

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: P560796

Luminaire Tested: **SDL-PA1-60-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
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-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4601 lumens
Efficiency: N/A
Efficacy: 73.7 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): 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

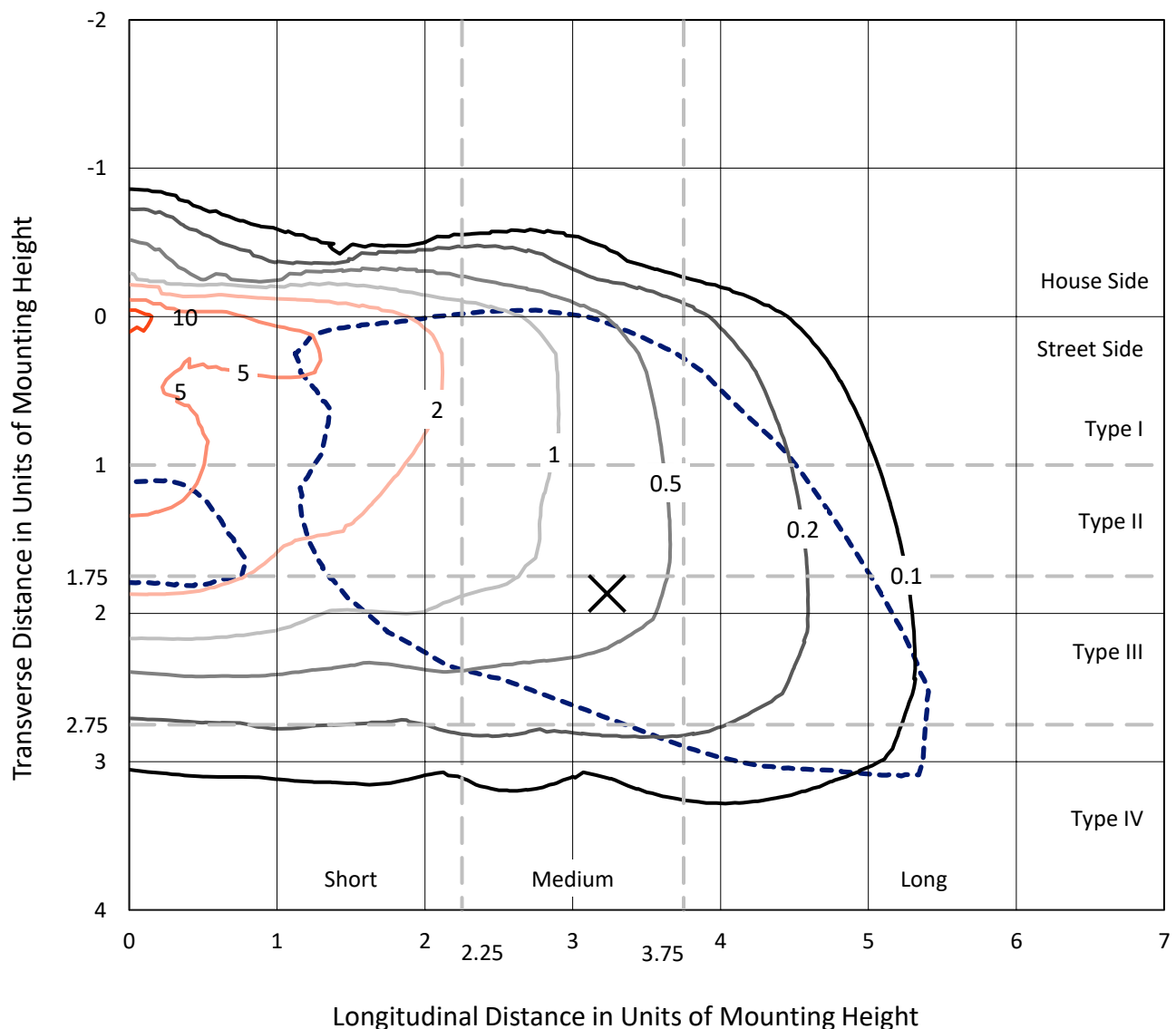


REPORT NUMBER: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

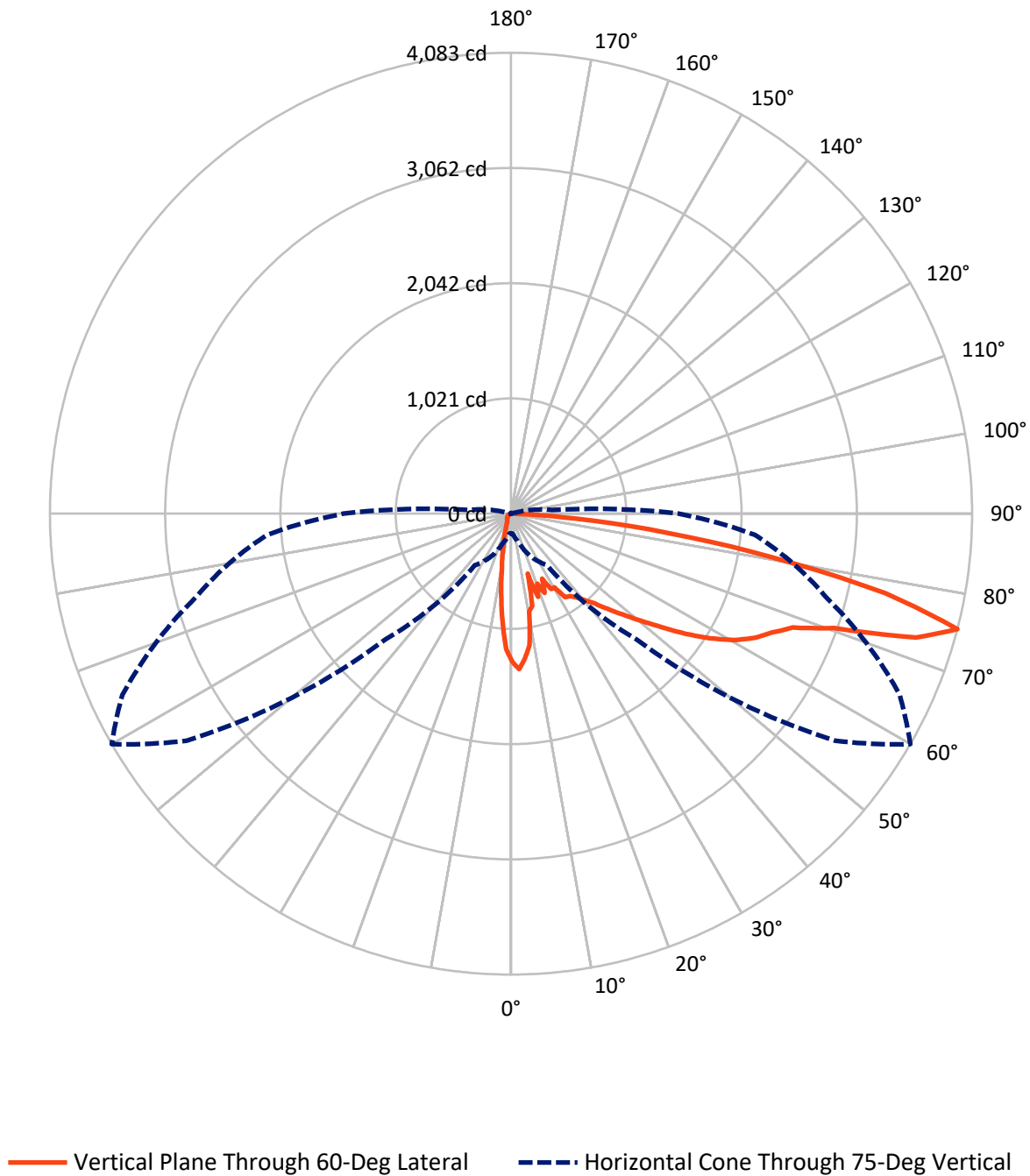


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

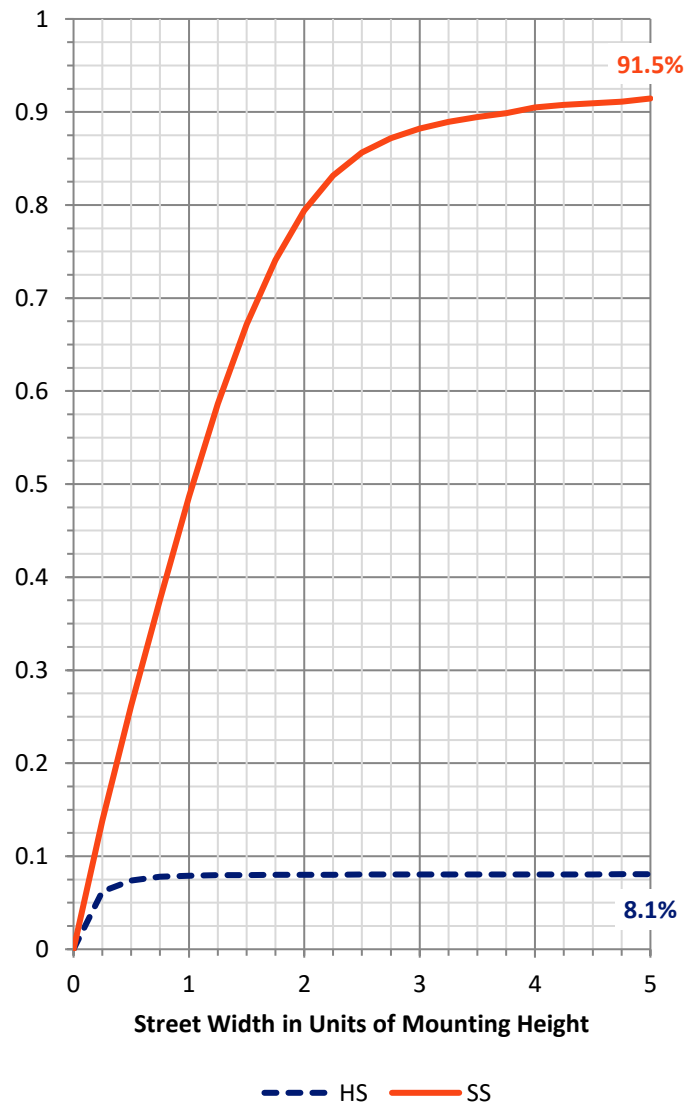
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	374.8	0.0	374.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4226.2	0.0	4226.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	4601.0	0.0	4601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	2.0
10°-20°	150.5	3.3
20°-30°	215.7	4.7
30°-40°	384.0	8.3
40°-50°	632.1	13.7
50°-60°	974.6	21.2
60°-70°	1135.8	24.7
70°-80°	880.2	19.1
80°-90°	137.4	3.0
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°	4601.0	100.0
0°-180°	4601.0	100.0

Coefficient of Utilization



REPORT NUMBER: P560796

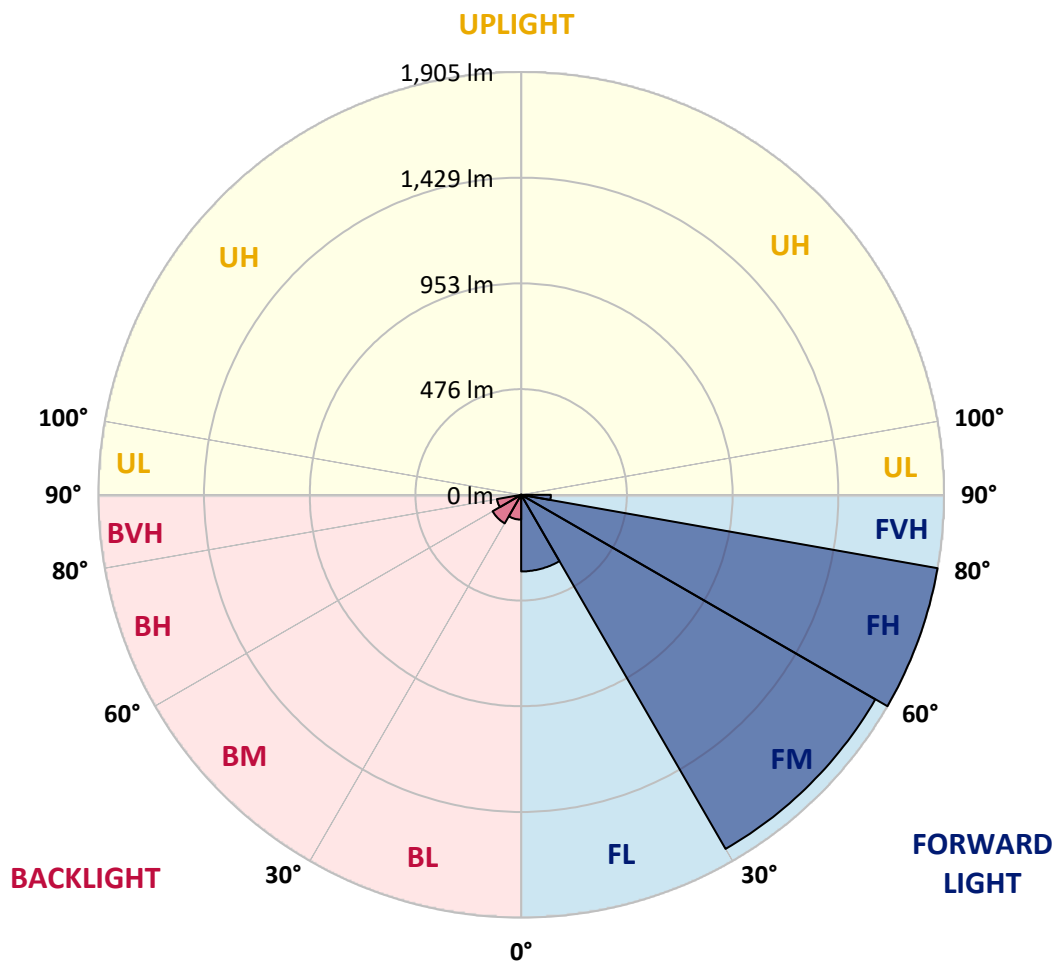
CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.2	7.5			
FM	(30°-60°)	1842.2	40.0			
FH	(60°-80°)	1905.1	41.4			G2/5000
FVH	(80°-90°)	133.6	2.9			G2/225
BL	(0°-30°)	111.7	2.4	B1/500		
