

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-LD5-61SL-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-LD5-61SL-SLW-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

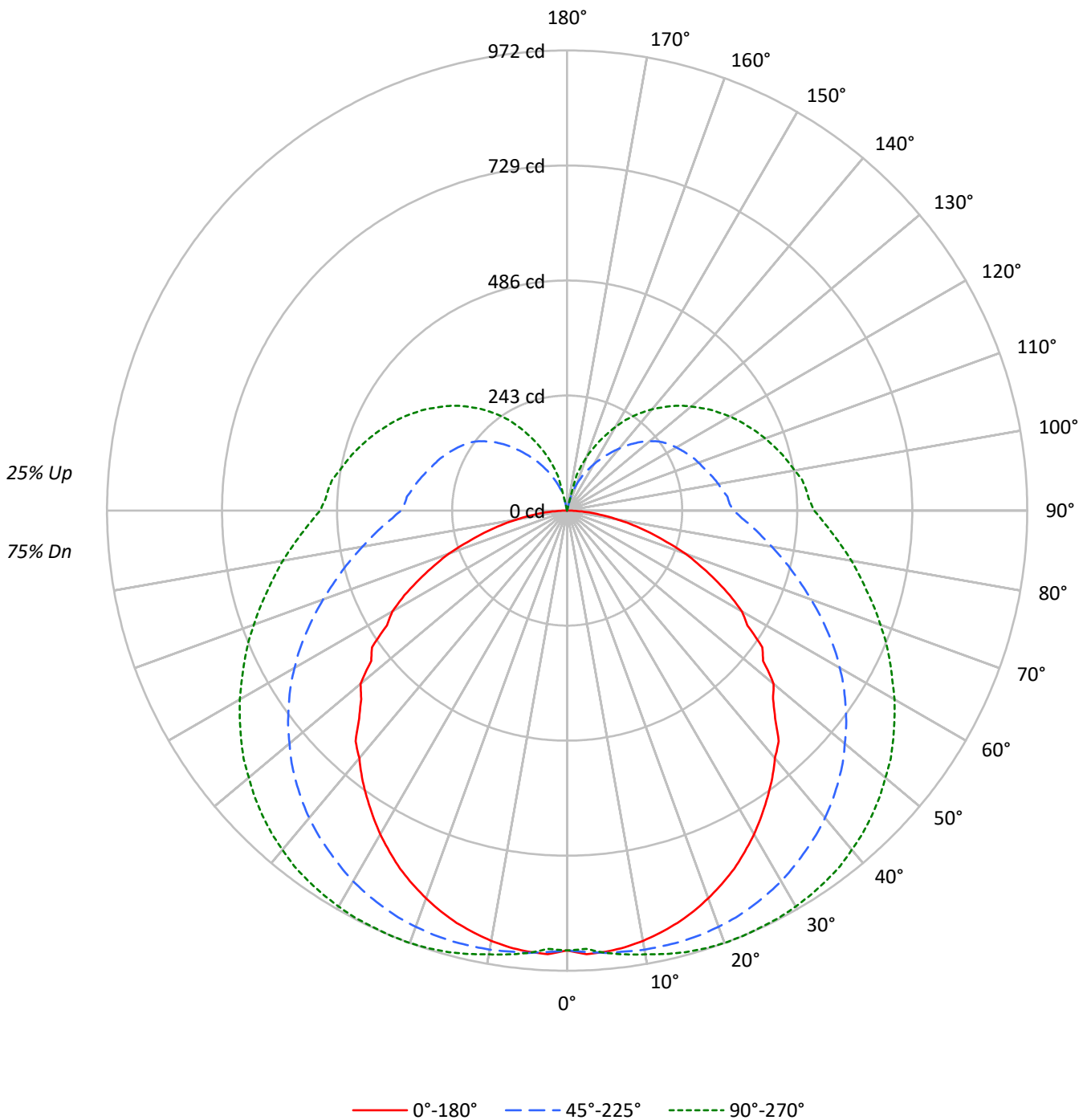
Lumens per Lamp: N/A  
Luminaire Lumens: 5351.0 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 50  
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-LD5-61SL-SLW-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-SLW-UNV-L950-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°	3754	3754	3754
5°	3789	3715	3684
10°	3776	3684	3663
15°	3756	3668	3670
20°	3726	3655	3677
25°	3695	3645	3683
30°	3651	3638	3703
35°	3601	3627	3728
40°	3555	3628	3752
45°	3495	3625	3782
50°	3515	3621	3812
55°	3466	3626	3858
60°	3354	3635	3910
65°	3187	3645	3983
70°	3005	3680	4095
75°	2671	3777	4260
80°	2311	3976	4535
85°	1829	4372	4936



