

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: P560985

Luminaire Tested: **SDL-PA1-70-827-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6223.8 lumens
Efficiency: N/A
Efficacy: 86.2 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 - U0 - G2

Input Watts (W): 72.2
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

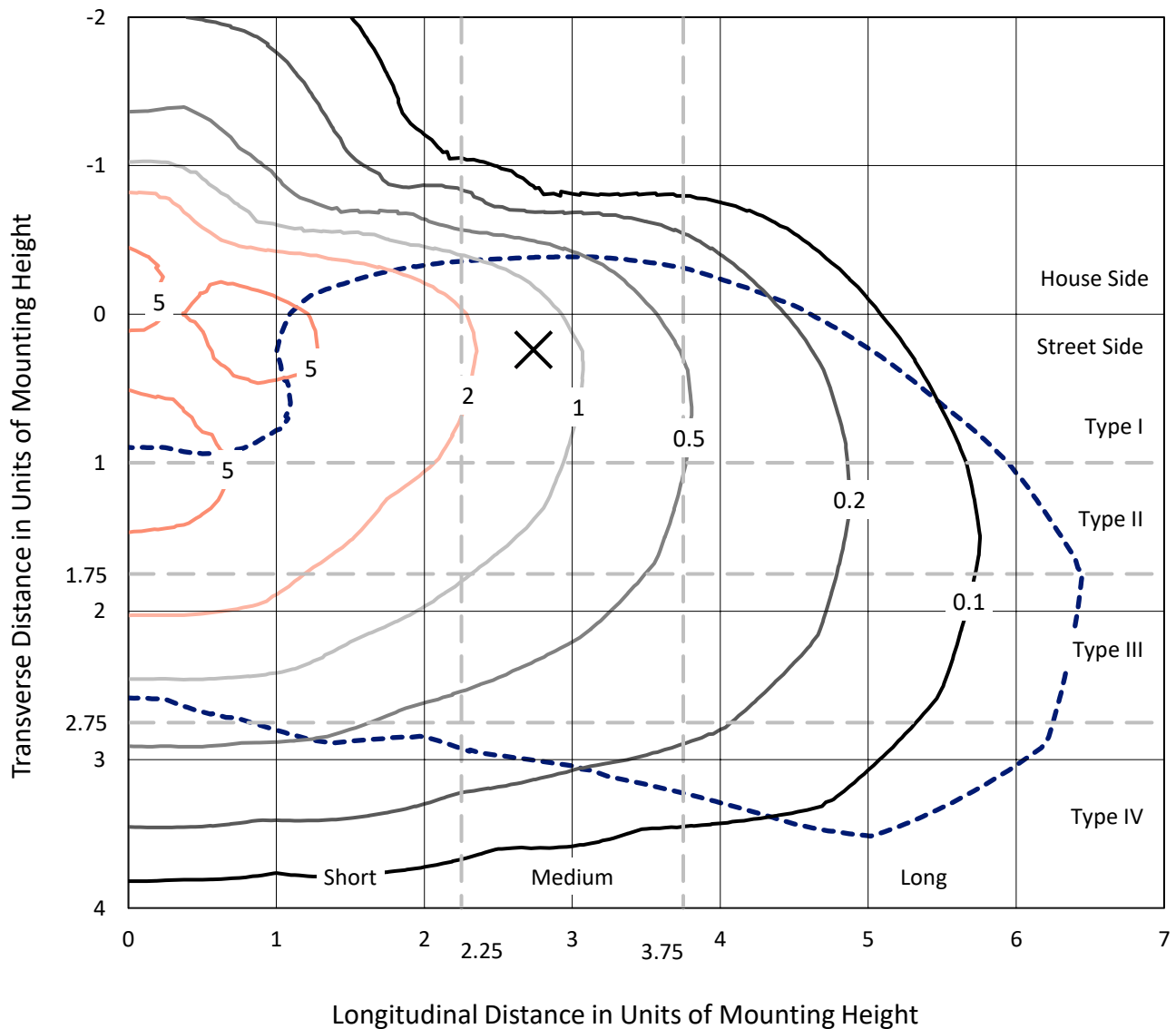


REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

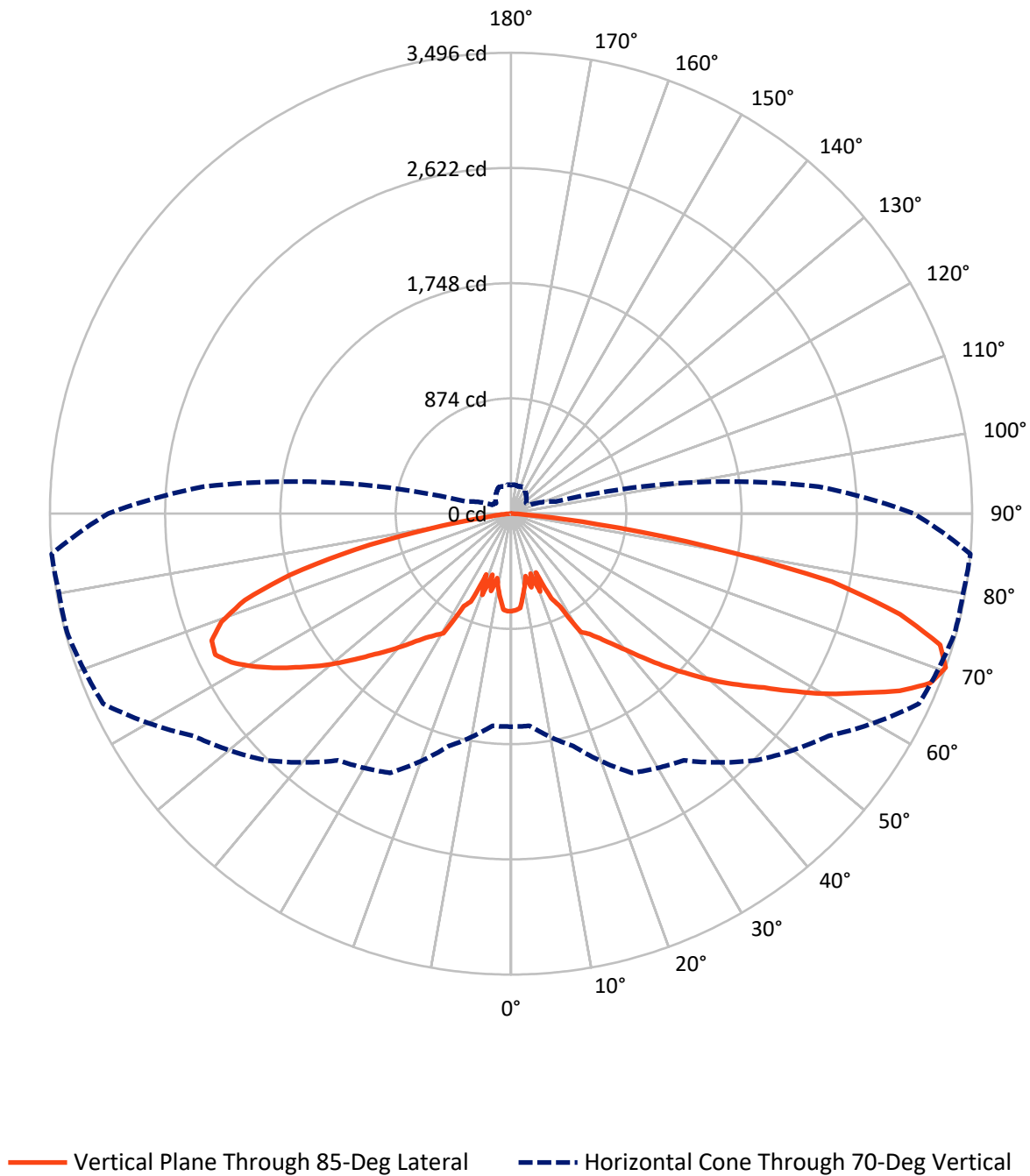


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

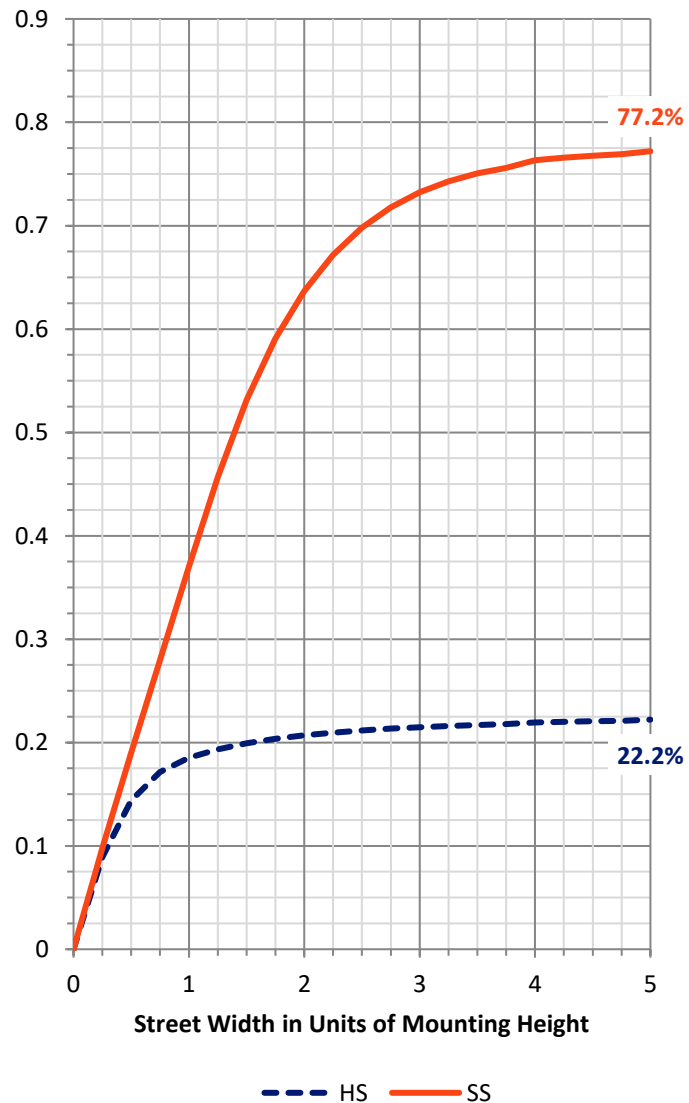
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.2	0.0	1407.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4816.6	0.0	4816.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	6223.8	0.0	6223.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.0
10°-20°	150.3	2.4
20°-30°	274.7	4.4
30°-40°	518.7	8.3
40°-50°	844.9	13.6
50°-60°	1303.5	20.9
60°-70°	1597.7	25.7
70°-80°	1251.2	20.1
80°-90°	222.8	3.6
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°	6223.8	100.0
0°-180°	6223.8	100.0

Coefficient of Utilization



REPORT NUMBER: P560985

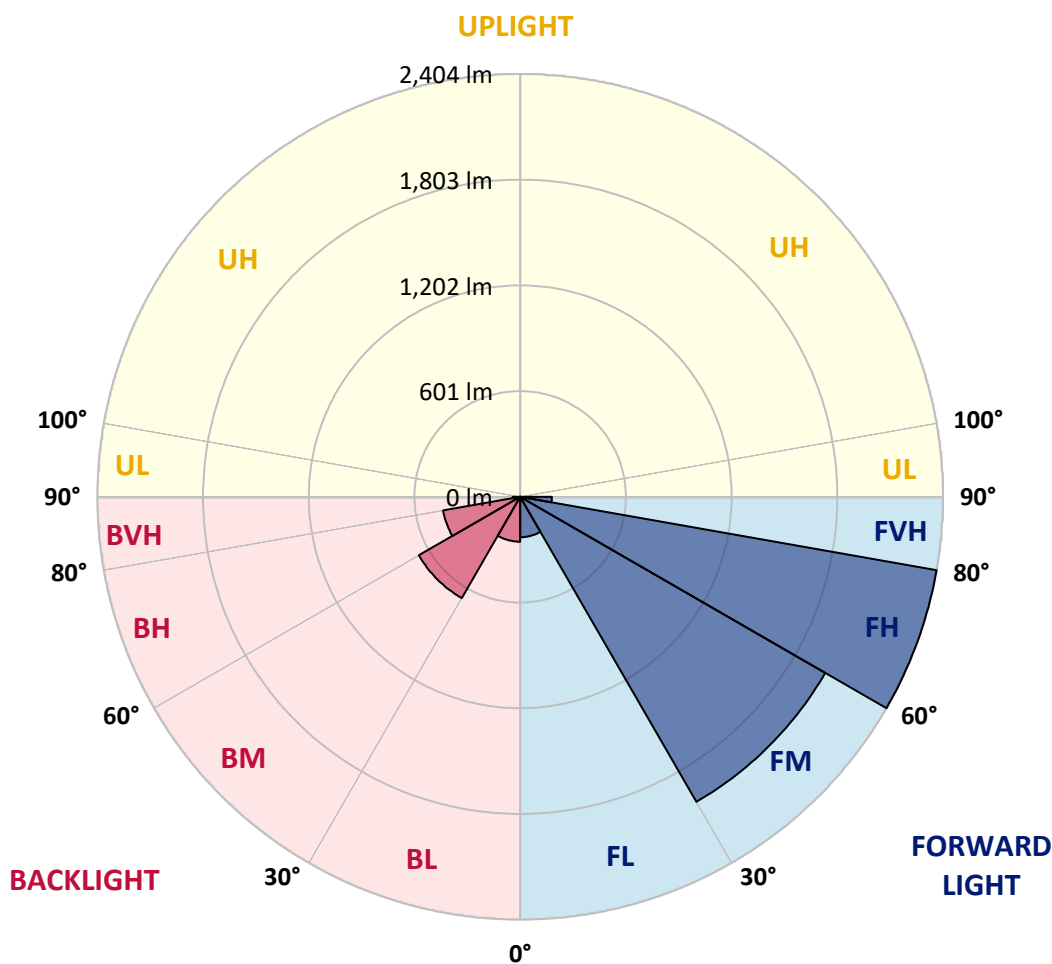
CATALOG NUMBER: SDL-PA1-70-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.8	3.7			
FM	(30°-60°)	2002.3	32.2			
FH	(60°-80°)	2404.0	38.6			G2/5000
FVH	(80°-90°)	180.4	2.9			G2/225
BL	(0°-30°)	255.2	4.1	B1/500		
BM	(30°-60°)	664.7	10.7	B1/1000		
BH	(60°-80°)	444.9	7.1	B1/500		G1/500
