

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: P560808

Luminaire Tested: **SDL-PA1-60-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560808
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-PA1-60-827-U-T3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 4085.1 lumens
Efficiency: N/A
Efficacy: 65.5 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): 62.4
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

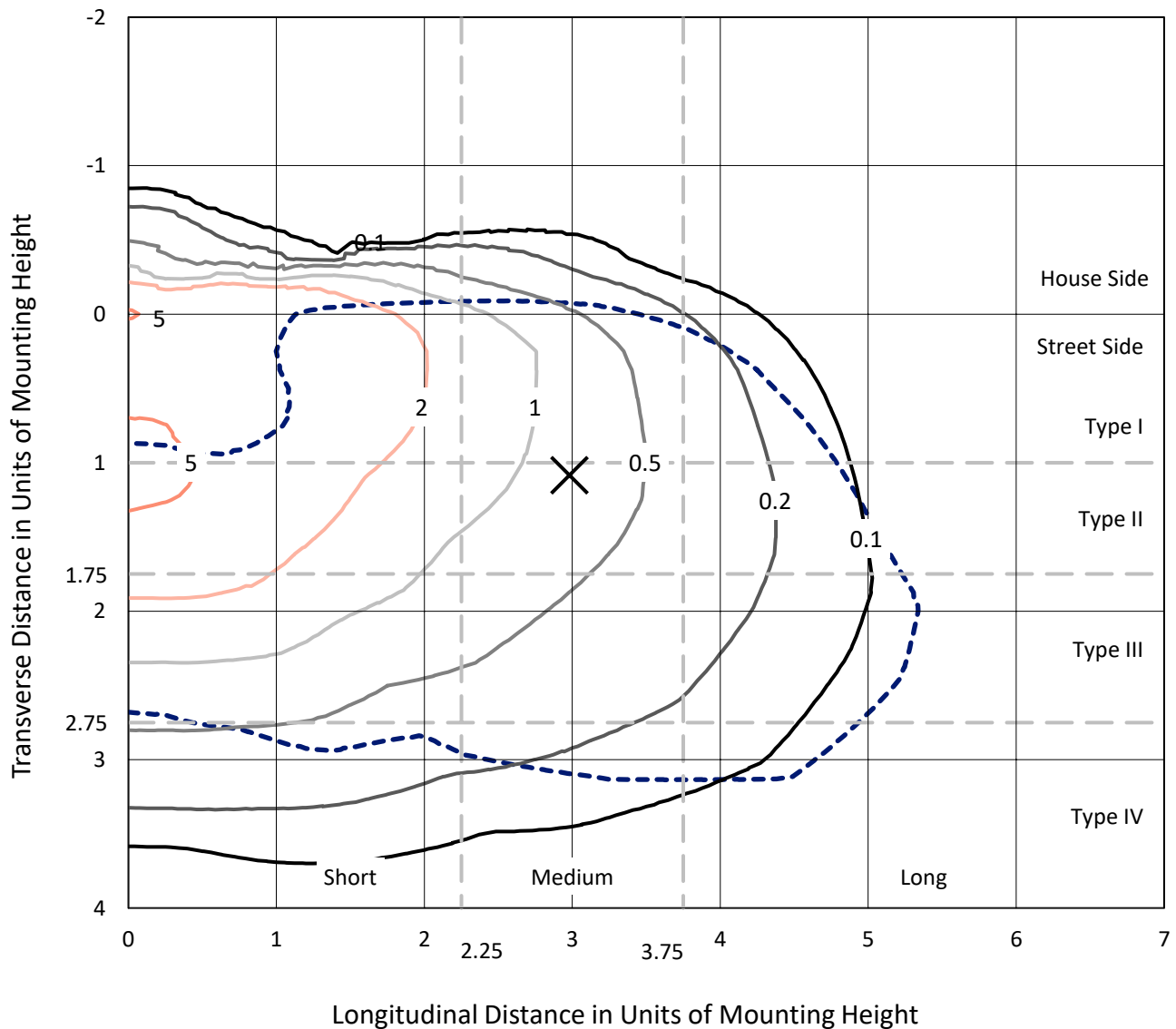


REPORT NUMBER: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

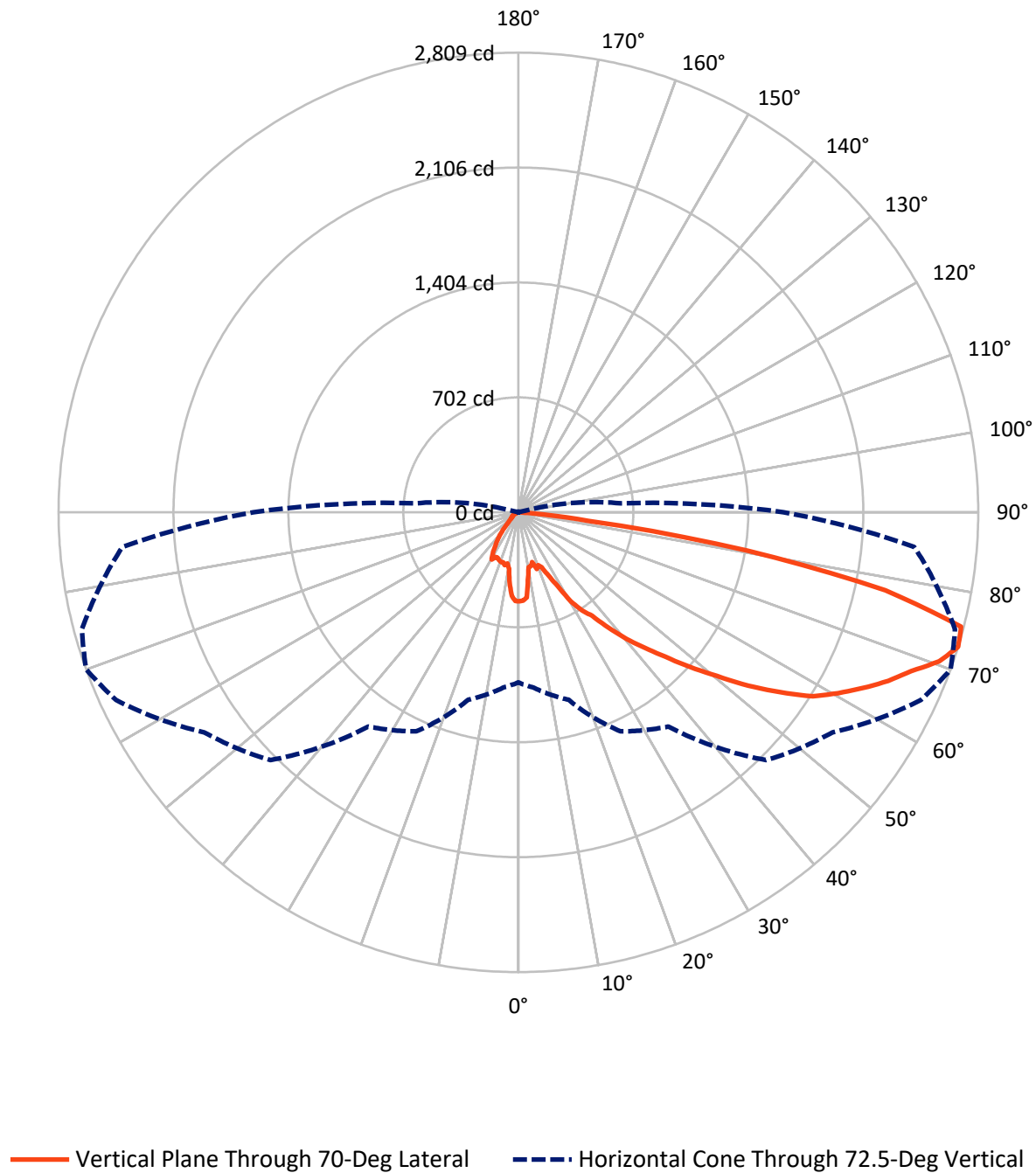


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

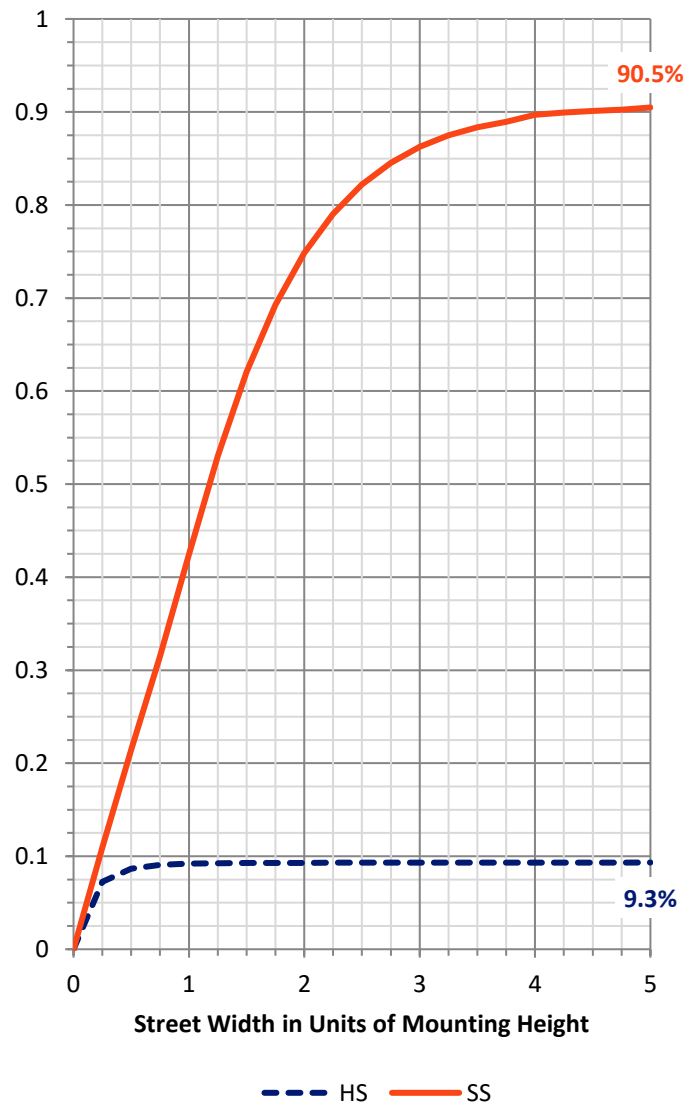
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.1	0.0	385.1
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3700.0	0.0	3700.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	4085.1	0.0	4085.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.0
10°-20°	83.6	2.0
20°-30°	136.3	3.3
30°-40°	290.8	7.1
40°-50°	560.4	13.7
50°-60°	926.8	22.7
60°-70°	1134.4	27.8
70°-80°	831.1	20.3
80°-90°	79.8	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°	4085.1	100.0
0°-180°	4085.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560808

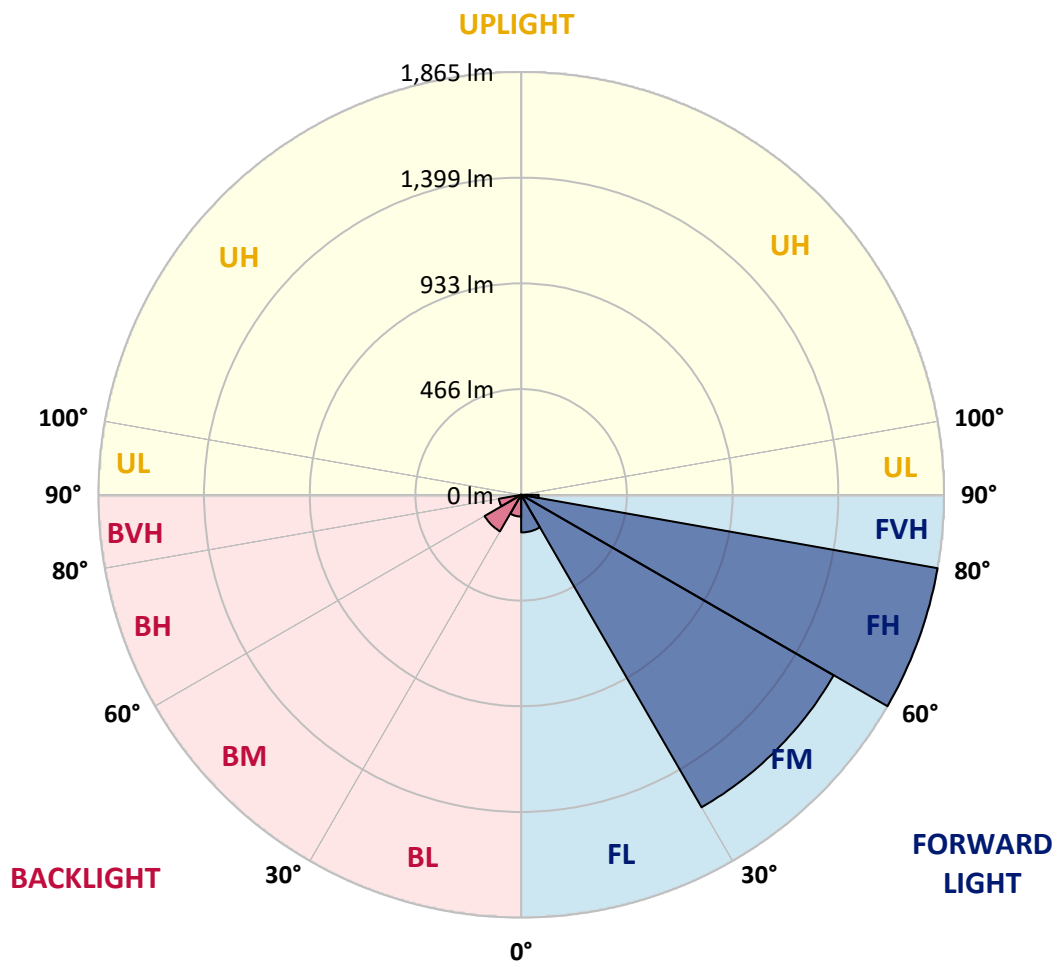
CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.9	4.1			
FM	(30°-60°)	1591.9	39.0			
FH	(60°-80°)	1865.2	45.7			G2/5000
FVH	(80°-90°)	77.0	1.9			G1/100
