

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

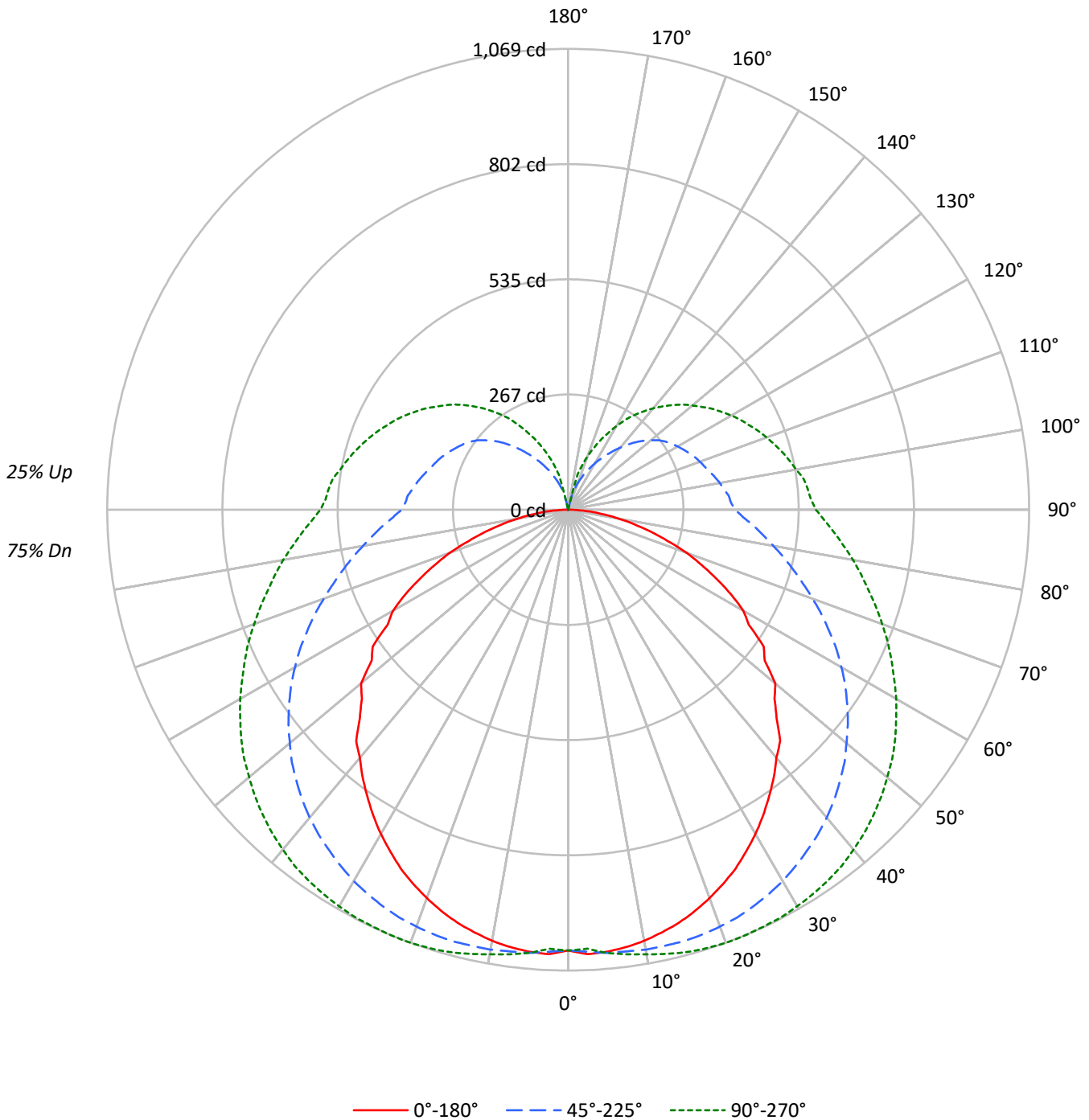
Lumens per Lamp: N/A  
Luminaire Lumens: 5887.1 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

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	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°	4131	4131	4131
5°	4169	4087	4053
10°	4155	4053	4030
15°	4132	4035	4038
20°	4099	4021	4045
25°	4065	4010	4052
30°	4017	4002	4074
35°	3962	3990	4101
40°	3911	3992	4128
45°	3845	3988	4161
50°	3867	3983	4194
55°	3813	3989	4244
60°	3690	3999	4302
65°	3506	4011	4381
70°	3306	4049	4505
75°	2938	4156	4686
80°	2544	4375	4989
85°	2014	4810	5430