BVH	(80°-90°)	42.4	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	609.6	664.2	664.2	664.2	675.6	684.7	689.3	691.5	700.6	707.5	712.0
5°	568.7	571.0	571.0	571.0	573.2	575.5	577.8	580.1	584.6	586.9	593.7
7.5°	477.7	486.8	505.0	520.9	532.3	543.7	552.8	559.6	564.1	568.7	571.0
10°	532.3	532.3	532.3	532.3	532.3	532.3	505.0	477.7	480.0	480.0	466.3
12.5°	445.9	459.5	480.0	498.2	514.1	527.7	509.5	491.3	457.2	423.1	423.1
15°	516.4	516.4	514.1	511.8	482.2	452.7	425.4	398.1	416.3	434.5	402.6
17.5°	443.6	445.9	473.2	498.2	493.6	486.8	461.8	434.5	391.3	345.8	391.3
20°	568.7	561.9	548.2	534.6	470.9	407.2	418.6	429.9	441.3	450.4	450.4
22.5°	523.2	527.7	536.8	545.9	539.1	530.0	464.1	398.1	436.8	475.4	441.3
25°	716.5	716.5	689.3	662.0	593.7	523.2	534.6	543.7	477.7	409.5	466.3
27.5°	662.0	657.4	646.0	632.4	646.0	657.4	598.3	536.8	555.0	573.2	525.5
30°	880.3	880.3	869.0	857.6	759.8	659.7	652.9	643.8	605.1	564.1	591.4
32.5°	1055.5	1053.2	1000.9	948.6	894.0	837.1	778.0	716.5	712.0	707.5	702.9
35°	1264.8	1264.8	1235.2	1205.6	1085.1	962.2	891.7	821.2	800.7	780.2	796.2
37.5°	1383.1	1399.0	1387.6	1374.0	1242.0	1107.8	1010.0	909.9	889.4	869.0	875.8
40°	1546.8	1542.3	1540.0	1535.5	1383.1	1230.6	1126.0	1019.1	1005.4	991.8	991.8
42.5°	1794.8	1769.8	1742.5	1712.9	1558.2	1403.5	1287.5	1169.2	1144.2	1116.9	1119.2
45°	2136.0	2108.7	2045.0	1979.0	1822.1	1665.1	1510.4	1355.8	1312.5	1267.0	1262.5
47.5°	2345.3	2315.7	2283.9	2249.7	2081.4	1913.1	1753.8	1592.3	1528.6	1464.9	1439.9
50°	2561.4	2534.1	2509.1	2484.0	2336.2	2188.3	2029.1	1869.9	1769.8	1669.7	1626.5