BL	(0°-30°)	95.9	2.3	B0/110		
BM	(30°-60°)	186.1	4.6	B0/220		
BH	(60°-80°)	100.3	2.5	B0/110		G0/110
BVH	(80°-90°)	2.8	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: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
2.5°	483.5	497.5	505.5	513.5	511.5	509.5	513.5	517.6	525.6	531.6	535.6
5°	435.3	435.3	435.3	435.3	437.3	437.3	437.3	437.3	439.3	441.3	443.3
7.5°	377.1	385.2	389.2	393.2	403.2	411.2	419.3	427.3	431.3	433.3	435.3
10°	409.2	409.2	409.2	409.2	411.2	411.2	385.2	357.1	359.1	361.1	349.1
12.5°	339.0	337.0	359.1	379.1	393.2	405.2	391.2	375.1	351.1	325.0	321.0
15°	399.2	399.2	399.2	399.2	371.1	343.0	323.0	302.9	319.0	333.0	300.9
17.5°	314.9	323.0	347.0	371.1	371.1	371.1	353.1	335.0	300.9	264.8	302.9
20°	391.2	391.2	391.2	389.2	343.0	296.9	312.9	327.0	341.0	355.1	349.1
22.5°	325.0	321.0	327.0	333.0	347.0	359.1	319.0	276.8	323.0	367.1	345.0
25°	411.2	411.2	413.2	413.2	369.1	325.0	351.1	375.1	341.0	306.9	361.1
27.5°	371.1	359.1	357.1	353.1	367.1	379.1	361.1	343.0	381.1	419.3	401.2
30°	515.6	515.6	501.5	487.5	433.3	377.1	383.2	387.2	387.2	387.2	427.3
32.5°	716.2	718.2	664.0	607.8	559.7	509.5	465.4	419.3	443.3	467.4	493.5
35°	964.9	970.9	932.8	892.7	774.3	656.0	581.8	507.5	505.5	501.5	539.6
37.5°	1143.4	1155.5	1125.4	1095.3	954.9	814.5	708.1	601.8	591.8	579.7	593.8
40°	1312.0	1303.9	1285.9	1265.8	1117.4	966.9	850.6	732.2	706.1	678.0	680.0
42.5°	1530.6	1506.5	1460.4	1414.3	1271.8	1129.4	1005.0	880.7	838.5	796.4	788.4
