

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: STREETWORKS

Report Number: P560623

Luminaire Tested: **SDL-PA1-50-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3595.6 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

Input Watts (W): 52.4
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: 24 FT

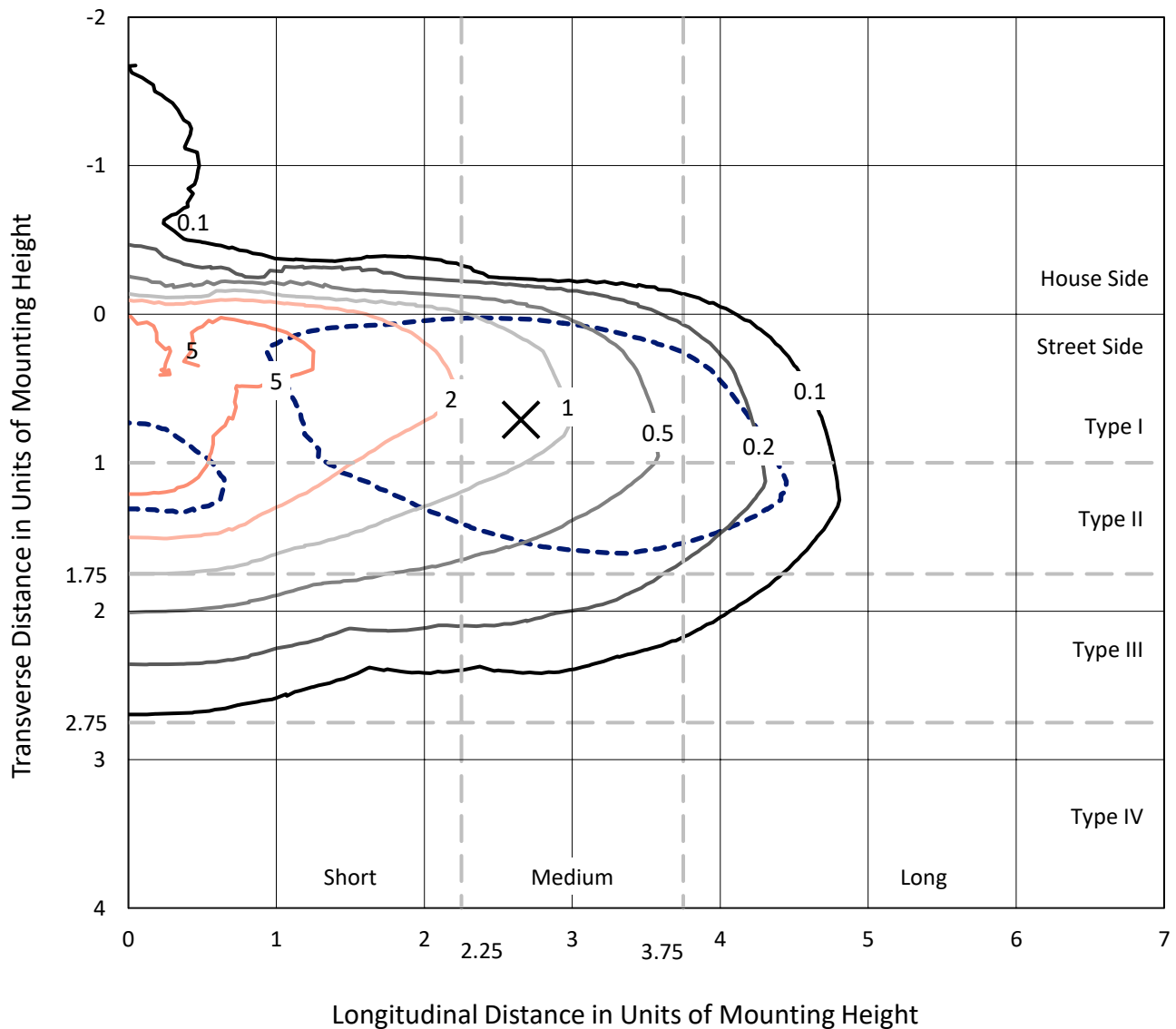


REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

