

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: P560522

Luminaire Tested: **SDL-PA1-50-727-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3989.1 lumens
Efficiency: N/A
Efficacy: 76.1 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: B0 - U0 - G2

Input Watts (W): 52.4
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

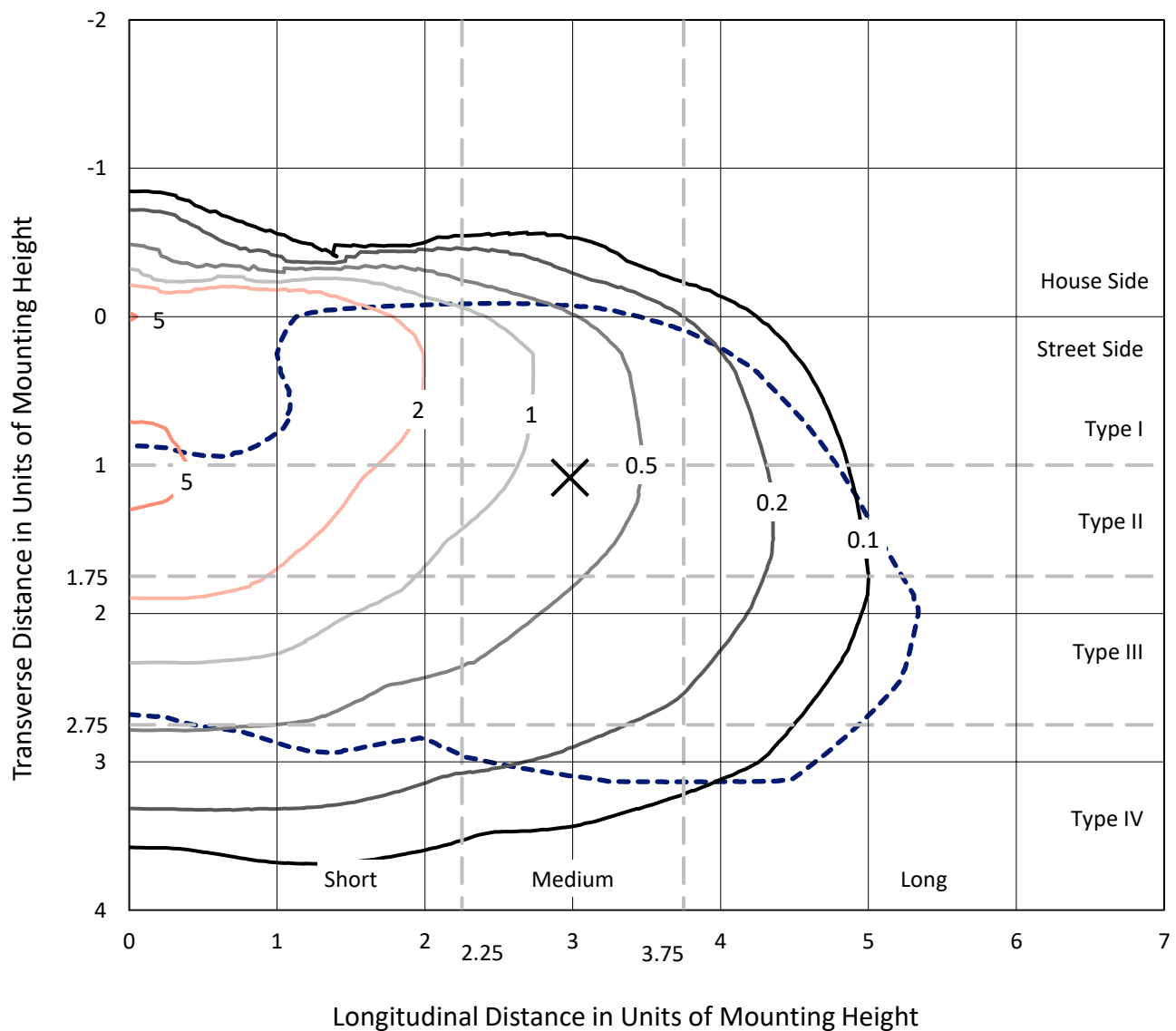


REPORT NUMBER: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

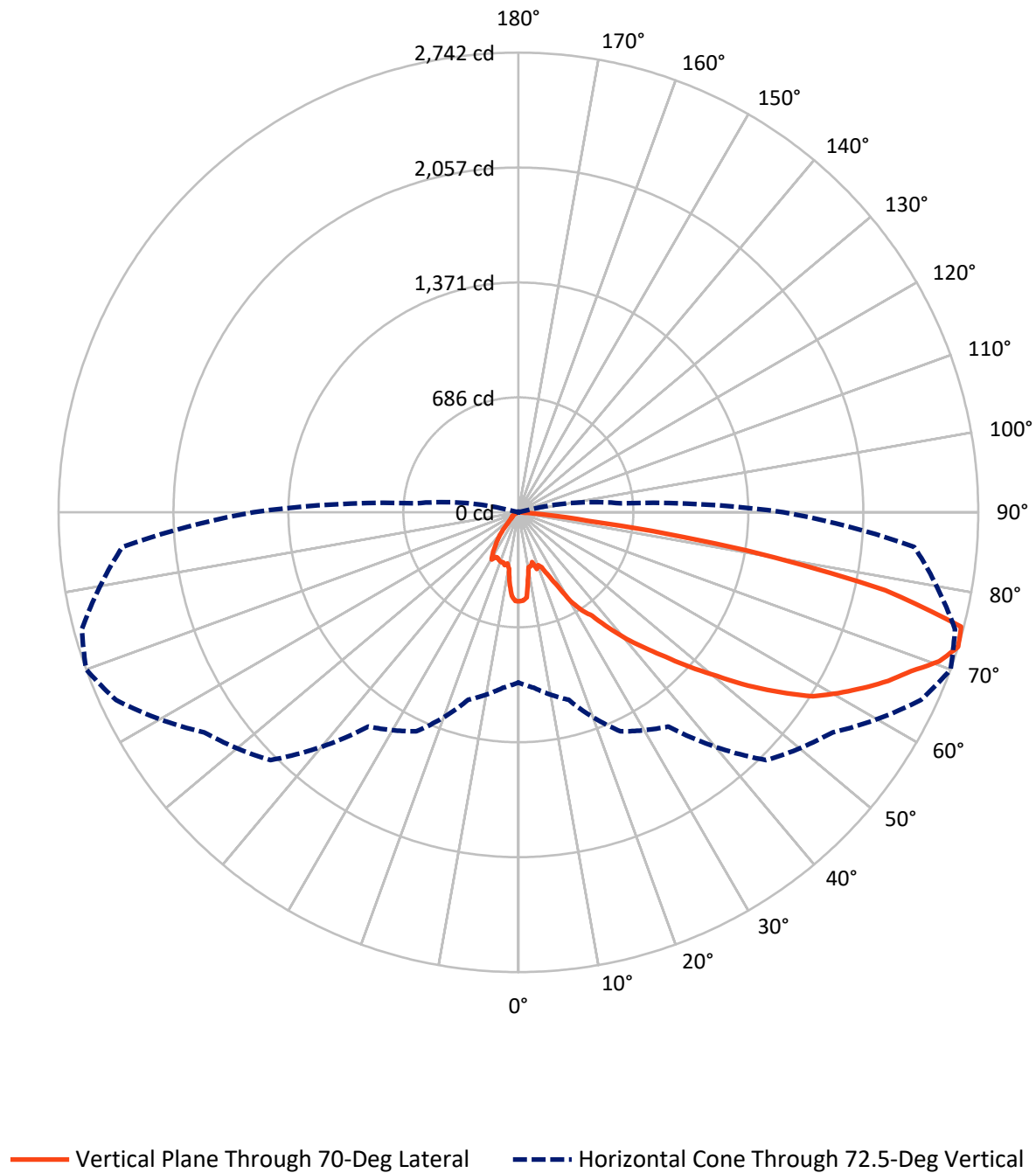


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

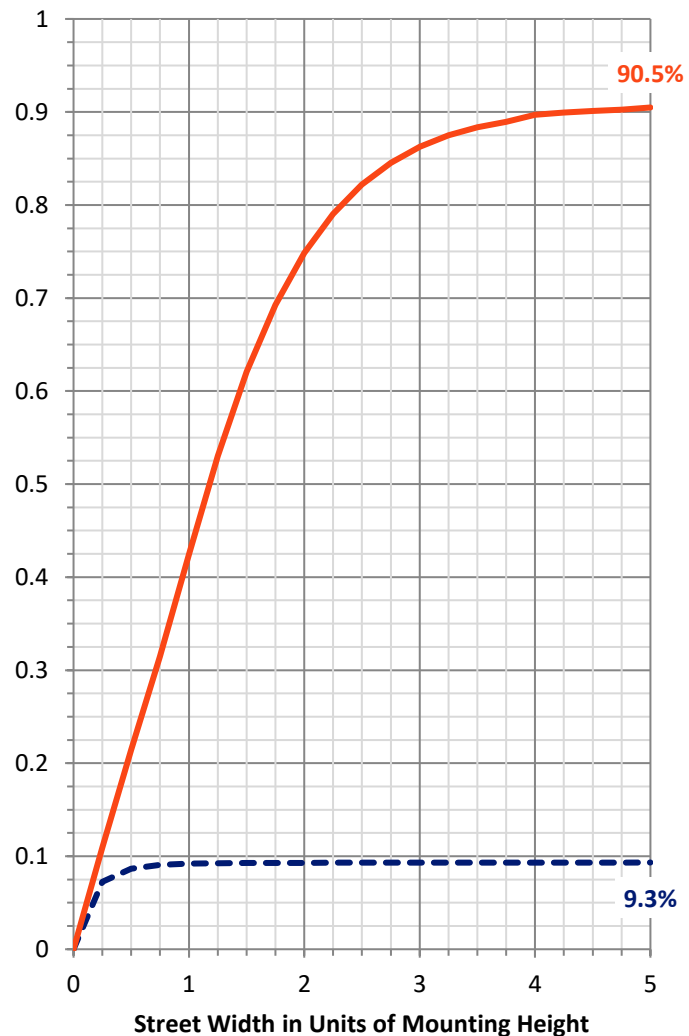
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	376.1	0.0	376.1
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3613.0	0.0	3613.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	3989.1	0.0	3989.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.0
10°-20°	81.7	2.0
20°-30°	133.1	3.3
30°-40°	284.0	7.1
40°-50°	547.2	13.7
50°-60°	905.0	22.7
60°-70°	1107.8	27.8
70°-80°	811.6	20.3
80°-90°	77.9	2.0
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°	3989.1	100.0
0°-180°	3989.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560522

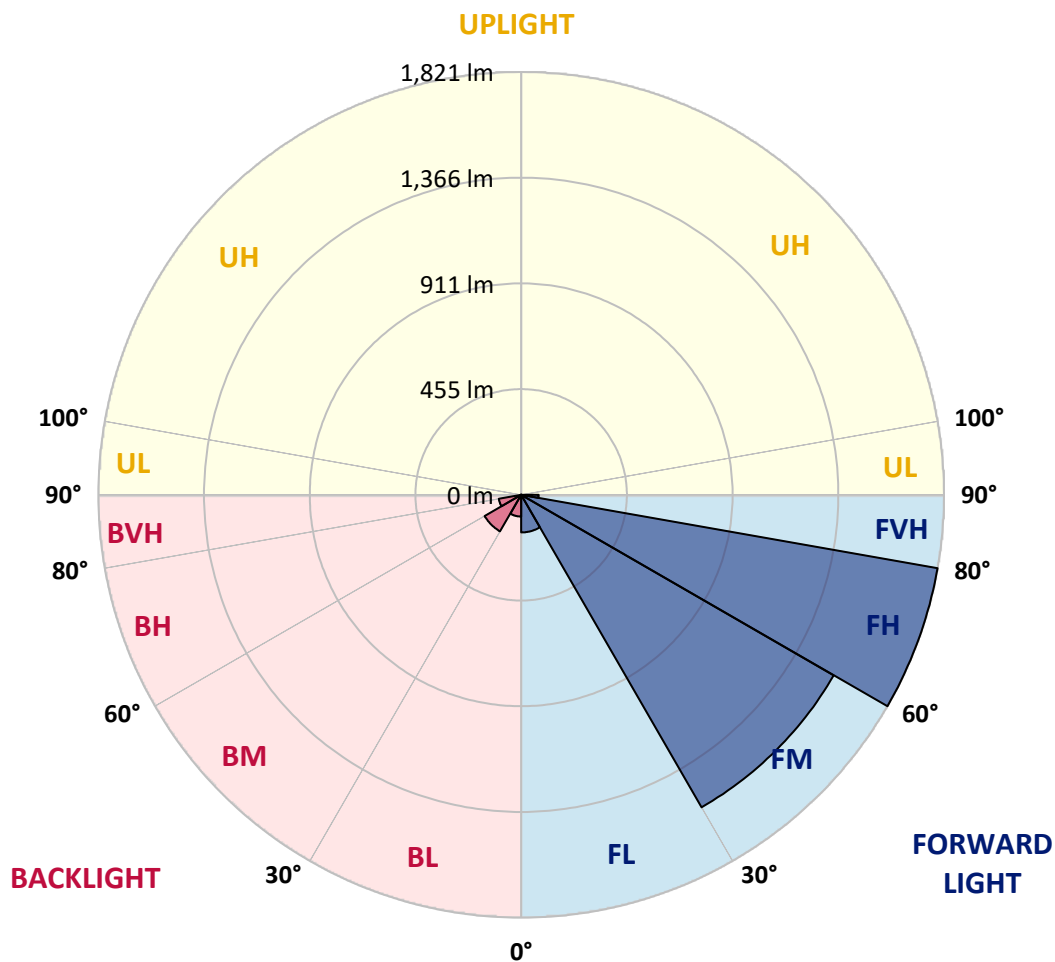
CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.0	4.1			
FM	(30°-60°)	1554.4	39.0			
FH	(60°-80°)	1821.4	45.7			G2/5000
FVH	(80°-90°)	75.2	1.9			G1/100
BL	(0°-30°)	93.7	2.3	B0/110		
BM	(30°-60°)	181.7	4.6	B0/220		
BH	(60°-80°)	97.9	2.5	B0/110		G0/110