45°	1813.5	1773.3	1707.1	1638.9	1498.5	1358.1	1205.6	1051.2	999.0	944.8	932.8
47.5°	1957.9	1929.8	1887.7	1843.6	1699.1	1554.7	1408.2	1259.8	1187.6	1113.4	1093.3
50°	2128.4	2092.3	2064.2	2034.1	1909.8	1783.4	1647.0	1508.5	1412.3	1316.0	1281.9
52.5°	2290.9	2230.7	2204.6	2176.6	2078.3	1978.0	1835.5	1693.1	1630.9	1566.7	1484.5
55°	2349.1	2290.9	2278.9	2266.8	2196.6	2126.4	1996.0	1865.6	1793.4	1719.2	1653.0
57.5°	2222.7	2230.7	2266.8	2302.9	2262.8	2222.7	2116.4	2008.0	1927.8	1847.6	1809.4
60°	2136.4	2154.5	2208.7	2262.8	2262.8	2262.8	2204.6	2146.5	2070.2	1994.0	1967.9
62.5°	1998.0	2020.1	2102.3	2184.6	2236.7	2288.9	2226.7	2164.5	2138.4	2110.4	2086.3
65°	1815.5	1821.5	1913.8	2006.0	2114.4	2220.7	2162.5	2102.3	2152.5	2202.6	2178.6
67.5°	1604.8	1614.9	1701.1	1785.4	1913.8	2042.2	2026.1	2008.0	2118.4	2228.7	2226.7
70°	1354.1	1372.1	1446.4	1518.6	1663.0	1805.4	1821.5	1837.5	2028.1	2216.7	2252.8
72.5°	1039.1	1075.2	1131.4	1185.6	1332.0	1476.4	1536.6	1596.8	1869.6	2140.4	2242.8
75°	345.0	369.1	525.6	680.0	828.5	976.9	1109.3	1239.7	1580.8	1919.8	2132.4
77.5°	100.3	104.3	134.4	162.5	278.8	393.2	529.6	664.0	997.0	1328.0	1681.1
80°	52.2	54.2	60.2	66.2	96.3	126.4	182.5	236.7	389.2	541.6	912.7
82.5°	36.1	36.1	42.1	46.1	58.2	70.2	100.3	130.4	142.4	154.5	367.1
85°	12.0	12.0	16.0	20.1	28.1	36.1	54.2	70.2	70.2	68.2	98.3
87.5°	2.0	2.0	4.0	6.0	10.0	12.0	10.0	8.0	6.0	4.0	8.0
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: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