52.5°	2766.1	2716.1	2691.0	2666.0	2540.9	2413.5	2247.5	2081.4	2006.3	1931.3	1838.0
55°	2866.2	2804.8	2795.7	2784.3	2691.0	2595.5	2436.3	2277.0	2192.9	2106.4	2013.2
57.5°	2725.2	2729.7	2779.8	2829.8	2777.5	2725.2	2575.0	2424.9	2340.7	2256.6	2186.0
60°	2597.8	2631.9	2693.3	2754.7	2759.3	2761.6	2681.9	2602.3	2509.1	2415.8	2361.2
62.5°	2422.6	2447.6	2543.2	2636.4	2707.0	2775.2	2693.3	2611.4	2579.6	2545.5	2511.3
65°	2186.0	2192.9	2302.1	2409.0	2536.4	2661.5	2597.8	2534.1	2588.7	2641.0	2645.5
67.5°	1897.2	1917.6	2024.5	2131.5	2286.1	2438.5	2436.3	2434.0	2550.0	2663.7	2743.4
70°	1615.1	1615.1	1719.7	1824.4	1997.2	2170.1	2227.0	2283.9	2463.6	2643.3	2791.1
72.5°	1217.0	1273.9	1328.5	1383.1	1576.4	1767.5	1892.6	2017.7	2286.1	2552.3	2777.5
75°	671.1	675.6	723.4	771.1	964.5	1157.9	1346.7	1535.5	1894.9	2254.3	2609.2
77.5°	220.7	213.8	241.1	266.1	379.9	491.3	650.6	809.8	1205.6	1601.4	2172.4
80°	122.8	125.1	134.2	143.3	179.7	213.8	291.2	368.5	536.8	702.9	1380.8
82.5°	81.9	84.2	93.3	102.4	118.3	134.2	177.4	218.4	234.3	247.9	623.3
85°	52.3	54.6	59.1	63.7	68.2	70.5	100.1	129.7	118.3	106.9	186.5
87.5°	11.4	11.4	13.6	13.6	15.9	18.2	22.7	27.3	25.0	20.5	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	714.3	718.8	721.1	723.4	725.6	730.2	732.5	734.7	739.3	741.6	741.6
5°	600.5	641.5	680.2	693.8	707.5	714.3	718.8	725.6	730.2	734.7	739.3
7.5°	573.2	575.5	577.8	593.7	609.6	623.3	636.9	641.5	652.9	646.0	636.9
10°	450.4	452.7	452.7	468.6	484.5	532.3	564.1	571.0	577.8	550.5	520.9
12.5°	420.8	432.2	443.6	436.8	429.9	464.1	486.8	495.9	500.4	482.2	464.1