BM	(30°-60°)	148.4	3.2	B0/220		
BH	(60°-80°)	110.9	2.4	B1/500		G1/500
BVH	(80°-90°)	3.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1225.2	1271.1	1299.1	1325.1	1359.1	1393.0	1395.0	1397.0	1397.0	1397.0	1395.0
5°	1183.2	1187.2	1187.2	1187.2	1193.2	1199.2	1203.2	1205.2	1207.2	1207.2	1205.2
7.5°	925.4	999.3	1045.3	1089.2	1101.2	1113.2	1129.2	1143.2	1155.2	1165.2	1173.2
10°	1025.3	1033.3	1033.3	1031.3	1041.3	1049.3	971.3	891.4	923.4	955.3	915.4
12.5°	791.5	831.4	881.4	929.4	961.3	993.3	957.3	921.4	865.4	807.4	803.4
15°	925.4	931.4	933.4	935.4	881.4	825.4	759.5	691.5	737.5	783.5	717.5
17.5°	711.5	717.5	773.5	829.4	835.4	841.4	799.4	755.5	659.5	563.6	653.5
20°	851.4	855.4	855.4	855.4	749.5	643.6	651.5	657.5	687.5	717.5	695.5
22.5°	685.5	677.5	681.5	683.5	715.5	745.5	683.5	619.6	665.5	709.5	671.5
25°	857.4	859.4	847.4	833.4	739.5	643.6	677.5	709.5	655.5	599.6	653.5
27.5°	775.5	767.5	739.5	711.5	725.5	739.5	675.5	609.6	661.5	711.5	687.5
30°	1021.3	1017.3	981.3	943.3	831.4	717.5	705.5	691.5	661.5	629.6	671.5
32.5°	1363.1	1315.1	1181.2	1045.3	975.3	903.4	815.4	727.5	737.5	745.5	751.5
35°	1439.0	1417.0	1359.1	1301.1	1193.2	1083.3	963.3	841.4	813.4	785.5	801.4
37.5°	1459.0	1451.0	1443.0	1433.0	1305.1	1177.2	1057.3	935.4	913.4	889.4	871.4
40°	1479.0	1487.0	1511.0	1532.9	1413.0	1293.1	1181.2	1067.3	1041.3	1015.3	969.3
42.5°	1558.9	1564.9	1600.9	1636.9	1520.9	1403.0	1305.1	1207.2	1169.2	1131.2	1089.2