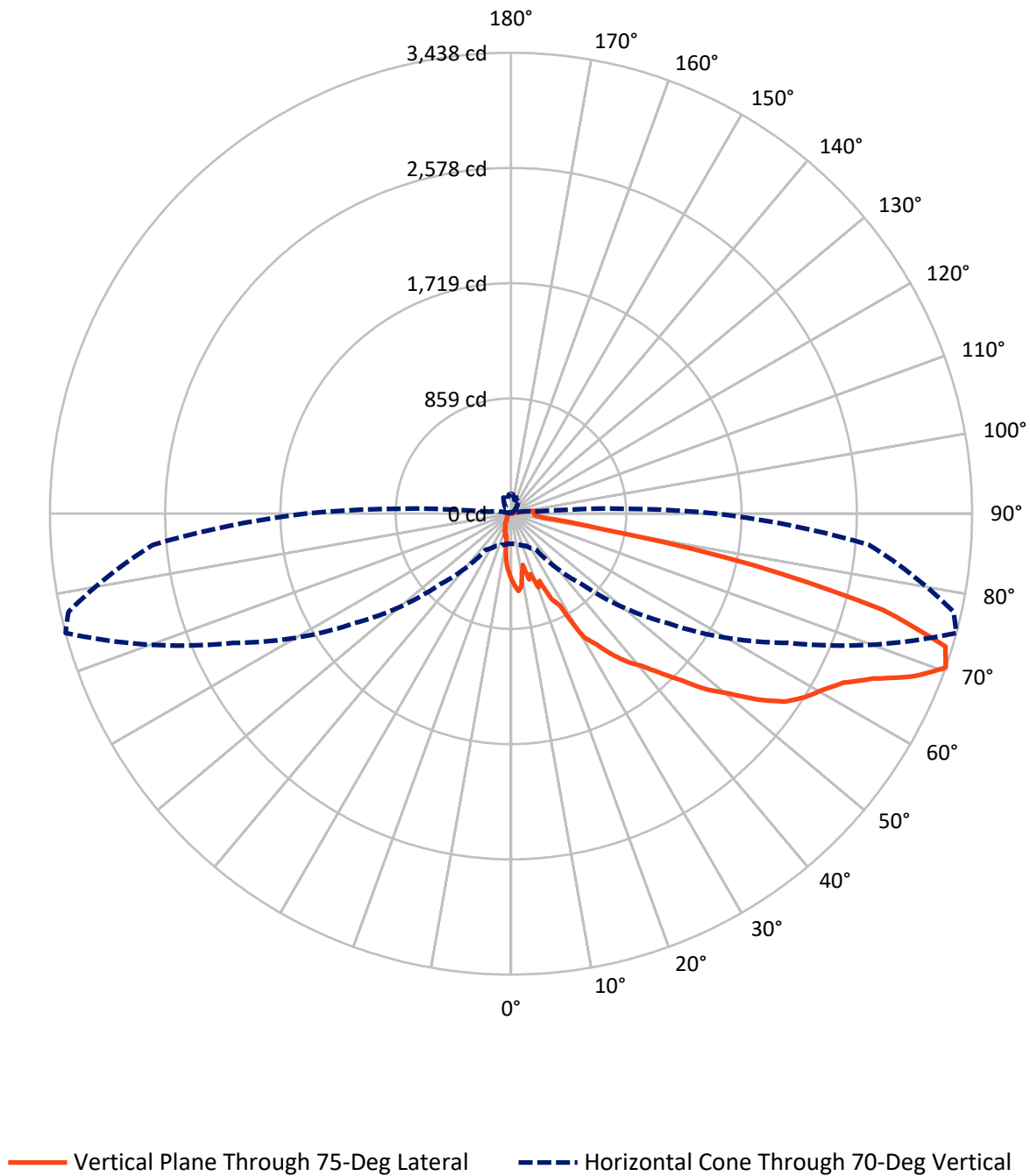


Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type II - Medium - N/A

REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

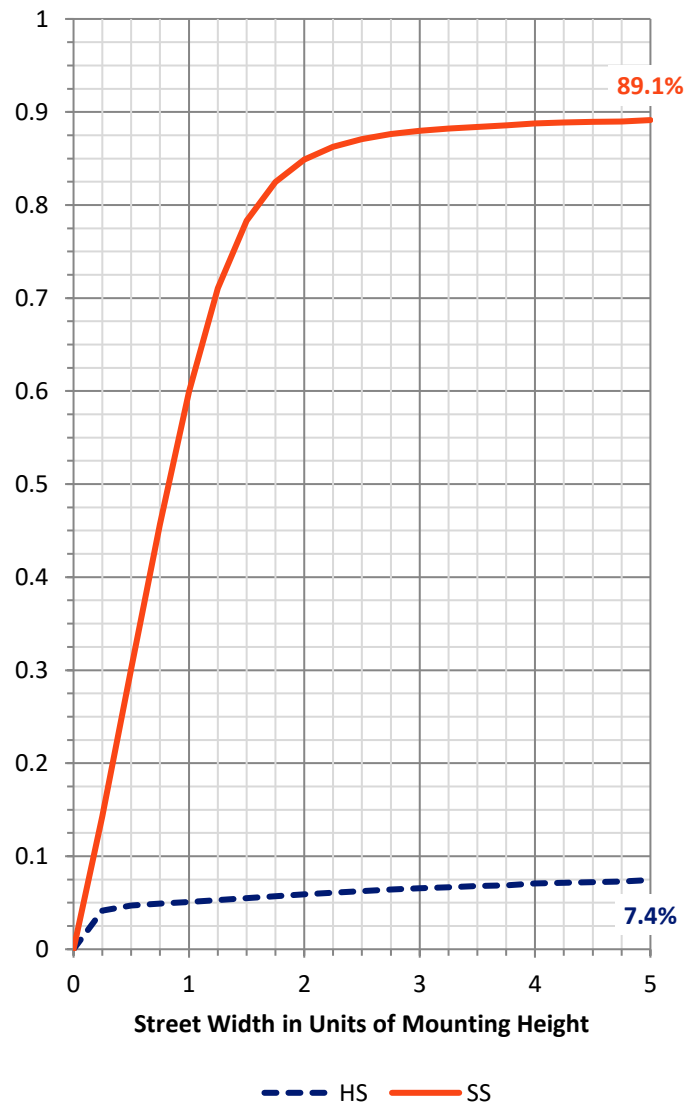
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.0	36.4	329.3
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3220.5	45.8	3266.2
	% Fixture	89.6	1.3	90.8
Total	Lumens	3513.5	82.1	3595.6
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.1
10°-20°	94.8	2.6
20°-30°	177.9	4.9
30°-40°	399.3	11.1
40°-50°	657.2	18.3
50°-60°	805.6	22.4
60°-70°	754.5	21.0
70°-80°	491.4	13.7
80°-90°	93.9	2.6
90°-100°	53.8	1.5
100°-110°	12.1	0.3
110°-120°	6.1	0.2
120°-130°	5.2	0.1
130°-140°	2.5	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3513.5	97.7
0°-180°	3595.6	100.0

