

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: P284676

Luminaire Tested: **8SNLED-LD5-64SL-SLW-UNV-L935-CD1-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: P284676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5395.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

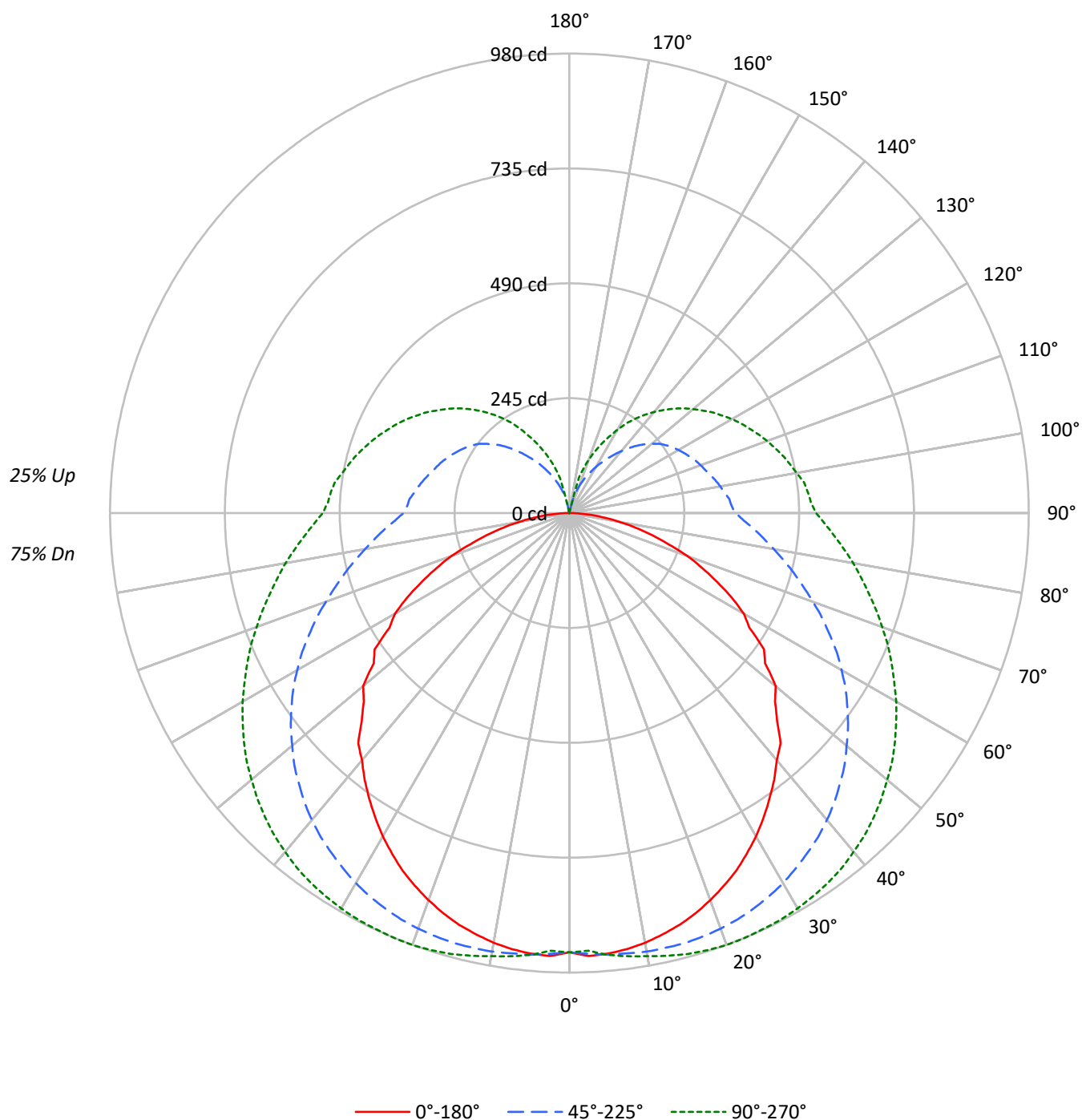
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284676

CATALOG NUMBER: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P284676

CATALOG NUMBER: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75		
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56		
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44		
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36		
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30		
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25		
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22		
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19		
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17		
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15		
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3786	3786	3786
5°	3820	3745	3713
10°	3807	3715	3693
15°	3787	3699	3700
20°	3756	3685	3708
25°	3726	3675	3713
30°	3681	3667	3733
35°	3631	3657	3759
40°	3583	3659	3783
45°	3524	3654	3814
50°	3545	3651	3844
55°	3494	3656	3889
60°	3381	3664	3942
65°	3212	3676	4015
70°	3030	3711	4129
75°	2695	3809	4295
80°	2332	4008	4572
85°	1845	4407	4976



