

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: P561353

Luminaire Tested: **SDL-PA1-90-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
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-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5522.6 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

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

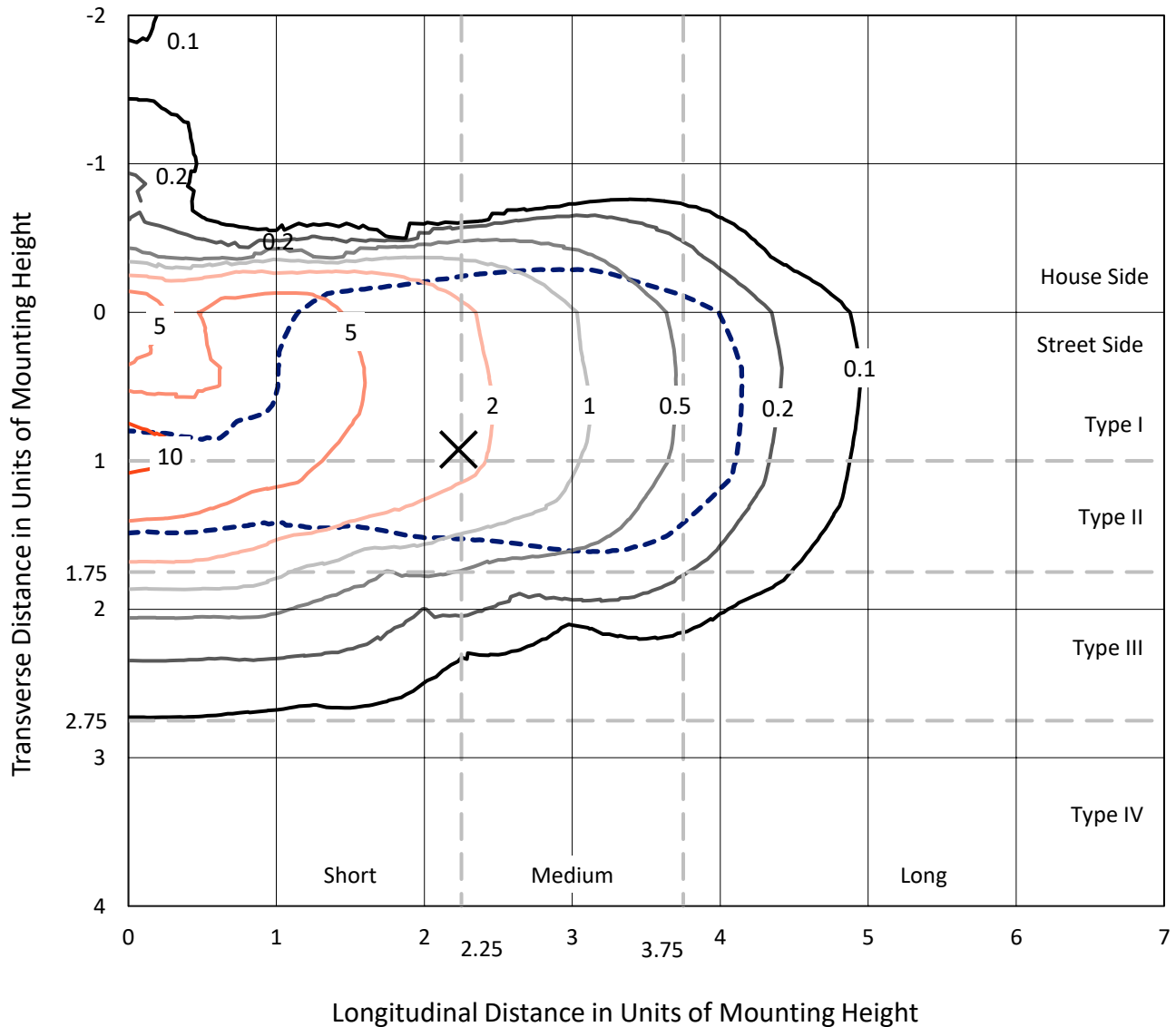


REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

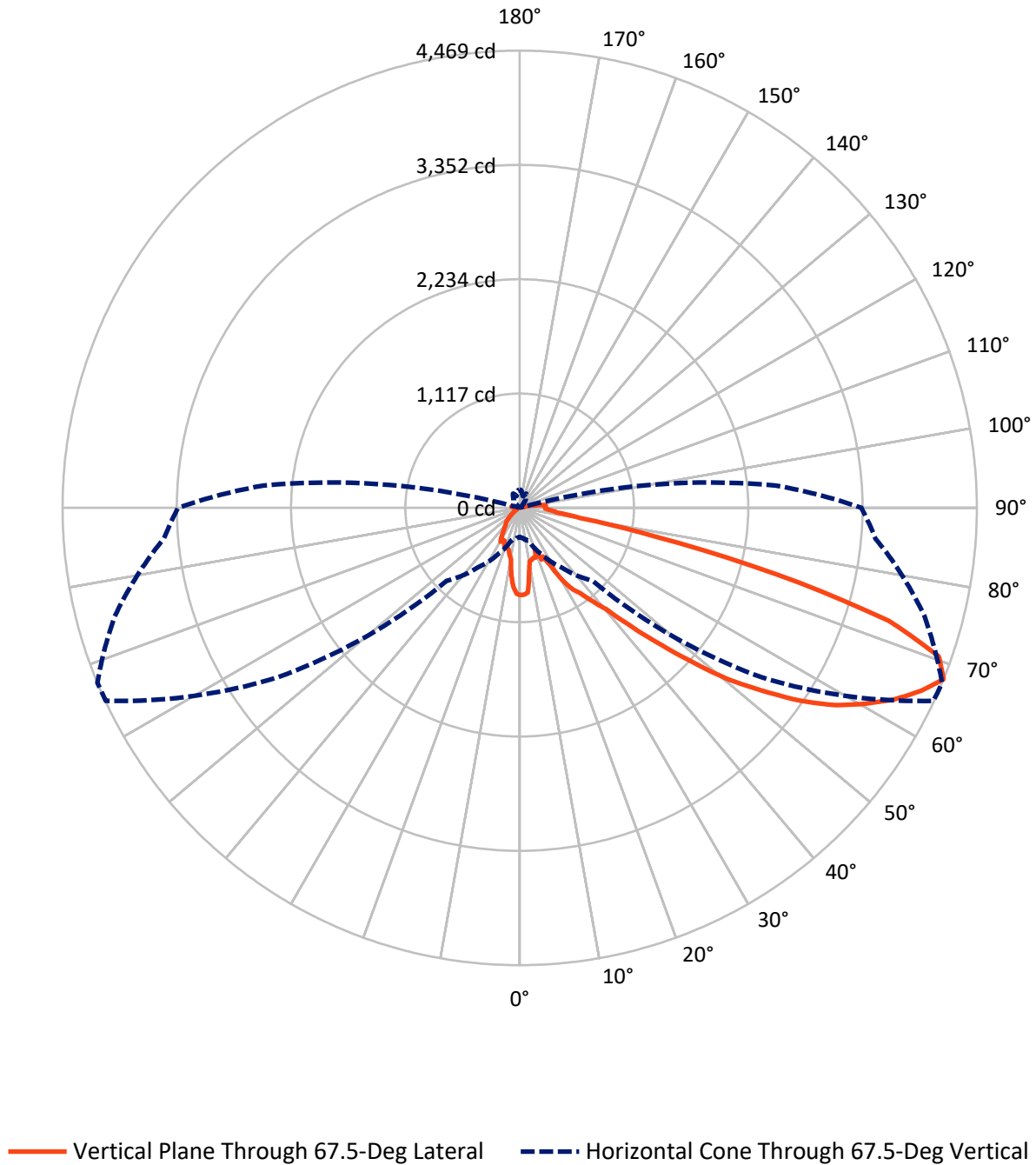


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

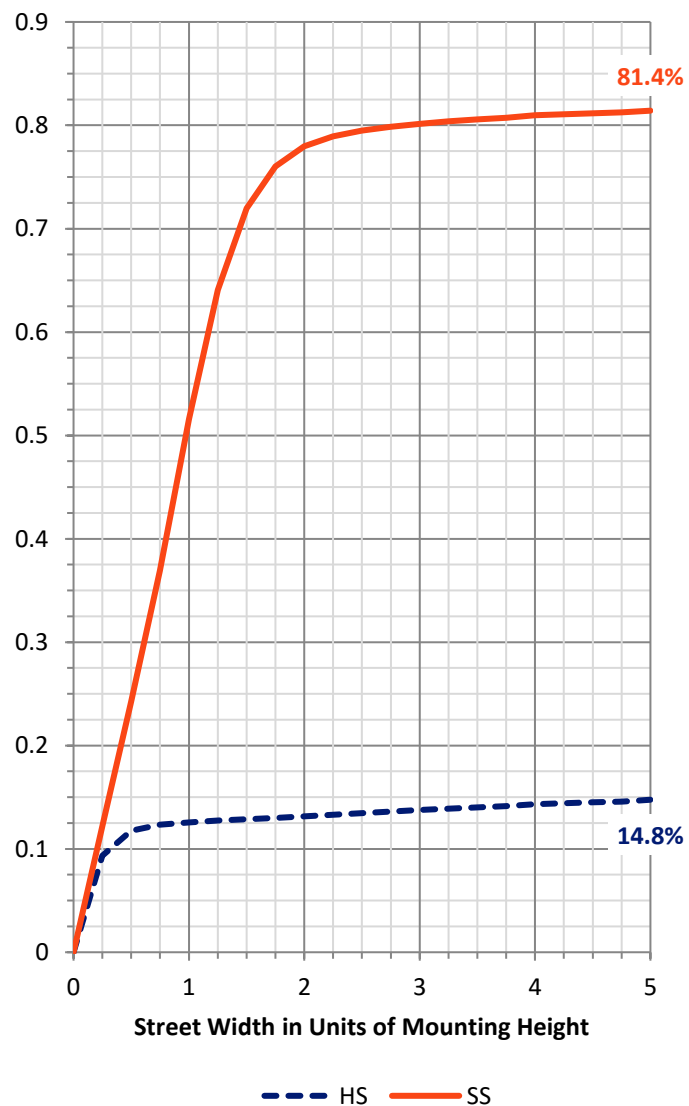
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	864.2	64.3	928.5
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4525.6	68.4	4594.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	5389.8	132.7	5522.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.2
10°-20°	124.8	2.3
20°-30°	188.4	3.4
30°-40°	433.8	7.9
40°-50°	966.9	17.5
50°-60°	1438.8	26.1
60°-70°	1283.2	23.2
70°-80°	720.3	13.0
80°-90°	168.2	3.0
90°-100°	92.3	1.7
100°-110°	21.3	0.4
110°-120°	8.3	0.2
120°-130°	5.5	0.1
130°-140°	2.9	0.1
140°-150°	1.4	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5389.8	97.6
0°-180°	5522.6	100.0

