

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-LD5-67SL-SLW-UNV-L940-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-LD5-67SL-SLW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

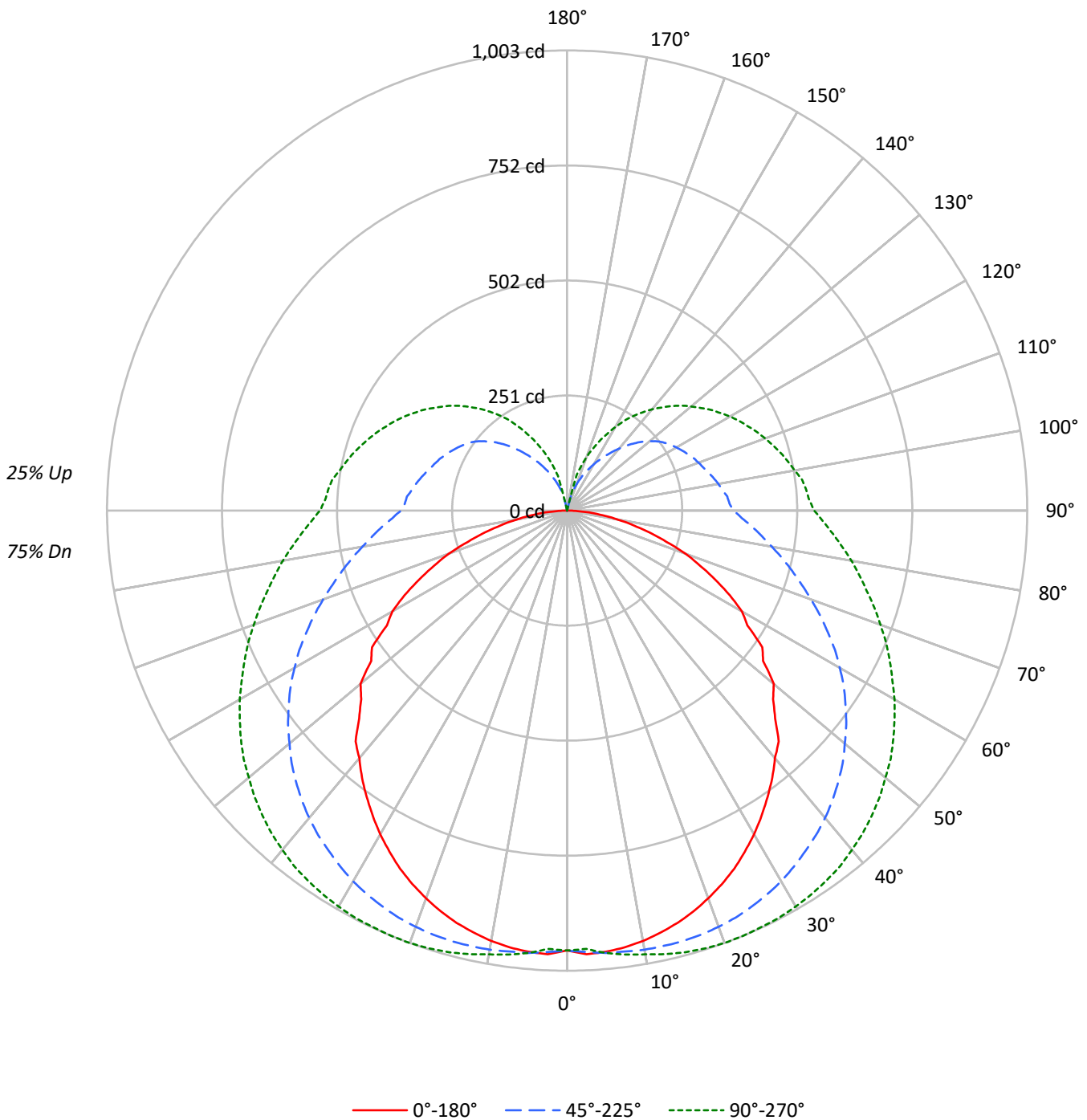
Lumens per Lamp: N/A
Luminaire Lumens: 5522.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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