TEST NUMBER: P284676

CATALOG NUMBER: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.7
10°-20°	266.9	4.9
20°-30°	424.2	7.9
30°-40°	544.4	10.1
40°-50°	614.8	11.4
50°-60°	627.3	11.6
60°-70°	581.2	10.8
70°-80°	492.0	9.1
80°-90°	392.7	7.3
90°-100°	333.5	6.2
100°-110°	297.1	5.5
110°-120°	253.1	4.7
120°-130°	201.0	3.7
130°-140°	142.6	2.6
140°-150°	85.1	1.6
150°-160°	39.7	0.7
160°-170°	9.4	0.2
170°-180°	0.0	0.0
0°-30°	781.1	14.5
0°-40°	1325.5	24.6
0°-60°	2567.6	47.6
0°-90°	4033.5	74.8
90°-120°	883.7	16.4
90°-150°	1312.4	24.3
90°-180°	1362.0	25.2
0°-180°	5395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	943	936	946	946	946	90
15°	909	916	950	967	974	256
25°	842	870	930	963	979	388
35°	744	799	885	939	962	466
45°	626	711	816	887	918	486
55°	507	592	724	812	848	445
65°	347	463	612	717	758	345
75°	183	323	496	618	661	194
85°	47	208	396	523	568	51
90°	2	170	354	482	526	4
95°	0	160	342	468	511	0
105°	0	147	312	430	472	0
115°	0	137	284	387	424	0
125°	0	118	252	341	374	0
135°	0	88	203	288	314	0
145°	0	57	142	216	246	1
155°	1	36	88	132	164	1
165°	1	19	39	54	77	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P284676

CATALOG NUMBER: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.0	937.0	937.0	937.0	937.0
2.5°	945.6	935.6	940.8	939.4	934.3
5°	943.2	935.6	945.6	945.6	945.6
7.5°	938.0	932.9	946.9	952.1	953.4
10°	930.5	930.5	949.7	957.2	959.6
12.5°	920.2	924.0	949.7	961.0	967.1
15°	909.0	916.5	949.7	967.1	973.6
17.5°	894.9	907.6	946.9	968.5	977.4
20°	878.5	897.7	943.2	968.5	980.1
22.5°	860.7	885.0	938.0	966.1	980.1
25°	841.9	869.6	930.5	963.4	978.7
27.5°	819.0	854.6	921.6	959.6	977.4
30°	796.1	836.8	911.4	954.5	973.6
32.5°	770.7	817.6	898.7	946.9	968.5
35°	744.1	798.8	885.0	939.4	962.3
37.5°	717.4	775.9	871.0	929.1	954.5
40°	688.3	753.0	854.6	916.5	943.2
42.5°	666.8	729.0	836.8	903.8	931.9
45°	626.4	711.2	816.2	887.4	917.9
47.5°	594.6	677.0	796.1	871.0	902.5
50°	574.4	649.0	772.1	851.8	885.0
52.5°	526.1	630.1	749.2	833.0	868.2
55°	507.0	592.2	723.9	812.5	848.1
57.5°	455.0	565.5	698.6	789.9	826.5
60°	429.7	528.5	670.5	767.0	805.0
62.5°	390.3	497.1	642.8	741.7	781.0
65°	347.2	462.9	612.4	717.4	758.1
67.5°	306.9	428.7	583.3	692.1	735.2
70°	267.5	393.1	552.8	666.8	709.9
72.5°	221.7	357.5	523.4	642.8	685.9
75°	182.7	323.3	495.7	617.5	660.6
77.5°	144.4	290.4	469.0	594.6	637.7
80°	109.1	258.6	442.3	570.6	614.8
82.5°	75.9	231.9	418.4	547.7	590.8
85°	46.9	208.0	395.5	523.4	567.9
87.5°	21.6	186.4	372.5	500.8	546.3
90°	2.4	170.0	353.7	481.7	526.1
92.5°	1.4	164.9	346.2	472.8	515.9
95°	0.0	159.8	342.4	467.6	510.8
97.5°	0.0	154.6	333.5	460.1	504.6
100°	0.0	152.2	327.0	448.8	491.9
102.5°	0.0	148.5	319.5	438.6	481.7
105°	0.0	147.1	312.0	429.7	471.8
107.5°	0.0	144.4	304.1	418.4	460.1
110°	0.0	142.0	298.0	408.1	448.8



TEST NUMBER: P284676

CATALOG NUMBER: 8SNLED-LD5-64SL-SLW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	139.6	291.5	398.2	437.2
115°	0.0	136.8	283.9	386.6	424.5
117.5°	0.0	133.1	276.4	375.3	413.3
120°	0.0	127.9	268.9	365.0	400.6
122.5°	0.0	122.8	261.0	352.4	386.6
125°	0.0	118.0	252.1	341.1	373.9
127.5°	0.0	110.2	242.2	328.4	358.9
130°	0.0	102.6	229.5	315.8	344.8
132.5°	1.4	95.1	216.9	301.7	330.8
135°	0.0	87.6	202.9	287.7	314.4
137.5°	0.0	81.1	187.5	272.7	298.0
140°	0.0	73.6	172.4	254.9	281.5
142.5°	0.0	64.7	157.4	235.7	263.8
145°	0.0	57.1	142.0	215.5	246.0
147.5°	1.4	50.6	127.9	194.0	226.8
150°	1.4	45.5	114.3	172.4	205.3
152.5°	1.4	40.7	100.2	152.2	183.7
155°	1.4	35.6	87.6	131.7	163.5
157.5°	1.4	30.4	73.6	111.5	142.0
160°	1.4	26.7	60.9	93.7	121.8
162.5°	1.4	22.9	49.6	73.6	100.2
165°	1.4	19.2	39.3	54.4	77.3
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)