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



REPORT NUMBER: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9
2.5°	472.1	485.8	493.6	501.5	499.5	497.6	501.5	505.4	513.2	519.1	523.0
5°	425.1	425.1	425.1	425.1	427.0	427.0	427.0	427.0	429.0	431.0	432.9
7.5°	368.3	376.1	380.0	383.9	393.7	401.6	409.4	417.2	421.2	423.1	425.1
10°	399.6	399.6	399.6	399.6	401.6	401.6	376.1	348.7	350.6	352.6	340.8
12.5°	331.1	329.1	350.6	370.2	383.9	395.7	382.0	366.3	342.8	317.3	313.4
15°	389.8	389.8	389.8	389.8	362.4	335.0	315.4	295.8	311.5	325.2	293.8
17.5°	307.5	315.4	338.9	362.4	362.4	362.4	344.8	327.1	293.8	258.6	295.8
20°	382.0	382.0	382.0	380.0	335.0	289.9	305.6	319.3	333.0	346.7	340.8
22.5°	317.3	313.4	319.3	325.2	338.9	350.6	311.5	270.3	315.4	358.5	336.9
25°	401.6	401.6	403.5	403.5	360.4	317.3	342.8	366.3	333.0	299.7	352.6
27.5°	362.4	350.6	348.7	344.8	358.5	370.2	352.6	335.0	372.2	409.4	391.8
30°	503.4	503.4	489.7	476.0	423.1	368.3	374.1	378.1	378.1	378.1	417.2
32.5°	699.3	701.3	648.4	593.5	546.5	497.6	454.5	409.4	432.9	456.4	481.9
35°	942.2	948.1	910.9	871.7	756.1	640.6	568.1	495.6	493.6	489.7	526.9
37.5°	1116.6	1128.3	1098.9	1069.6	932.4	795.3	691.5	587.7	577.9	566.1	579.8
40°	1281.1	1273.3	1255.6	1236.1	1091.1	944.2	830.6	715.0	689.5	662.1	664.1
42.5°	1494.6	1471.1	1426.1	1381.0	1241.9	1102.9	981.4	860.0	818.8	777.7	769.8
45°	1770.8	1731.7	1667.0	1600.4	1463.3	1326.2	1177.3	1026.5	975.5	922.6	910.9