Coefficient of Utilization



REPORT NUMBER: P561353

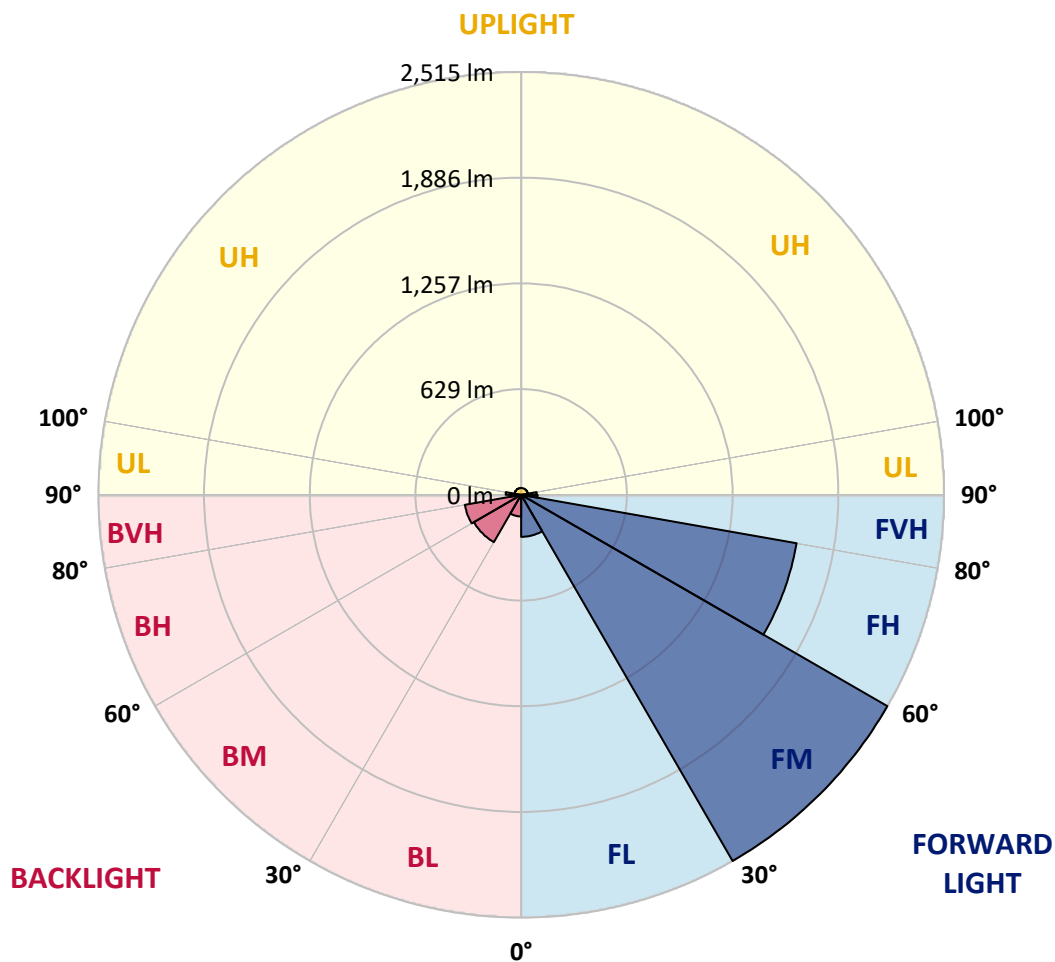
CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.8	4.5			
FM	(30°-60°)	2514.7	45.5			
FH	(60°-80°)	1663.5	30.1			G1/1800
FVH	(80°-90°)	97.6	1.8			G1/100
BL	(0°-30°)	128.8	2.3	B1/500		
BM	(30°-60°)	324.8	5.9	B1/1000		
BH	(60°-80°)	340.0	6.2	B1/500		G1/500
BVH	(80°-90°)	70.6	1.3			G1/100
UL	(90°-100°)	92.3	1.7		U3/500	
UH	(100°-180°)	40.4	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9
2.5°	722.2	763.5	807.7	837.2	843.1	851.9	851.9	849.0	849.0	846.0	846.0
5°	701.6	698.6	701.6	707.5	704.5	704.5	704.5	822.4	831.3	837.2	837.2
7.5°	604.3	619.0	666.2	683.9	689.8	695.7	695.7	686.8	654.4	725.2	734.0
10°	657.4	654.4	654.4	660.3	616.1	598.4	539.5	530.6	530.6	554.2	630.8
12.5°	551.2	583.7	627.9	645.6	595.5	527.7	512.9	524.7	521.8	456.9	533.6
15°	624.9	624.9	619.0	607.3	468.7	524.7	442.2	442.2	504.1	542.4	610.2
17.5°	507.0	521.8	595.5	586.6	515.9	395.0	515.9	474.6	510.0	477.5	512.9
20°	622.0	619.0	622.0	474.6	524.7	542.4	515.9	462.8	421.5	554.2	613.1
22.5°	512.9	507.0	536.5	586.6	495.2	563.0	471.7	563.0	548.3	492.3	442.2
25°	663.3	660.3	666.2	518.8	580.7	504.1	580.7	504.1	527.7	630.8	645.6
27.5°	598.4	595.5	586.6	633.8	551.2	636.7	548.3	616.1	633.8	683.9	793.0
30°	843.1	831.3	801.8	636.7	648.5	613.1	648.5	757.6	816.5	916.8	949.2
32.5°	1229.2	1167.3	972.8	843.1	686.8	784.1	734.0	890.2	946.3	996.4	1022.9
35°	1588.9	1562.4	1420.9	1114.3	837.2	866.7	828.3	996.4	1028.8	1134.9	1129.0
37.5°	2081.2	2037.0	1818.8	1438.5	1052.4	1040.6	943.3	1134.9	1158.5	1311.8	1282.3
40°	2449.6	2414.3	2243.3	1786.4	1338.3	1235.1	1102.5	1326.5	1300.0	1506.3	1465.1
42.5°	2803.4	2782.8	2650.1	2184.3	1653.7	1535.8	1267.6	1562.4	1556.5	1736.3	1700.9
45°	3089.3	3065.7	2980.3	2541.0	2016.3	2019.3	1527.0	1821.8	1863.0	2034.0	1942.6
