

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-LD5-136SL-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-LD5-136SL-SLW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

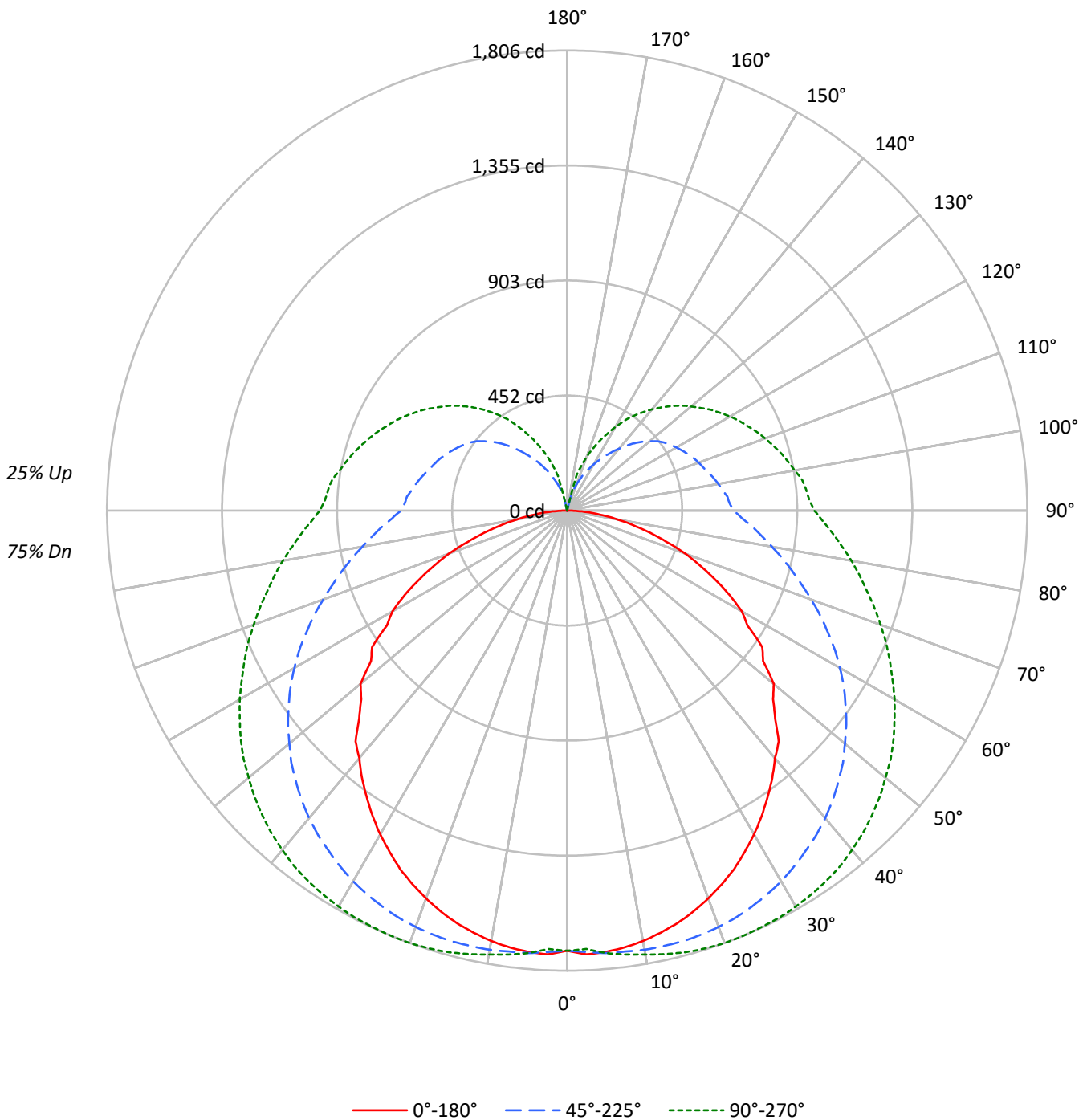
Lumens per Lamp: N/A
Luminaire Lumens: 9945.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 110
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°	6978	6978	6978
5°	7042	6904	6846
10°	7018	6847	6807
15°	6980	6817	6821
20°	6924	6793	6834
25°	6868	6774	6845
30°	6786	6760	6882
35°	6693	6741	6928
40°	6606	6743	6974
45°	6495	6737	7029
50°	6533	6729	7084
55°	6441	6739	7170
60°	6233	6755	7267
65°	5923	6774	7402
70°	5586	6841	7611
75°	4964	7020	7916
80°	4296	7390	8429
85°	3402	8125	9174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	1.7
10°-20°	492.0	4.9
20°-30°	781.9	7.9
30°-40°	1003.6	10.1
40°-50°	1133.3	11.4
50°-60°	1156.3	11.6
60°-70°	1071.3	10.8
70°-80°	906.9	9.1
80°-90°	724.0	7.3
90°-100°	614.7	6.2
100°-110°	547.7	5.5
110°-120°	466.5	4.7
120°-130°	370.5	3.7
130°-140°	262.8	2.6
140°-150°	156.9	1.6
150°-160°	73.1	0.7
160°-170°	17.4	0.2
170°-180°	0.0	0.0
0°-30°	1439.9	14.5
0°-40°	2443.5	24.6
0°-60°	4733.1	47.6
0°-90°	7435.2	74.8
90°-120°	1629.0	16.4
90°-150°	2419.3	24.3
90°-180°	2510.0	25.2
0°-180°	9945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1727	1727	1727	1727	1727	
5°	1739	1725	1743	1743	1743	165
15°	1676	1690	1750	1783	1795	473
25°	1552	1603	1715	1776	1804	714
35°	1372	1472	1631	1732	1774	859
45°	1154	1311	1505	1636	1692	897
55°	935	1091	1334	1498	1563	821
65°	640	853	1129	1323	1398	635
75°	336	596	914	1138	1218	358
85°	86	383	729	965	1047	94
90°	5	313	652	888	970	7
95°	0	294	631	862	942	0
105°	0	271	575	792	869	0
115°	0	252	524	713	783	0
125°	0	217	465	629	689	0
135°	0	161	374	530	580	0
145°	0	105	262	397	453	1
155°	2	65	161	243	302	1
165°	2	35	72	100	143	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1727.0	1727.0	1727.0	1727.0	1727.0
2.5°	1743.3	1724.6	1734.0	1731.7	1722.3
5°	1738.7	1724.6	1743.3	1743.3	1743.3
7.5°	1729.3	1720.0	1745.7	1755.0	1757.4
10°	1715.3	1715.3	1750.3	1764.4	1769.0
12.5°	1696.6	1703.6	1750.3	1771.4	1783.1
15°	1675.6	1689.6	1750.3	1783.1	1794.7
17.5°	1649.9	1673.2	1745.7	1785.4	1801.8
20°	1619.5	1654.5	1738.7	1785.4	1806.4
22.5°	1586.8	1631.2	1729.3	1780.7	1806.4
25°	1551.7	1603.1	1715.3	1776.1	1804.1
27.5°	1509.6	1575.1	1698.9	1769.0	1801.8
30°	1467.6	1542.4	1680.2	1759.7	1794.7
32.5°	1420.8	1507.3	1656.9	1745.7	1785.4
35°	1371.8	1472.3	1631.2	1731.7	1773.7
37.5°	1322.7	1430.2	1605.5	1713.0	1759.7
40°	1268.9	1388.1	1575.1	1689.6	1738.7
42.5°	1229.2	1343.7	1542.4	1666.2	1717.6
45°	1154.4	1311.0	1505.0	1635.8	1691.9
47.5°	1096.0	1247.9	1467.6	1605.5	1663.9
50°	1058.6	1196.5	1423.2	1570.4	1631.2
52.5°	969.8	1161.4	1381.1	1535.4	1600.8
55°	934.8	1091.3	1334.4	1498.0	1563.4
57.5°	839.0	1042.3	1287.6	1455.9	1523.7
60°	792.2	974.5	1236.2	1413.8	1483.9
62.5°	719.8	916.1	1184.8	1367.1	1439.5
65°	640.3	853.0	1128.7	1322.7	1397.5
67.5°	565.5	789.9	1075.0	1276.0	1355.4
70°	493.1	724.4	1018.9	1229.2	1308.7
72.5°	409.0	659.0	965.1	1184.8	1264.3
75°	336.5	595.9	913.7	1138.1	1217.5
77.5°	266.4	535.2	864.7	1096.0	1175.5
80°	201.0	476.7	815.6	1051.6	1133.4
82.5°	140.2	427.7	771.2	1009.5	1089.0
85°	86.5	383.3	729.1	965.1	1046.9
87.5°	39.7	343.5	687.1	923.1	1007.2
90°	4.7	313.1	652.0	888.0	969.8
92.5°	2.3	303.8	638.0	871.7	951.1
95°	0.0	294.5	631.0	862.3	941.8
97.5°	0.0	285.1	614.6	848.3	930.1
100°	0.0	280.4	602.9	827.3	906.7
102.5°	0.0	273.4	588.9	808.6	888.0
105°	0.0	271.1	574.9	792.2	869.3
107.5°	0.0	266.4	560.9	771.2	848.3
110°	0.0	261.7	549.2	752.5	827.3