47.5°	1911.9	1884.5	1843.3	1800.2	1659.2	1518.1	1375.1	1230.2	1159.7	1087.2	1067.6
50°	2078.4	2043.1	2015.7	1986.3	1864.9	1741.5	1608.2	1473.1	1379.1	1285.0	1251.7
52.5°	2237.1	2178.3	2152.8	2125.4	2029.4	1931.5	1792.4	1653.3	1592.6	1529.9	1449.6
55°	2293.9	2237.1	2225.3	2213.5	2145.0	2076.4	1949.1	1821.8	1751.2	1678.8	1614.1
57.5°	2170.4	2178.3	2213.5	2248.8	2209.6	2170.4	2066.6	1960.8	1882.5	1804.1	1766.9
60°	2086.2	2103.8	2156.7	2209.6	2209.6	2209.6	2152.8	2096.0	2021.6	1947.1	1921.7
62.5°	1951.1	1972.6	2052.9	2133.2	2184.2	2235.1	2174.4	2113.6	2088.2	2060.8	2037.2
65°	1772.8	1778.7	1868.8	1958.9	2064.7	2168.5	2111.7	2052.9	2101.9	2150.9	2127.4
67.5°	1567.1	1576.9	1661.1	1743.4	1868.8	1994.1	1978.5	1960.8	2068.6	2176.3	2174.4
70°	1322.2	1339.9	1412.4	1482.9	1623.9	1763.0	1778.7	1794.3	1980.4	2164.6	2199.8
72.5°	1014.7	1050.0	1104.8	1157.7	1300.7	1441.7	1500.5	1559.3	1825.7	2090.1	2190.0
75°	336.9	360.4	513.2	664.1	809.0	954.0	1083.3	1210.6	1543.6	1874.7	2082.3
77.5°	97.9	101.9	131.2	158.7	272.3	383.9	517.1	648.4	973.6	1296.8	1641.5
80°	50.9	52.9	58.8	64.6	94.0	123.4	178.3	231.1	380.0	528.9	891.3
82.5°	35.3	35.3	41.1	45.1	56.8	68.6	97.9	127.3	139.1	150.8	358.5
85°	11.8	11.8	15.7	19.6	27.4	35.3	52.9	68.6	68.6	66.6	96.0
87.5°	2.0	2.0	3.9	5.9	9.8	11.8	9.8	7.8	5.9	3.9	7.8
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: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9
2.5°	525.0	526.9	526.9	526.9	528.9	528.9	528.9	528.9	526.9	528.9	528.9
