

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-LD5-60SL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-60SL-SLC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

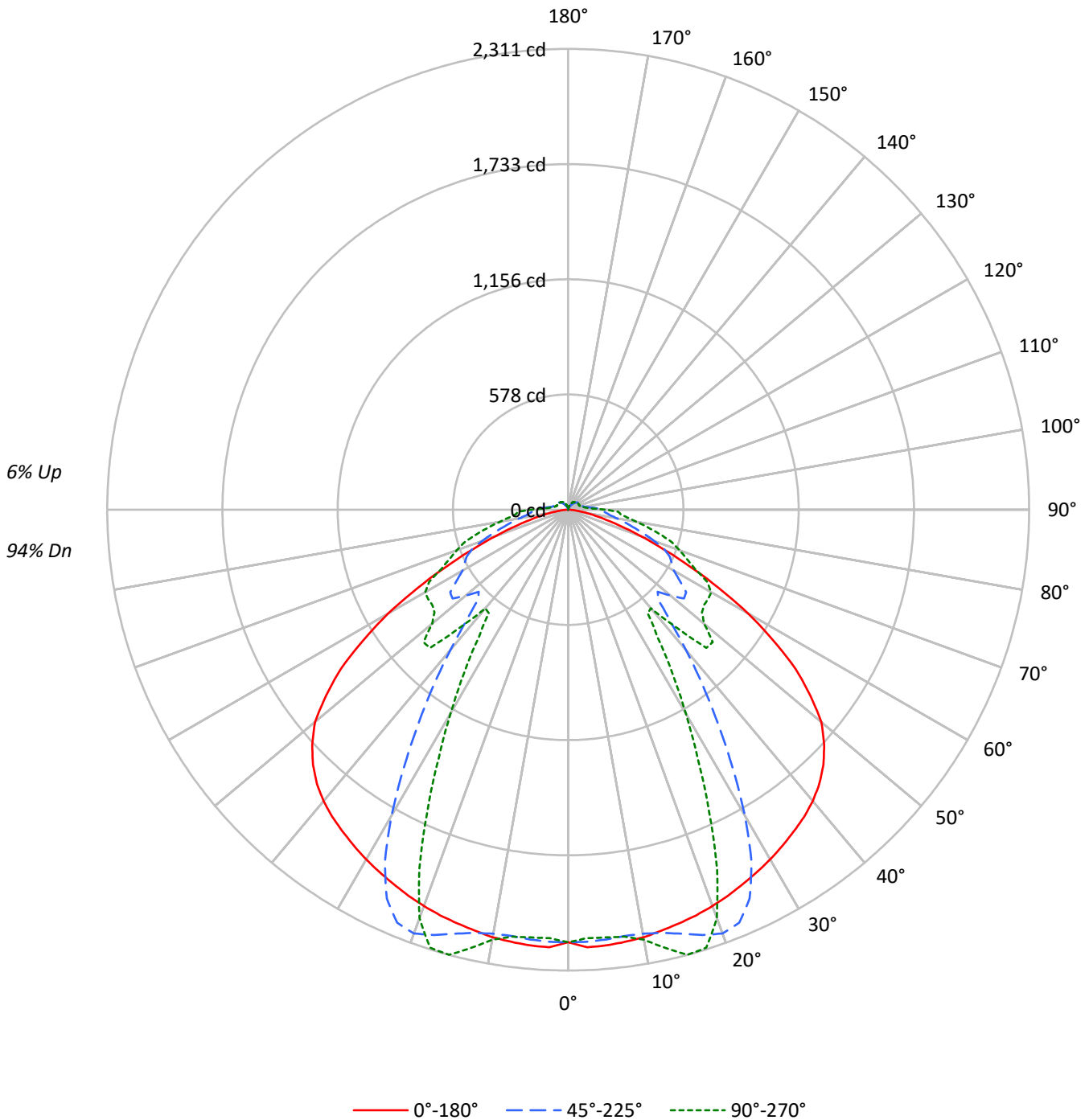
Lumens per Lamp: N/A
Luminaire Lumens: 5573.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8766	8766	8766
5°	8885	8569	8456
10°	8908	8446	8426
15°	8945	8573	8782
20°	9042	8836	8243
25°	9169	8499	6348
30°	9366	7125	4515
35°	9615	5402	3057
40°	9930	3931	2589
45°	10180	2855	4070
50°	10224	3165	3862
55°	9589	3647	3814
60°	8206	3343	4054
65°	6210	3378	3708
70°	4395	3082	3452
75°	2918	2590	3098
80°	1909	2228	2578
85°	1097	2130	2314