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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	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°	3874	3874	3874
5°	3910	3833	3801
10°	3897	3802	3780
15°	3876	3785	3787
20°	3845	3772	3794
25°	3813	3761	3801
30°	3768	3754	3821
35°	3716	3743	3847
40°	3668	3744	3872
45°	3606	3741	3903
50°	3627	3736	3933
55°	3576	3742	3981
60°	3461	3751	4035
65°	3289	3761	4110
70°	3101	3798	4226
75°	2757	3899	4396
80°	2385	4104	4680
85°	1888	4511	5094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	1.7
10°-20°	273.2	4.9
20°-30°	434.2	7.9
30°-40°	557.2	10.1
40°-50°	629.2	11.4
50°-60°	642.1	11.6
60°-70°	594.8	10.8
70°-80°	503.6	9.1
80°-90°	402.0	7.3
90°-100°	341.3	6.2
100°-110°	304.1	5.5
110°-120°	259.0	4.7
120°-130°	205.7	3.7
130°-140°	145.9	2.6
140°-150°	87.1	1.6
150°-160°	40.6	0.7
160°-170°	9.6	0.2
170°-180°	0.0	0.0
0°-30°	799.5	14.5
0°-40°	1356.8	24.6
0°-60°	2628.0	47.6
0°-90°	4128.4	74.8
90°-120°	904.5	16.4
90°-150°	1343.3	24.3
90°-180°	1394.0	25.2
0°-180°	5522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	965	958	968	968	968	92
15°	930	938	972	990	996	262
25°	862	890	952	986	1002	397
35°	762	818	906	962	985	477
45°	641	728	836	908	939	498
55°	519	606	741	832	868	456
65°	356	474	627	734	776	353
75°	187	331	507	632	676	199
85°	48	213	405	536	581	52
90°	3	174	362	493	538	4
95°	0	164	350	479	523	0
105°	0	150	319	440	483	0
115°	0	140	291	396	435	0
125°	0	121	258	349	383	0
135°	0	90	208	295	322	0
145°	0	58	145	221	252	1
155°	1	36	90	135	167	1
165°	1	20	40	56	79	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.9	958.9	958.9	958.9	958.9
2.5°	968.0	957.6	962.8	961.5	956.3
5°	965.4	957.6	968.0	968.0	968.0
7.5°	960.2	955.0	969.3	974.5	975.8
10°	952.4	952.4	971.9	979.7	982.3
12.5°	942.0	945.9	971.9	983.6	990.1
15°	930.4	938.2	971.9	990.1	996.5
17.5°	916.1	929.1	969.3	991.4	1000.4
20°	899.2	918.7	965.4	991.4	1003.0
22.5°	881.1	905.7	960.2	988.8	1003.0
25°	861.6	890.1	952.4	986.2	1001.7
27.5°	838.2	874.6	943.3	982.3	1000.4
30°	814.9	856.4	933.0	977.1	996.5
32.5°	788.9	836.9	920.0	969.3	991.4
35°	761.7	817.5	905.7	961.5	984.9
37.5°	734.4	794.1	891.4	951.1	977.1
40°	704.6	770.8	874.6	938.2	965.4
42.5°	682.5	746.1	856.4	925.2	953.7
45°	641.0	727.9	835.6	908.3	939.4
47.5°	608.6	692.9	814.9	891.4	923.9
50°	587.8	664.4	790.2	872.0	905.7
52.5°	538.5	644.9	766.9	852.5	888.8
55°	519.0	606.0	740.9	831.7	868.1
57.5°	465.8	578.7	715.0	808.4	846.0
60°	439.9	541.1	686.4	785.0	824.0
62.5°	399.7	508.7	657.9	759.1	799.3
65°	355.5	473.6	626.7	734.4	776.0
67.5°	314.0	438.6	596.9	708.5	752.6
70°	273.8	402.2	565.7	682.5	726.6
72.5°	227.1	365.9	535.9	657.9	702.0
75°	186.9	330.9	507.4	631.9	676.0
77.5°	147.9	297.1	480.1	608.6	652.7
80°	111.6	264.7	452.9	583.9	629.3
82.5°	77.9	237.5	428.2	560.6	604.7
85°	48.0	212.8	404.8	535.9	581.3
87.5°	22.1	190.7	381.5	512.5	559.3
90°	2.6	173.9	362.0	493.1	538.5
92.5°	1.3	168.7	354.2	484.0	528.1
95°	0.0	163.5	350.3	478.8	522.9
97.5°	0.0	158.3	341.3	471.0	516.4
100°	0.0	155.7	334.8	459.3	503.5
102.5°	0.0	151.8	327.0	449.0	493.1
105°	0.0	150.5	319.2	439.9	482.7
107.5°	0.0	147.9	311.4	428.2	471.0
110°	0.0	145.3	304.9	417.8	459.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	142.7	298.4	407.4	447.7
115°	0.0	140.1	290.7	395.8	434.7
117.5°	0.0	136.2	282.9	384.1	423.0
120°	0.0	131.1	275.1	373.7	410.0
122.5°	0.0	125.9	267.3	360.7	395.8
125°	0.0	120.7	258.2	349.0	382.8
127.5°	0.0	112.9	247.8	336.1	367.2
130°	0.0	105.1	234.9	323.1	352.9
132.5°	1.3	97.3	221.9	308.8	338.7
135°	0.0	89.5	207.6	294.6	321.8
137.5°	0.0	83.0	192.0	279.0	304.9
140°	0.0	75.3	176.5	260.8	288.1
142.5°	0.0	66.2	160.9	241.3	269.9
145°	0.0	58.4	145.3	220.6	251.7
147.5°	1.3	51.9	131.1	198.5	232.3
150°	1.3	46.7	116.8	176.5	210.2
152.5°	1.3	41.5	102.5	155.7	188.1
155°	1.3	36.3	89.5	134.9	167.4
157.5°	1.3	31.1	75.3	114.2	145.3
160°	1.3	27.2	62.3	96.0	124.6
162.5°	1.3	23.4	50.6	75.3	102.5
165°	1.3	19.5	40.2	55.8	79.2
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)