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CATALOG NUMBER: 8SNLED-LD5-136SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	257.1	537.5	733.8	806.2
115°	0.0	252.4	523.5	712.8	782.9
117.5°	0.0	245.4	509.4	691.7	761.8
120°	0.0	236.0	495.4	673.0	738.5
122.5°	0.0	226.7	481.4	649.7	712.8
125°	0.0	217.3	465.0	628.6	689.4
127.5°	0.0	203.3	446.4	605.3	661.3
130°	0.0	189.3	423.0	581.9	635.6
132.5°	2.3	175.3	399.6	556.2	609.9
135°	0.0	161.2	373.9	530.5	579.6
137.5°	0.0	149.6	345.9	502.4	549.2
140°	0.0	135.5	317.8	469.7	518.8
142.5°	0.0	119.2	289.8	434.7	486.1
145°	0.0	105.2	261.7	397.3	453.4
147.5°	2.3	93.5	236.0	357.5	418.3
150°	2.3	84.1	210.3	317.8	378.6
152.5°	2.3	74.8	184.6	280.4	338.9
155°	2.3	65.4	161.2	243.0	301.5
157.5°	2.3	56.1	135.5	205.6	261.7
160°	2.3	49.1	112.2	172.9	224.3
162.5°	2.3	42.1	91.1	135.5	184.6
165°	2.3	35.1	72.4	100.5	142.6
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)