2.5°	537.6	539.6	539.6	539.6	541.6	541.6	541.6	541.6	539.6	541.6	541.6
5°	443.3	479.4	513.5	523.6	529.6	531.6	531.6	531.6	529.6	529.6	529.6
7.5°	437.3	435.3	433.3	417.3	455.4	463.4	469.4	467.4	467.4	457.4	445.3
10°	337.0	337.0	337.0	341.0	363.1	389.2	415.3	415.3	415.3	385.2	355.1
12.5°	314.9	327.0	337.0	337.0	300.9	331.0	361.1	361.1	361.1	331.0	298.9
15°	268.8	282.9	294.9	314.9	375.1	411.2	447.3	447.3	445.3	411.2	375.1
17.5°	339.0	335.0	329.0	365.1	343.0	349.1	355.1	337.0	363.1	353.1	343.0
20°	343.0	306.9	268.8	345.0	423.3	457.4	491.5	493.5	487.5	449.4	409.2
22.5°	323.0	369.1	413.2	365.1	377.1	369.1	359.1	355.1	355.1	353.1	351.1
25°	413.2	369.1	325.0	427.3	499.5	523.6	547.6	541.6	533.6	479.4	425.3
27.5°	381.1	425.3	467.4	507.5	543.6	565.7	587.8	650.0	565.7	503.5	439.3
30°	465.4	519.6	571.7	629.9	740.2	772.3	804.4	788.4	768.3	648.0	527.6
32.5°	517.6	603.8	688.1	714.2	780.4	810.4	838.5	824.5	800.4	641.9	483.5
35°	575.7	656.0	734.2	776.3	856.6	880.7	902.7	880.7	854.6	635.9	417.3
37.5°	607.8	716.2	822.5	894.7	962.9	968.9	972.9	952.9	918.8	635.9	353.1
40°	682.1	798.4	912.7	1017.1	1071.2	1073.2	1075.2	1043.1	981.0	629.9	276.8
42.5°	780.4	898.7	1015.1	1129.4	1201.6	1195.6	1187.6	1143.4	1041.1	619.9	198.6
45°	920.8	1025.1	1129.4	1257.8	1346.1	1330.0	1312.0	1245.8	1083.3	609.8	134.4
47.5°	1071.2	1153.5	1233.7	1410.2	1522.6	1488.5	1452.4	1356.1	1113.4	605.8	96.3
50°	1245.8	1312.0	1378.2	1570.7	1705.1	1640.9	1576.7	1466.4	1125.4	601.8	76.2