Coefficient of Utilization



REPORT NUMBER: P560623

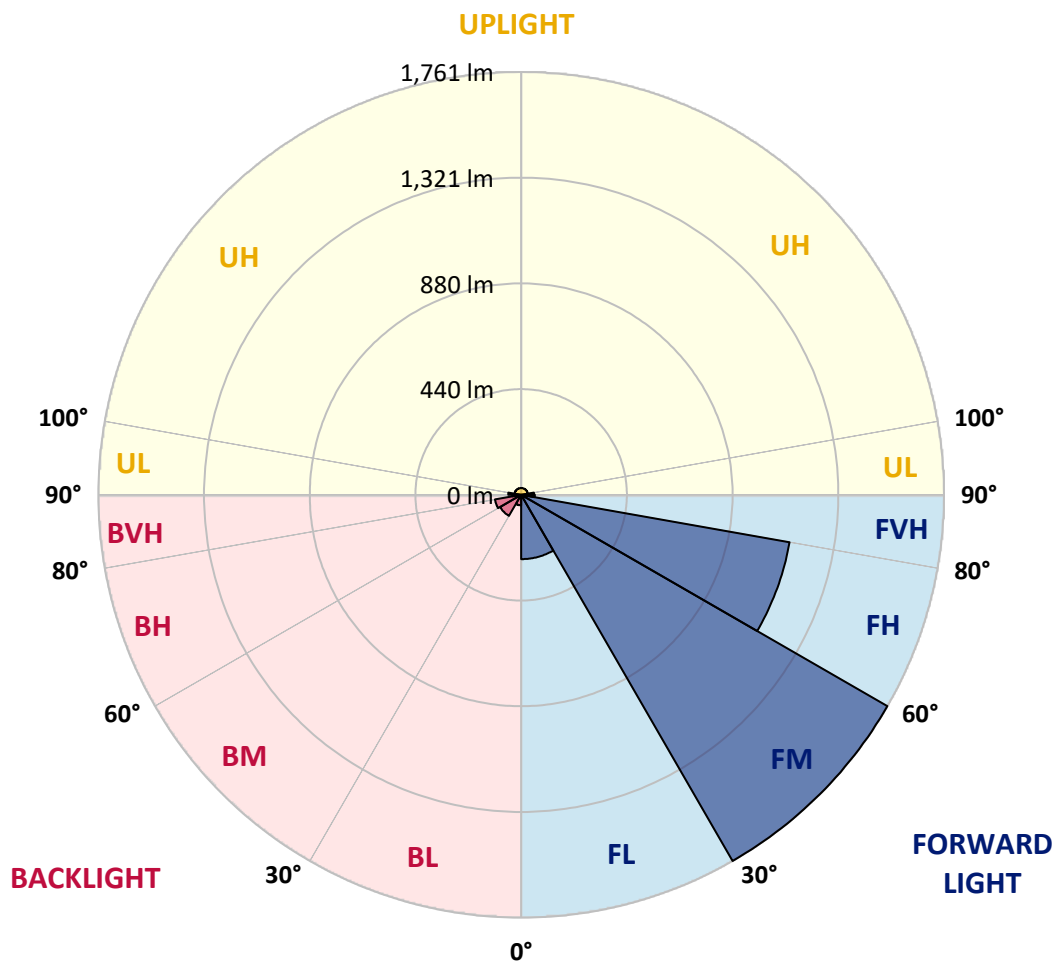
CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.9	7.4			
FM	(30°-60°)	1760.9	49.0			
FH	(60°-80°)	1134.9	31.6			G1/1800
FVH	(80°-90°)	56.8	1.6			G1/100
BL	(0°-30°)	43.8	1.2	B0/110		
BM	(30°-60°)	101.3	2.8	B0/220		
BH	(60°-80°)	110.9	3.1	B1/500		G1/500
BVH	(80°-90°)	37.0	1.0			G1/100
UL	(90°-100°)	53.8	1.5		U3/500	
UH	(100°-180°)	28.3	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	545.8	580.1	590.4	607.6	616.2	605.9	587.0	563.0	537.2	530.4	508.0
5°	619.6	612.7	607.6	607.6	597.3	575.0	554.4	617.9	578.4	569.8	525.2
7.5°	563.0	616.2	655.7	659.1	653.9	636.8	607.6	542.4	551.0	540.7	485.7
10°	681.4	683.1	676.3	681.4	633.3	609.3	514.9	475.4	444.5	485.7	436.0
12.5°	564.7	648.8	696.9	714.0	653.9	575.0	526.9	506.3	393.1	382.8	394.8
15°	690.0	693.4	698.6	681.4	530.4	602.5	489.2	451.4	509.8	496.0	487.5
17.5°	545.8	552.7	669.4	662.5	614.5	477.2	581.9	518.3	473.7	456.6	444.5
20°	695.1	696.9	695.1	526.9	573.3	641.9	547.5	530.4	587.0	580.1	549.2
22.5°	583.6	583.6	623.0	676.3	602.5	643.6	557.8	660.8	545.8	542.4	408.5
25°	806.7	806.7	779.2	597.3	683.1	605.9	662.5	593.9	705.4	681.4	612.7
27.5°	784.4	760.4	717.4	753.5	660.8	758.6	641.9	724.3	777.5	799.8	763.8
30°	1089.9	1089.9	1043.6	806.7	774.1	732.9	741.5	866.8	1065.9	1069.3	923.4
32.5°	1476.1	1448.6	1203.2	1040.1	846.2	920.0	837.6	1019.5	1158.6	1153.4	981.8
35°	1634.0	1625.4	1549.9	1277.0	980.1	1007.5	944.0	1077.9	1283.9	1249.5	1052.1
37.5°	1795.3	1781.6	1704.4	1410.9	1120.8	1156.8	1023.0	1163.7	1398.9	1349.1	1129.4
40°	1894.9	1896.6	1841.7	1517.3	1232.4	1251.2	1117.4	1268.4	1491.5	1501.8	1196.3
42.5°	1999.6	1997.9	1953.2	1642.6	1325.0	1349.1	1192.9	1368.0	1616.8	1628.8	1309.6
45°	2056.2	2052.8	2027.1	1728.4	1398.9	1416.0	1309.6	1489.8	1769.6	1766.2	1402.3
