

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: P559953

Luminaire Tested: **SDL-PA1-100-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5561.6 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 93.8
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

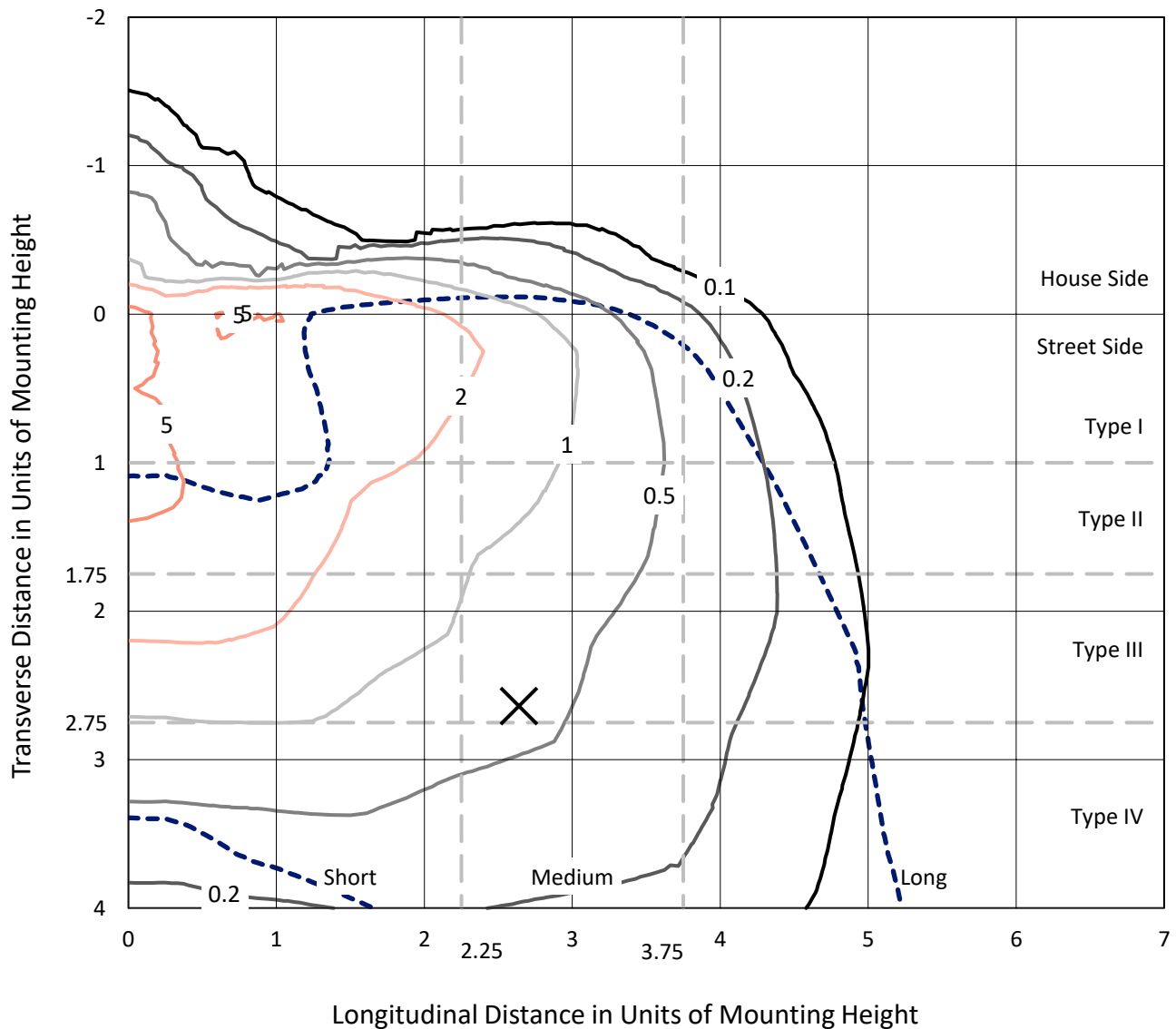


REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

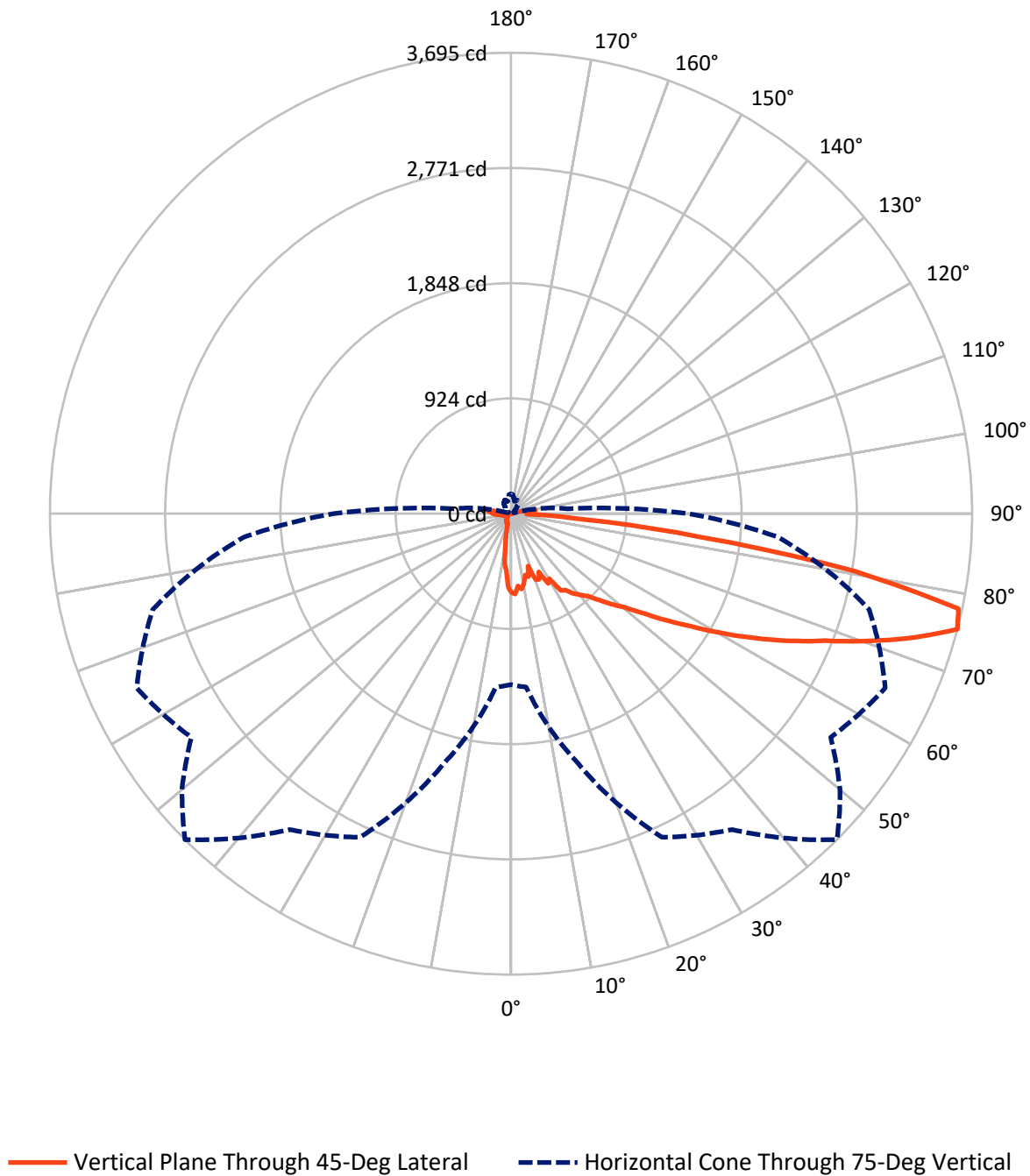


