

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: P561156

Luminaire Tested: **SDL-PA1-80-827-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-827-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4955.9 lumens
Efficiency: N/A
Efficacy: 60.4 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 - U0 - G1

Input Watts (W): 82
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



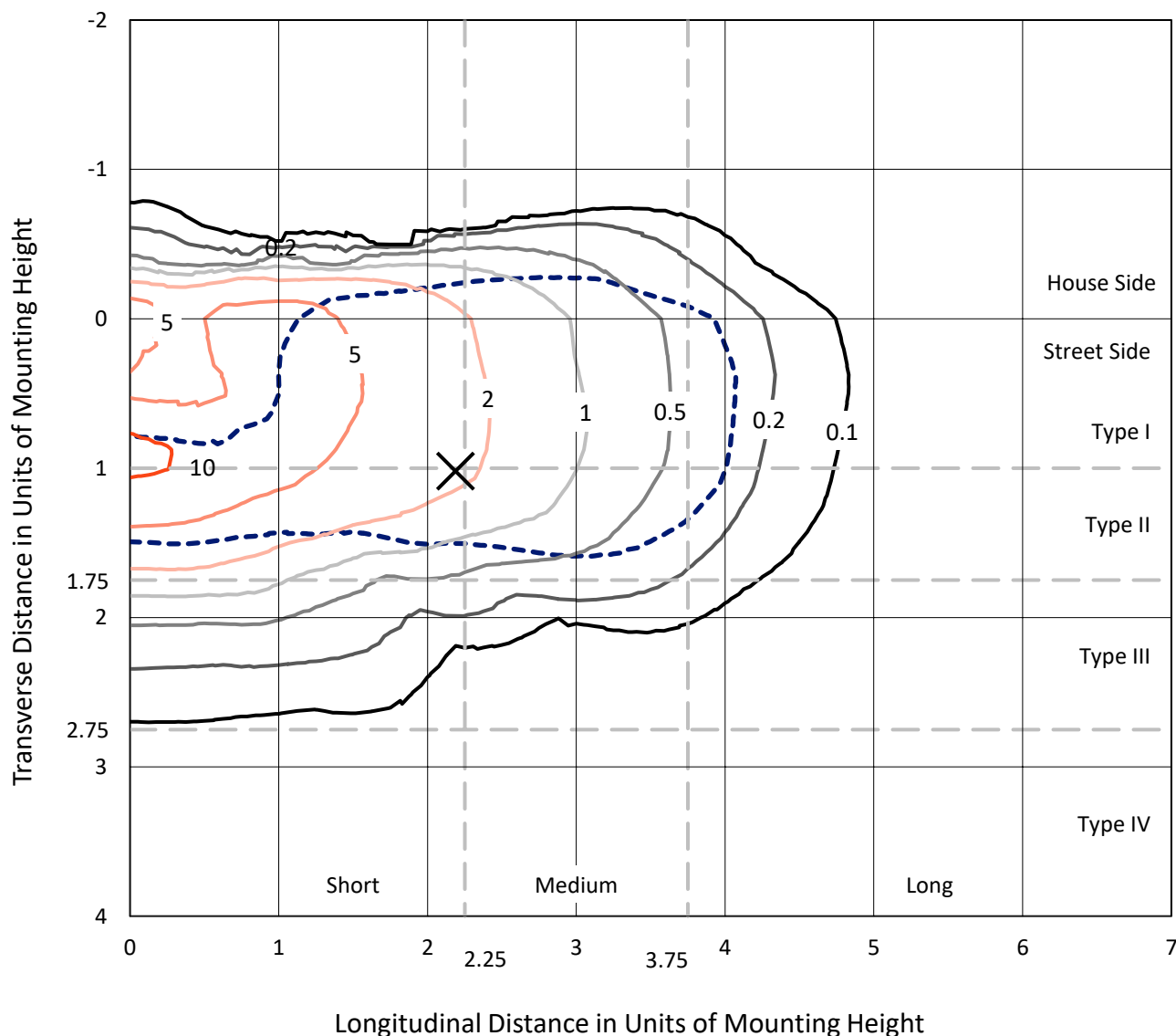
REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