5°	432.9	468.2	501.5	511.3	517.1	519.1	519.1	519.1	517.1	517.1	517.1
7.5°	427.0	425.1	423.1	407.4	444.7	452.5	458.4	456.4	456.4	446.6	434.9
10°	329.1	329.1	329.1	333.0	354.6	380.0	405.5	405.5	405.5	376.1	346.7
12.5°	307.5	319.3	329.1	329.1	293.8	323.2	352.6	352.6	352.6	323.2	291.9
15°	262.5	276.2	288.0	307.5	366.3	401.6	436.8	436.8	434.9	401.6	366.3
17.5°	331.1	327.1	321.3	356.5	335.0	340.8	346.7	329.1	354.6	344.8	335.0
20°	335.0	299.7	262.5	336.9	413.3	446.6	479.9	481.9	476.0	438.8	399.6
22.5°	315.4	360.4	403.5	356.5	368.3	360.4	350.6	346.7	346.7	344.8	342.8
25°	403.5	360.4	317.3	417.2	487.8	511.3	534.8	528.9	521.1	468.2	415.3
27.5°	372.2	415.3	456.4	495.6	530.9	552.4	574.0	634.7	552.4	491.7	429.0
30°	454.5	507.4	558.3	615.1	722.8	754.2	785.5	769.8	750.3	632.7	515.2
32.5°	505.4	589.6	671.9	697.4	762.0	791.4	818.8	805.1	781.6	626.8	472.1
35°	562.2	640.6	717.0	758.1	836.4	860.0	881.5	860.0	834.5	621.0	407.4
37.5°	593.5	699.3	803.1	873.7	940.3	946.1	950.1	930.5	897.2	621.0	344.8
40°	666.0	779.6	891.3	993.2	1046.0	1048.0	1050.0	1018.6	957.9	615.1	270.3
42.5°	762.0	877.6	991.2	1102.9	1173.4	1167.5	1159.7	1116.6	1016.7	605.3	193.9
45°	899.1	1001.0	1102.9	1228.2	1314.4	1298.7	1281.1	1216.5	1057.8	595.5	131.2
47.5°	1046.0	1126.4	1204.7	1377.1	1486.8	1453.5	1418.2	1324.2	1087.2	591.6	94.0
50°	1216.5	1281.1	1345.8	1533.8	1665.1	1602.4	1539.7	1431.9	1098.9	587.7	74.4
52.5°	1367.3	1433.9	1498.5	1717.9	1817.8	1747.3	1676.8	1516.2	1093.1	579.8	64.6