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Medium - N/A

REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

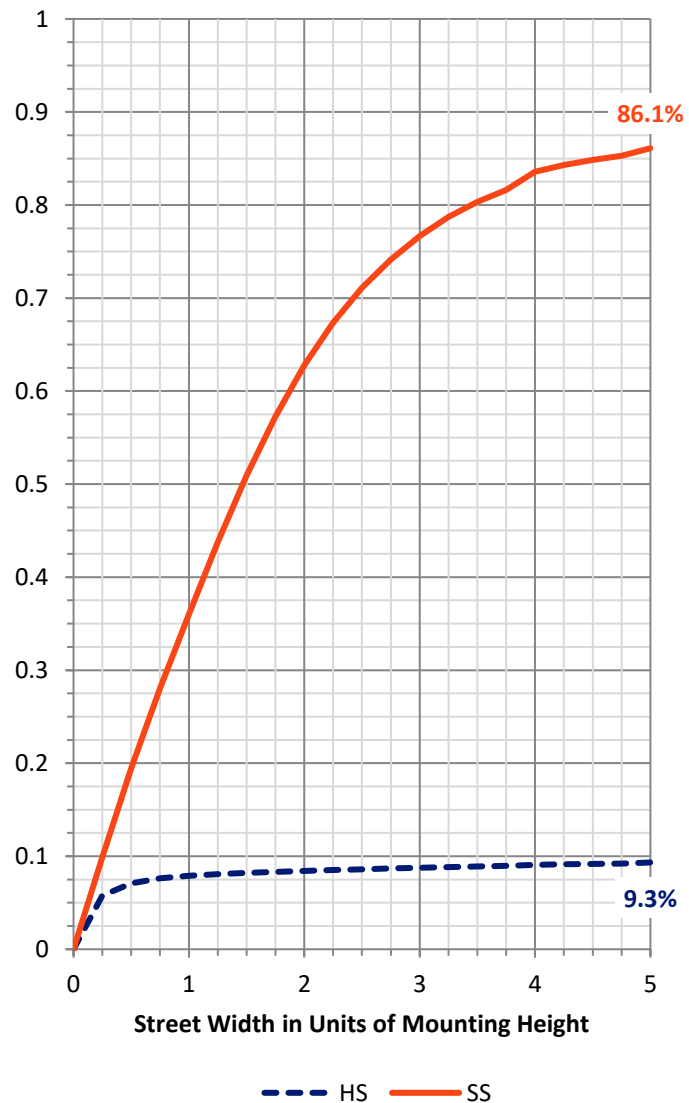
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.7	99.9	670.6
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4813.8	77.2	4891.0
	% Fixture	86.6	1.4	87.9
Total	Lumens	5384.5	177.1	5561.6
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	0.9
10°-20°	106.4	1.9
20°-30°	178.5	3.2
30°-40°	331.0	6.0
40°-50°	557.9	10.0
50°-60°	1001.3	18.0
60°-70°	1503.5	27.0
70°-80°	1375.5	24.7
80°-90°	281.2	5.1
90°-100°	134.6	2.4
100°-110°	28.7	0.5
110°-120°	5.5	0.1
120°-130°	4.3	0.1
130°-140°	2.0	0.0
140°-150°	1.0	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5384.5	96.8
0°-180°	5561.6	100.0