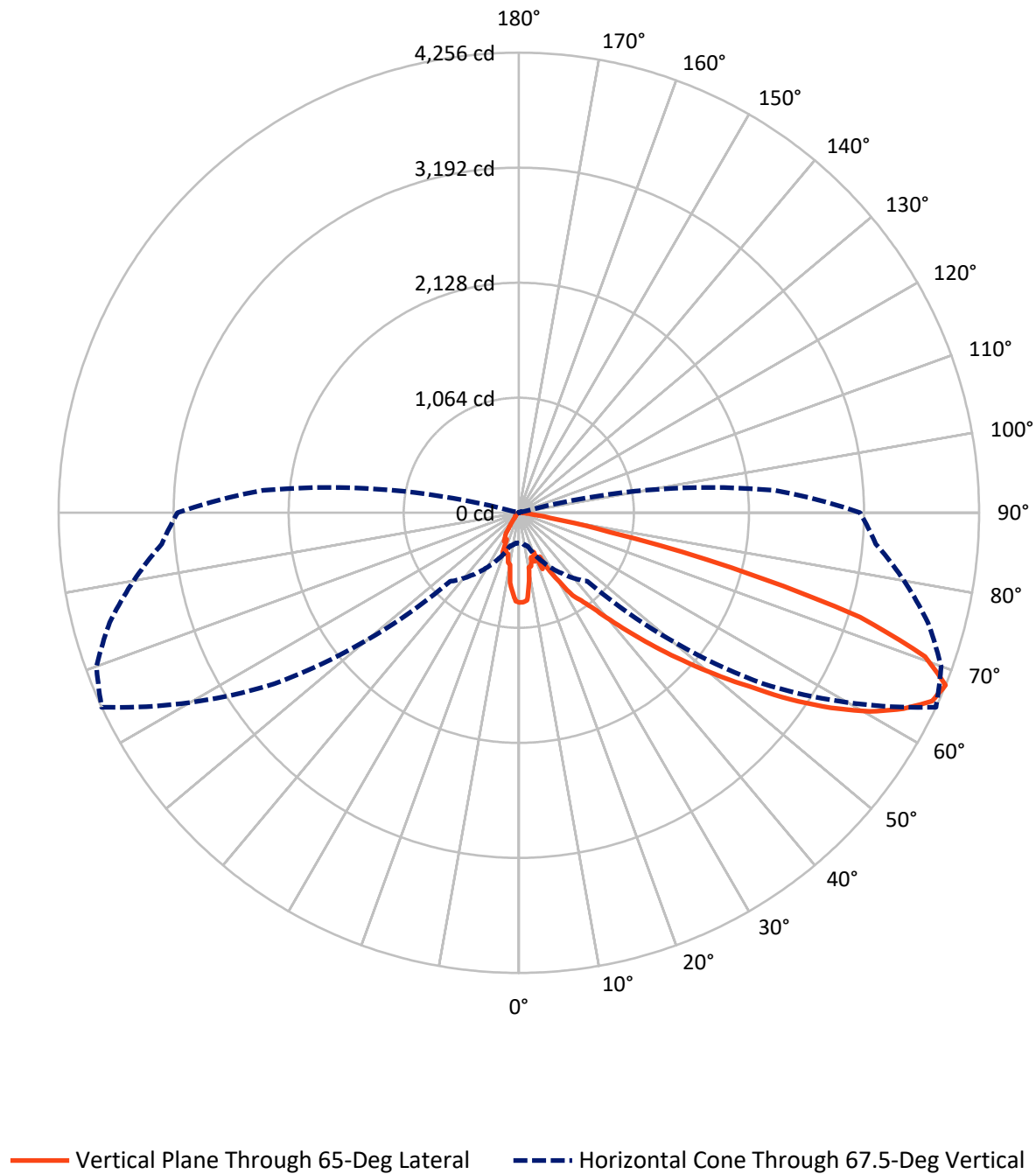


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

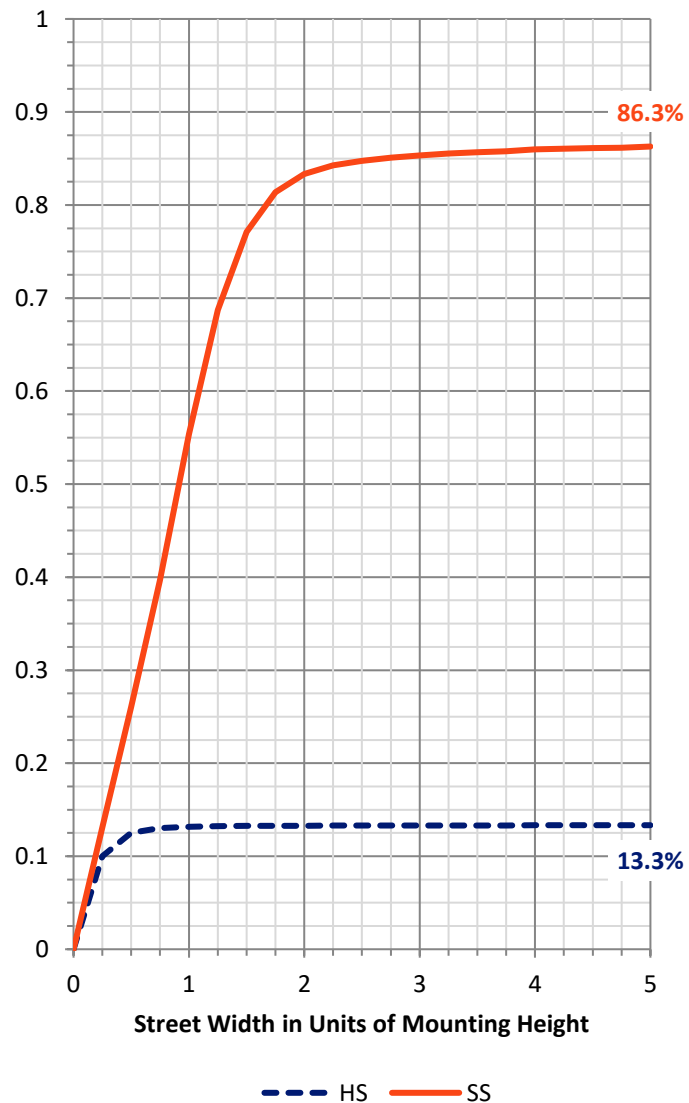
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.1	0.0	670.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4285.7	0.0	4285.7
	% Fixture	86.5	0.0	86.5
Total	Lumens	4955.9	0.0	4955.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.3
10°-20°	123.2	2.5
20°-30°	186.0	3.8
30°-40°	428.4	8.6
40°-50°	939.9	19.0
50°-60°	1379.8	27.8
60°-70°	1198.4	24.2
70°-80°	594.2	12.0
80°-90°	42.2	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4955.9	100.0
0°-180°	4955.9	100.0