45°	1728.8	1734.8	1754.8	1774.8	1666.8	1556.9	1449.0	1339.1	1309.1	1277.1	1229.2
47.5°	1964.6	1970.6	1960.6	1950.7	1826.7	1700.8	1572.9	1445.0	1435.0	1425.0	1375.0
50°	2234.5	2226.5	2172.5	2118.5	1982.6	1846.7	1696.8	1544.9	1552.9	1560.9	1524.9
52.5°	2358.4	2354.4	2292.4	2230.5	2090.6	1948.7	1792.8	1634.9	1662.9	1688.8	1668.8
55°	2350.4	2348.4	2306.4	2264.4	2132.5	2000.6	1854.7	1708.8	1772.8	1834.7	1822.7
57.5°	2262.4	2266.4	2260.4	2254.4	2138.5	2022.6	1904.7	1786.8	1882.7	1976.6	1992.6
60°	2124.5	2124.5	2154.5	2182.5	2114.5	2044.6	1946.7	1846.7	1978.6	2110.5	2150.5
62.5°	1836.7	1868.7	1932.7	1996.6	2018.6	2040.6	1960.6	1880.7	2062.6	2244.4	2302.4
65°	1415.0	1429.0	1544.9	1660.9	1768.8	1874.7	1880.7	1886.7	2164.5	2440.3	2460.3
67.5°	821.4	879.4	1007.3	1133.2	1345.1	1554.9	1662.9	1770.8	2208.5	2644.2	2666.2
70°	431.7	455.7	517.6	577.6	767.5	955.3	1223.2	1489.0	2106.5	2722.1	2914.0
72.5°	295.8	317.8	351.8	385.7	457.7	527.6	719.5	909.4	1676.8	2444.3	3039.9
75°	173.9	179.9	221.8	263.8	341.8	419.7	489.7	557.6	1067.3	1574.9	2540.2
77.5°	70.0	75.9	93.9	111.9	221.8	329.8	401.7	473.7	595.6	717.5	1744.8
80°	38.0	38.0	46.0	52.0	99.9	145.9	269.8	393.7	453.7	513.6	1131.2
82.5°	22.0	22.0	28.0	32.0	50.0	68.0	153.9	239.8	353.8	465.7	763.5
85°	8.0	8.0	10.0	12.0	24.0	34.0	56.0	75.9	219.8	361.7	439.7
87.5°	2.0	2.0	4.0	4.0	6.0	8.0	10.0	10.0	8.0	6.0	40.0
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: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1391.0	1379.0	1371.1	1357.1	1343.1	1331.1	1317.1	1299.1	1285.1	1267.1	1249.1