52.5°	1400.2	1468.4	1534.6	1759.3	1861.6	1789.4	1717.2	1552.7	1119.4	593.8	66.2
55°	1584.8	1645.0	1705.1	1939.8	2022.1	1925.8	1827.5	1614.9	1089.3	575.7	60.2
57.5°	1769.3	1831.5	1891.7	2120.4	2144.5	2050.2	1953.9	1675.0	1059.2	557.7	54.2
60°	1941.8	2012.1	2082.3	2242.8	2260.8	2176.6	2092.3	1733.2	1011.0	529.6	48.1
62.5°	2062.2	2158.5	2254.8	2363.1	2371.1	2294.9	2216.7	1777.4	948.9	497.5	44.1
65°	2152.5	2284.9	2415.3	2481.5	2477.5	2423.3	2369.1	1815.5	898.7	467.4	36.1
67.5°	2222.7	2383.2	2543.7	2587.8	2597.8	2547.7	2497.5	1821.5	836.5	433.3	28.1
70°	2288.9	2465.4	2642.0	2726.2	2706.2	2627.9	2549.7	1775.3	752.3	387.2	20.1
72.5°	2343.1	2527.6	2712.2	2808.5	2760.3	2593.8	2427.3	1618.9	629.9	323.0	14.0
75°	2343.1	2527.6	2710.2	2792.4	2627.9	2296.9	1963.9	1205.6	369.1	190.6	12.0
77.5°	2034.1	2168.5	2302.9	2290.9	2002.0	1590.8	1177.5	694.1	124.4	68.2	10.0
80°	1283.9	1372.1	1460.4	1416.3	1023.1	734.2	443.3	232.7	44.1	26.1	8.0
82.5°	579.7	569.7	559.7	431.3	200.6	134.4	66.2	40.1	12.0	8.0	4.0
85°	128.4	124.4	120.4	88.3	60.2	40.1	20.1	12.0	6.0	6.0	4.0
87.5°	12.0	14.0	14.0	10.0	10.0	8.0	4.0	4.0	4.0	4.0	4.0
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: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
2.5°	541.6	541.6	541.6	539.6	539.6	539.6	525.6	509.5	499.5	487.5	481.4
5°	511.5	493.5	471.4	449.4	445.3	439.3	441.3	441.3	443.3	443.3	443.3
7.5°	435.3	425.3	429.3	433.3	433.3	433.3	433.3	431.3	429.3	427.3	407.2
