

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: P561349

Luminaire Tested: **SDL-PA1-90-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561349
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-PA1-90-830-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA 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: 6177.1 lumens
Efficiency: N/A
Efficacy: 66.9 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 - G2

Input Watts (W): 92.4
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

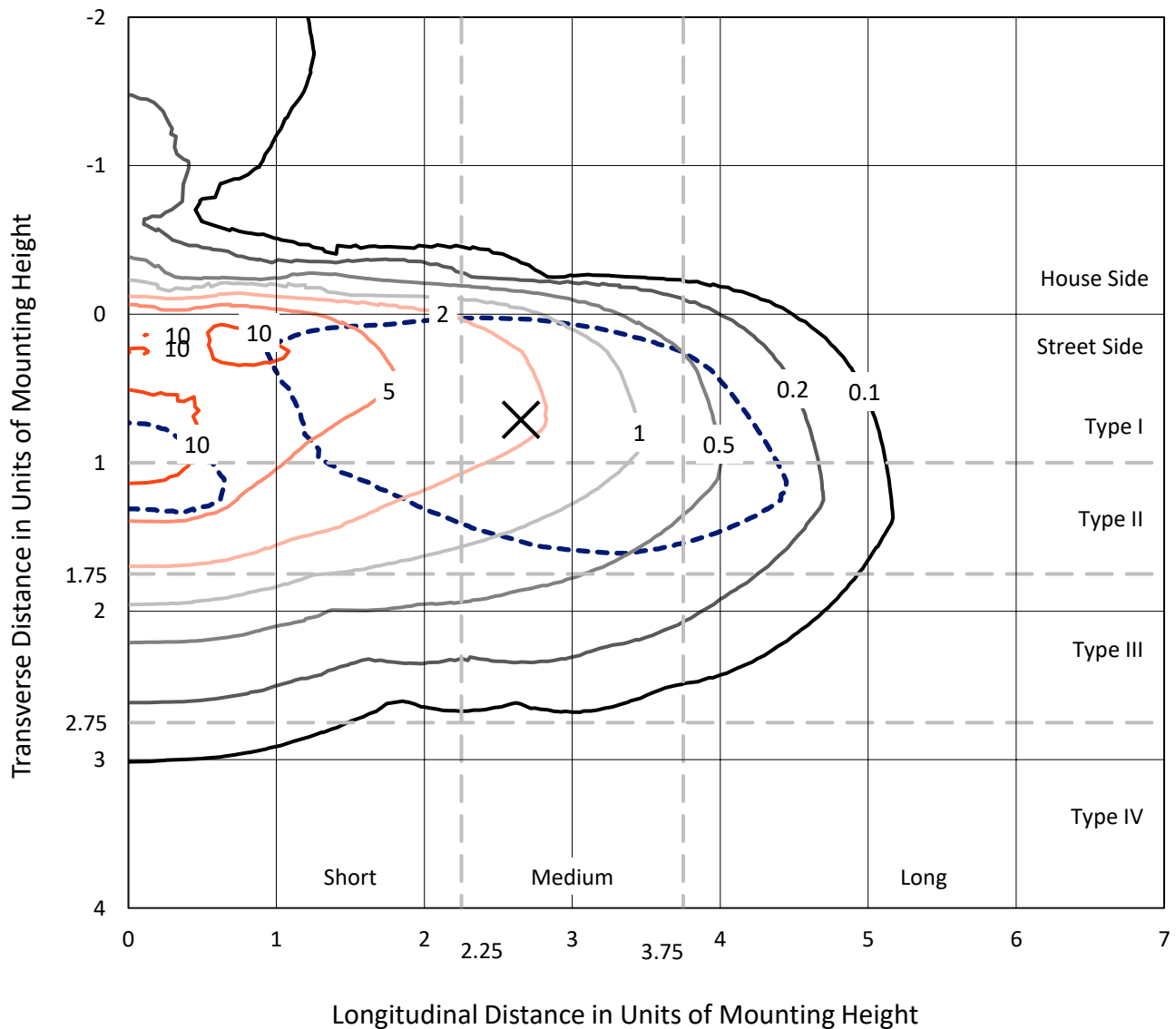


REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

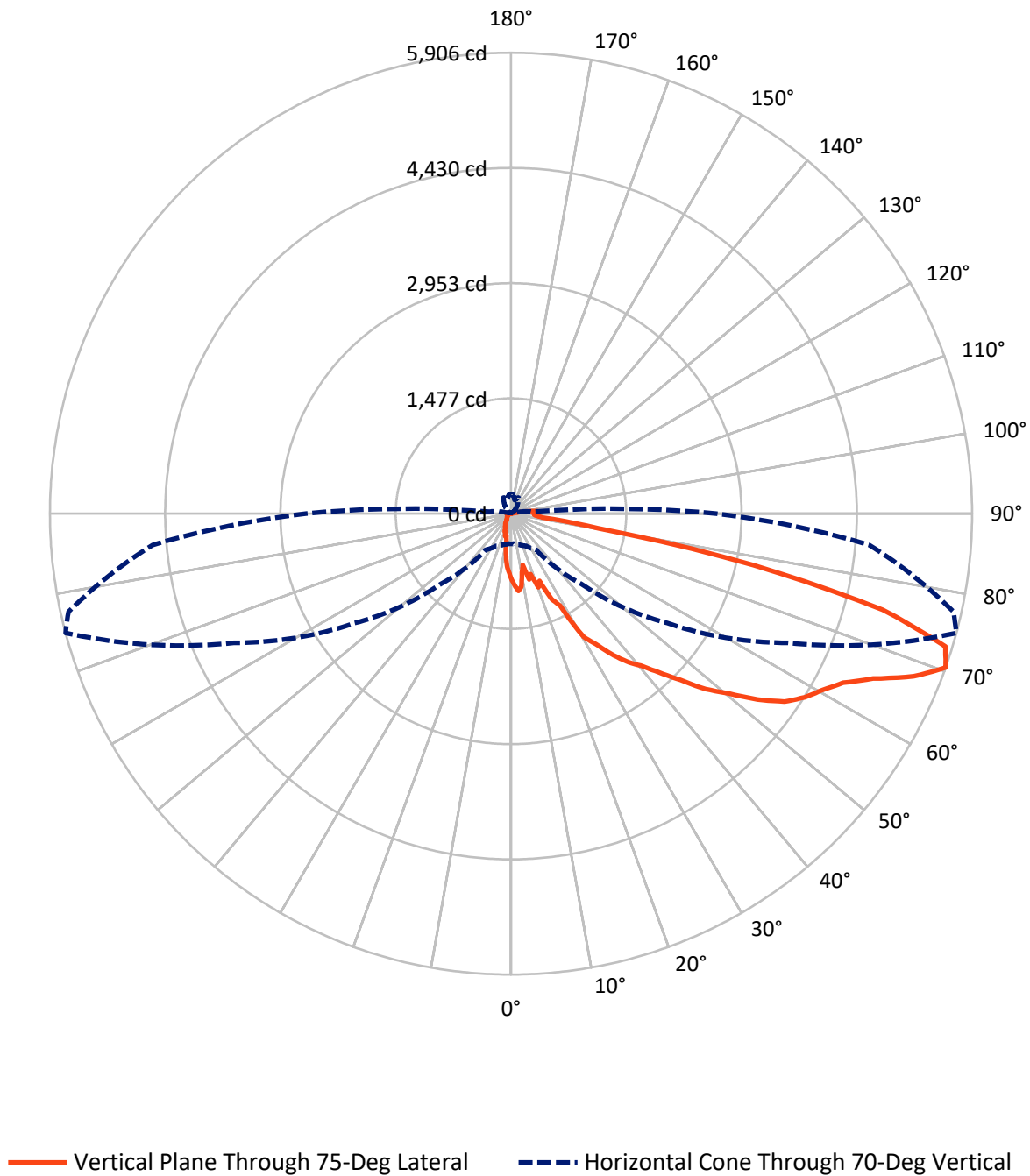


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

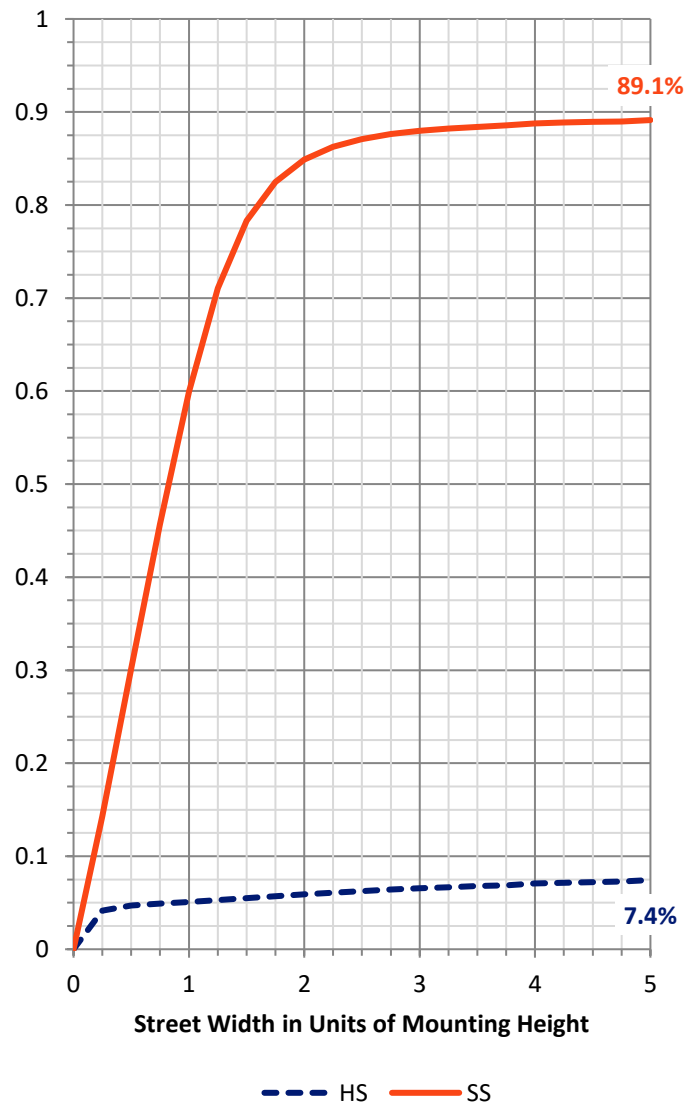
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.3	62.5	565.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5532.7	78.6	5611.3
	% Fixture	89.6	1.3	90.8
Total	Lumens	6036.1	141.1	6177.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.1
10°-20°	162.9	2.6
20°-30°	305.7	4.9
30°-40°	686.0	11.1
40°-50°	1129.1	18.3
50°-60°	1384.0	22.4
60°-70°	1296.2	21.0
70°-80°	844.1	13.7
80°-90°	161.3	2.6
90°-100°	92.5	1.5
100°-110°	20.8	0.3
110°-120°	10.5	0.2
120°-130°	8.9	0.1
130°-140°	4.3	0.1
140°-150°	2.2	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6036.1	97.7
0°-180°	6177.1	100.0