47.5°	3257.4	3207.2	3145.3	2824.0	2381.8	2482.1	1910.2	2116.5	2216.8	2364.2	2225.6
50°	3219.0	3168.9	3174.8	3003.8	2717.9	2880.0	2319.9	2429.0	2629.5	2744.4	2470.3
52.5°	2912.5	2883.0	2980.3	2971.4	2888.9	3245.6	2797.5	2768.0	2965.5	3042.2	2720.8
55°	2476.2	2434.9	2617.7	2747.4	2888.9	3472.5	3239.7	3145.3	3325.2	3313.4	2891.8
57.5°	1880.7	1895.5	2101.8	2305.2	2653.0	3516.8	3566.9	3555.1	3637.6	3537.4	3027.4
60°	1285.3	1294.1	1585.9	1815.9	2175.5	3283.9	3673.0	3894.1	3885.2	3726.1	3180.7
62.5°	807.7	804.8	1025.8	1388.4	1565.3	2673.7	3631.7	4150.5	4118.1	3867.6	3298.6
65°	465.8	477.5	557.1	919.7	1087.7	1824.7	3393.0	4401.1	4309.7	3994.3	3425.4
67.5°	285.9	294.8	333.1	498.2	710.4	1008.2	2885.9	4463.0	4468.9	4097.5	3493.2
70°	241.7	244.7	262.4	306.6	495.2	566.0	1942.6	4174.1	4345.1	4121.1	3472.5
72.5°	203.4	206.3	232.9	268.3	368.5	400.9	872.6	3449.0	3773.2	3941.3	3322.2
75°	150.3	153.3	191.6	244.7	268.3	321.3	477.5	2284.6	2591.1	3115.9	2832.9
77.5°	97.3	100.2	135.6	197.5	227.0	253.5	386.2	1067.1	1350.1	1801.1	1789.3
80°	64.9	64.9	79.6	138.5	179.8	206.3	336.1	527.7	601.4	742.9	695.7
82.5°	41.3	41.3	50.1	85.5	115.0	206.3	315.4	377.3	365.5	371.4	330.2
85°	17.7	17.7	26.5	47.2	61.9	135.6	283.0	324.3	309.5	309.5	294.8
87.5°	5.9	5.9	8.8	14.7	20.6	41.3	218.1	259.4	250.6	259.4	280.0
90°	5.9	5.9	2.9	5.9	5.9	29.5	176.9	256.5	250.6	262.4	288.9
92.5°	8.8	8.8	2.9	2.9	5.9	23.6	138.5	265.3	256.5	274.1	300.7
95°	14.7	14.7	5.9	2.9	8.8	20.6	85.5	235.8	256.5	271.2	306.6
97.5°	17.7	17.7	5.9	5.9	8.8	17.7	44.2	191.6	197.5	206.3	241.7
100°	23.6	23.6	5.9	5.9	5.9	14.7	23.6	100.2	103.2	73.7	117.9
102.5°	23.6	23.6	5.9	5.9	5.9	8.8	11.8	44.2	41.3	14.7	14.7
105°	26.5	26.5	8.8	5.9	5.9	5.9	5.9	14.7	14.7	8.8	17.7
107.5°	26.5	26.5	8.8	8.8	5.9	5.9	2.9	5.9	8.8	8.8	17.7
110°	20.6	20.6	8.8	8.8	5.9	2.9	2.9	2.9	5.9	8.8	20.6

REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	14.7	14.7	5.9	8.8	5.9	2.9	2.9	2.9	5.9	11.8	29.5
115°	5.9	5.9	2.9	5.9	2.9	2.9	2.9	5.9	5.9	8.8	23.6
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	2.9	8.8	20.6
120°	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	11.8	20.6
122.5°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	11.8	20.6
125°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	8.8	17.7
127.5°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9	17.7
130°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9	11.8
132.5°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9	8.8
135°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	5.9
137.5°	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9
140°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	5.9	5.9	2.9	0.0	5.9	2.9	2.9	2.9	2.9
152.5°	5.9	5.9	5.9	5.9	2.9	0.0	2.9	5.9	2.9	2.9	2.9
155°	5.9	5.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9	8.8
157.5°	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	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

REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9	851.9
2.5°	843.1	843.1	840.1	840.1	831.3	828.3	790.0	748.7	716.3	719.3	719.3
5°	834.2	828.3	819.5	760.5	686.8	675.1	675.1	669.2	666.2	669.2	669.2
7.5°	728.1	722.2	686.8	657.4	660.3	654.4	642.6	639.7	589.6	539.5	536.5
10°	627.9	619.0	524.7	504.1	501.1	521.8	571.9	554.2	536.5	515.9	524.7
12.5°	524.7	521.8	436.3	483.4	421.5	433.3	445.1	427.4	365.5	294.8	303.6
15°	607.3	598.4	495.2	400.9	359.6	362.6	238.8	229.9	185.7	168.0	159.2
17.5°	451.0	495.2	433.3	400.9	362.6	188.7	153.3	117.9	106.1	85.5	88.4
20°	604.3	592.5	495.2	374.4	280.0	159.2	85.5	67.8	82.5	85.5	85.5
22.5°	427.4	415.6	418.6	398.0	197.5	91.4	64.9	67.8	61.9	59.0	59.0
25°	627.9	607.3	507.0	303.6	147.4	59.0	61.9	47.2	56.0	56.0	56.0
27.5°	763.5	692.7	533.6	294.8	82.5	59.0	44.2	47.2	38.3	38.3	38.3
30°	913.8	872.6	698.6	274.1	64.9	47.2	41.3	32.4	35.4	35.4	35.4
32.5°	981.6	925.6	698.6	218.1	56.0	44.2	32.4	29.5	29.5	32.4	32.4
35°	1078.9	1019.9	695.7	144.4	47.2	35.4	26.5	26.5	26.5	26.5	26.5
