

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: P#

Luminaire Tested: **8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

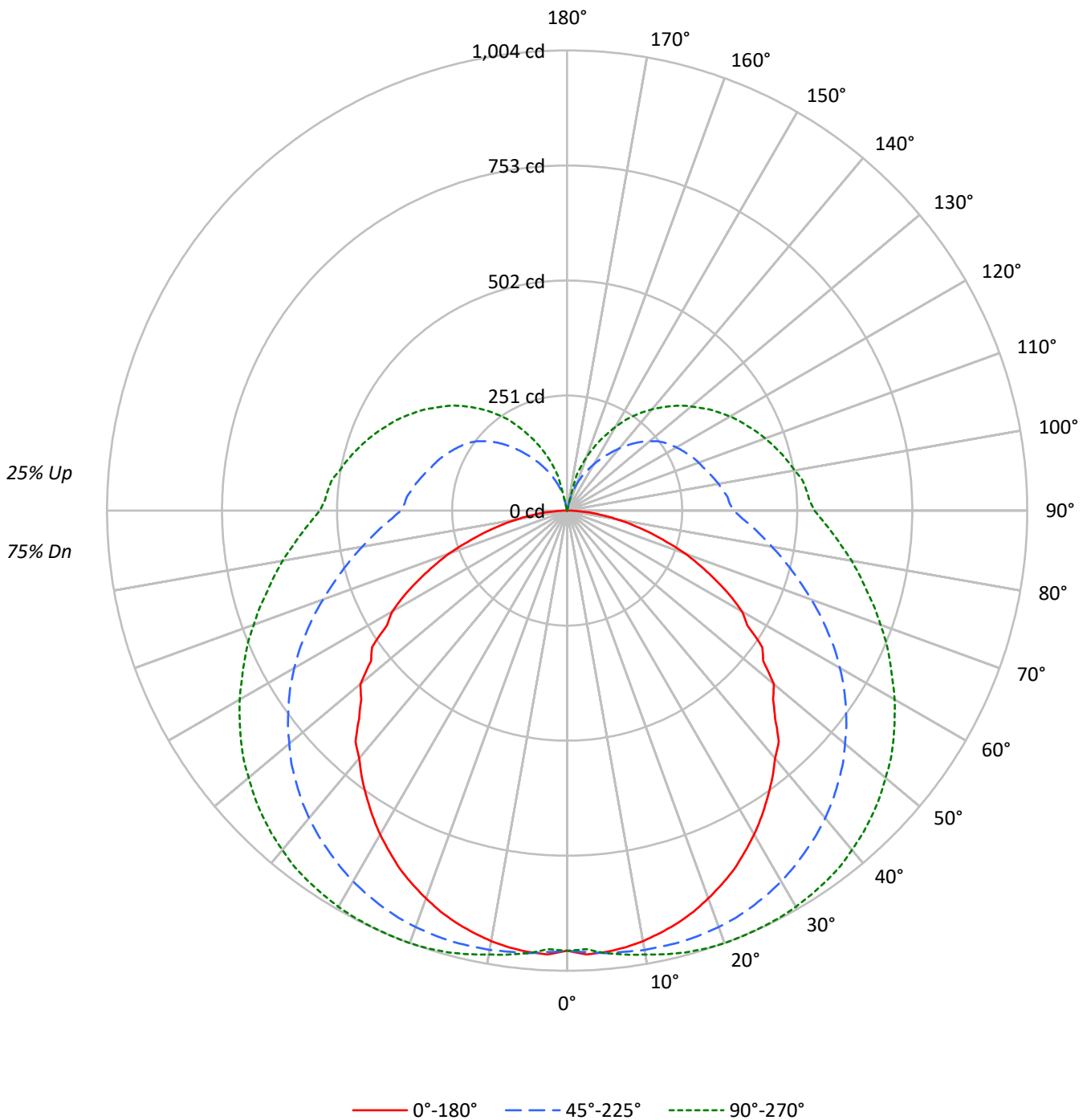
Lumens per Lamp: N/A
Luminaire Lumens: 5530.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 61
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: P#
CATALOG NUMBER: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U

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	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°	3880	3880	3880
5°	3916	3839	3807
10°	3903	3808	3785
15°	3881	3791	3793
20°	3850	3777	3800
25°	3819	3767	3806
30°	3774	3759	3827
35°	3722	3748	3852
40°	3674	3750	3878
45°	3611	3746	3909
50°	3633	3742	3939
55°	3582	3747	3987
60°	3466	3756	4041
65°	3294	3767	4116
70°	3106	3804	4232
75°	2760	3904	4402
80°	2390	4109	4687
85°	1892	4518	5102



