

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: P560876

Luminaire Tested: **SDL-PA1-70-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6557 lumens
Efficiency: N/A
Efficacy: 90.8 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: B2 - U3 - G3

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

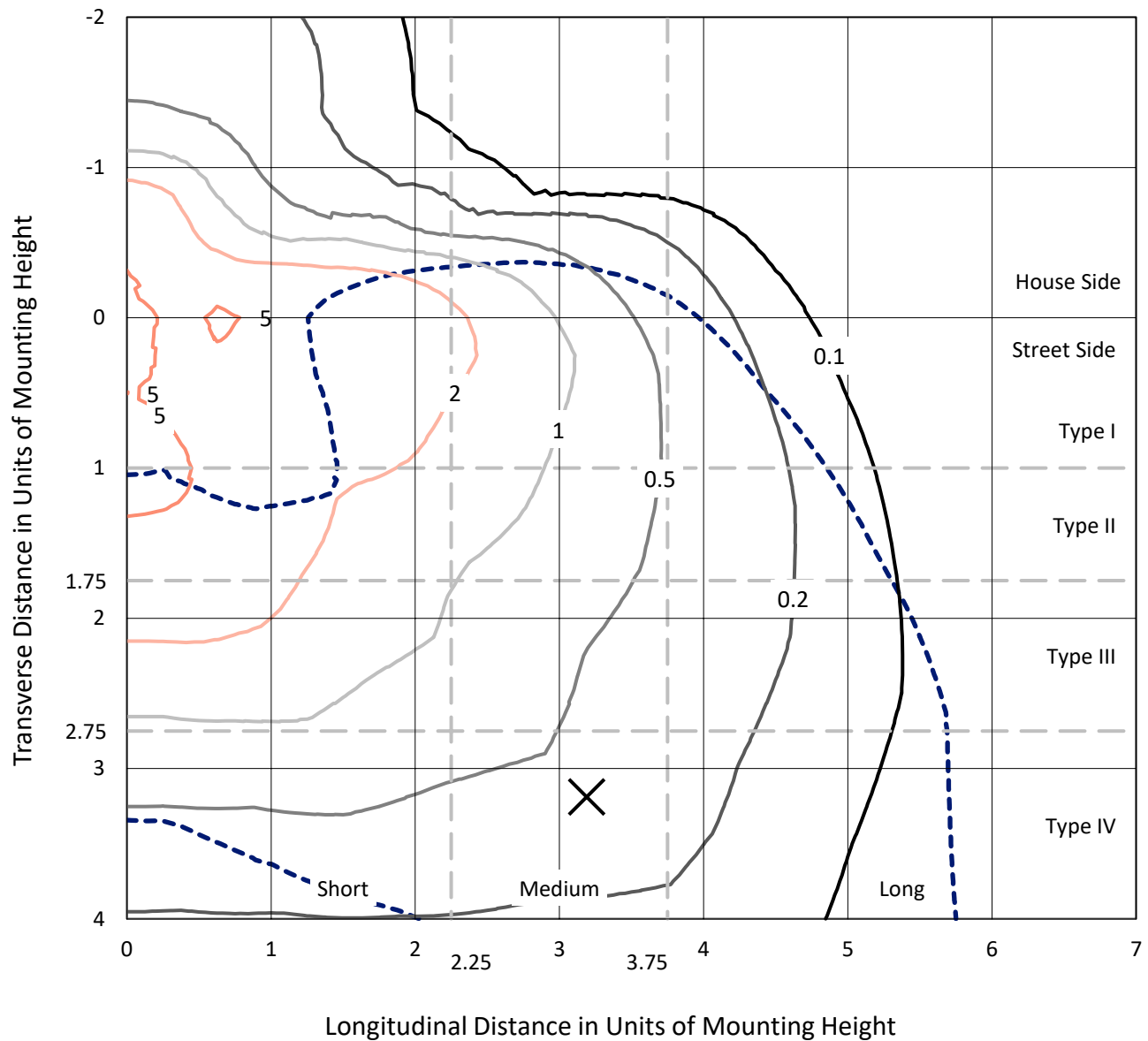


REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

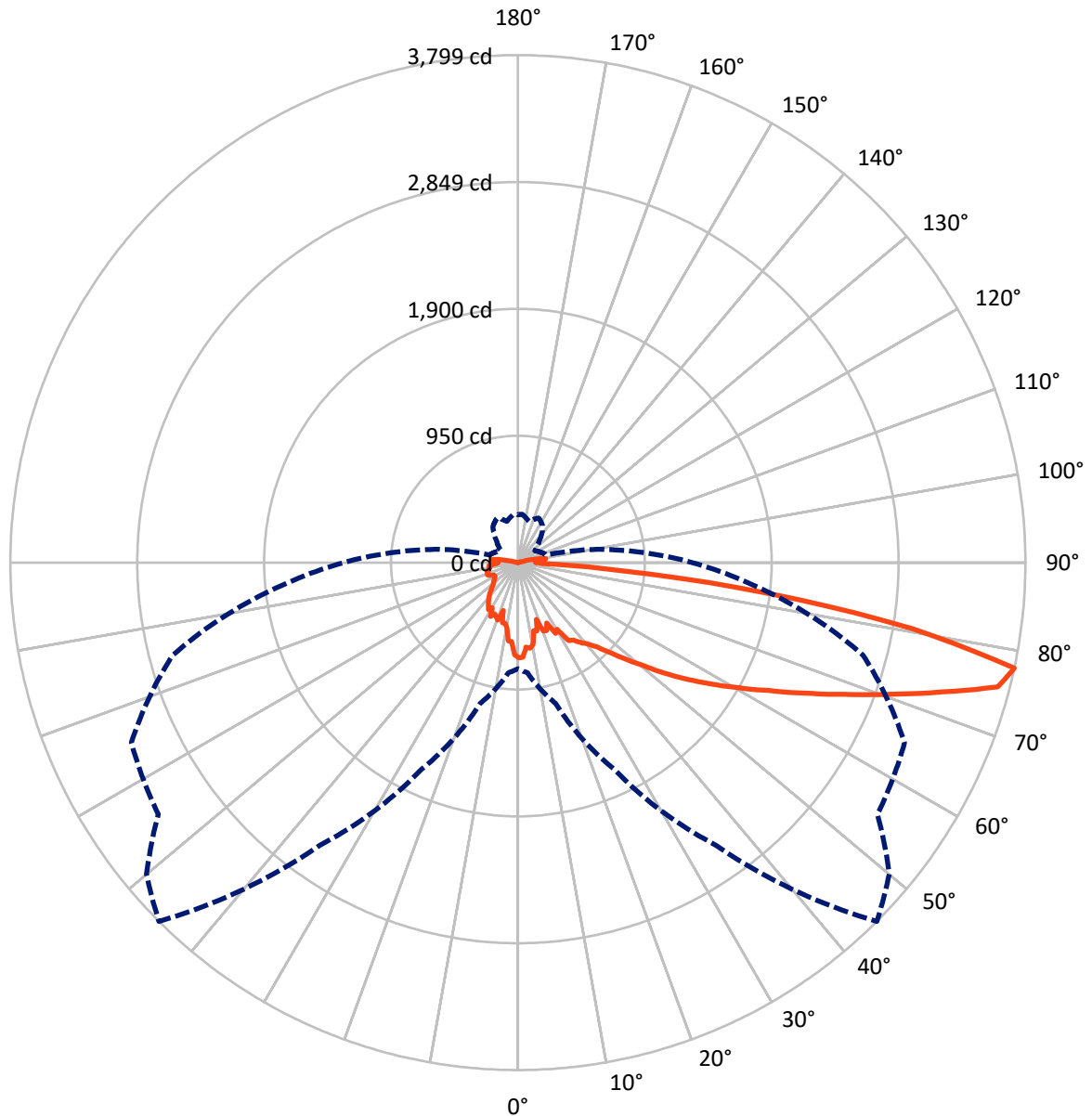


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

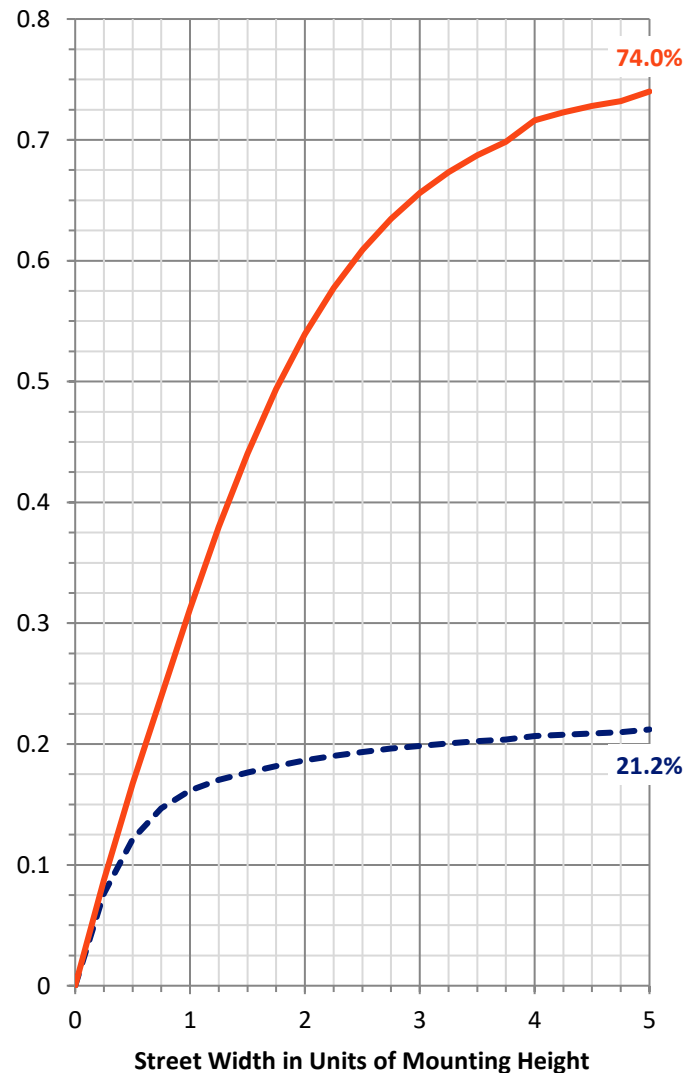
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.6	109.5	1577.1
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4891.3	88.6	4979.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	6358.9	198.1	6557.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	0.9
10°-20°	146.6	2.2
20°-30°	253.6	3.9
30°-40°	449.3	6.9
40°-50°	696.5	10.6
50°-60°	1121.3	17.1
60°-70°	1648.9	25.1
70°-80°	1587.6	24.2
80°-90°	395.9	6.0
90°-100°	147.6	2.3
100°-110°	32.7	0.5
110°-120°	7.1	0.1
120°-130°	5.9	0.1
130°-140°	2.5	0.0
140°-150°	1.1	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6358.9	97.0
0°-180°	6557.0	100.0



REPORT NUMBER: P560876

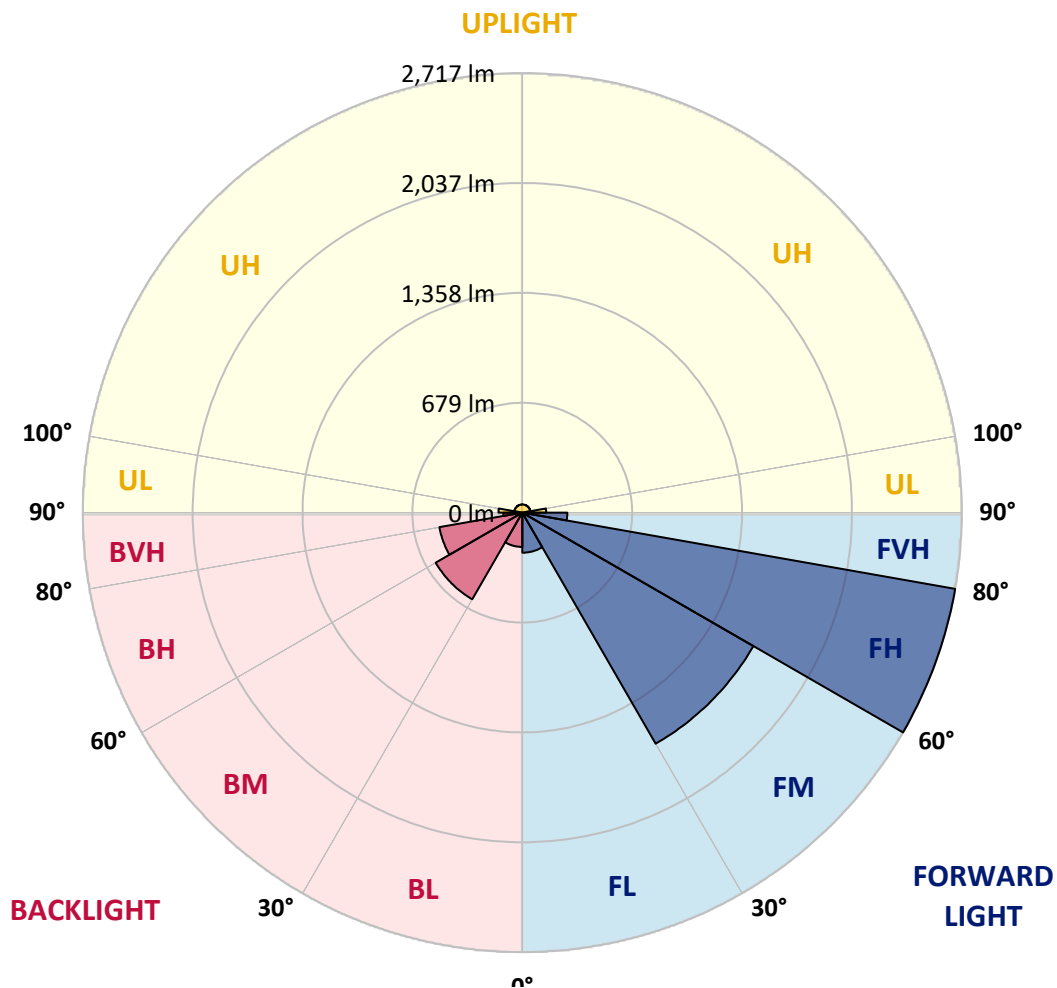
CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.5	3.8			
FM	(30°-60°)	1649.2	25.2			
FH	(60°-80°)	2716.6	41.4			G2/5000
FVH	(80°-90°)	278.1	4.2			G3/500
BL	(0°-30°)	211.8	3.2	B1/500		