10°	347.0	339.0	339.0	339.0	345.0	349.1	339.0	327.0	345.0	361.1	357.1
12.5°	319.0	339.0	312.9	284.9	288.9	290.9	290.9	288.9	280.8	272.8	244.7
15°	333.0	290.9	266.8	240.7	240.7	240.7	194.6	148.4	138.4	128.4	130.4
17.5°	319.0	294.9	266.8	236.7	178.5	118.4	112.3	104.3	104.3	104.3	106.3
20°	321.0	232.7	196.6	160.5	128.4	94.3	88.3	80.2	76.2	70.2	82.2
22.5°	314.9	276.8	188.6	100.3	88.3	76.2	70.2	62.2	72.2	82.2	82.2
25°	304.9	182.5	136.4	88.3	74.2	60.2	68.2	74.2	70.2	64.2	74.2
27.5°	306.9	172.5	118.4	64.2	68.2	70.2	66.2	60.2	66.2	70.2	66.2
30°	331.0	134.4	100.3	64.2	62.2	58.2	60.2	62.2	60.2	56.2	60.2
32.5°	294.9	106.3	84.3	60.2	58.2	56.2	54.2	52.2	54.2	54.2	54.2
35°	248.7	80.2	68.2	56.2	52.2	48.1	48.1	46.1	46.1	46.1	46.1
37.5°	210.6	68.2	60.2	50.2	46.1	42.1	40.1	36.1	36.1	34.1	34.1
40°	170.5	62.2	54.2	44.1	40.1	34.1	32.1	28.1	28.1	26.1	26.1
42.5°	128.4	56.2	48.1	38.1	34.1	28.1	24.1	20.1	20.1	18.1	18.1
45°	92.3	50.2	42.1	32.1	28.1	22.1	18.1	14.0	14.0	12.0	12.0
47.5°	72.2	46.1	38.1	28.1	22.1	16.0	14.0	10.0	10.0	10.0	10.0
50°	58.2	40.1	32.1	22.1	16.0	10.0	8.0	6.0	6.0	6.0	6.0
52.5°	52.2	36.1	28.1	18.1	14.0	8.0	6.0	4.0	6.0	6.0	6.0
55°	46.1	32.1	24.1	14.0	10.0	6.0	6.0	4.0	6.0	6.0	6.0
57.5°	42.1	28.1	20.1	10.0	8.0	4.0	4.0	2.0	4.0	4.0	4.0
60°	36.1	24.1	16.0	8.0	6.0	2.0	2.0	2.0	4.0	4.0	4.0
62.5°	32.1	20.1	14.0	6.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
65°	26.1	14.0	10.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
