

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-LD5-54SL-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-LD5-54SL-SLW-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

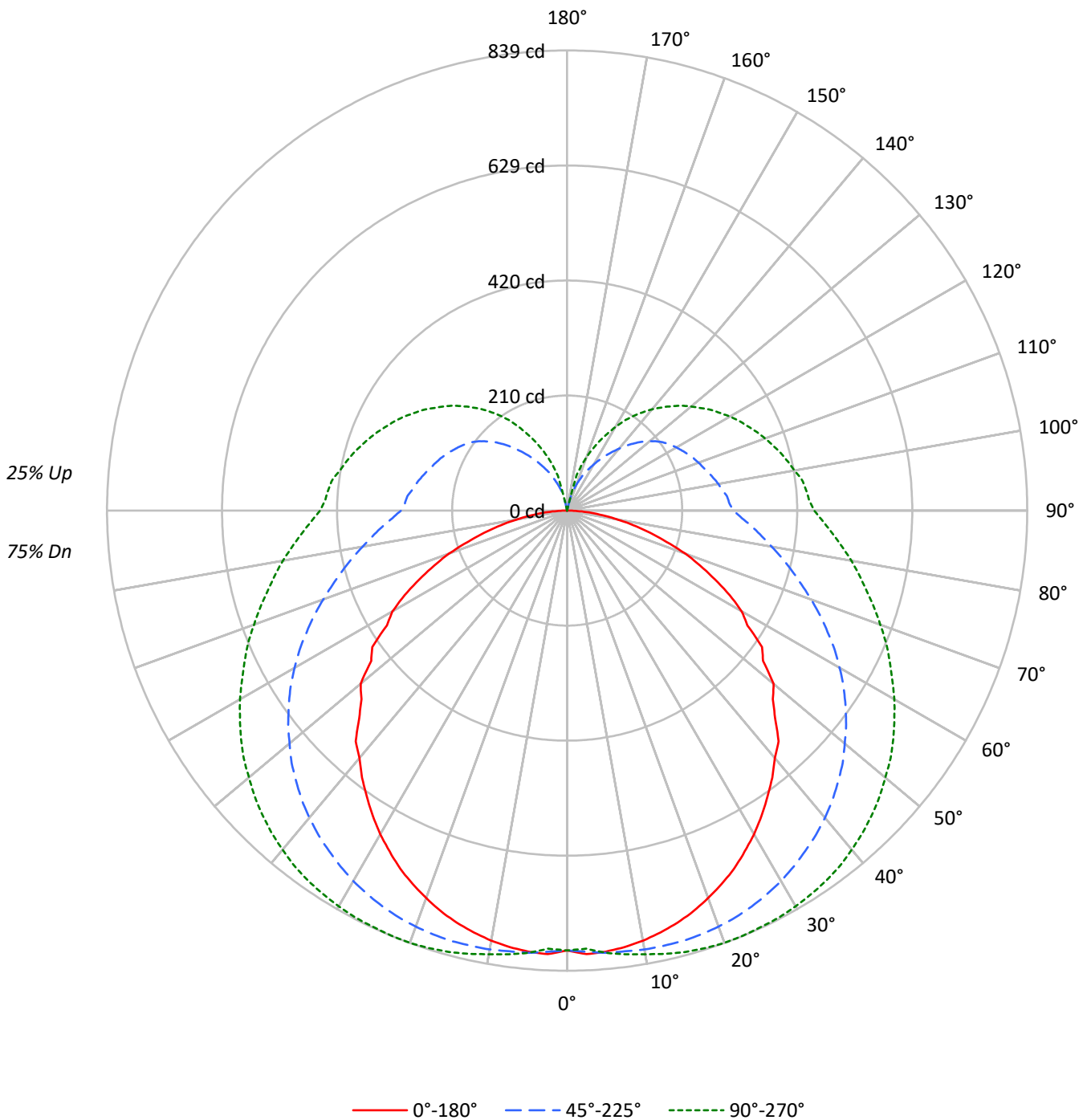
Lumens per Lamp: N/A  
Luminaire Lumens: 4617.0 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 42  
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°	3240	3240	3240
5°	3269	3205	3178
10°	3258	3179	3160
15°	3240	3165	3167
20°	3214	3153	3172
25°	3188	3145	3178
30°	3150	3139	3195
35°	3107	3130	3217
40°	3067	3130	3238
45°	3016	3128	3263
50°	3033	3124	3289
55°	2991	3129	3328
60°	2894	3136	3374
65°	2750	3145	3437
70°	2593	3176	3534
75°	2304	3259	3675
80°	1994	3430	3913
85°	1577	3772	4259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	1.7
10°-20°	228.4	4.9
20°-30°	363.0	7.9
30°-40°	465.9	10.1
40°-50°	526.1	11.4
50°-60°	536.8	11.6
60°-70°	497.3	10.8
70°-80°	421.0	9.1
80°-90°	336.1	7.3
90°-100°	285.4	6.2
100°-110°	254.3	5.5
110°-120°	216.6	4.7
120°-130°	172.0	3.7
130°-140°	122.0	2.6
140°-150°	72.9	1.6
150°-160°	34.0	0.7
160°-170°	8.1	0.2
170°-180°	0.0	0.0
0°-30°	668.5	14.5
0°-40°	1134.4	24.6
0°-60°	2197.3	47.6
0°-90°	3451.8	74.8
90°-120°	756.2	16.4
90°-150°	1123.2	24.3
90°-180°	1165.0	25.2
0°-180°	4617.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	807	801	809	809	809	77
15°	778	784	813	828	833	219
25°	720	744	796	824	838	332
35°	637	684	757	804	824	399
45°	536	609	699	759	786	416
55°	434	507	620	695	726	381
65°	297	396	524	614	649	295
75°	156	277	424	528	565	166
85°	40	178	338	448	486	44
90°	2	145	303	412	450	3
95°	0	137	293	400	437	0
105°	0	126	267	368	404	0
115°	0	117	243	331	363	0
125°	0	101	216	292	320	0
135°	0	75	174	246	269	0
145°	0	49	122	184	210	0
155°	1	30	75	113	140	1
165°	1	16	34	47	66	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°	801.8	801.8	801.8	801.8	801.8
2.5°	809.4	800.7	805.0	803.9	799.6
5°	807.2	800.7	809.4	809.4	809.4
7.5°	802.8	798.5	810.4	814.8	815.9
10°	796.3	796.3	812.6	819.1	821.3
12.5°	787.7	790.9	812.6	822.4	827.8
15°	777.9	784.4	812.6	827.8	833.2
17.5°	766.0	776.8	810.4	828.9	836.5