5°	1203.2	1287.1	1373.1	1365.1	1355.1	1327.1	1299.1	1267.1	1237.1	1201.2	1165.2
7.5°	1179.2	1177.2	1095.2	1137.2	1177.2	1145.2	1113.2	1077.3	1037.3	967.3	897.4
10°	875.4	881.4	879.4	889.4	899.4	925.4	949.3	897.4	847.4	737.5	625.6
12.5°	799.4	837.4	847.4	779.5	711.5	739.5	767.5	715.5	665.5	563.6	461.7
15°	649.6	551.6	691.5	783.5	873.4	887.4	899.4	831.4	751.5	611.6	469.7
17.5°	741.5	775.5	735.5	737.5	737.5	739.5	741.5	679.5	599.6	493.7	387.7
20°	673.5	663.5	667.5	733.5	799.4	843.4	885.4	791.5	689.5	525.6	359.8
22.5°	633.6	763.5	819.4	791.5	763.5	693.5	621.6	549.6	465.7	383.7	299.8
25°	705.5	637.6	681.5	789.5	897.4	897.4	897.4	773.5	635.6	459.7	283.8
27.5°	663.5	757.5	801.4	887.4	971.3	1007.3	1041.3	883.4	701.5	483.7	263.8
30°	713.5	757.5	913.4	1085.2	1257.1	1227.2	1195.2	993.3	763.5	507.6	251.8
32.5°	757.5	881.4	1019.3	1149.2	1279.1	1245.1	1209.2	985.3	727.5	457.7	187.9
35°	817.4	897.4	1025.3	1183.2	1341.1	1289.1	1235.1	989.3	699.5	419.7	139.9
37.5°	853.4	941.3	1079.3	1245.1	1409.0	1345.1	1281.1	1007.3	675.5	391.7	107.9
40°	921.4	1009.3	1147.2	1321.1	1495.0	1421.0	1345.1	1039.3	661.5	375.7	89.9
42.5°	1047.3	1087.2	1241.1	1425.0	1608.9	1530.9	1451.0	1107.2	657.5	367.7	77.9
45°	1179.2	1205.2	1341.1	1546.9	1750.8	1670.8	1588.9	1191.2	671.5	373.7	73.9
47.5°	1323.1	1337.1	1461.0	1716.8	1972.6	1862.7	1752.8	1307.1	701.5	385.7	70.0
50°	1489.0	1489.0	1608.9	1884.7	2160.5	2046.6	1932.7	1443.0	739.5	403.7	68.0
