

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: P219324

Luminaire Tested: **SSLED-LD5-30-N-UNV-L835-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: P219324
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-L835-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24700.6 lumens
Efficiency: N/A
Efficacy: 92.7 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

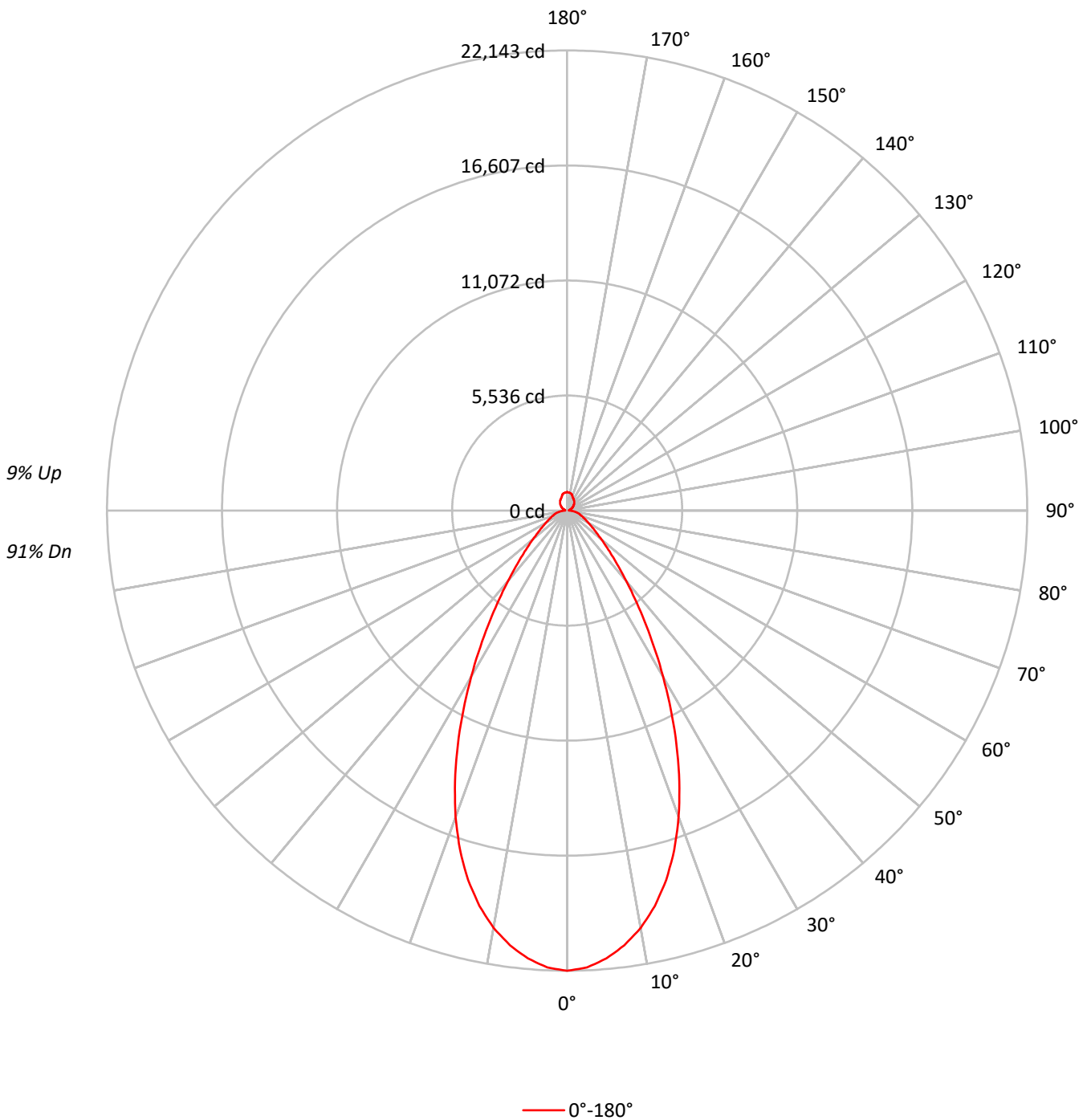
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	152646
5°	149693
10°	142730
15°	131351
20°	115091
25°	94701
30°	73425
35°	54450
40°	39655
45°	29623
50°	22876
55°	18714
60°	16340
65°	15057
70°	14776
75°	15784
80°	17388
85°	19608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2025.8	8.2
10°-20°	5109.9	20.7
20°-30°	5675.7	23.0
30°-40°	4087.2	16.5
40°-50°	2395.7	9.7
50°-60°	1422.7	5.8
60°-70°	927.1	3.8
70°-80°	622.7	2.5
80°-90°	293.4	1.2
90°-100°	103.7	0.4
100°-110°	129.3	0.5
110°-120°	235.0	1.0
120°-130°	318.7	1.3
130°-140°	367.9	1.5
140°-150°	364.1	1.5
150°-160°	311.2	1.3
160°-170°	227.8	0.9
170°-180°	82.9	0.3
0°-30°	12811.4	51.9
0°-40°	16898.6	68.4
0°-60°	20716.9	83.9
0°-90°	22560.1	91.3
90°-120°	468.0	1.9
90°-150°	1518.7	6.1
90°-180°	2141.0	8.7
0°-180°	24700.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22143	
5°	21632	###
15°	18405	5110
25°	12450	5676
35°	6470	4087
45°	3039	2396
55°	1557	1423
65°	923	927
75°	593	623
85°	248	249
90°	135	74
95°	87	73
105°	116	129
115°	240	235
125°	355	319
135°	477	368
145°	582	364
155°	672	311
165°	822	228
175°	877	83
180°	886	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22143.4
2.5°	22006.5
5°	21632.3
7.5°	21095.2
10°	20390.4
12.5°	19485.0
15°	18404.9
17.5°	17133.5
20°	15688.6
22.5°	14105.6
25°	12450.5
27.5°	10799.0
30°	9224.3
32.5°	7773.5
35°	6470.2
37.5°	5342.9
40°	4406.7
42.5°	3647.7
45°	3038.6
47.5°	2540.4
50°	2133.1
52.5°	1809.7
55°	1557.1
57.5°	1352.8
60°	1185.2
62.5°	1043.5
65°	923.1
67.5°	821.6
70°	733.1
72.5°	661.1
75°	592.6
77.5°	519.4
80°	438.0
82.5°	355.3
85°	247.9
87.5°	187.7
90°	134.6
92.5°	86.2
95°	87.4
97.5°	90.9
100°	96.8
102.5°	103.9
105°	115.7
107.5°	136.9
110°	170.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	207.8
115°	239.6
117.5°	269.1
120°	297.5
122.5°	325.8
125°	355.3
127.5°	386.0
130°	419.1
132.5°	448.6
135°	476.9
137.5°	505.2
140°	532.4
142.5°	558.4
145°	582.0
147.5°	605.6
150°	626.8
152.5°	648.1
155°	671.7
157.5°	700.0
160°	736.6
162.5°	783.8
165°	821.6
167.5°	838.1
170°	852.3
172.5°	865.3
175°	877.1
177.5°	883.0
180°	886.5

(END OF REPORT)