47.5°	2070.0	2075.1	2073.4	1812.5	1476.1	1483.0	1414.3	1579.1	1955.0	1917.2	1524.1
50°	1992.7	1996.2	2020.2	1879.4	1532.7	1539.6	1496.7	1680.3	2111.2	2066.5	1634.0
52.5°	1778.2	1798.8	1900.0	1838.2	1556.8	1582.5	1573.9	1757.6	2301.7	2246.7	1769.6
55°	1321.6	1369.7	1601.4	1683.8	1544.7	1584.2	1642.6	1898.3	2475.0	2408.1	1879.4
57.5°	1053.9	1062.4	1199.8	1426.3	1446.9	1575.6	1714.7	1984.1	2583.2	2516.2	1958.4
60°	832.4	846.2	935.4	1117.4	1263.3	1524.1	1735.3	2071.7	2669.0	2612.3	2045.9
62.5°	645.4	643.6	712.3	834.2	1017.8	1416.0	1707.8	2124.9	2778.8	2735.9	2202.1
65°	449.7	449.7	508.0	605.9	770.7	1222.1	1652.9	2200.4	2965.9	2953.9	2396.1
67.5°	307.2	314.1	353.6	401.6	528.6	993.8	1570.5	2277.6	3238.8	3182.2	2583.2
70°	224.8	224.8	240.3	266.0	329.5	741.5	1422.9	2279.4	3437.9	3379.6	2681.0
72.5°	166.5	166.5	178.5	190.5	207.7	492.6	1167.1	2135.2	3386.4	3293.7	2481.9
75°	87.5	87.5	135.6	140.7	139.0	319.2	861.6	1754.1	2862.9	2708.5	1942.9
77.5°	68.7	70.4	77.2	109.8	101.3	209.4	480.6	1079.6	1850.3	1661.5	1052.1
80°	49.8	48.1	60.1	70.4	60.1	121.9	226.6	473.7	655.7	568.1	346.7
82.5°	29.2	30.9	36.0	51.5	51.5	85.8	147.6	207.7	235.1	233.4	207.7
85°	3.4	5.1	18.9	34.3	30.9	49.8	123.6	144.2	185.4	188.8	185.4
87.5°	3.4	3.4	5.1	6.9	8.6	32.6	104.7	125.3	171.6	183.7	185.4
90°	6.9	5.1	3.4	3.4	5.1	25.7	97.8	128.7	181.9	185.4	194.0
92.5°	8.6	6.9	3.4	1.7	5.1	20.6	92.7	128.7	188.8	200.8	209.4
95°	12.0	10.3	3.4	1.7	5.1	17.2	79.0	121.9	197.4	218.0	226.6
97.5°	15.4	13.7	3.4	3.4	5.1	13.7	61.8	96.1	130.4	147.6	159.6
100°	17.2	17.2	3.4	3.4	5.1	8.6	30.9	53.2	41.2	39.5	44.6
102.5°	18.9	18.9	3.4	3.4	3.4	5.1	10.3	22.3	8.6	8.6	13.7
105°	18.9	18.9	3.4	3.4	3.4	3.4	3.4	8.6	6.9	8.6	15.4
107.5°	17.2	18.9	3.4	5.1	5.1	3.4	3.4	3.4	6.9	10.3	15.4
110°	15.4	15.4	3.4	5.1	5.1	3.4	1.7	3.4	6.9	10.3	17.2

REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	12.0	8.6	1.7	5.1	3.4	3.4	1.7	3.4	8.6	12.0	17.2
115°	5.1	3.4	1.7	3.4	3.4	3.4	1.7	3.4	8.6	13.7	17.2
117.5°	3.4	1.7	1.7	1.7	1.7	3.4	1.7	5.1	12.0	15.4	20.6
120°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	15.4	17.2	24.0
122.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	15.4	17.2	24.0
125°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	12.0	15.4	20.6
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	8.6	12.0	17.2
130°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	8.6	10.3	13.7
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1	6.9	10.3
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	6.9
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7
150°	3.4	5.1	8.6	6.9	3.4	1.7	3.4	1.7	1.7	1.7	1.7
152.5°	8.6	8.6	6.9	6.9	1.7	1.7	3.4	3.4	1.7	1.7	1.7
155°	6.9	6.9	5.1	1.7	1.7	1.7	1.7	3.4	5.1	6.9	5.1
157.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2
2.5°	490.9	473.7	436.0	406.8	375.9	358.7	326.1	298.7	278.1	274.6	274.6
5°	490.9	456.6	389.6	317.5	250.6	216.3	197.4	185.4	176.8	173.4	171.6
7.5°	439.4	394.8	305.5	221.4	192.2	161.3	139.0	121.9	106.4	101.3	96.1
10°	384.5	329.5	207.7	152.8	121.9	101.3	91.0	85.8	80.7	79.0	79.0
12.5°	341.6	284.9	166.5	125.3	85.8	72.1	68.7	65.2	63.5	61.8	60.1
15°	417.1	341.6	173.4	85.8	60.1	51.5	48.1	49.8	53.2	53.2	53.2
17.5°	386.2	300.4	144.2	65.2	49.8	37.8	41.2	44.6	48.1	42.9	41.2
20°	461.7	353.6	140.7	51.5	41.2	37.8	36.0	30.9	39.5	39.5	39.5
22.5°	334.7	267.8	106.4	48.1	34.3	32.6	27.5	30.9	32.6	27.5	27.5
25°	496.0	348.4	104.7	37.8	34.3	25.7	27.5	22.3	27.5	27.5	27.5
27.5°	614.5	411.9	92.7	39.5	29.2	25.7	20.6	22.3	20.6	20.6	20.6
30°	731.2	463.4	84.1	39.5	27.5	20.6	18.9	17.2	20.6	20.6	20.6
32.5°	765.5	451.4	66.9	41.2	25.7	18.9	15.4	17.2	17.2	18.9	18.9
35°	805.0	441.1	56.6	36.0	24.0	17.2	13.7	15.4	17.2	18.9	18.9
37.5°	842.7	423.9	51.5	32.6	20.6	15.4	12.0	13.7	36.0	39.5	39.5
40°	890.8	403.4	48.1	29.2	17.2	12.0	10.3	27.5	32.6	37.8	37.8
42.5°	959.5	391.3	44.6	27.5	15.4	10.3	10.3	24.0	46.3	51.5	51.5
45°	1016.1	370.7	42.9	24.0	13.7	8.6	17.2	32.6	37.8	48.1	46.3
47.5°	1086.5	351.9	41.2	22.3	12.0	8.6	18.9	34.3	48.1	54.9	54.9
50°	1162.0	341.6	39.5	20.6	12.0	8.6	32.6	32.6	39.5	61.8	61.8
52.5°	1258.1	334.7	36.0	17.2	10.3	17.2	44.6	39.5	48.1	63.5	63.5
55°	1304.5	312.4	34.3	15.4	8.6	17.2	48.1	44.6	49.8	66.9	66.9
57.5°	1345.6	290.1	30.9	15.4	8.6	22.3	51.5	56.6	48.1	58.4	65.2
60°	1383.4	267.8	27.5	13.7	8.6	27.5	56.6	79.0	66.9	79.0	79.0
62.5°	1470.9	250.6	24.0	15.4	6.9	30.9	73.8	96.1	75.5	96.1	94.4
65°	1553.3	230.0	22.3	13.7	8.6	36.0	80.7	111.6	82.4	111.6	111.6
67.5°	1585.9	204.2	20.6	13.7	8.6	41.2	80.7	123.6	97.8	125.3	127.0
70°	1529.3	168.2	18.9	15.4	10.3	46.3	84.1	132.2	104.7	145.9	145.9
72.5°	1299.3	115.0	18.9	17.2	20.6	51.5	99.6	137.3	109.8	175.1	176.8
75°	969.8	65.2	20.6	18.9	22.3	58.4	109.8	142.5	115.0	176.8	176.8
77.5°	552.7	44.6	20.6	22.3	27.5	58.4	115.0	147.6	113.3	173.4	169.9
80°	192.2	32.6	20.6	25.7	34.3	58.4	116.7	145.9	109.8	161.3	161.3
82.5°	130.4	27.5	20.6	25.7	41.2	61.8	115.0	137.3	97.8	135.6	130.4
85°	121.9	22.3	22.3	27.5	44.6	61.8	104.7	118.4	82.4	101.3	99.6
87.5°	120.1	20.6	25.7	29.2	48.1	56.6	89.3	97.8	66.9	82.4	80.7
90°	125.3	20.6	27.5	30.9	44.6	46.3	72.1	82.4	54.9	65.2	63.5
92.5°	133.9	20.6	29.2	34.3	39.5	34.3	58.4	65.2	46.3	49.8	48.1
95°	142.5	20.6	32.6	36.0	32.6	25.7	44.6	53.2	37.8	36.0	36.0
97.5°	94.4	15.4	34.3	36.0	27.5	18.9	34.3	41.2	22.3	18.9	18.9
100°	30.9	12.0	36.0	37.8	25.7	13.7	29.2	30.9	17.2	8.6	8.6
102.5°	13.7	12.0	32.6	32.6	22.3	10.3	20.6	22.3	12.0	3.4	3.4
105°	12.0	6.9	18.9	24.0	15.4	5.1	10.3	12.0	6.9	3.4	3.4
107.5°	13.7	6.9	10.3	13.7	6.9	5.1	5.1	5.1	3.4	3.4	3.4
110°	13.7	6.9	5.1	8.6	6.9	5.1	3.4	3.4	3.4	5.1	5.1