Coefficient of Utilization



REPORT NUMBER: P561156

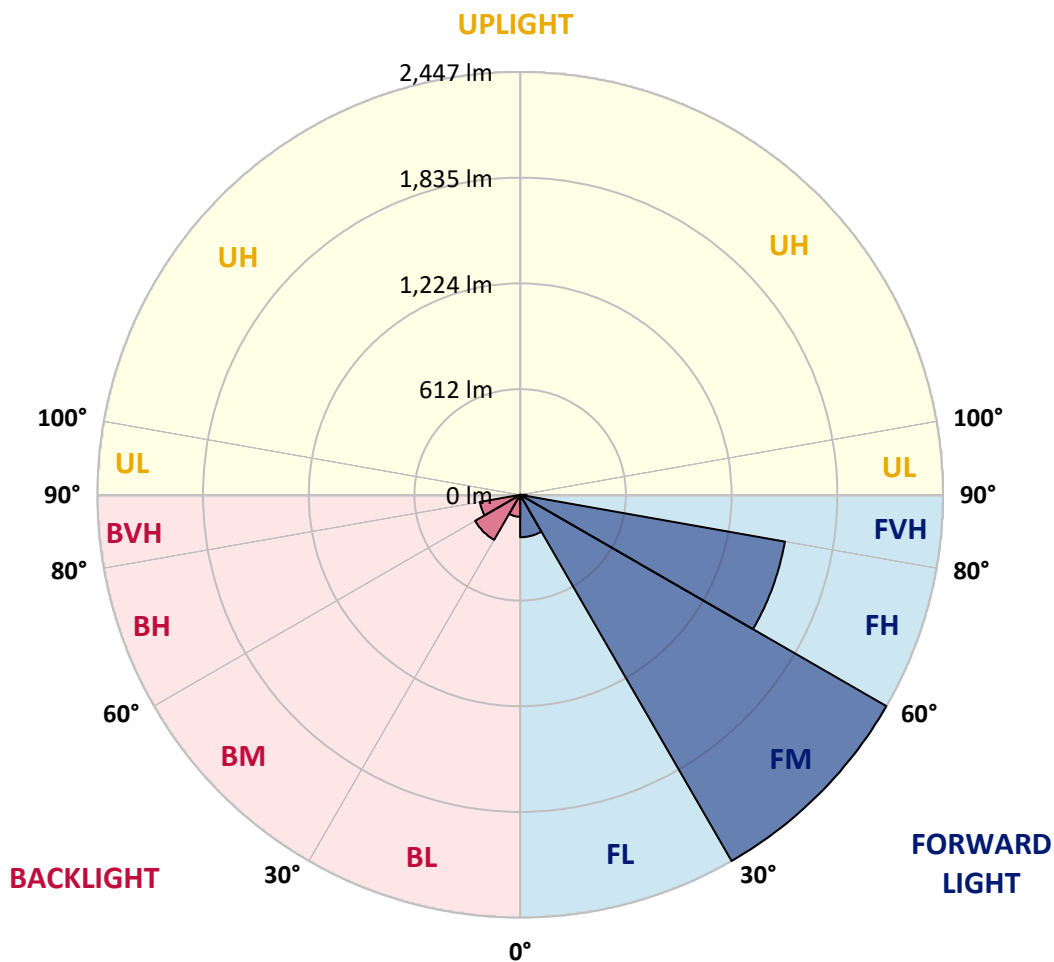
CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.6	5.0			
FM	(30°-60°)	2447.1	49.4			
FH	(60°-80°)	1555.9	31.4			G1/1800
FVH	(80°-90°)	37.1	0.7			G1/100
BL	(0°-30°)	127.3	2.6	B1/500		
BM	(30°-60°)	301.0	6.1	B1/1000		
BH	(60°-80°)	236.8	4.8	B1/500		G1/500
BVH	(80°-90°)	5.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7
2.5°	694.8	752.2	769.7	787.2	802.2	817.2	819.7	822.2	827.2	829.7	832.2
5°	679.8	682.3	682.3	679.8	682.3	684.8	684.8	684.8	684.8	684.8	687.3
7.5°	544.8	609.8	629.8	647.3	657.3	664.8	669.8	672.3	674.8	677.3	679.8
10°	657.3	654.8	657.3	657.3	659.8	659.8	602.3	544.8	564.8	582.3	552.3
12.5°	522.3	574.8	597.3	619.8	634.8	647.3	622.3	594.8	542.3	487.3	489.8
15°	629.8	629.8	629.8	629.8	582.3	532.3	499.8	464.8	492.3	517.3	467.3
17.5°	507.3	507.3	552.3	597.3	597.3	594.8	562.3	527.3	457.3	387.4	449.8
20°	627.3	627.3	629.8	632.3	549.8	467.3	494.8	519.8	529.8	539.8	517.3
22.5°	512.3	512.3	519.8	524.8	554.8	584.8	504.8	424.9	489.8	554.8	509.8
25°	662.3	664.8	669.8	672.3	597.3	519.8	554.8	589.8	519.8	449.8	519.8
27.5°	599.8	589.8	589.8	587.3	612.3	634.8	584.8	534.8	579.8	624.8	572.3
30°	842.2	834.7	824.7	814.7	719.8	624.8	627.3	627.3	609.8	592.3	622.3
32.5°	1167.1	1154.6	1069.6	984.7	914.7	844.7	772.2	699.8	724.8	747.2	732.2
35°	1567.0	1567.0	1487.0	1407.0	1249.6	1092.1	969.7	844.7	834.7	824.7	839.7
37.5°	2041.8	1991.8	1896.9	1801.9	1606.9	1409.5	1222.1	1034.6	1012.2	987.2	962.2