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	1.7
10°-20°	273.6	4.9
20°-30°	434.8	7.9
30°-40°	558.0	10.1
40°-50°	630.1	11.4
50°-60°	643.0	11.6
60°-70°	595.7	10.8
70°-80°	504.3	9.1
80°-90°	402.6	7.3
90°-100°	341.8	6.2
100°-110°	304.6	5.5
110°-120°	259.4	4.7
120°-130°	206.0	3.7
130°-140°	146.2	2.6
140°-150°	87.3	1.6
150°-160°	40.7	0.7
160°-170°	9.7	0.2
170°-180°	0.0	0.0
0°-30°	800.7	14.5
0°-40°	1358.7	24.6
0°-60°	2631.8	47.6
0°-90°	4134.4	74.8
90°-120°	905.8	16.4
90°-150°	1345.2	24.3
90°-180°	1396.0	25.2
0°-180°	5530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	967	959	969	969	969	92
15°	932	940	973	992	998	263
25°	863	891	954	988	1003	397
35°	763	819	907	963	986	478
45°	642	729	837	910	941	499
55°	520	607	742	833	869	456
65°	356	474	628	736	777	353
75°	187	331	508	633	677	199
85°	48	213	405	537	582	52
90°	3	174	362	494	539	4
95°	0	164	351	480	524	0
105°	0	151	320	440	483	0
115°	0	140	291	396	435	0
125°	0	121	259	350	383	0
135°	0	90	208	295	322	0
145°	0	58	146	221	252	1
155°	1	36	90	135	168	1
165°	1	20	40	56	79	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.3	960.3	960.3	960.3	960.3
2.5°	969.4	959.0	964.2	962.9	957.7
5°	966.8	959.0	969.4	969.4	969.4
7.5°	961.6	956.4	970.7	975.9	977.2
10°	953.8	953.8	973.3	981.1	983.7
12.5°	943.4	947.3	973.3	985.0	991.5
15°	931.7	939.5	973.3	991.5	998.0
17.5°	917.4	930.4	970.7	992.8	1001.9
20°	900.5	920.0	966.8	992.8	1004.5
22.5°	882.3	907.0	961.6	990.2	1004.5
25°	862.8	891.4	953.8	987.6	1003.2
27.5°	839.5	875.8	944.7	983.7	1001.9
30°	816.1	857.6	934.3	978.5	998.0
32.5°	790.1	838.2	921.3	970.7	992.8
35°	762.8	818.7	907.0	962.9	986.3
37.5°	735.5	795.3	892.7	952.5	978.5
40°	705.6	771.9	875.8	939.5	966.8
42.5°	683.5	747.2	857.6	926.5	955.1
45°	641.9	729.0	836.9	909.6	940.8
47.5°	609.4	693.9	816.1	892.7	925.2
50°	588.7	665.3	791.4	873.2	907.0
52.5°	539.3	645.8	768.0	853.7	890.1
55°	519.8	606.8	742.0	833.0	869.3
57.5°	466.5	579.6	716.0	809.6	847.2
60°	440.5	541.9	687.4	786.2	825.2
62.5°	400.2	509.4	658.8	760.2	800.5
65°	356.1	474.3	627.6	735.5	777.1
67.5°	314.5	439.2	597.8	709.5	753.7
70°	274.2	402.8	566.6	683.5	727.7
72.5°	227.4	366.4	536.7	658.8	703.0
75°	187.1	331.4	508.1	632.8	677.0
77.5°	148.1	297.6	480.8	609.4	653.6
80°	111.8	265.1	453.5	584.8	630.2
82.5°	78.0	237.8	428.8	561.4	605.5
85°	48.1	213.1	405.4	536.7	582.2
87.5°	22.1	191.0	382.0	513.3	560.1
90°	2.6	174.1	362.5	493.8	539.3
92.5°	1.3	168.9	354.8	484.7	528.9
95°	0.0	163.7	350.9	479.5	523.7
97.5°	0.0	158.5	341.8	471.7	517.2
100°	0.0	155.9	335.3	460.0	504.2
102.5°	0.0	152.0	327.5	449.6	493.8
105°	0.0	150.7	319.7	440.5	483.4
107.5°	0.0	148.1	311.9	428.8	471.7
110°	0.0	145.5	305.4	418.4	460.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-74SL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	142.9	298.9	408.0	448.3
115°	0.0	140.3	291.1	396.3	435.3
117.5°	0.0	136.4	283.3	384.6	423.6
120°	0.0	131.2	275.5	374.2	410.6
122.5°	0.0	126.0	267.7	361.2	396.3
125°	0.0	120.8	258.6	349.6	383.3
127.5°	0.0	113.1	248.2	336.6	367.7
130°	0.0	105.3	235.2	323.6	353.5
132.5°	1.3	97.5	222.2	309.3	339.2
135°	0.0	89.7	207.9	295.0	322.3
137.5°	0.0	83.2	192.3	279.4	305.4
140°	0.0	75.4	176.7	261.2	288.5
142.5°	0.0	66.3	161.1	241.7	270.3
145°	0.0	58.5	145.5	220.9	252.1
147.5°	1.3	52.0	131.2	198.8	232.6
150°	1.3	46.8	117.0	176.7	210.5
152.5°	1.3	41.6	102.7	155.9	188.4
155°	1.3	36.4	89.7	135.1	167.6
157.5°	1.3	31.2	75.4	114.4	145.5
160°	1.3	27.3	62.4	96.2	124.7
162.5°	1.3	23.4	50.7	75.4	102.7
165°	1.3	19.5	40.3	55.9	79.3
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)