55°	1547.5	1606.3	1665.1	1894.2	1974.6	1880.5	1784.5	1576.9	1063.7	562.2	58.8
57.5°	1727.7	1788.5	1847.2	2070.5	2094.1	2002.0	1908.0	1635.7	1034.3	544.6	52.9
60°	1896.2	1964.8	2033.3	2190.0	2207.7	2125.4	2043.1	1692.5	987.3	517.1	47.0
62.5°	2013.7	2107.8	2201.8	2307.6	2315.4	2241.0	2164.6	1735.6	926.6	485.8	43.1
65°	2101.9	2231.2	2358.5	2423.1	2419.2	2366.3	2313.4	1772.8	877.6	456.4	35.3
67.5°	2170.4	2327.2	2483.9	2527.0	2536.8	2487.8	2438.8	1778.7	816.9	423.1	27.4
70°	2235.1	2407.5	2579.9	2662.1	2642.5	2566.1	2489.7	1733.6	734.6	378.1	19.6
72.5°	2288.0	2468.2	2648.4	2742.4	2695.4	2532.8	2370.3	1580.8	615.1	315.4	13.7
75°	2288.0	2468.2	2646.5	2726.8	2566.1	2242.9	1917.8	1177.3	360.4	186.1	11.8
77.5°	1986.3	2117.6	2248.8	2237.1	1955.0	1553.4	1149.9	677.8	121.5	66.6	9.8
80°	1253.7	1339.9	1426.1	1383.0	999.0	717.0	432.9	227.2	43.1	25.5	7.8
82.5°	566.1	556.3	546.5	421.2	195.9	131.2	64.6	39.2	11.8	7.8	3.9
85°	125.4	121.5	117.5	86.2	58.8	39.2	19.6	11.8	5.9	5.9	3.9
87.5°	11.8	13.7	13.7	9.8	9.8	7.8	3.9	3.9	3.9	3.9	3.9
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: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9
2.5°	528.9	528.9	528.9	526.9	526.9	526.9	513.2	497.6	487.8	476.0	470.1
5°	499.5	481.9	460.3	438.8	434.9	429.0	431.0	431.0	432.9	432.9	432.9
7.5°	425.1	415.3	419.2	423.1	423.1	423.1	423.1	421.2	419.2	417.2	397.7
10°	338.9	331.1	331.1	331.1	336.9	340.8	331.1	319.3	336.9	352.6	348.7