REPORT NUMBER: P560623

CATALOG NUMBER: SDL-PA1-50-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.4	6.9	5.1	6.9	5.1	5.1	3.4	3.4	6.9	12.0	12.0
115°	15.4	6.9	5.1	6.9	5.1	5.1	3.4	1.7	6.9	17.2	18.9
117.5°	17.2	8.6	3.4	5.1	3.4	3.4	3.4	1.7	8.6	22.3	22.3
120°	20.6	8.6	3.4	3.4	3.4	1.7	3.4	3.4	8.6	24.0	24.0
122.5°	20.6	10.3	3.4	3.4	3.4	1.7	1.7	3.4	10.3	22.3	24.0
125°	17.2	8.6	3.4	3.4	3.4	1.7	1.7	3.4	10.3	20.6	24.0
127.5°	13.7	8.6	3.4	3.4	3.4	1.7	1.7	3.4	10.3	17.2	18.9
130°	12.0	6.9	3.4	3.4	3.4	1.7	1.7	3.4	8.6	13.7	15.4
132.5°	8.6	5.1	3.4	3.4	3.4	1.7	1.7	1.7	8.6	13.7	13.7
135°	6.9	5.1	3.4	3.4	3.4	1.7	1.7	1.7	6.9	10.3	10.3
137.5°	3.4	1.7	3.4	3.4	3.4	1.7	1.7	1.7	5.1	5.1	5.1
140°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	3.4	1.7
142.5°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
155°	3.4	3.4	1.7	3.4	1.7	1.7	0.0	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)