15°	368.5	379.9	389.0	441.3	493.6	539.1	580.1	591.4	605.1	575.5	543.7
17.5°	436.8	432.2	425.4	434.5	443.6	455.0	477.7	484.5	484.5	493.6	502.7
20°	450.4	400.4	350.3	443.6	536.8	577.8	630.1	648.3	652.9	627.8	602.8
22.5°	404.9	461.8	518.6	507.3	495.9	484.5	484.5	491.3	498.2	502.7	507.3
25°	520.9	473.2	425.4	534.6	643.8	687.0	712.0	723.4	732.5	700.6	666.5
27.5°	477.7	541.4	602.8	650.6	698.4	746.1	798.4	848.5	787.1	757.5	727.9
30°	616.5	668.8	721.1	834.8	948.6	1010.0	1041.8	1041.8	1041.8	998.6	953.1
32.5°	698.4	789.3	880.3	941.8	1000.9	1062.3	1087.3	1087.3	1087.3	1035.0	980.4
35°	809.8	882.6	955.4	1025.9	1096.4	1144.2	1162.4	1155.6	1141.9	1071.4	1000.9
37.5°	882.6	980.4	1078.2	1151.0	1221.5	1251.1	1257.9	1237.5	1217.0	1123.7	1028.2
40°	991.8	1098.7	1203.3	1280.7	1358.0	1383.1	1369.4	1342.1	1305.7	1180.6	1055.5
42.5°	1119.2	1226.1	1333.0	1424.0	1512.7	1528.6	1508.2	1464.9	1401.3	1230.6	1057.8
45°	1257.9	1364.9	1469.5	1571.9	1674.2	1685.6	1658.3	1594.6	1501.3	1278.4	1055.5
47.5°	1412.6	1496.8	1581.0	1726.5	1872.1	1858.5	1817.5	1744.7	1621.9	1335.3	1046.4
50°	1583.2	1649.2	1712.9	1894.9	2076.9	2035.9	1990.4	1910.8	1749.3	1401.3	1050.9
52.5°	1742.5	1806.2	1869.9	2058.7	2245.2	2206.5	2156.5	2086.0	1879.0	1471.8	1062.3
55°	1919.9	1988.1	2056.4	2256.6	2456.7	2390.8	2327.1	2281.6	2006.3	1530.9	1055.5
57.5°	2113.3	2199.7	2286.1	2470.4	2652.4	2581.9	2545.5	2486.3	2147.4	1601.4	1055.5
60°	2306.6	2411.2	2515.9	2677.4	2838.9	2782.0	2775.2	2693.3	2279.3	1653.8	1025.9
