8
70°-80°	665.9	2.5
80°-90°	313.8	1.2
90°-100°	110.9	0.4
100°-110°	138.3	0.5
110°-120°	251.4	1.0
120°-130°	340.8	1.3
130°-140°	393.5	1.5
140°-150°	389.4	1.5
150°-160°	332.8	1.3
160°-170°	243.7	0.9
170°-180°	88.6	0.3
0°-30°	13702.0	51.9
0°-40°	18073.3	68.4
0°-60°	22157.1	83.9
0°-90°	24128.4	91.3
90°-120°	500.6	1.9
90°-150°	1624.3	6.1
90°-180°	2289.0	8.7
0°-180°	26417.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23683	
5°	23136	###
15°	19684	5465
25°	13316	6070
35°	6920	4371
45°	3250	2562
55°	1665	1522
65°	987	992
75°	634	666
85°	265	267
90°	144	80
95°	93	79
105°	124	138
115°	256	251
125°	380	341
135°	510	394
145°	622	389
155°	718	333
165°	879	244
175°	938	89
180°	948	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23682.8
2.5°	23536.4
5°	23136.1
7.5°	22561.7
10°	21807.9
12.5°	20839.6
15°	19684.3
17.5°	18324.6
20°	16779.2
22.5°	15086.2
25°	13316.1
27.5°	11549.8
30°	9865.5
32.5°	8313.9
35°	6920.0
37.5°	5714.3
40°	4713.1
42.5°	3901.3
45°	3249.8
47.5°	2717.0
50°	2281.4
52.5°	1935.5
55°	1665.3
57.5°	1446.9
60°	1267.6
62.5°	1116.1
65°	987.3
67.5°	878.7
70°	784.0
72.5°	707.0
75°	633.8
77.5°	555.5
80°	468.4
82.5°	380.0
85°	265.1
87.5°	200.7
90°	143.9
92.5°	92.2
95°	93.4
97.5°	97.2
100°	103.5
102.5°	111.1
105°	123.7
107.5°	146.5
110°	181.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	222.2
115°	256.3
117.5°	287.9
120°	318.2
122.5°	348.5
125°	380.0
127.5°	412.9
130°	448.2
132.5°	479.8
135°	510.1
137.5°	540.4
140°	569.4
142.5°	597.2
145°	622.4
147.5°	647.7
150°	670.4
152.5°	693.1
155°	718.4
157.5°	748.7
160°	787.8
162.5°	838.3
165°	878.7
167.5°	896.4
170°	911.6
172.5°	925.4
175°	938.1
177.5°	944.4
180°	948.2

(END OF REPORT)