BM	(30°-60°)	617.9	9.4	B1/1000		
BH	(60°-80°)	520.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	117.8	1.8			G2/225
UL	(90°-100°)	147.6	2.3		U3/500	
UH	(100°-180°)	50.4	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8
2.5°	647.3	709.2	698.9	706.7	706.7	709.2	711.8	711.8	714.4	711.8	711.8
5°	660.2	657.7	652.5	647.3	642.2	634.5	634.5	634.5	696.4	701.5	696.4
7.5°	616.4	670.6	665.4	655.1	655.1	647.3	637.0	626.7	608.7	603.5	611.2
10°	696.4	693.8	686.0	670.6	613.8	624.1	559.7	505.5	484.9	497.8	531.3
12.5°	619.0	662.8	680.9	680.9	608.7	523.6	466.8	497.8	479.7	428.1	466.8
15°	729.9	724.7	704.1	670.6	533.9	531.3	500.3	438.4	446.2	484.9	521.0
17.5°	624.1	624.1	698.9	639.6	549.3	446.2	443.6	492.6	451.3	430.7	451.3
20°	753.1	750.5	727.3	531.3	554.5	546.8	451.3	502.9	430.7	495.2	541.6
22.5°	639.6	634.5	670.6	637.0	528.7	551.9	423.0	477.1	513.2	453.9	420.4
25°	753.1	758.2	747.9	567.4	600.9	500.3	510.7	544.2	472.0	575.1	598.3
27.5°	662.8	662.8	634.5	634.5	557.1	600.9	479.7	510.7	562.2	621.6	729.9
30°	812.4	815.0	796.9	611.2	616.4	577.7	557.1	593.2	675.7	807.3	856.3
32.5°	992.9	992.9	853.7	729.9	619.0	696.4	588.0	647.3	766.0	833.0	897.5
35°	1106.4	1093.5	1031.6	820.1	668.0	711.8	665.4	688.6	794.4	892.4	938.8
37.5°	1268.9	1263.7	1201.8	900.1	717.0	758.2	691.2	717.0	845.9	936.2	990.4
40°	1493.3	1467.5	1413.3	1039.4	776.3	799.5	722.1	753.1	907.8	992.9	1057.4
42.5°	1671.2	1676.4	1637.7	1204.4	874.3	858.8	776.3	799.5	974.9	1080.6	1152.8