67.5°	20.1	10.0	8.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	2.0
70°	14.0	8.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	2.0
72.5°	10.0	6.0	4.0	2.0	2.0	0.0	2.0	2.0	4.0	4.0	4.0
75°	10.0	6.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0	4.0
77.5°	8.0	4.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0	4.0
80°	6.0	4.0	4.0	2.0	2.0	0.0	4.0	6.0	6.0	6.0	4.0
82.5°	4.0	4.0	4.0	2.0	2.0	0.0	4.0	6.0	6.0	6.0	4.0
85°	4.0	4.0	4.0	4.0	2.0	0.0	4.0	6.0	6.0	6.0	6.0
87.5°	4.0	4.0	4.0	4.0	4.0	2.0	6.0	8.0	8.0	6.0	6.0
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: P560808

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	543.6	543.6	543.6	543.6
2.5°	473.4	473.4	471.4	477.4
5°	443.3	443.3	443.3	445.3
7.5°	385.2	371.1	357.1	359.1
10°	351.1	347.0	341.0	345.0
12.5°	216.7	204.6	190.6	184.6
15°	132.4	132.4	132.4	130.4
17.5°	108.3	100.3	90.3	92.3
20°	94.3	96.3	98.3	98.3
22.5°	82.2	78.2	74.2	74.2
25°	82.2	82.2	82.2	82.2
27.5°	62.2	62.2	60.2	60.2
30°	64.2	64.2	62.2	60.2
32.5°	52.2	52.2	52.2	52.2
35°	44.1	42.1	40.1	40.1
37.5°	34.1	32.1	30.1	30.1
40°	24.1	24.1	22.1	22.1
42.5°	18.1	18.1	16.0	16.0
45°	12.0	12.0	12.0	12.0
47.5°	8.0	8.0	8.0	8.0
50°	6.0	6.0	6.0	6.0
52.5°	6.0	6.0	4.0	4.0
55°	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0
60°	4.0	4.0	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°	4.0	4.0	2.0	0.0
87.5°	4.0	4.0	2.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)