

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: P219450

Luminaire Tested: **SSLED-LD5-30-W-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: P219450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-30-W-UNV-L835-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 25476.1 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

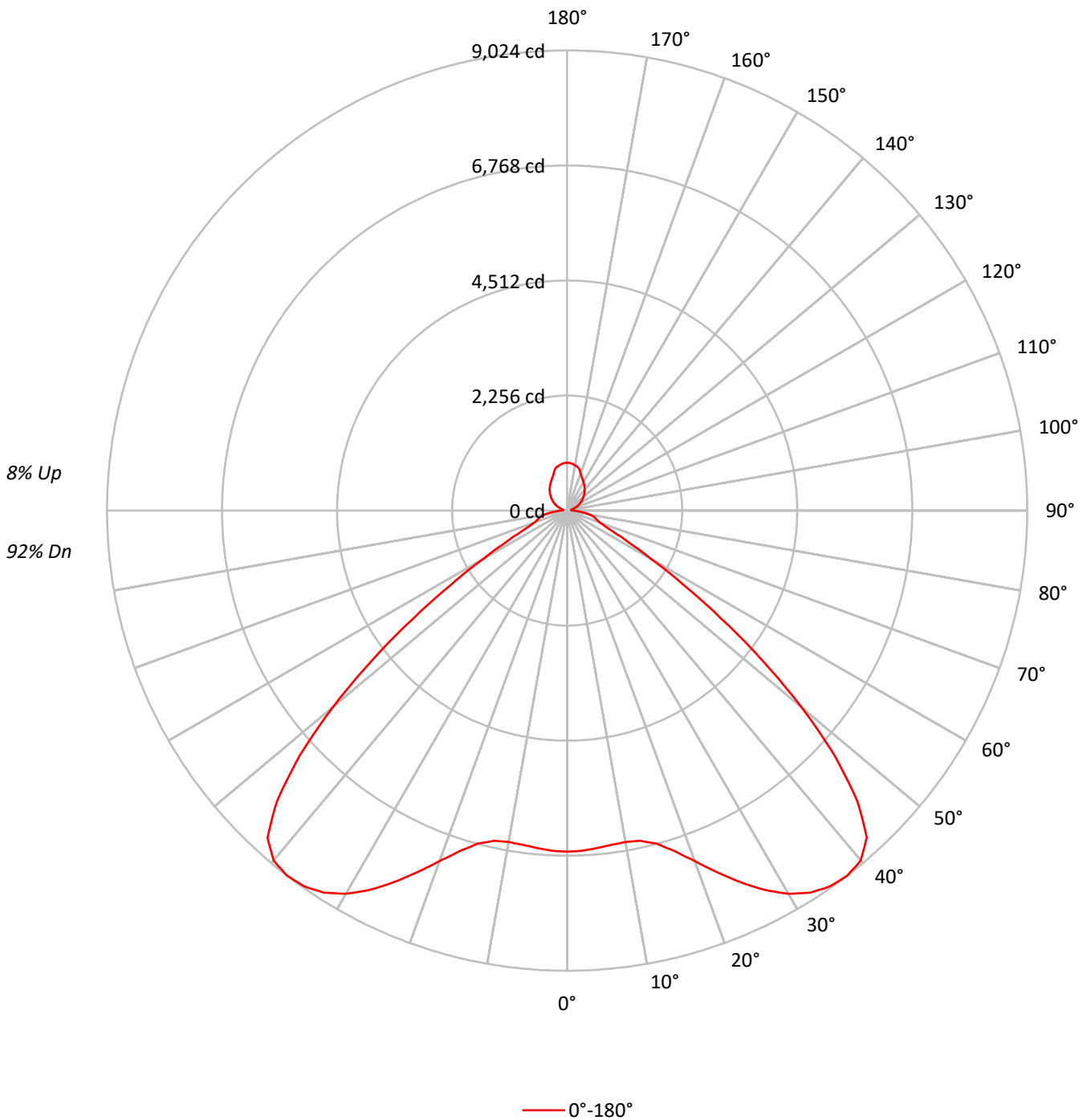
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92
1	108	104	100	97	105	101	98	95	95	93	90		90	88	86		85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77		81	77	74		76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65		72	67	63		68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56		64	59	55		61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49		58	52	48		55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43		52	46	42		50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38		48	41	37		46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33		43	37	33		42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30		40	34	29		38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27		36	30	26		35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46107
5°	45982
10°	46191
15°	48265
20°	53648
25°	61164
30°	69065
35°	75699
40°	80607
45°	78418
50°	64376
55°	44194
60°	26300
65°	16752
70°	13706
75°	15248
80°	17340
85°	19236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.7	2.5
10°-20°	1948.5	7.6
20°-30°	3732.6	14.7
30°-40°	5612.9	22.0
40°-50°	6035.0	23.7
50°-60°	3362.8	13.2
60°-70°	1109.4	4.4
70°-80°	598.3	2.3
80°-90°	288.1	1.1
90°-100°	96.0	0.4
100°-110°	125.1	0.5
110°-120°	231.8	0.9
120°-130°	317.6	1.2
130°-140°	367.2	1.4
140°-150°	367.8	1.4
150°-160°	322.7	1.3
160°-170°	240.2	0.9
170°-180°	87.7	0.3
0°-30°	6313.8	24.8
0°-40°	11926.7	46.8
0°-60°	21324.5	83.7
0°-90°	23320.2	91.5
90°-120°	452.8	1.8
90°-150°	1505.4	5.9
90°-180°	2156.0	8.5
0°-180°	25476.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6688	
5°	6645	633
15°	6763	1948
25°	8041	3733
35°	8995	5613
45°	8044	6035
55°	3677	3363
65°	1027	1109
75°	572	598
85°	243	246
90°	128	71
95°	80	68
105°	113	125
115°	237	232
125°	355	318
135°	477	367
145°	588	368
155°	698	323
165°	866	240
175°	929	88
180°	936	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6688.5
2.5°	6677.9
5°	6644.9
7.5°	6611.8
10°	6598.8
12.5°	6631.9
15°	6762.9
17.5°	6997.8
20°	7313.0
22.5°	7673.1
25°	8041.4
27.5°	8384.9
30°	8676.5
32.5°	8881.9
35°	8995.2
37.5°	9023.5
40°	8957.4
42.5°	8697.7
45°	8043.7
47.5°	7114.7
50°	6002.7
52.5°	4819.9
55°	3677.2
57.5°	2699.7
60°	1907.6
62.5°	1376.4
65°	1027.0
67.5°	803.9
70°	680.0
72.5°	616.2
75°	572.5
77.5°	518.2
80°	436.8
82.5°	353.0
85°	243.2
87.5°	179.4
90°	127.5
92.5°	80.3
95°	80.3
97.5°	82.6
100°	89.7
102.5°	99.2
105°	113.3
107.5°	133.4
110°	166.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	204.2
115°	237.3
117.5°	265.6
120°	293.9
122.5°	325.8
125°	355.3
127.5°	384.8
130°	415.5
132.5°	446.2
135°	476.9
137.5°	505.2
140°	533.6
142.5°	560.7
145°	587.9
147.5°	613.8
150°	642.2
152.5°	669.3
155°	697.7
157.5°	729.5
160°	772.0
162.5°	826.3
165°	866.5
167.5°	885.4
170°	899.5
172.5°	916.0
175°	929.0
177.5°	934.9
180°	936.1

(END OF REPORT)