45°	1836.3	1831.1	1838.9	1403.0	995.5	954.3	871.7	874.3	1060.0	1189.0	1287.0
47.5°	1949.8	1947.2	1965.3	1588.7	1150.3	1075.5	977.5	967.2	1158.0	1374.6	1470.1
50°	2086.5	2078.7	2068.4	1787.3	1325.6	1207.0	1116.7	1080.6	1284.4	1583.6	1702.2
52.5°	2254.1	2236.1	2202.5	1942.0	1519.1	1374.6	1274.1	1225.1	1454.6	1818.2	1970.4
55°	2414.0	2388.2	2359.9	2114.8	1697.0	1542.3	1434.0	1405.6	1676.4	2060.7	2256.7
57.5°	2571.3	2558.4	2535.2	2344.4	1924.0	1717.7	1596.4	1591.3	1934.3	2295.4	2563.6
60°	2718.3	2697.7	2728.7	2592.0	2135.5	1903.4	1774.4	1813.1	2218.0	2530.1	2904.0
62.5°	2808.6	2800.9	2867.9	2818.9	2331.5	2109.7	1978.2	2045.2	2491.4	2759.6	3205.8
65°	2674.5	2695.1	2960.8	2960.8	2558.4	2354.7	2225.7	2267.0	2749.3	2991.7	3481.8
67.5°	2429.5	2457.9	2818.9	3040.7	2762.2	2630.7	2496.5	2519.8	2978.8	3180.0	3706.1
70°	2220.6	2241.2	2576.5	3045.9	2891.1	2950.5	2757.0	2736.4	3156.8	3337.3	3788.7
72.5°	2037.5	2065.8	2341.8	3014.9	3017.5	3314.1	3066.5	2942.7	3319.3	3396.6	3525.6
75°	1614.5	1601.6	1913.7	2651.3	3058.8	3711.3	3430.2	3172.3	3399.2	3192.9	2764.8
77.5°	794.4	827.9	1090.9	1707.3	2581.7	3799.0	3628.8	3285.7	3192.9	2674.5	1725.4
80°	234.7	242.4	304.3	611.2	1483.0	2991.7	2996.9	2718.3	2401.1	1562.9	778.9
82.5°	131.5	134.1	175.4	265.6	608.7	1895.6	1973.0	1632.6	1062.6	577.7	389.4
85°	69.6	72.2	90.3	139.3	309.5	755.7	802.1	624.1	513.2	376.5	286.3
87.5°	33.5	33.5	30.9	46.4	113.5	183.1	203.7	232.1	206.3	193.4	237.3