52.5°	1646.9	1668.8	1760.8	2042.6	2324.4	2218.5	2110.5	1592.9	789.5	427.7	64.0
55°	1808.7	1878.7	1912.7	2200.5	2488.3	2366.4	2244.4	1702.8	819.4	439.7	60.0
57.5°	2008.6	2082.6	2100.5	2344.4	2588.2	2470.3	2350.4	1796.8	841.4	449.7	58.0
60°	2190.5	2274.4	2310.4	2490.3	2668.2	2546.2	2424.3	1878.7	861.4	457.7	52.0
62.5°	2358.4	2422.3	2478.3	2594.2	2710.1	2596.2	2480.3	1950.7	873.4	459.7	46.0
65°	2480.3	2538.2	2618.2	2684.1	2750.1	2664.2	2578.2	2074.6	907.4	471.7	34.0
67.5°	2686.1	2692.1	2738.1	2792.1	2846.0	2800.1	2754.1	2246.4	947.3	487.7	26.0
70°	3103.9	3035.9	2975.9	3029.9	3081.9	3017.9	2954.0	2296.4	855.4	437.7	20.0
72.5°	3635.5	3749.4	3459.6	3347.7	3233.8	2997.9	2760.1	1976.6	607.6	311.8	16.0
75°	3505.6	4083.2	3797.4	3347.7	2898.0	2534.2	2168.5	1483.0	373.7	193.9	12.0
77.5°	2770.1	3389.7	3287.7	2824.0	2358.4	1910.7	1463.0	911.4	131.9	72.0	12.0
80°	1748.8	2344.4	2256.4	1834.7	1411.0	1003.3	595.6	277.8	50.0	32.0	14.0
82.5°	1061.3	1397.0	1097.2	687.5	277.8	195.9	113.9	60.0	16.0	14.0	12.0
85°	515.6	577.6	377.7	217.8	56.0	52.0	46.0	30.0	8.0	8.0	6.0
87.5°	72.0	52.0	32.0	22.0	10.0	10.0	10.0	6.0	6.0	6.0	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: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1235.1	1219.2	1201.2	1183.2	1163.2	1143.2	1085.2	1025.3	993.3	959.3	951.3
5°	1099.2	1033.3	951.3	867.4	831.4	795.5	777.5	757.5	745.5	731.5	719.5
7.5°	805.4	711.5	711.5	709.5	679.5	649.6	615.6	579.6	557.6	535.6	477.7