62.5°	2477.2	2634.2	2791.1	2918.5	3043.6	2989.0	2991.3	2895.8	2402.1	1665.1	925.8
65°	2650.1	2852.5	3052.7	3146.0	3239.3	3200.6	3239.3	3068.7	2484.0	1619.6	755.2
67.5°	2820.7	3043.6	3266.6	3337.1	3407.6	3384.8	3430.3	3125.5	2465.8	1501.3	534.6
70°	2939.0	3175.6	3412.1	3448.5	3484.9	3480.4	3496.3	3055.0	2343.0	1348.9	352.6
72.5°	3002.7	3225.6	3446.3	3462.2	3475.8	3469.0	3403.0	2834.4	2122.4	1182.9	243.4
75°	2961.7	3177.8	3393.9	3362.1	3330.2	3266.6	3045.9	2440.8	1740.2	959.9	179.7
77.5°	2743.4	2977.7	3212.0	3130.1	3045.9	2859.4	2488.6	1828.9	1210.2	675.6	138.8
80°	2058.7	2347.6	2636.4	2538.6	2438.5	2045.0	1515.0	1023.6	625.6	366.2	106.9
82.5°	996.3	1157.9	1319.4	1294.3	1269.3	939.5	655.1	368.5	179.7	131.9	84.2
85°	263.9	391.3	518.6	495.9	473.2	250.2	109.2	95.5	70.5	66.0	59.1
87.5°	31.8	36.4	38.7	27.3	13.6	11.4	11.4	6.8	6.8	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	746.1	748.4	748.4	748.4	748.4	748.4	730.2	712.0	707.5	702.9	693.8
5°	718.8	696.1	680.2	664.2	664.2	662.0	668.8	675.6	680.2	682.4	684.7
7.5°	639.2	641.5	655.1	666.5	677.9	687.0	693.8	698.4	693.8	687.0	659.7
10°	523.2	525.5	536.8	545.9	561.9	575.5	614.2	650.6	693.8	737.0	748.4
12.5°	498.2	530.0	511.8	493.6	543.7	591.4	641.5	689.3	723.4	755.2	732.5
15°	507.3	470.9	477.7	484.5	545.9	607.4	571.0	532.3	623.3	714.3	734.7
17.5°	505.0	505.0	539.1	573.2	516.4	457.2	541.4	623.3	659.7	693.8	666.5
20°	539.1	473.2	498.2	520.9	566.4	609.6	573.2	536.8	550.5	564.1	652.9
22.5°	561.9	614.2	557.3	498.2	539.1	580.1	573.2	566.4	607.4	648.3	625.6