40°	2394.2	2386.7	2314.2	2241.7	2001.8	1761.9	1542.0	1319.5	1247.1	1172.1	1117.1
42.5°	2761.6	2734.1	2676.6	2616.6	2374.2	2129.3	1894.4	1656.9	1557.0	1457.0	1359.5
45°	3026.5	3019.0	2969.0	2919.0	2721.6	2521.6	2276.7	2029.3	1964.3	1899.3	1716.9
47.5°	3191.4	3148.9	3128.9	3106.4	2936.5	2766.6	2559.1	2349.2	2339.2	2326.7	2096.8
50°	3141.4	3103.9	3108.9	3113.9	3031.5	2949.0	2791.5	2631.6	2659.1	2686.6	2496.6
52.5°	2876.5	2844.0	2889.0	2931.5	2929.0	2926.5	2869.0	2809.0	2909.0	3006.5	2876.5
55°	2346.7	2369.2	2459.2	2549.1	2609.1	2666.6	2749.1	2829.0	3019.0	3206.4	3181.4
57.5°	1839.4	1889.4	1981.8	2071.8	2169.3	2264.2	2439.2	2614.1	2934.0	3251.4	3361.3
60°	1234.6	1267.1	1429.5	1589.5	1679.4	1769.4	1959.3	2146.8	2581.6	3014.0	3301.4
62.5°	767.2	784.7	877.2	969.7	1152.1	1334.5	1429.5	1522.0	1991.8	2459.2	2991.5
65°	472.3	467.3	504.8	539.8	719.8	897.2	959.7	1019.7	1332.0	1641.9	2469.2
67.5°	282.4	279.9	299.9	319.9	402.4	484.8	582.3	679.8	789.7	897.2	1829.4
70°	229.9	234.9	242.4	249.9	272.4	294.9	384.9	474.8	472.3	469.8	1099.6
72.5°	192.4	197.4	212.4	224.9	242.4	257.4	309.9	359.9	337.4	314.9	524.8
75°	142.5	145.0	164.9	182.4	209.9	234.9	247.4	257.4	247.4	237.4	264.9
77.5°	95.0	95.0	112.5	130.0	157.4	184.9	199.9	214.9	197.4	179.9	187.4
80°	60.0	60.0	70.0	77.5	105.0	132.5	149.9	167.4	152.4	135.0	132.5
82.5°	35.0	37.5	42.5	47.5	65.0	82.5	95.0	107.5	125.0	140.0	112.5
85°	15.0	17.5	22.5	25.0	35.0	42.5	50.0	57.5	72.5	87.5	72.5
87.5°	2.5	2.5	5.0	7.5	10.0	12.5	12.5	12.5	12.5	10.0	12.5
90°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0

REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7
2.5°	832.2	829.7	827.2	827.2	827.2	824.7	822.2	822.2	822.2	819.7	817.2
5°	687.3	749.7	812.2	814.7	819.7	817.2	814.7	812.2	809.7	807.2	802.2
7.5°	679.8	674.8	669.8	652.3	712.3	712.3	709.8	709.8	704.8	684.8	664.8
10°	519.8	517.3	512.3	519.8	532.3	574.8	614.8	612.3	604.8	557.3	509.8
12.5°	492.3	499.8	507.3	482.3	434.9	474.8	514.8	509.8	504.8	462.3	417.4
15°	417.4	422.4	427.4	467.3	539.8	577.3	612.3	607.3	602.3	552.3	499.8
17.5°	512.3	492.3	472.3	499.8	474.8	492.3	509.8	489.8	474.8	454.8	434.9
20°	492.3	439.8	387.4	467.3	559.8	589.8	619.8	612.3	597.3	549.8	499.8
22.5°	462.3	514.8	564.8	539.8	494.8	467.3	439.8	427.4	417.4	419.9	422.4
25°	587.3	519.8	449.8	569.8	642.3	652.3	659.8	637.3	612.3	559.8	504.8
27.5°	517.3	567.3	614.8	662.3	687.3	694.8	699.8	732.2	679.8	609.8	539.8
30°	652.3	694.8	737.2	842.2	927.2	942.2	957.2	919.7	877.2	792.2	707.3
32.5°	717.3	814.7	909.7	959.7	994.7	1007.2	1019.7	969.7	922.2	812.2	699.8
35°	852.2	924.7	997.2	1054.6	1122.1	1124.6	1127.1	1072.1	1012.2	852.2	692.3
37.5°	934.7	1029.6	1122.1	1187.1	1292.1	1284.6	1277.1	1212.1	1139.6	914.7	689.8
40°	1059.6	1182.1	1302.1	1364.5	1492.0	1469.5	1447.0	1372.0	1292.1	982.2	672.3
42.5°	1262.1	1392.0	1522.0	1574.5	1714.4	1689.4	1661.9	1562.0	1459.5	1037.1	614.8
45°	1532.0	1649.4	1766.9	1859.4	1969.3	1929.3	1889.4	1781.9	1631.9	1084.6	537.3
47.5°	1864.4	1951.8	2039.3	2221.7	2301.7	2221.7	2139.3	2009.3	1819.4	1124.6	429.9
50°	2306.7	2326.7	2344.2	2571.6	2651.6	2529.1	2406.7	2239.2	2011.8	1169.6	324.9
52.5°	2744.1	2706.6	2666.6	2911.5	2941.5	2779.0	2614.1	2439.2	2154.3	1194.6	232.4
55°	3156.4	3103.9	3049.0	3223.9	3203.9	2989.0	2774.0	2561.6	2241.7	1202.1	162.4
57.5°	3471.3	3438.8	3403.8	3483.8	3408.8	3156.4	2904.0	2691.6	2306.7	1214.6	120.0
60°	3586.3	3658.7	3731.2	3721.2	3583.8	3316.4	3049.0	2824.0	2346.7	1219.6	90.0
62.5°	3523.8	3758.7	3991.1	3896.2	3728.7	3446.3	3161.4	2944.0	2364.2	1217.1	70.0
65°	3296.4	3748.7	4198.6	4041.1	3831.2	3548.8	3266.4	3071.4	2384.2	1219.6	55.0
67.5°	2759.1	3508.8	4256.0	4156.1	3916.2	3616.3	3313.9	3156.4	2374.2	1209.6	45.0
70°	1726.9	2856.5	3986.1	4063.6	3916.2	3586.3	3256.4	3131.4	2284.2	1159.6	35.0
72.5°	732.2	2016.8	3301.4	3638.8	3741.2	3421.3	3101.4	2946.5	2091.8	1059.6	27.5
75°	289.9	1159.6	2029.3	2564.1	2879.0	2744.1	2606.6	2399.2	1372.0	697.3	20.0
77.5°	194.9	529.8	864.7	1259.6	1502.0	1554.5	1606.9	1369.5	547.3	282.4	15.0
80°	130.0	212.4	294.9	452.3	539.8	509.8	477.3	392.4	167.4	90.0	12.5
82.5°	82.5	110.0	137.5	154.9	159.9	115.0	70.0	57.5	20.0	15.0	7.5
85°	55.0	65.0	75.0	77.5	77.5	55.0	30.0	15.0	7.5	7.5	5.0
87.5°	15.0	17.5	17.5	17.5	12.5	10.0	7.5	5.0	5.0	5.0	5.0
90°	7.5	10.0	10.0	10.0	7.5	7.5	5.0	5.0	5.0	5.0	5.0

REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7	829.7
2.5°	817.2	817.2	814.7	812.2	812.2	809.7	784.7	757.2	732.2	704.8	702.3
5°	769.7	734.7	702.3	669.8	664.8	657.3	657.3	654.8	654.8	652.3	652.3
7.5°	659.8	654.8	649.8	644.8	642.3	637.3	634.8	629.8	627.3	622.3	594.8
10°	499.8	487.3	487.3	484.8	489.8	494.8	492.3	487.3	519.8	552.3	549.8
12.5°	444.8	469.8	447.3	422.4	429.9	434.9	442.3	449.8	447.3	442.3	404.9
15°	447.3	392.4	374.9	354.9	364.9	372.4	307.4	239.9	227.4	214.9	199.9
17.5°	417.4	399.9	387.4	372.4	284.9	194.9	174.9	154.9	137.5	117.5	115.0
20°	422.4	342.4	319.9	294.9	227.4	159.9	122.5	85.0	75.0	65.0	75.0
22.5°	412.4	399.9	292.4	184.9	137.5	90.0	75.0	57.5	62.5	67.5	67.5
25°	387.4	269.9	209.9	149.9	105.0	57.5	60.0	60.0	55.0	47.5	52.5
27.5°	419.9	297.4	189.9	80.0	70.0	57.5	52.5	45.0	45.0	45.0	42.5
30°	484.8	259.9	162.4	65.0	55.0	45.0	42.5	40.0	37.5	32.5	35.0
32.5°	459.8	219.9	137.5	55.0	47.5	40.0	35.0	30.0	30.0	30.0	30.0
35°	417.4	140.0	95.0	47.5	40.0	32.5	30.0	25.0	25.0	25.0	25.0
37.5°	389.9	90.0	65.0	37.5	32.5	27.5	25.0	20.0	20.0	20.0	22.5
40°	367.4	62.5	47.5	32.5	27.5	20.0	17.5	15.0	17.5	17.5	17.5
42.5°	334.9	52.5	40.0	27.5	22.5	17.5	15.0	12.5	15.0	15.0	15.0
45°	292.4	47.5	35.0	22.5	20.0	15.0	12.5	10.0	12.5	12.5	12.5
47.5°	234.9	40.0	30.0	20.0	17.5	12.5	12.5	10.0	10.0	10.0	10.0
50°	182.4	37.5	27.5	17.5	15.0	10.0	10.0	7.5	10.0	10.0	10.0
52.5°	132.5	32.5	25.0	15.0	12.5	7.5	7.5	7.5	7.5	7.5	7.5
55°	95.0	27.5	20.0	12.5	10.0	7.5	7.5	5.0	7.5	7.5	7.5
57.5°	72.5	25.0	17.5	10.0	7.5	5.0	5.0	5.0	5.0	5.0	5.0
60°	57.5	22.5	17.5	10.0	7.5	5.0	5.0	2.5	5.0	5.0	5.0
62.5°	45.0	17.5	15.0	10.0	7.5	5.0	5.0	2.5	5.0	5.0	5.0
65°	35.0	15.0	12.5	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	30.0	12.5	10.0	7.5	5.0	2.5	5.0	5.0	5.0	5.0	5.0
70°	25.0	12.5	10.0	7.5	5.0	2.5	5.0	5.0	7.5	7.5	5.0
72.5°	20.0	10.0	7.5	5.0	5.0	2.5	5.0	5.0	7.5	7.5	5.0
75°	15.0	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	5.0
77.5°	12.5	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
80°	10.0	5.0	5.0	5.0	2.5	0.0	5.0	10.0	10.0	7.5	7.5
82.5°	7.5	5.0	5.0	5.0	2.5	0.0	5.0	10.0	10.0	7.5	7.5
85°	5.0	5.0	5.0	5.0	5.0	2.5	7.5	10.0	10.0	7.5	7.5
87.5°	5.0	5.0	5.0	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
90°	5.0	5.0	7.5	7.5	5.0	2.5	5.0	7.5	7.5	7.5	7.5