10°	575.6	523.6	487.7	451.7	437.7	423.7	379.7	333.8	337.8	339.8	327.8
12.5°	445.7	427.7	361.7	295.8	273.8	251.8	237.8	223.8	203.9	183.9	169.9
15°	381.7	293.8	243.8	193.9	171.9	147.9	127.9	105.9	99.9	91.9	101.9
17.5°	313.8	237.8	189.9	141.9	109.9	77.9	81.9	85.9	93.9	101.9	105.9
20°	269.8	179.9	137.9	95.9	85.9	75.9	79.9	81.9	79.9	75.9	87.9
22.5°	219.8	139.9	105.9	70.0	72.0	73.9	68.0	62.0	73.9	85.9	85.9
25°	187.9	91.9	81.9	72.0	66.0	60.0	68.0	73.9	70.0	66.0	75.9
27.5°	171.9	79.9	70.0	60.0	62.0	64.0	62.0	58.0	64.0	70.0	68.0
30°	163.9	73.9	68.0	60.0	58.0	54.0	56.0	56.0	54.0	52.0	58.0
32.5°	131.9	75.9	66.0	54.0	52.0	48.0	46.0	44.0	46.0	48.0	50.0
35°	105.9	70.0	62.0	52.0	48.0	44.0	42.0	38.0	38.0	38.0	40.0
37.5°	85.9	64.0	56.0	46.0	42.0	38.0	36.0	32.0	32.0	32.0	32.0
40°	75.9	60.0	52.0	42.0	38.0	32.0	30.0	26.0	26.0	24.0	24.0
42.5°	66.0	54.0	46.0	36.0	32.0	28.0	24.0	20.0	20.0	18.0	18.0
45°	62.0	50.0	42.0	34.0	28.0	22.0	20.0	16.0	16.0	14.0	14.0
47.5°	60.0	48.0	40.0	30.0	24.0	18.0	16.0	12.0	12.0	12.0	12.0
50°	56.0	44.0	36.0	26.0	22.0	16.0	14.0	10.0	10.0	10.0	10.0
52.5°	54.0	42.0	32.0	22.0	18.0	12.0	10.0	8.0	8.0	8.0	8.0
55°	52.0	44.0	32.0	20.0	16.0	10.0	8.0	6.0	6.0	6.0	6.0
57.5°	50.0	42.0	30.0	16.0	12.0	8.0	6.0	4.0	4.0	4.0	4.0
60°	44.0	36.0	24.0	12.0	10.0	6.0	4.0	2.0	4.0	4.0	4.0
62.5°	38.0	28.0	20.0	10.0	8.0	4.0	4.0	2.0	4.0	4.0	4.0
65°	28.0	22.0	16.0	8.0	6.0	2.0	2.0	2.0	4.0	4.0	4.0
67.5°	22.0	16.0	12.0	6.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