37.5°	1226.3	1140.8	707.5	91.4	38.3	29.5	20.6	23.6	23.6	50.1	50.1
40°	1391.4	1294.1	675.1	64.9	32.4	23.6	17.7	29.5	41.3	44.2	44.2
42.5°	1600.7	1494.6	627.9	56.0	29.5	17.7	14.7	23.6	35.4	56.0	56.0
45°	1851.2	1692.1	563.0	50.1	23.6	14.7	14.7	29.5	44.2	53.1	53.1
47.5°	2075.3	1883.7	451.0	47.2	20.6	11.8	20.6	32.4	38.3	61.9	61.9
50°	2337.6	2084.1	344.9	41.3	17.7	11.8	32.4	35.4	44.2	56.0	56.0
52.5°	2532.2	2252.1	262.4	38.3	17.7	8.8	32.4	32.4	50.1	64.9	64.9
55°	2688.4	2343.5	188.7	32.4	14.7	8.8	38.3	41.3	44.2	50.1	50.1
57.5°	2809.3	2408.4	147.4	29.5	14.7	20.6	47.2	53.1	47.2	50.1	50.1
60°	2947.8	2440.8	109.1	26.5	11.8	20.6	56.0	70.7	53.1	76.6	73.7
62.5°	3074.6	2464.4	88.4	26.5	11.8	23.6	61.9	88.4	70.7	103.2	106.1
65°	3233.8	2493.9	73.7	20.6	11.8	32.4	73.7	117.9	94.3	135.6	141.5
67.5°	3339.9	2511.6	61.9	20.6	11.8	38.3	103.2	153.3	117.9	171.0	176.9
70°	3351.7	2446.7	50.1	20.6	11.8	59.0	141.5	185.7	147.4	218.1	221.1
72.5°	3198.4	2261.0	41.3	23.6	11.8	64.9	165.1	215.2	173.9	288.9	291.8
75°	2585.2	1585.9	38.3	23.6	11.8	82.5	179.8	235.8	194.6	300.7	306.6
77.5°	1588.9	734.0	35.4	26.5	17.7	91.4	182.8	250.6	203.4	300.7	309.5
80°	616.1	362.6	32.4	29.5	41.3	103.2	197.5	253.5	203.4	280.0	291.8
82.5°	285.9	212.2	32.4	32.4	53.1	106.1	194.6	235.8	188.7	250.6	247.6
85°	256.5	209.3	35.4	35.4	56.0	91.4	153.3	200.5	162.1	197.5	197.5
87.5°	250.6	206.3	38.3	44.2	56.0	53.1	117.9	171.0	138.5	147.4	147.4
90°	256.5	215.2	41.3	50.1	47.2	29.5	94.3	141.5	106.1	94.3	91.4
92.5°	274.1	218.1	50.1	59.0	44.2	23.6	79.6	115.0	76.6	61.9	59.0
95°	288.9	224.0	61.9	70.7	47.2	20.6	70.7	91.4	56.0	38.3	35.4
97.5°	241.7	173.9	70.7	76.6	47.2	20.6	61.9	73.7	44.2	20.6	20.6
100°	103.2	76.6	73.7	82.5	44.2	17.7	53.1	59.0	29.5	8.8	11.8
102.5°	20.6	23.6	64.9	76.6	35.4	11.8	35.4	35.4	20.6	2.9	5.9
105°	20.6	17.7	41.3	64.9	20.6	5.9	14.7	20.6	8.8	2.9	2.9
107.5°	20.6	20.6	14.7	32.4	8.8	5.9	5.9	8.8	5.9	2.9	2.9
110°	23.6	20.6	5.9	8.8	5.9	5.9	5.9	5.9	2.9	14.7	17.7

REPORT NUMBER: P561353

CATALOG NUMBER: SDL-PA1-90-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

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