20°	751.8	768.1	807.2	828.9	838.6
22.5°	736.7	757.3	802.8	826.7	838.6
25°	720.4	744.3	796.3	824.5	837.6
27.5°	700.9	731.2	788.7	821.3	836.5
30°	681.3	716.0	780.1	816.9	833.2
32.5°	659.6	699.8	769.2	810.4	828.9
35°	636.8	683.5	757.3	803.9	823.5
37.5°	614.1	664.0	745.3	795.2	816.9
40°	589.1	644.4	731.2	784.4	807.2
42.5°	570.7	623.8	716.0	773.5	797.4
45°	536.0	608.6	698.7	759.4	785.5
47.5°	508.8	579.3	681.3	745.3	772.5
50°	491.5	555.5	660.7	729.1	757.3
52.5°	450.2	539.2	641.2	712.8	743.2
55°	434.0	506.7	619.5	695.4	725.8
57.5°	389.5	483.9	597.8	675.9	707.4
60°	367.8	452.4	573.9	656.4	688.9
62.5°	334.2	425.3	550.1	634.7	668.3
65°	297.3	396.0	524.0	614.1	648.8
67.5°	262.6	366.7	499.1	592.4	629.3
70°	228.9	336.3	473.0	570.7	607.6
72.5°	189.9	305.9	448.1	550.1	586.9
75°	156.2	276.7	424.2	528.4	565.2
77.5°	123.7	248.4	401.4	508.8	545.7
80°	93.3	221.3	378.6	488.2	526.2
82.5°	65.1	198.5	358.0	468.7	505.6
85°	40.1	177.9	338.5	448.1	486.0
87.5°	18.4	159.5	319.0	428.5	467.6
90°	2.2	145.4	302.7	412.3	450.2
92.5°	1.1	141.0	296.2	404.7	441.6
95°	0.0	136.7	292.9	400.3	437.2
97.5°	0.0	132.4	285.3	393.8	431.8
100°	0.0	130.2	279.9	384.1	420.9
102.5°	0.0	126.9	273.4	375.4	412.3
105°	0.0	125.9	266.9	367.8	403.6
107.5°	0.0	123.7	260.4	358.0	393.8
110°	0.0	121.5	255.0	349.3	384.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	119.3	249.5	340.7	374.3
115°	0.0	117.2	243.0	330.9	363.4
117.5°	0.0	113.9	236.5	321.1	353.7
120°	0.0	109.6	230.0	312.5	342.8
122.5°	0.0	105.2	223.5	301.6	330.9
125°	0.0	100.9	215.9	291.8	320.1
127.5°	0.0	94.4	207.2	281.0	307.0
130°	0.0	87.9	196.4	270.1	295.1
132.5°	1.1	81.4	185.5	258.2	283.2
135°	0.0	74.9	173.6	246.3	269.1
137.5°	0.0	69.4	160.6	233.3	255.0
140°	0.0	62.9	147.5	218.1	240.9
142.5°	0.0	55.3	134.5	201.8	225.7
145°	0.0	48.8	121.5	184.4	210.5
147.5°	1.1	43.4	109.6	166.0	194.2
150°	1.1	39.1	97.6	147.5	175.8
152.5°	1.1	34.7	85.7	130.2	157.3
155°	1.1	30.4	74.9	112.8	140.0
157.5°	1.1	26.0	62.9	95.5	121.5
160°	1.1	22.8	52.1	80.3	104.2
162.5°	1.1	19.5	42.3	62.9	85.7
165°	1.1	16.3	33.6	46.7	66.2
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)