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	3.7
10°-20°	623.3	11.2
20°-30°	905.5	16.2
30°-40°	865.1	15.5
40°-50°	791.3	14.2
50°-60°	730.7	13.1
60°-70°	580.4	10.4
70°-80°	358.2	6.4
80°-90°	195.1	3.5
90°-100°	98.6	1.8
100°-110°	62.0	1.1
110°-120°	52.5	0.9
120°-130°	42.9	0.8
130°-140°	30.8	0.6
140°-150°	19.0	0.3
150°-160°	9.0	0.2
160°-170°	2.3	0.0
170°-180°	0.0	0.0
0°-30°	1735.2	31.1
0°-40°	2600.3	46.7
0°-60°	4122.4	74.0
0°-90°	5256.1	94.3
90°-120°	213.0	3.8
90°-150°	305.6	5.5
90°-180°	317.0	5.7
0°-180°	5573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2170	2170	2170	2170	2170	
5°	2194	2160	2164	2152	2153	209
15°	2147	2119	2201	2283	2311	608
25°	2072	2112	2152	1822	1673	957
35°	1971	1939	1307	900	783	1236
45°	1809	1262	638	813	980	1391
55°	1392	647	722	777	832	1226
65°	671	420	563	684	700	679
75°	198	224	337	447	476	224
85°	28	95	191	260	264	36
90°	1	71	171	203	187	1
95°	0	66	118	105	99	0
105°	0	60	73	66	65	0
115°	0	49	70	62	60	0
125°	1	39	62	60	58	1
135°	1	28	50	55	53	1
145°	1	17	35	44	47	1
155°	2	11	21	28	34	1
165°	2	6	11	13	18	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2169.5	2169.5	2169.5	2169.5	2169.5
2.5°	2196.4	2164.7	2168.6	2161.8	2150.3
5°	2193.5	2159.9	2163.8	2152.2	2153.2
7.5°	2185.8	2151.3	2156.1	2154.1	2159.0
10°	2177.2	2140.7	2159.0	2175.3	2189.7
12.5°	2161.8	2129.2	2173.4	2221.4	2251.1
15°	2147.4	2118.6	2201.2	2282.8	2310.7
17.5°	2133.0	2114.8	2235.8	2306.9	2303.0
20°	2114.8	2112.9	2261.7	2237.7	2179.1
22.5°	2094.6	2113.8	2241.5	2065.8	1950.5
25°	2071.6	2111.9	2152.2	1821.9	1673.0
27.5°	2048.5	2103.2	1989.9	1554.9	1407.9
30°	2025.5	2080.2	1771.0	1310.9	1177.4
32.5°	1998.6	2030.3	1532.8	1094.8	971.9
35°	1970.7	1939.0	1307.1	899.9	782.7
37.5°	1941.9	1807.4	1104.4	728.9	654.0
40°	1907.3	1642.3	918.1	625.2	645.4
42.5°	1864.1	1455.9	753.9	655.9	796.2
45°	1809.4	1261.9	637.7	813.4	979.6
47.5°	1740.2	1075.6	608.9	931.6	983.4
50°	1656.7	904.7	669.4	893.2	889.3
52.5°	1529.9	762.5	730.9	814.4	845.1
55°	1391.6	647.3	722.2	777.0	831.7
57.5°	1216.8	569.5	662.7	769.3	832.7
60°	1043.0	517.6	611.8	768.3	827.9
62.5°	850.9	470.6	585.8	750.1	785.6
65°	671.3	419.7	562.8	683.8	700.1
67.5°	514.8	367.8	522.5	609.8	642.5
70°	388.0	316.9	459.1	553.2	593.5
72.5°	279.5	268.9	393.8	503.2	545.5
75°	197.8	223.8	337.1	446.6	476.4
77.5°	136.4	182.5	289.1	384.2	408.2
80°	89.3	146.0	245.9	330.4	346.7
82.5°	53.8	117.2	213.2	289.1	297.7
85°	27.9	95.1	191.1	260.3	264.1
87.5°	8.6	79.7	178.6	246.8	251.6
90°	1.0	71.1	170.9	202.6	187.3
92.5°	0.0	67.2	147.9	138.3	123.9
95°	0.0	66.3	118.1	104.7	98.9
97.5°	0.0	64.3	97.0	87.4	84.5
100°	0.0	62.4	83.6	76.8	75.9
102.5°	0.0	61.5	75.9	70.1	69.1
105°	0.0	59.5	73.0	66.3	65.3
107.5°	0.0	56.7	71.1	64.3	62.4
110°	0.0	53.8	71.1	63.4	60.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-60SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.9	71.1	62.4	59.5
115°	0.0	49.0	70.1	62.4	59.5
117.5°	1.0	47.1	69.1	62.4	59.5
120°	0.0	45.1	67.2	62.4	58.6
122.5°	1.0	42.3	65.3	61.5	58.6
125°	1.0	39.4	62.4	60.5	57.6
127.5°	1.0	36.5	59.5	58.6	55.7
130°	1.0	33.6	56.7	57.6	54.7
132.5°	1.0	30.7	52.8	55.7	53.8
135°	1.0	27.9	49.9	54.7	52.8
137.5°	1.0	25.0	46.1	51.9	51.9
140°	1.0	22.1	42.3	49.9	50.9
142.5°	1.0	20.2	38.4	48.0	49.0
145°	1.0	17.3	34.6	44.2	47.1
147.5°	1.0	15.4	30.7	40.3	44.2
150°	1.0	13.4	26.9	36.5	40.3
152.5°	1.0	11.5	24.0	31.7	37.5
155°	1.9	10.6	21.1	27.9	33.6
157.5°	1.9	8.6	17.3	24.0	28.8
160°	1.9	7.7	15.4	20.2	25.9
162.5°	1.9	6.7	12.5	17.3	22.1
165°	1.9	5.8	10.6	13.4	18.2
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)