12.5°	311.5	331.1	305.6	278.2	282.1	284.0	284.0	282.1	274.2	266.4	239.0
15°	325.2	284.0	260.5	235.1	235.1	235.1	190.0	145.0	135.2	125.4	127.3
17.5°	311.5	288.0	260.5	231.1	174.3	115.6	109.7	101.9	101.9	101.9	103.8
20°	313.4	227.2	192.0	156.7	125.4	92.1	86.2	78.4	74.4	68.6	80.3
22.5°	307.5	270.3	184.1	97.9	86.2	74.4	68.6	60.7	70.5	80.3	80.3
25°	297.8	178.3	133.2	86.2	72.5	58.8	66.6	72.5	68.6	62.7	72.5
27.5°	299.7	168.5	115.6	62.7	66.6	68.6	64.6	58.8	64.6	68.6	64.6
30°	323.2	131.2	97.9	62.7	60.7	56.8	58.8	60.7	58.8	54.8	58.8
32.5°	288.0	103.8	82.3	58.8	56.8	54.8	52.9	50.9	52.9	52.9	52.9
35°	242.9	78.4	66.6	54.8	50.9	47.0	47.0	45.1	45.1	45.1	45.1
37.5°	205.7	66.6	58.8	49.0	45.1	41.1	39.2	35.3	35.3	33.3	33.3
40°	166.5	60.7	52.9	43.1	39.2	33.3	31.3	27.4	27.4	25.5	25.5
42.5°	125.4	54.8	47.0	37.2	33.3	27.4	23.5	19.6	19.6	17.6	17.6
45°	90.1	49.0	41.1	31.3	27.4	21.5	17.6	13.7	13.7	11.8	11.8
47.5°	70.5	45.1	37.2	27.4	21.5	15.7	13.7	9.8	9.8	9.8	9.8
50°	56.8	39.2	31.3	21.5	15.7	9.8	7.8	5.9	5.9	5.9	5.9
52.5°	50.9	35.3	27.4	17.6	13.7	7.8	5.9	3.9	5.9	5.9	5.9
55°	45.1	31.3	23.5	13.7	9.8	5.9	5.9	3.9	5.9	5.9	5.9
57.5°	41.1	27.4	19.6	9.8	7.8	3.9	3.9	2.0	3.9	3.9	3.9
60°	35.3	23.5	15.7	7.8	5.9	2.0	2.0	2.0	3.9	3.9	3.9
62.5°	31.3	19.6	13.7	5.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9
65°	25.5	13.7	9.8	3.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9
67.5°	19.6	9.8	7.8	3.9	3.9	2.0	2.0	2.0	3.9	3.9	2.0
70°	13.7	7.8	5.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	2.0