REPORT NUMBER: P559953

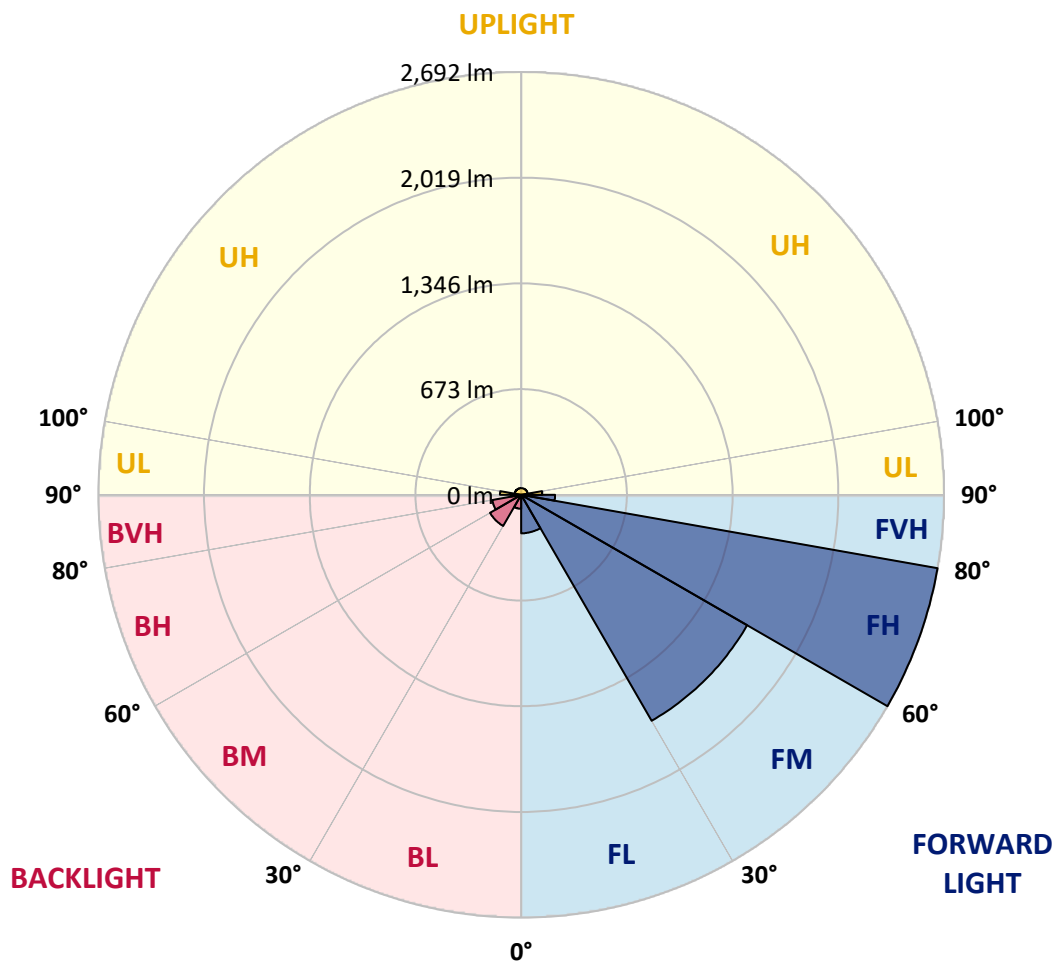
CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.0	4.4			
FM	(30°-60°)	1661.2	29.9			
FH	(60°-80°)	2692.0	48.4			G2/5000
FVH	(80°-90°)	215.7	3.9			G2/225
BL	(0°-30°)	89.1	1.6	B0/110		
BM	(30°-60°)	229.0	4.1	B1/1000		
BH	(60°-80°)	187.0	3.4	B1/500		G1/500
BVH	(80°-90°)	65.6	1.2			G1/100
UL	(90°-100°)	134.6	2.4		U3/500	
UH	(100°-180°)	42.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7
2.5°	615.8	645.6	636.7	651.5	648.6	645.6	645.6	648.6	645.6	639.6	633.7
5°	627.7	618.8	612.9	609.9	598.0	583.1	577.2	571.2	633.7	633.7	621.8
7.5°	645.6	645.6	633.7	624.8	624.8	609.9	595.0	583.1	553.4	544.4	544.4
10°	687.2	681.3	672.4	654.5	565.3	568.2	535.5	470.1	440.3	452.2	470.1
12.5°	696.2	693.2	681.3	678.3	595.0	505.8	419.5	470.1	449.2	374.9	416.5
15°	746.7	740.8	717.0	675.3	508.7	523.6	487.9	419.5	401.6	458.2	490.9
17.5°	636.7	636.7	714.0	654.5	553.4	440.3	437.3	487.9	440.3	410.6	407.6
20°	782.4	782.4	749.7	535.5	568.2	562.3	452.2	511.7	431.4	487.9	520.6
22.5°	651.5	648.6	672.4	663.4	544.4	574.2	464.1	467.1	514.7	440.3	377.8
25°	794.3	794.3	776.5	577.2	618.8	517.7	529.6	559.3	458.2	556.3	562.3
27.5°	684.3	681.3	648.6	660.5	577.2	633.7	482.0	526.6	562.3	601.0	660.5
30°	836.0	841.9	827.1	627.7	642.6	603.9	574.2	609.9	681.3	800.3	839.0
32.5°	1032.3	1038.3	880.6	755.7	645.6	734.8	615.8	672.4	782.4	839.0	880.6
35°	1148.4	1103.7	1035.3	844.9	696.2	752.7	708.1	717.0	815.2	904.4	934.2
37.5°	1246.5	1187.0	1106.7	871.7	734.8	812.2	737.8	749.7	883.6	963.9	1002.6
40°	1279.3	1243.6	1198.9	931.2	782.4	856.8	773.5	800.3	949.0	1041.3	1100.8
42.5°	1359.6	1362.6	1335.8	1014.5	833.0	904.4	833.0	850.9	1035.3	1148.4	1234.6
45°	1573.8	1579.8	1550.0	1157.3	895.5	987.7	928.2	937.1	1133.5	1312.0	1422.1
47.5°	1847.5	1826.7	1796.9	1347.7	990.7	1082.9	1038.3	1029.4	1249.5	1526.2	1624.4