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-SLW-UNV-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	1.7
10°-20°	264.7	4.9
20°-30°	420.7	7.9
30°-40°	540.0	10.1
40°-50°	609.8	11.4
50°-60°	622.2	11.6
60°-70°	576.4	10.8
70°-80°	488.0	9.1
80°-90°	389.5	7.3
90°-100°	330.8	6.2
100°-110°	294.7	5.5
110°-120°	251.0	4.7
120°-130°	199.4	3.7
130°-140°	141.4	2.6
140°-150°	84.4	1.6
150°-160°	39.4	0.7
160°-170°	9.3	0.2
170°-180°	0.0	0.0
0°-30°	774.8	14.5
0°-40°	1314.7	24.6
0°-60°	2546.7	47.6
0°-90°	4000.6	74.8
90°-120°	876.5	16.4
90°-150°	1301.7	24.3
90°-180°	1350.0	25.2
0°-180°	5351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	929	929	929	929	929	
5°	936	928	938	938	938	89
15°	902	909	942	959	966	254
25°	835	863	923	956	971	384
35°	738	792	878	932	954	462
45°	621	705	810	880	910	482
55°	503	587	718	806	841	442
65°	344	459	607	712	752	342
75°	181	321	492	612	655	193
85°	46	206	392	519	563	51
90°	2	168	351	478	522	4
95°	0	158	340	464	507	0
105°	0	146	309	426	468	0
115°	0	136	282	384	421	0
125°	0	117	250	338	371	0
135°	0	87	201	285	312	0
145°	0	57	141	214	244	1
155°	1	35	87	131	162	1
165°	1	19	39	54	77	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-SLW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	929.2	929.2	929.2	929.2	929.2
2.5°	938.0	928.0	933.0	931.7	926.7
5°	935.5	928.0	938.0	938.0	938.0
7.5°	930.5	925.4	939.3	944.3	945.6
10°	922.9	922.9	941.8	949.3	951.9
12.5°	912.9	916.6	941.8	953.1	959.4
15°	901.6	909.1	941.8	959.4	965.7
17.5°	887.7	900.3	939.3	960.7	969.5
20°	871.4	890.2	935.5	960.7	972.0
22.5°	853.8	877.7	930.5	958.1	972.0
25°	834.9	862.6	922.9	955.6	970.7
27.5°	812.3	847.5	914.1	951.9	969.5
30°	789.6	829.9	904.1	946.8	965.7
32.5°	764.5	811.0	891.5	939.3	960.7
35°	738.1	792.2	877.7	931.7	954.4
37.5°	711.7	769.5	863.8	921.7	946.8
40°	682.8	746.9	847.5	909.1	935.5
42.5°	661.4	723.0	829.9	896.5	924.2
45°	621.2	705.4	809.8	880.2	910.4
47.5°	589.7	671.5	789.6	863.8	895.3
50°	569.6	643.8	765.8	845.0	877.7
52.5°	521.8	624.9	743.1	826.1	861.3
55°	503.0	587.2	718.0	806.0	841.2
57.5°	451.4	560.8	692.8	783.4	819.8
60°	426.3	524.3	665.2	760.7	798.4
62.5°	387.3	492.9	637.5	735.6	774.6
65°	344.5	459.0	607.3	711.7	751.9
67.5°	304.3	425.0	578.4	686.5	729.3
70°	265.3	389.8	548.2	661.4	704.1
72.5°	220.0	354.6	519.3	637.5	680.3
75°	181.1	320.6	491.6	612.4	655.1
77.5°	143.3	287.9	465.2	589.7	632.5
80°	108.1	256.5	438.8	565.8	609.8
82.5°	75.4	230.1	414.9	543.2	585.9
85°	46.5	206.2	392.3	519.3	563.3
87.5°	21.4	184.8	369.7	496.7	541.9
90°	2.5	168.5	350.8	477.8	521.8
92.5°	1.3	163.5	343.3	469.0	511.8
95°	0.0	158.4	339.5	464.0	506.7
97.5°	0.0	153.4	330.7	456.4	500.4
100°	0.0	150.9	324.4	445.1	487.9
102.5°	0.0	147.1	316.9	435.1	477.8
105°	0.0	145.9	309.3	426.3	467.8
107.5°	0.0	143.3	301.8	414.9	456.4
110°	0.0	140.8	295.5	404.9	445.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-SLW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	138.3	289.2	394.8	433.8
115°	0.0	135.8	281.7	383.5	421.2
117.5°	0.0	132.0	274.1	372.2	409.9
120°	0.0	127.0	266.6	362.1	397.3
122.5°	0.0	122.0	259.0	349.6	383.5
125°	0.0	116.9	250.2	338.2	370.9
127.5°	0.0	109.4	240.2	325.7	355.8
130°	0.0	101.8	227.6	313.1	342.0
132.5°	1.3	94.3	215.0	299.3	328.2
135°	0.0	86.8	201.2	285.4	311.8
137.5°	0.0	80.5	186.1	270.3	295.5
140°	0.0	72.9	171.0	252.7	279.1
142.5°	0.0	64.1	155.9	233.9	261.5
145°	0.0	56.6	140.8	213.8	243.9
147.5°	1.3	50.3	127.0	192.4	225.1
150°	1.3	45.3	113.2	171.0	203.7
152.5°	1.3	40.2	99.3	150.9	182.3
155°	1.3	35.2	86.8	130.8	162.2
157.5°	1.3	30.2	72.9	110.7	140.8
160°	1.3	26.4	60.4	93.0	120.7
162.5°	1.3	22.6	49.0	72.9	99.3
165°	1.3	18.9	39.0	54.1	76.7
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)