90°	28.4	28.4	23.2	25.8	61.9	131.5	159.9	178.0	162.5	178.0	260.5
92.5°	30.9	30.9	23.2	25.8	67.1	147.0	175.4	198.6	172.8	190.9	288.9
95°	28.4	30.9	20.6	23.2	67.1	180.5	211.5	216.6	178.0	208.9	309.5
97.5°	23.2	23.2	15.5	18.1	59.3	211.5	232.1	224.4	157.3	159.9	247.6
100°	18.1	18.1	10.3	15.5	41.3	170.2	198.6	188.3	103.2	25.8	61.9
102.5°	15.5	15.5	7.7	12.9	18.1	82.5	105.7	103.2	61.9	15.5	12.9
105°	15.5	15.5	7.7	10.3	10.3	23.2	36.1	46.4	25.8	7.7	12.9
107.5°	15.5	15.5	7.7	5.2	5.2	10.3	12.9	12.9	12.9	7.7	15.5



REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	15.5	15.5	5.2	5.2	2.6	5.2	5.2	5.2	5.2	7.7	15.5
115°	12.9	12.9	2.6	5.2	2.6	2.6	5.2	2.6	5.2	5.2	12.9
117.5°	12.9	10.3	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.7	15.5
120°	12.9	12.9	5.2	2.6	2.6	2.6	2.6	2.6	5.2	10.3	18.1
122.5°	12.9	12.9	5.2	2.6	0.0	2.6	2.6	2.6	5.2	10.3	20.6
125°	15.5	12.9	5.2	2.6	0.0	0.0	2.6	2.6	2.6	10.3	18.1
127.5°	12.9	10.3	5.2	2.6	0.0	0.0	2.6	2.6	2.6	7.7	15.5
130°	12.9	10.3	5.2	0.0	0.0	0.0	2.6	2.6	2.6	7.7	12.9
132.5°	10.3	7.7	5.2	0.0	0.0	0.0	2.6	2.6	2.6	5.2	10.3
135°	7.7	7.7	2.6	0.0	2.6	0.0	2.6	2.6	2.6	2.6	7.7
137.5°	5.2	5.2	2.6	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
140°	2.6	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6
145°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	7.7	7.7	7.7	5.2	2.6	2.6	2.6	5.2	2.6	2.6	2.6
152.5°	7.7	7.7	7.7	5.2	0.0	0.0	2.6	2.6	5.2	2.6	2.6
155°	5.2	5.2	5.2	0.0	0.0	0.0	2.6	2.6	2.6	5.2	5.2