25°	586.9	505.0	545.9	584.6	539.1	491.3	527.7	561.9	550.5	539.1	609.6
27.5°	673.3	616.5	564.1	511.8	539.1	564.1	536.8	507.3	518.6	530.0	525.5
30°	814.4	673.3	607.4	541.4	507.3	470.9	473.2	475.4	489.1	502.7	541.4
32.5°	850.8	721.1	625.6	530.0	507.3	484.5	464.1	441.3	461.8	482.2	527.7
35°	859.9	716.5	614.2	511.8	475.4	439.0	425.4	411.7	445.9	480.0	520.9
37.5°	855.3	680.2	571.0	461.8	434.5	407.2	400.4	391.3	414.0	434.5	464.1
40°	843.9	632.4	523.2	414.0	391.3	368.5	364.0	359.4	375.3	391.3	409.5
42.5°	823.5	586.9	477.7	368.5	352.6	336.7	332.1	325.3	338.9	352.6	359.4
45°	798.4	541.4	439.0	334.4	323.0	309.4	302.5	293.4	307.1	318.5	320.7
47.5°	773.4	498.2	404.9	309.4	300.3	288.9	282.1	273.0	284.3	293.4	295.7
50°	752.9	452.7	368.5	284.3	275.2	266.1	259.3	252.5	263.9	273.0	273.0
52.5°	741.6	418.6	336.7	254.8	250.2	245.7	243.4	238.8	247.9	257.0	259.3
55°	714.3	370.8	300.3	227.5	229.8	229.8	227.5	222.9	241.1	257.0	263.9
57.5°	684.7	313.9	261.6	207.0	211.6	216.1	218.4	220.7	241.1	259.3	268.4
60°	646.0	266.1	227.5	188.8	195.6	200.2	211.6	220.7	238.8	257.0	261.6
62.5°	577.8	227.5	200.2	172.9	182.0	191.1	204.7	218.4	232.0	245.7	245.7
65°	477.7	197.9	179.7	159.2	172.9	184.3	200.2	216.1	227.5	236.6	234.3
67.5°	357.1	177.4	163.8	147.9	163.8	177.4	191.1	204.7	218.4	232.0	227.5
70°	257.0	159.2	150.1	138.8	152.4	166.1	179.7	193.4	207.0	220.7	218.4
72.5°	195.6	145.6	136.5	127.4	141.0	152.4	168.3	184.3	197.9	211.6	207.0
75°	157.0	131.9	125.1	116.0	129.7	143.3	159.2	172.9	186.5	200.2	195.6