50°	2124.2	2085.5	2023.0	1609.5	1154.3	1181.1	1151.3	1145.4	1389.4	1746.4	1853.5
52.5°	2412.8	2383.0	2252.1	1856.4	1398.3	1323.9	1291.2	1323.9	1570.8	1990.3	2088.5
55°	2564.5	2534.7	2451.4	2121.2	1633.3	1508.4	1451.8	1511.3	1850.5	2219.4	2347.3
57.5°	2689.5	2680.5	2641.8	2397.9	1918.9	1704.7	1648.2	1704.7	2073.6	2433.6	2585.3
60°	2868.0	2832.3	2868.0	2665.7	2195.6	1945.7	1868.3	1927.8	2347.3	2621.0	2847.1
62.5°	2995.9	2987.0	3058.4	2966.1	2427.6	2198.6	2085.5	2142.0	2588.3	2820.4	3106.0
65°	2859.0	2903.7	3189.3	3162.5	2689.5	2457.4	2338.4	2320.5	2784.7	3034.6	3382.6
67.5°	2615.1	2644.8	3061.3	3263.6	2918.5	2719.2	2576.4	2493.1	2966.1	3227.9	3602.8
70°	2383.0	2418.7	2799.5	3269.6	3028.6	3055.4	2856.1	2701.4	3147.6	3445.1	3650.4
72.5°	2198.6	2231.3	2573.4	3198.2	3067.3	3391.6	3162.5	2921.5	3323.1	3451.1	3189.3
75°	1371.5	1395.3	2070.6	2862.0	3091.1	3695.0	3442.1	3126.8	3308.3	2972.1	2145.0
77.5°	422.5	431.4	886.6	1889.2	2686.5	3665.3	3394.5	2939.4	2772.8	1886.2	978.8
80°	145.8	148.8	229.1	672.4	1606.5	2781.7	2588.3	2162.9	1657.1	696.2	368.9
82.5°	68.4	74.4	107.1	226.1	654.5	1520.3	1529.2	1285.2	696.2	309.4	249.9
85°	23.8	23.8	44.6	98.2	252.9	586.1	556.3	517.7	365.9	279.7	232.1
87.5°	8.9	8.9	14.9	26.8	62.5	125.0	157.7	193.4	193.4	196.4	235.0
90°	8.9	8.9	6.0	6.0	44.6	130.9	157.7	175.5	160.7	178.5	255.9
92.5°	8.9	8.9	6.0	6.0	47.6	151.7	175.5	190.4	169.6	190.4	282.6
95°	8.9	8.9	6.0	6.0	53.6	184.5	205.3	202.3	169.6	199.3	303.5
97.5°	11.9	11.9	6.0	3.0	47.6	196.4	220.2	214.2	145.8	151.7	238.0
100°	11.9	11.9	6.0	3.0	29.8	145.8	175.5	172.6	95.2	23.8	68.4
102.5°	11.9	11.9	6.0	3.0	6.0	68.4	83.3	86.3	56.5	8.9	11.9
105°	14.9	14.9	6.0	3.0	3.0	11.9	26.8	35.7	20.8	6.0	11.9
107.5°	14.9	14.9	6.0	3.0	3.0	6.0	6.0	8.9	8.9	6.0	14.9
110°	14.9	14.9	6.0	6.0	3.0	3.0	3.0	3.0	6.0	6.0	14.9

REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.9	11.9	3.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9
115°	6.0	6.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	6.0	11.9
117.5°	3.0	3.0	0.0	3.0	0.0	3.0	3.0	3.0	6.0	6.0	14.9
120°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	8.9	17.9
122.5°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	8.9	17.9
125°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	8.9	17.9
127.5°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	8.9	14.9
130°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	6.0	11.9
132.5°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	6.0	8.9
135°	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	6.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
145°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	8.9	8.9	6.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
152.5°	6.0	6.0	8.9	3.0	0.0	0.0	3.0	3.0	6.0	3.0	3.0
155°	6.0	6.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	6.0	6.0
157.5°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
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: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7	633.7
2.5°	627.7	624.8	615.8	609.9	601.0	592.0	547.4	520.6	517.7	514.7	517.7
5°	615.8	606.9	592.0	523.6	490.9	461.1	452.2	446.3	431.4	431.4	434.4
7.5°	532.5	526.6	479.0	458.2	431.4	404.6	380.8	363.0	318.3	303.5	297.5
10°	467.1	455.2	371.9	330.2	303.5	273.7	273.7	249.9	238.0	229.1	226.1
12.5°	404.6	395.7	327.3	300.5	226.1	196.4	181.5	166.6	157.7	151.7	148.8
15°	473.0	458.2	351.1	241.0	166.6	139.8	110.1	107.1	133.9	139.8	142.8
17.5°	377.8	386.8	312.4	211.2	136.9	86.3	95.2	113.1	127.9	127.9	125.0
20°	502.8	482.0	339.2	169.6	98.2	86.3	92.2	83.3	119.0	127.9	127.9
22.5°	365.9	348.1	279.7	157.7	77.4	83.3	77.4	98.2	110.1	98.2	101.2
25°	544.4	517.7	324.3	110.1	80.3	71.4	89.3	77.4	107.1	116.0	119.0
27.5°	675.3	586.1	318.3	104.1	71.4	80.3	74.4	89.3	86.3	92.2	92.2
30°	806.2	755.7	360.0	95.2	71.4	68.4	77.4	77.4	98.2	107.1	107.1
32.5°	862.8	803.3	315.4	92.2	71.4	68.4	68.4	83.3	92.2	110.1	110.1
35°	922.3	841.9	264.8	86.3	68.4	65.5	65.5	83.3	98.2	110.1	113.1
37.5°	1002.6	883.6	214.2	83.3	65.5	62.5	56.5	74.4	104.1	116.0	119.0
40°	1103.7	943.1	166.6	77.4	59.5	56.5	53.6	74.4	89.3	104.1	104.1
42.5°	1261.4	1008.5	130.9	74.4	56.5	50.6	50.6	62.5	86.3	98.2	98.2
45°	1422.1	1085.9	110.1	71.4	53.6	47.6	47.6	62.5	65.5	83.3	83.3
47.5°	1600.6	1163.2	101.2	68.4	53.6	41.7	41.7	56.5	56.5	77.4	80.3