157.5°	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560876

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8
2.5°	709.2	706.7	704.1	701.5	696.4	691.2	678.3	624.1	624.1	626.7	626.7
5°	696.4	693.8	686.0	637.0	608.7	593.2	598.3	598.3	598.3	600.9	606.1
7.5°	608.7	606.1	570.0	567.4	577.7	590.6	598.3	585.5	559.7	559.7	559.7
10°	531.3	528.7	464.2	451.3	464.2	495.2	575.1	590.6	600.9	603.5	608.7
12.5°	464.2	456.5	399.8	441.0	412.7	464.2	536.4	595.8	541.6	531.3	531.3
15°	515.8	513.2	446.2	386.9	389.4	464.2	425.5	559.7	590.6	595.8	598.3
17.5°	451.3	446.2	410.1	407.5	430.7	374.0	472.0	533.9	508.1	515.8	515.8
20°	539.0	536.4	469.4	389.4	384.3	456.5	417.8	484.9	577.7	595.8	598.3
22.5°	417.8	417.8	430.7	456.5	415.2	435.9	446.2	513.2	495.2	505.5	536.4
25°	593.2	588.0	521.0	410.1	446.2	420.4	466.8	487.4	572.6	593.2	598.3
27.5°	719.6	706.7	559.7	461.7	402.3	451.3	448.8	472.0	484.9	564.8	575.1
30°	848.5	835.6	719.6	518.4	417.8	389.4	428.1	505.5	582.9	595.8	606.1
32.5°	894.9	884.6	735.0	549.3	420.4	415.2	425.5	505.5	639.6	691.2	701.5
35°	943.9	931.0	750.5	536.4	410.1	386.9	402.3	521.0	637.0	670.6	678.3
37.5°	1003.3	980.0	768.6	510.7	381.7	366.2	384.3	474.5	606.1	639.6	644.8
40°	1078.1	1054.8	791.8	482.3	353.3	340.4	350.8	441.0	531.3	559.7	572.6
42.5°	1191.5	1147.7	802.1	459.1	327.5	314.6	325.0	397.2	466.8	484.9	492.6
45°	1338.5	1261.2	817.6	428.1	304.3	286.3	301.8	363.6	397.2	397.2	397.2