70°	16.0	12.0	8.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
72.5°	12.0	8.0	6.0	4.0	4.0	2.0	4.0	4.0	4.0	4.0	4.0
75°	10.0	8.0	6.0	4.0	4.0	2.0	4.0	4.0	6.0	6.0	6.0
77.5°	10.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0
80°	10.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0
82.5°	10.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0
85°	6.0	6.0	6.0	6.0	4.0	2.0	6.0	8.0	8.0	6.0	6.0
87.5°	4.0	4.0	6.0	6.0	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: P560796

CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1311.1	1311.1	1311.1	1311.1
2.5°	941.3	931.4	919.4	943.3
5°	707.5	699.5	691.5	705.5
7.5°	419.7	421.7	421.7	399.7
10°	313.8	295.8	275.8	275.8
12.5°	155.9	143.9	131.9	129.9
15°	111.9	113.9	115.9	115.9
17.5°	109.9	105.9	99.9	95.9
20°	97.9	101.9	103.9	103.9
22.5°	85.9	83.9	79.9	79.9
25°	85.9	87.9	89.9	89.9
27.5°	66.0	66.0	64.0	64.0
30°	64.0	64.0	64.0	64.0
32.5°	50.0	52.0	52.0	52.0
35°	42.0	42.0	42.0	42.0
37.5°	32.0	32.0	32.0	30.0
40°	24.0	24.0	24.0	24.0
42.5°	18.0	18.0	18.0	18.0
45°	14.0	14.0	14.0	14.0
47.5°	12.0	12.0	10.0	10.0
50°	8.0	8.0	8.0	8.0
52.5°	6.0	6.0	6.0	6.0
55°	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0
60°	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0
72.5°	4.0	4.0	2.0	2.0
75°	4.0	4.0	2.0	2.0
77.5°	4.0	4.0	2.0	2.0
80°	4.0	4.0	2.0	2.0
82.5°	4.0	4.0	2.0	2.0
85°	4.0	4.0	4.0	2.0
87.5°	4.0	4.0	4.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)