50°	1785.0	1228.7	95.2	65.5	47.6	38.7	47.6	38.7	47.6	74.4	80.3
52.5°	1945.7	1282.2	89.3	59.5	44.6	35.7	44.6	38.7	47.6	68.4	68.4
55°	2109.3	1312.0	86.3	56.5	41.7	29.8	44.6	41.7	44.6	62.5	62.5
57.5°	2255.1	1320.9	83.3	56.5	35.7	26.8	41.7	50.6	38.7	50.6	56.5
60°	2386.0	1312.0	74.4	50.6	26.8	26.8	44.6	59.5	53.6	59.5	59.5
62.5°	2508.0	1279.3	59.5	41.7	20.8	26.8	56.5	65.5	50.6	62.5	68.4
65°	2612.1	1234.6	44.6	32.7	14.9	29.8	59.5	74.4	59.5	71.4	77.4
67.5°	2659.7	1175.1	35.7	26.8	14.9	32.7	62.5	83.3	68.4	80.3	86.3
70°	2579.4	1053.2	29.8	26.8	11.9	38.7	65.5	89.3	77.4	101.2	104.1
72.5°	2142.0	827.1	26.8	26.8	20.8	47.6	83.3	101.2	95.2	136.9	133.9
75°	1419.1	452.2	26.8	23.8	26.8	56.5	101.2	119.0	104.1	154.7	154.7
77.5°	654.5	199.3	23.8	26.8	29.8	62.5	116.0	142.8	119.0	175.5	172.6
80°	285.6	122.0	23.8	23.8	32.7	68.4	130.9	160.7	130.9	193.4	193.4
82.5°	214.2	110.1	20.8	23.8	44.6	77.4	151.7	178.5	145.8	208.3	205.3
85°	199.3	104.1	23.8	26.8	50.6	98.2	178.5	193.4	151.7	214.2	214.2
87.5°	202.3	101.2	23.8	26.8	68.4	125.0	202.3	208.3	166.6	226.1	226.1
90°	208.3	104.1	26.8	29.8	77.4	136.9	226.1	223.1	187.4	238.0	238.0
92.5°	223.1	104.1	29.8	32.7	83.3	151.7	246.9	229.1	202.3	246.9	241.0
95°	232.1	104.1	32.7	35.7	98.2	166.6	261.8	223.1	214.2	229.1	223.1
97.5°	172.6	77.4	38.7	41.7	101.2	187.4	241.0	190.4	139.8	136.9	139.8
100°	56.5	26.8	41.7	44.6	65.5	130.9	178.5	136.9	74.4	56.5	56.5
102.5°	14.9	14.9	38.7	41.7	35.7	56.5	104.1	89.3	50.6	3.0	6.0
105°	14.9	11.9	23.8	32.7	20.8	14.9	41.7	50.6	38.7	3.0	3.0
107.5°	14.9	11.9	11.9	17.9	6.0	6.0	11.9	11.9	11.9	3.0	3.0
110°	14.9	11.9	6.0	6.0	6.0	6.0	6.0	3.0	3.0	6.0	6.0

REPORT NUMBER: P559953

CATALOG NUMBER: SDL-PA1-100-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	11.9	6.0	6.0	6.0	3.0	3.0	3.0	3.0	8.9	11.9
115°	14.9	11.9	3.0	6.0	3.0	3.0	3.0	3.0	6.0	11.9	14.9
117.5°	14.9	11.9	3.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9	17.9
120°	17.9	14.9	3.0	3.0	3.0	3.0	3.0	3.0	6.0	17.9	17.9
122.5°	17.9	14.9	3.0	3.0	3.0	3.0	0.0	3.0	8.9	17.9	17.9
125°	17.9	14.9	3.0	3.0	3.0	0.0	0.0	3.0	8.9	17.9	20.8
127.5°	14.9	11.9	3.0	3.0	3.0	0.0	0.0	3.0	6.0	14.9	17.9
130°	11.9	8.9	3.0	3.0	3.0	0.0	0.0	0.0	6.0	14.9	14.9
132.5°	8.9	6.0	3.0	3.0	3.0	0.0	0.0	0.0	6.0	11.9	11.9
135°	6.0	6.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	8.9	8.9
137.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	3.0	3.0	3.0
140°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.0	6.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)