47.5°	1519.1	1395.3	825.3	402.3	276.0	260.5	276.0	330.1	348.2	337.9	335.3
50°	1740.9	1565.5	864.0	371.4	252.7	239.9	265.6	291.4	299.2	304.3	304.3
52.5°	2001.4	1761.5	887.2	340.4	237.3	229.5	255.3	273.4	276.0	281.1	281.1
55°	2285.1	1975.6	900.1	312.1	227.0	216.6	245.0	263.1	263.1	268.2	268.2
57.5°	2579.1	2223.2	933.6	291.4	216.6	206.3	234.7	265.6	255.3	265.6	268.2
60°	2888.6	2452.7	905.3	270.8	201.2	198.6	237.3	283.7	281.1	294.0	296.6
62.5°	3180.0	2635.8	778.9	252.7	190.9	201.2	265.6	319.8	312.1	332.7	332.7
65°	3345.1	2697.7	572.6	242.4	183.1	216.6	294.0	355.9	330.1	340.4	335.3
67.5°	3381.2	2635.8	412.7	229.5	180.5	242.4	314.6	363.6	327.5	337.9	337.9
70°	3296.1	2491.4	332.7	219.2	178.0	245.0	319.8	363.6	330.1	353.3	348.2
72.5°	2911.8	2120.0	283.7	208.9	178.0	239.9	327.5	366.2	337.9	376.5	368.8
75°	2194.8	1586.1	250.2	198.6	167.6	232.1	332.7	368.8	327.5	368.8	363.6
77.5°	1305.0	905.3	221.8	185.7	154.7	224.4	327.5	368.8	319.8	363.6	358.5
80°	551.9	425.5	188.3	162.5	141.8	214.1	322.4	366.2	306.9	353.3	345.6
82.5°	348.2	288.9	159.9	134.1	139.3	211.5	325.0	361.1	301.8	355.9	330.1
85°	281.1	237.3	136.7	113.5	129.0	216.6	312.1	327.5	260.5	306.9	299.2
87.5°	237.3	198.6	61.9	49.0	95.4	167.6	237.3	245.0	188.3	239.9	229.5
90°	260.5	216.6	59.3	41.3	85.1	147.0	219.2	214.1	180.5	229.5	227.0
92.5°	283.7	229.5	56.7	43.8	95.4	159.9	239.9	216.6	190.9	232.1	229.5
95°	294.0	234.7	54.2	46.4	113.5	175.4	255.3	211.5	201.2	214.1	211.5