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	1.7
10°-20°	291.2	4.9
20°-30°	462.9	7.9
30°-40°	594.1	10.1
40°-50°	670.8	11.4
50°-60°	684.5	11.6
60°-70°	634.1	10.8
70°-80°	536.9	9.1
80°-90°	428.6	7.3
90°-100°	363.9	6.2
100°-110°	324.2	5.5
110°-120°	276.2	4.7
120°-130°	219.4	3.7
130°-140°	155.6	2.6
140°-150°	92.9	1.6
150°-160°	43.3	0.7
160°-170°	10.3	0.2
170°-180°	0.0	0.0
0°-30°	852.4	14.5
0°-40°	1446.4	24.6
0°-60°	2801.8	47.6
0°-90°	4401.3	74.8
90°-120°	964.3	16.4
90°-150°	1432.1	24.3
90°-180°	1486.0	25.2
0°-180°	5887.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1029	1021	1032	1032	1032	98
15°	992	1000	1036	1056	1062	280
25°	918	949	1015	1051	1068	423
35°	812	872	966	1025	1050	508
45°	683	776	891	968	1002	531
55°	553	646	790	887	926	486
65°	379	505	668	783	827	376
75°	199	353	541	674	721	212
85°	51	227	432	571	620	56
90°	3	185	386	526	574	4
95°	0	174	374	510	558	0
105°	0	160	340	469	515	0
115°	0	149	310	422	463	0
125°	0	129	275	372	408	0
135°	0	96	221	314	343	0
145°	0	62	155	235	268	1
155°	1	39	96	144	178	1
165°	1	21	43	60	84	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°	1022.3	1022.3	1022.3	1022.3	1022.3
2.5°	1032.0	1020.9	1026.4	1025.1	1019.5
5°	1029.2	1020.9	1032.0	1032.0	1032.0
7.5°	1023.7	1018.1	1033.4	1038.9	1040.3
10°	1015.4	1015.4	1036.1	1044.4	1047.2
12.5°	1004.3	1008.5	1036.1	1048.6	1055.5
15°	991.9	1000.2	1036.1	1055.5	1062.4
17.5°	976.6	990.5	1033.4	1056.9	1066.6
20°	958.7	979.4	1029.2	1056.9	1069.3
22.5°	939.3	965.6	1023.7	1054.1	1069.3
25°	918.5	949.0	1015.4	1051.3	1067.9
27.5°	893.6	932.4	1005.7	1047.2	1066.6
30°	868.7	913.0	994.6	1041.7	1062.4
32.5°	841.1	892.3	980.8	1033.4	1056.9
35°	812.0	871.5	965.6	1025.1	1050.0
37.5°	783.0	846.6	950.4	1014.0	1041.7
40°	751.2	821.7	932.4	1000.2	1029.2
42.5°	727.6	795.4	913.0	986.3	1016.8
45°	683.4	776.1	890.9	968.3	1001.5
47.5°	648.8	738.7	868.7	950.4	984.9
50°	626.7	708.3	842.5	929.6	965.6
52.5°	574.1	687.5	817.6	908.9	947.6
55°	553.3	646.0	789.9	886.7	925.5
57.5°	496.6	617.0	762.2	861.8	901.9
60°	469.0	576.9	731.8	836.9	878.4
62.5°	426.1	542.3	701.4	809.3	852.1
65°	379.0	504.9	668.2	783.0	827.2
67.5°	334.8	467.6	636.3	755.3	802.3
70°	291.9	428.8	603.1	727.6	774.7
72.5°	242.1	390.1	571.3	701.4	748.4
75°	199.2	352.8	540.9	673.7	720.7
77.5°	157.7	316.8	511.8	648.8	695.8
80°	119.0	282.2	482.8	622.5	670.9
82.5°	83.0	253.2	456.5	597.6	644.6
85°	51.2	226.9	431.6	571.3	619.7
87.5°	23.5	203.4	406.7	546.4	596.2
90°	2.8	185.4	386.0	525.7	574.1
92.5°	1.4	179.8	377.7	516.0	563.0
95°	0.0	174.3	373.5	510.5	557.5
97.5°	0.0	168.8	363.8	502.2	550.6
100°	0.0	166.0	356.9	489.7	536.7
102.5°	0.0	161.9	348.6	478.6	525.7
105°	0.0	160.5	340.3	469.0	514.6
107.5°	0.0	157.7	332.0	456.5	502.2
110°	0.0	154.9	325.1	445.4	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	152.2	318.2	434.4	477.3
115°	0.0	149.4	309.9	421.9	463.4
117.5°	0.0	145.3	301.6	409.5	451.0
120°	0.0	139.7	293.3	398.4	437.1
122.5°	0.0	134.2	285.0	384.6	421.9
125°	0.0	128.7	275.3	372.1	408.1
127.5°	0.0	120.4	264.2	358.3	391.5
130°	0.0	112.1	250.4	344.5	376.3
132.5°	1.4	103.8	236.6	329.2	361.1
135°	0.0	95.5	221.3	314.0	343.1
137.5°	0.0	88.5	204.7	297.4	325.1
140°	0.0	80.2	188.1	278.1	307.1
142.5°	0.0	70.6	171.5	257.3	287.7
145°	0.0	62.3	154.9	235.2	268.4
147.5°	1.4	55.3	139.7	211.7	247.6
150°	1.4	49.8	124.5	188.1	224.1
152.5°	1.4	44.3	109.3	166.0	200.6
155°	1.4	38.7	95.5	143.9	178.5
157.5°	1.4	33.2	80.2	121.7	154.9
160°	1.4	29.1	66.4	102.4	132.8
162.5°	1.4	24.9	54.0	80.2	109.3
165°	1.4	20.8	42.9	59.5	84.4
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)