77.5°	129.7	118.3	111.5	104.6	116.0	127.4	143.3	159.2	172.9	184.3	179.7
80°	104.6	100.1	95.5	88.7	102.4	113.7	129.7	143.3	154.7	166.1	159.2
82.5°	81.9	79.6	77.3	72.8	84.2	95.5	111.5	127.4	136.5	145.6	141.0
85°	61.4	61.4	59.1	56.9	66.0	72.8	81.9	88.7	97.8	104.6	100.1
87.5°	9.1	9.1	13.6	15.9	15.9	15.9	22.7	29.6	29.6	27.3	22.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560985

CATALOG NUMBER: SDL-PA1-70-827-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	739.3	739.3	739.3	739.3
2.5°	684.7	684.7	684.7	687.0
5°	687.0	689.3	689.3	693.8
7.5°	630.1	627.8	625.6	625.6
10°	757.5	762.0	764.3	768.9
12.5°	707.5	680.2	652.9	652.9
15°	755.2	759.8	762.0	766.6
17.5°	639.2	636.9	634.7	630.1
20°	739.3	743.8	746.1	746.1
22.5°	602.8	602.8	600.5	600.5
25°	680.2	680.2	680.2	684.7
27.5°	518.6	534.6	550.5	571.0
30°	580.1	582.3	584.6	584.6
32.5°	573.2	602.8	632.4	636.9
35°	561.9	561.9	559.6	561.9
37.5°	493.6	486.8	477.7	482.2
40°	425.4	409.5	393.5	391.3
42.5°	366.2	352.6	336.7	336.7
45°	323.0	313.9	302.5	298.0
47.5°	295.7	286.6	277.5	275.2
50°	270.7	261.6	252.5	252.5
52.5°	261.6	254.8	245.7	243.4
55°	270.7	257.0	243.4	238.8
57.5°	275.2	259.3	243.4	236.6
60°	263.9	254.8	243.4	234.3
62.5°	243.4	238.8	234.3	229.8
65°	229.8	229.8	227.5	222.9
67.5°	222.9	225.2	225.2	220.7
70°	213.8	218.4	220.7	216.1
72.5°	202.5	204.7	204.7	197.9
75°	188.8	186.5	184.3	179.7
77.5°	172.9	170.6	166.1	161.5
80°	152.4	150.1	147.9	141.0
82.5°	134.2	138.8	141.0	116.0
85°	93.3	84.2	75.1	61.4
87.5°	18.2	13.6	6.8	6.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)