Coefficient of Utilization



REPORT NUMBER: P561349

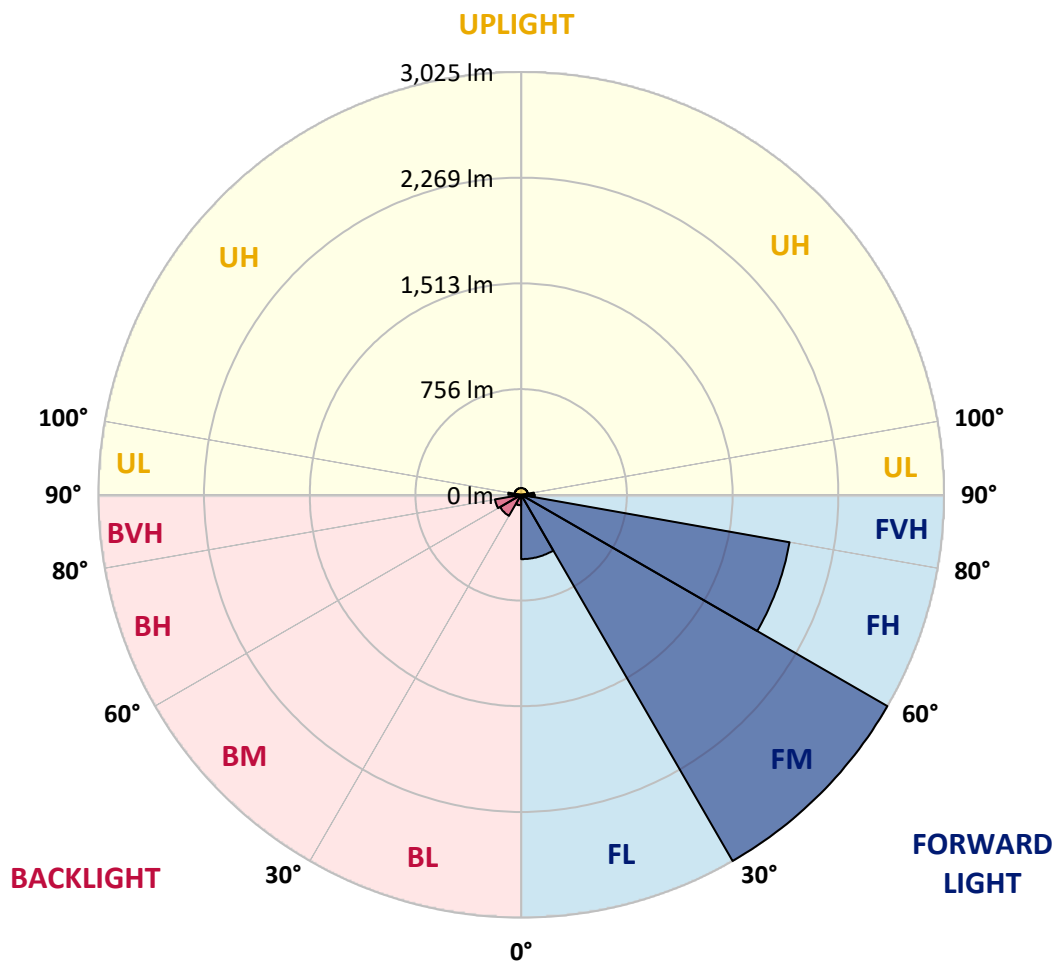
CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	460.2	7.4			
FM	(30°-60°)	3025.1	49.0			
FH	(60°-80°)	1949.8	31.6			G2/5000
FVH	(80°-90°)	97.6	1.6			G1/100
BL	(0°-30°)	75.2	1.2	B0/110		
BM	(30°-60°)	174.0	2.8	B0/220		
BH	(60°-80°)	190.6	3.1	B1/500		G1/500
BVH	(80°-90°)	63.6	1.0			G1/100
UL	(90°-100°)	92.5	1.5		U3/500	
UH	(100°-180°)	48.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4
2.5°	937.7	996.7	1014.4	1043.8	1058.6	1040.9	1008.5	967.2	922.9	911.2	872.8
5°	1064.5	1052.7	1043.8	1043.8	1026.2	987.8	952.4	1061.5	993.7	979.0	902.3
7.5°	967.2	1058.6	1126.4	1132.3	1123.5	1094.0	1043.8	931.8	946.5	928.8	834.5
10°	1170.6	1173.6	1161.8	1170.6	1088.1	1046.8	884.6	816.8	763.7	834.5	749.0
12.5°	970.1	1114.6	1197.2	1226.7	1123.5	987.8	905.3	869.9	675.3	657.6	678.2
15°	1185.4	1191.3	1200.1	1170.6	911.2	1035.0	840.4	775.5	875.8	852.2	837.4
17.5°	937.7	949.5	1150.0	1138.2	1055.6	819.7	999.6	890.5	813.8	784.4	763.7
20°	1194.2	1197.2	1194.2	905.3	984.9	1102.8	940.6	911.2	1008.5	996.7	943.6
22.5°	1002.6	1002.6	1070.4	1161.8	1035.0	1105.8	958.3	1135.3	937.7	931.8	701.8
25°	1385.9	1385.9	1338.7	1026.2	1173.6	1040.9	1138.2	1020.3	1211.9	1170.6	1052.7
27.5°	1347.6	1306.3	1232.6	1294.5	1135.3	1303.3	1102.8	1244.4	1335.8	1374.1	1312.2
30°	1872.4	1872.4	1792.8	1385.9	1329.9	1259.1	1273.8	1489.1	1831.1	1837.0	1586.4
32.5°	2535.9	2488.7	2067.0	1786.9	1453.7	1580.5	1439.0	1751.5	1990.4	1981.5	1686.7
35°	2807.2	2792.4	2662.7	2193.8	1683.7	1730.9	1621.8	1851.8	2205.6	2146.7	1807.6
37.5°	3084.3	3060.8	2928.1	2423.8	1925.5	1987.4	1757.4	1999.2	2403.2	2317.7	1940.2
40°	3255.4	3258.3	3164.0	2606.7	2117.2	2149.6	1919.6	2179.1	2562.4	2580.1	2055.2
42.5°	3435.2	3432.3	3355.6	2821.9	2276.4	2317.7	2049.4	2350.1	2777.7	2798.3	2249.9