72.5°	9.8	5.9	3.9	2.0	2.0	0.0	2.0	2.0	3.9	3.9	3.9
75°	9.8	5.9	3.9	2.0	2.0	0.0	2.0	3.9	3.9	3.9	3.9
77.5°	7.8	3.9	3.9	2.0	2.0	0.0	2.0	3.9	3.9	3.9	3.9
80°	5.9	3.9	3.9	2.0	2.0	0.0	3.9	5.9	5.9	5.9	3.9
82.5°	3.9	3.9	3.9	2.0	2.0	0.0	3.9	5.9	5.9	5.9	3.9
85°	3.9	3.9	3.9	3.9	2.0	0.0	3.9	5.9	5.9	5.9	5.9
87.5°	3.9	3.9	3.9	3.9	3.9	2.0	5.9	7.8	7.8	5.9	5.9
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: P560522

CATALOG NUMBER: SDL-PA1-50-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	530.9	530.9	530.9	530.9
2.5°	462.3	462.3	460.3	466.2
5°	432.9	432.9	432.9	434.9
7.5°	376.1	362.4	348.7	350.6
10°	342.8	338.9	333.0	336.9
12.5°	211.6	199.8	186.1	180.2
15°	129.3	129.3	129.3	127.3
17.5°	105.8	97.9	88.1	90.1
20°	92.1	94.0	96.0	96.0
22.5°	80.3	76.4	72.5	72.5
25°	80.3	80.3	80.3	80.3
27.5°	60.7	60.7	58.8	58.8
30°	62.7	62.7	60.7	58.8
32.5°	50.9	50.9	50.9	50.9
35°	43.1	41.1	39.2	39.2
37.5°	33.3	31.3	29.4	29.4
40°	23.5	23.5	21.5	21.5
42.5°	17.6	17.6	15.7	15.7
45°	11.8	11.8	11.8	11.8
47.5°	7.8	7.8	7.8	7.8
50°	5.9	5.9	5.9	5.9
52.5°	5.9	5.9	3.9	3.9
55°	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9
60°	3.9	3.9	2.0	2.0
62.5°	2.0	2.0	2.0	2.0
65°	2.0	2.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	2.0	2.0	0.0	0.0
75°	2.0	2.0	0.0	0.0
77.5°	2.0	2.0	0.0	0.0
80°	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	2.0	0.0
85°	3.9	3.9	2.0	0.0
87.5°	3.9	3.9	2.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)