REPORT NUMBER: P561156

CATALOG NUMBER: SDL-PA1-80-827-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	829.7	829.7	829.7	829.7
2.5°	697.3	702.3	704.8	699.8
5°	649.8	649.8	647.3	654.8
7.5°	564.8	549.8	532.3	519.8
10°	544.8	532.3	519.8	522.3
12.5°	364.9	327.4	289.9	302.4
15°	184.9	174.9	164.9	164.9
17.5°	110.0	100.0	87.5	90.0
20°	82.5	82.5	82.5	82.5
22.5°	65.0	62.5	57.5	55.0
25°	55.0	55.0	55.0	55.0
27.5°	40.0	40.0	37.5	35.0
30°	35.0	35.0	35.0	32.5
32.5°	27.5	30.0	30.0	30.0
35°	25.0	25.0	25.0	25.0
37.5°	22.5	22.5	20.0	20.0
40°	17.5	17.5	17.5	17.5
42.5°	15.0	15.0	15.0	15.0
45°	12.5	12.5	12.5	12.5
47.5°	10.0	10.0	10.0	10.0
50°	10.0	10.0	7.5	7.5
52.5°	7.5	7.5	5.0	5.0
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	2.5	2.5
60°	5.0	5.0	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	0.0	0.0
67.5°	2.5	2.5	0.0	0.0
70°	2.5	2.5	0.0	0.0
72.5°	2.5	2.5	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	5.0	2.5	0.0	0.0
80°	5.0	5.0	2.5	0.0
82.5°	5.0	5.0	2.5	0.0
85°	5.0	5.0	2.5	0.0
87.5°	5.0	5.0	2.5	0.0
90°	5.0	5.0	2.5	0.0

(END OF REPORT)