45°	3532.6	3526.7	3482.4	2969.3	2403.2	2432.7	2249.9	2559.5	3040.1	3034.2	2409.1
47.5°	3556.1	3565.0	3562.0	3113.8	2535.9	2547.7	2429.7	2712.8	3358.6	3293.7	2618.5
50°	3423.4	3429.3	3470.6	3228.8	2633.2	2645.0	2571.3	2886.8	3626.9	3550.2	2807.2
52.5°	3054.9	3090.2	3264.2	3158.1	2674.5	2718.7	2704.0	3019.5	3954.2	3859.9	3040.1
55°	2270.5	2353.1	2751.1	2892.7	2653.8	2721.7	2821.9	3261.3	4252.0	4137.0	3228.8
57.5°	1810.5	1825.3	2061.1	2450.4	2485.8	2706.9	2945.8	3408.7	4437.8	4322.8	3364.5
60°	1430.1	1453.7	1607.0	1919.6	2170.2	2618.5	2981.1	3559.1	4585.2	4487.9	3514.9
62.5°	1108.7	1105.8	1223.7	1433.1	1748.6	2432.7	2934.0	3650.5	4774.0	4700.2	3783.2
65°	772.6	772.6	872.8	1040.9	1324.0	2099.5	2839.6	3780.2	5095.4	5074.7	4116.4
67.5°	527.8	539.6	607.4	690.0	908.2	1707.3	2698.1	3912.9	5564.2	5466.9	4437.8
70°	386.3	386.3	412.8	457.0	566.2	1273.8	2444.5	3915.9	5906.3	5806.0	4605.9
72.5°	286.0	286.0	306.7	327.3	356.8	846.3	2005.1	3668.2	5817.8	5658.6	4263.8
75°	150.4	150.4	232.9	241.8	238.8	548.5	1480.3	3013.6	4918.4	4653.1	3337.9
77.5°	117.9	120.9	132.7	188.7	174.0	359.7	825.6	1854.7	3178.7	2854.3	1807.6
80°	85.5	82.6	103.2	120.9	103.2	209.4	389.2	813.8	1126.4	976.0	595.6
82.5°	50.1	53.1	61.9	88.5	88.5	147.4	253.6	356.8	404.0	401.0	356.8
85°	5.9	8.8	32.4	59.0	53.1	85.5	212.3	247.7	318.5	324.4	318.5
87.5°	5.9	5.9	8.8	11.8	14.7	56.0	179.9	215.3	294.9	315.5	318.5
90°	11.8	8.8	5.9	5.9	8.8	44.2	168.1	221.2	312.6	318.5	333.2
92.5°	14.7	11.8	5.9	2.9	8.8	35.4	159.2	221.2	324.4	345.0	359.7
95°	20.6	17.7	5.9	2.9	8.8	29.5	135.6	209.4	339.1	374.5	389.2
97.5°	26.5	23.6	5.9	5.9	8.8	23.6	106.2	165.1	224.1	253.6	274.2
100°	29.5	29.5	5.9	5.9	8.8	14.7	53.1	91.4	70.8	67.8	76.7
102.5°	32.4	32.4	5.9	5.9	5.9	8.8	17.7	38.3	14.7	14.7	23.6
105°	32.4	32.4	5.9	5.9	5.9	5.9	5.9	14.7	11.8	14.7	26.5
107.5°	29.5	32.4	5.9	8.8	8.8	5.9	5.9	5.9	11.8	17.7	26.5
110°	26.5	26.5	5.9	8.8	8.8	5.9	2.9	5.9	11.8	17.7	29.5

REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	20.6	14.7	2.9	8.8	5.9	5.9	2.9	5.9	14.7	20.6	29.5
115°	8.8	5.9	2.9	5.9	5.9	5.9	2.9	5.9	14.7	23.6	29.5
117.5°	5.9	2.9	2.9	2.9	2.9	5.9	2.9	8.8	20.6	26.5	35.4
120°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	8.8	26.5	29.5	41.3
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	26.5	29.5	41.3
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	20.6	26.5	35.4
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	14.7	20.6	29.5
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	14.7	17.7	23.6
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	8.8	11.8	17.7
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	11.8
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140°	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9
150°	5.9	8.8	14.7	11.8	5.9	2.9	5.9	2.9	2.9	2.9	2.9
152.5°	14.7	14.7	11.8	11.8	2.9	2.9	5.9	5.9	2.9	2.9	2.9
155°	11.8	11.8	8.8	2.9	2.9	2.9	2.9	5.9	8.8	11.8	8.8
157.5°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4
2.5°	843.3	813.8	749.0	698.8	645.8	616.3	560.3	513.1	477.7	471.8	471.8
5°	843.3	784.4	669.4	545.5	430.5	371.5	339.1	318.5	303.7	297.8	294.9
7.5°	754.9	678.2	524.9	380.4	330.3	277.2	238.8	209.4	182.8	174.0	165.1
10°	660.5	566.2	356.8	262.4	209.4	174.0	156.3	147.4	138.6	135.6	135.6
12.5°	586.8	489.5	286.0	215.3	147.4	123.8	117.9	112.1	109.1	106.2	103.2
15°	716.5	586.8	297.8	147.4	103.2	88.5	82.6	85.5	91.4	91.4	91.4
17.5°	663.5	516.0	247.7	112.1	85.5	64.9	70.8	76.7	82.6	73.7	70.8
20°	793.2	607.4	241.8	88.5	70.8	64.9	61.9	53.1	67.8	67.8	67.8
22.5°	575.0	460.0	182.8	82.6	59.0	56.0	47.2	53.1	56.0	47.2	47.2
25°	852.2	598.6	179.9	64.9	59.0	44.2	47.2	38.3	47.2	47.2	47.2
27.5°	1055.6	707.7	159.2	67.8	50.1	44.2	35.4	38.3	35.4	35.4	35.4
30°	1256.1	796.2	144.5	67.8	47.2	35.4	32.4	29.5	35.4	35.4	35.4
32.5°	1315.1	775.5	115.0	70.8	44.2	32.4	26.5	29.5	29.5	32.4	32.4
35°	1382.9	757.8	97.3	61.9	41.3	29.5	23.6	26.5	29.5	32.4	32.4
37.5°	1447.8	728.3	88.5	56.0	35.4	26.5	20.6	23.6	61.9	67.8	67.8
40°	1530.4	692.9	82.6	50.1	29.5	20.6	17.7	47.2	56.0	64.9	64.9
42.5°	1648.3	672.3	76.7	47.2	26.5	17.7	17.7	41.3	79.6	88.5	88.5
45°	1745.6	636.9	73.7	41.3	23.6	14.7	29.5	56.0	64.9	82.6	79.6
47.5°	1866.5	604.5	70.8	38.3	20.6	14.7	32.4	59.0	82.6	94.4	94.4
50°	1996.3	586.8	67.8	35.4	20.6	14.7	56.0	56.0	67.8	106.2	106.2
52.5°	2161.4	575.0	61.9	29.5	17.7	29.5	76.7	67.8	82.6	109.1	109.1
55°	2241.0	536.7	59.0	26.5	14.7	29.5	82.6	76.7	85.5	115.0	115.0
57.5°	2311.8	498.3	53.1	26.5	14.7	38.3	88.5	97.3	82.6	100.3	112.1
60°	2376.7	460.0	47.2	23.6	14.7	47.2	97.3	135.6	115.0	135.6	135.6
62.5°	2527.0	430.5	41.3	26.5	11.8	53.1	126.8	165.1	129.7	165.1	162.2
65°	2668.6	395.1	38.3	23.6	14.7	61.9	138.6	191.7	141.5	191.7	191.7
67.5°	2724.6	350.9	35.4	23.6	14.7	70.8	138.6	212.3	168.1	215.3	218.2
70°	2627.3	289.0	32.4	26.5	17.7	79.6	144.5	227.1	179.9	250.6	250.6
72.5°	2232.2	197.6	32.4	29.5	35.4	88.5	171.0	235.9	188.7	300.8	303.7
75°	1666.0	112.1	35.4	32.4	38.3	100.3	188.7	244.7	197.6	303.7	303.7
77.5°	949.5	76.7	35.4	38.3	47.2	100.3	197.6	253.6	194.6	297.8	291.9
80°	330.3	56.0	35.4	44.2	59.0	100.3	200.5	250.6	188.7	277.2	277.2
82.5°	224.1	47.2	35.4	44.2	70.8	106.2	197.6	235.9	168.1	232.9	224.1
85°	209.4	38.3	38.3	47.2	76.7	106.2	179.9	203.5	141.5	174.0	171.0
87.5°	206.4	35.4	44.2	50.1	82.6	97.3	153.3	168.1	115.0	141.5	138.6
90°	215.3	35.4	47.2	53.1	76.7	79.6	123.8	141.5	94.4	112.1	109.1
92.5°	230.0	35.4	50.1	59.0	67.8	59.0	100.3	112.1	79.6	85.5	82.6
95°	244.7	35.4	56.0	61.9	56.0	44.2	76.7	91.4	64.9	61.9	61.9
97.5°	162.2	26.5	59.0	61.9	47.2	32.4	59.0	70.8	38.3	32.4	32.4
100°	53.1	20.6	61.9	64.9	44.2	23.6	50.1	53.1	29.5	14.7	14.7
102.5°	23.6	20.6	56.0	56.0	38.3	17.7	35.4	38.3	20.6	5.9	5.9
105°	20.6	11.8	32.4	41.3	26.5	8.8	17.7	20.6	11.8	5.9	5.9
107.5°	23.6	11.8	17.7	23.6	11.8	8.8	8.8	8.8	5.9	5.9	5.9
110°	23.6	11.8	8.8	14.7	11.8	8.8	5.9	5.9	5.9	8.8	8.8

