

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: P219452

Luminaire Tested: **SSLED-LD5-30-W-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: P219452
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-L850-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) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28109.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

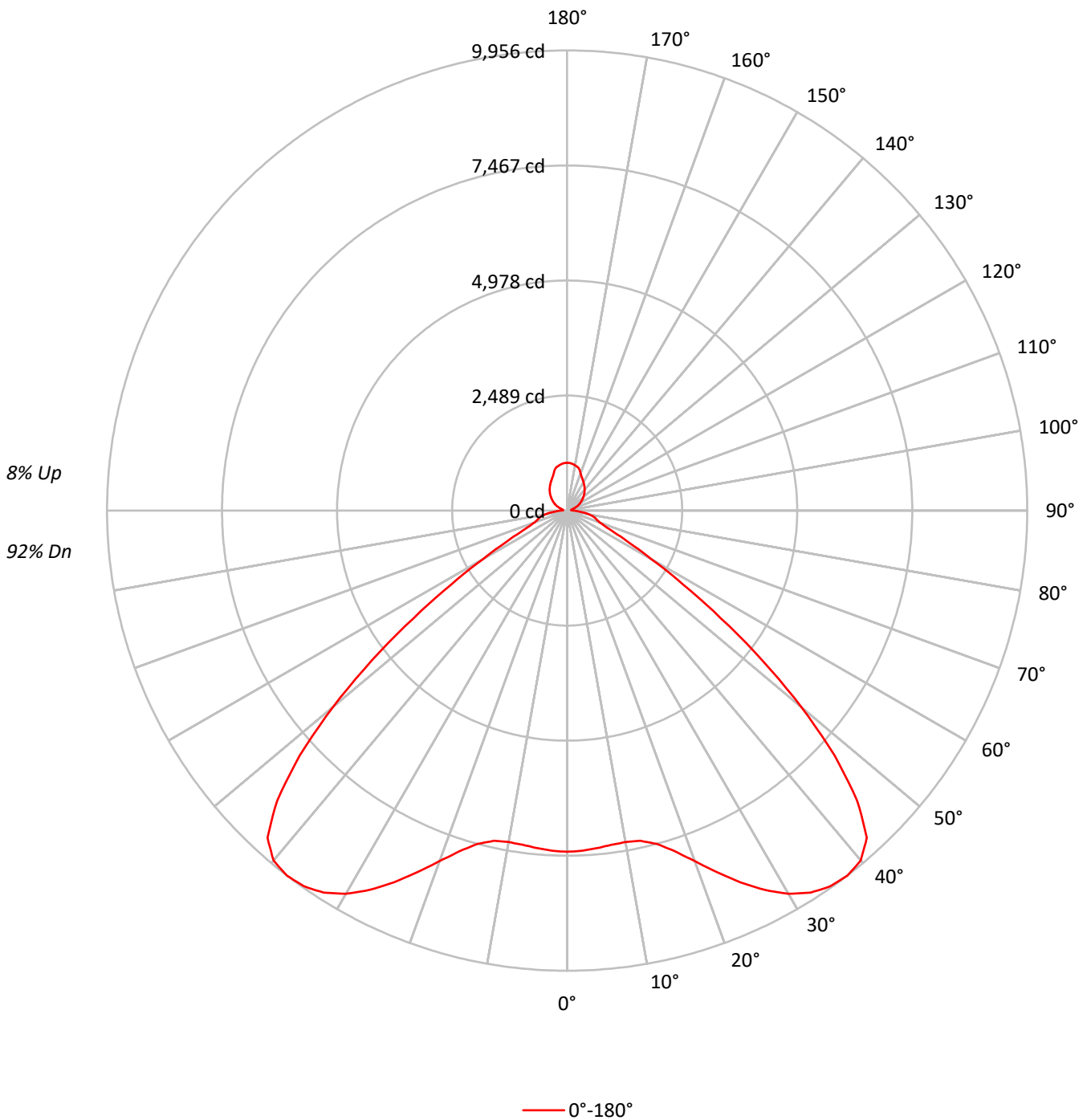
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50873
5°	50734
10°	50965
15°	53253
20°	59192
25°	67485
30°	76202
35°	83522
40°	88937
45°	86522
50°	71028
55°	48762
60°	29019
65°	18483
70°	15121
75°	16825
80°	19131
85°	21221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.1	2.5
10°-20°	2149.9	7.6
20°-30°	4118.3	14.7
30°-40°	6192.9	22.0
40°-50°	6658.7	23.7
50°-60°	3710.3	13.2
60°-70°	1224.0	4.4
70°-80°	660.1	2.3
80°-90°	317.8	1.1
90°-100°	105.9	0.4
100°-110°	138.0	0.5
110°-120°	255.8	0.9
120°-130°	350.4	1.2
130°-140°	405.1	1.4
140°-150°	405.8	1.4
150°-160°	356.1	1.3
160°-170°	265.0	0.9
170°-180°	96.8	0.3
0°-30°	6966.3	24.8
0°-40°	13159.2	46.8
0°-60°	23528.2	83.7
0°-90°	25730.2	91.5
90°-120°	499.7	1.8
90°-150°	1661.0	5.9
90°-180°	2379.0	8.5
0°-180°	28109.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7380	
5°	7332	698
15°	7462	2150
25°	8872	4118
35°	9925	6193
45°	8875	6659
55°	4057	3710
65°	1133	1224
75°	632	660
85°	268	271
90°	141	78
95°	89	75
105°	125	138
115°	262	256
125°	392	350
135°	526	405
145°	649	406
155°	770	356
165°	956	265
175°	1025	97
180°	1033	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7379.8
2.5°	7368.0
5°	7331.6
7.5°	7295.1
10°	7280.8
12.5°	7317.2
15°	7461.8
17.5°	7721.0
20°	8068.8
22.5°	8466.0
25°	8872.4
27.5°	9251.4
30°	9573.1
32.5°	9799.7
35°	9924.8
37.5°	9956.0
40°	9883.1
42.5°	9596.6
45°	8875.0
47.5°	7850.0
50°	6623.0
52.5°	5318.0
55°	4057.2
57.5°	2978.7
60°	2104.8
62.5°	1518.7
65°	1133.1
67.5°	887.0
70°	750.2
72.5°	679.9
75°	631.7
77.5°	571.8
80°	481.9
82.5°	389.4
85°	268.3
87.5°	198.0
90°	140.7
92.5°	88.6
95°	88.6
97.5°	91.2
100°	99.0
102.5°	109.4
105°	125.0
107.5°	147.2
110°	183.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	225.3
115°	261.8
117.5°	293.1
120°	324.3
122.5°	359.5
125°	392.0
127.5°	424.6
130°	458.5
132.5°	492.3
135°	526.2
137.5°	557.5
140°	588.7
142.5°	618.7
145°	648.6
147.5°	677.3
150°	708.5
152.5°	738.5
155°	769.8
157.5°	804.9
160°	851.8
162.5°	911.7
165°	956.0
167.5°	976.8
170°	992.5
172.5°	1010.7
175°	1025.0
177.5°	1031.6
180°	1032.9

(END OF REPORT)