REPORT NUMBER: P561349

CATALOG NUMBER: SDL-PA1-90-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.5	11.8	8.8	11.8	8.8	8.8	5.9	5.9	11.8	20.6	20.6
115°	26.5	11.8	8.8	11.8	8.8	8.8	5.9	2.9	11.8	29.5	32.4
117.5°	29.5	14.7	5.9	8.8	5.9	5.9	5.9	2.9	14.7	38.3	38.3
120°	35.4	14.7	5.9	5.9	5.9	2.9	5.9	5.9	14.7	41.3	41.3
122.5°	35.4	17.7	5.9	5.9	5.9	2.9	2.9	5.9	17.7	38.3	41.3
125°	29.5	14.7	5.9	5.9	5.9	2.9	2.9	5.9	17.7	35.4	41.3
127.5°	23.6	14.7	5.9	5.9	5.9	2.9	2.9	5.9	17.7	29.5	32.4
130°	20.6	11.8	5.9	5.9	5.9	2.9	2.9	5.9	14.7	23.6	26.5
132.5°	14.7	8.8	5.9	5.9	5.9	2.9	2.9	2.9	14.7	23.6	23.6
135°	11.8	8.8	5.9	5.9	5.9	2.9	2.9	2.9	11.8	17.7	17.7
137.5°	5.9	2.9	5.9	5.9	5.9	2.9	2.9	2.9	8.8	8.8	8.8
140°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	5.9	2.9
142.5°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
155°	5.9	5.9	2.9	5.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
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)