97.5°	221.8	170.2	51.6	49.0	118.6	198.6	239.9	178.0	131.5	131.5	129.0
100°	56.7	56.7	46.4	46.4	80.0	144.4	183.1	131.5	74.8	56.7	59.3
102.5°	15.5	18.1	41.3	43.8	43.8	64.5	103.2	85.1	49.0	7.7	7.7
105°	15.5	15.5	28.4	33.5	23.2	20.6	41.3	46.4	36.1	5.2	7.7
107.5°	15.5	15.5	12.9	18.1	7.7	10.3	10.3	12.9	12.9	5.2	5.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.1	15.5	7.7	5.2	5.2	5.2	5.2	5.2	5.2	12.9	12.9
115°	15.5	12.9	7.7	5.2	5.2	5.2	5.2	2.6	5.2	15.5	15.5
117.5°	18.1	15.5	7.7	5.2	2.6	5.2	5.2	2.6	5.2	18.1	18.1
120°	20.6	18.1	7.7	5.2	2.6	2.6	2.6	2.6	7.7	18.1	18.1
122.5°	20.6	20.6	10.3	2.6	2.6	2.6	2.6	2.6	7.7	18.1	18.1
125°	20.6	18.1	7.7	2.6	2.6	2.6	0.0	2.6	7.7	18.1	20.6
127.5°	15.5	15.5	7.7	2.6	2.6	2.6	0.0	2.6	7.7	15.5	18.1
130°	12.9	12.9	5.2	2.6	2.6	2.6	0.0	2.6	7.7	15.5	15.5
132.5°	10.3	10.3	5.2	2.6	2.6	0.0	0.0	0.0	7.7	12.9	12.9
135°	7.7	7.7	2.6	2.6	2.6	0.0	0.0	0.0	5.2	10.3	10.3
137.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	5.2	5.2
140°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	2.6
147.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	2.6	5.2	2.6	5.2
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	2.6	5.2	5.2	5.2
155°	5.2	5.2	5.2	2.6	2.6	0.0	0.0	0.0	2.6	5.2	5.2
157.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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110°	18.1	18.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.7	15.5
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110°	18.1	15.5	7.7	7.7	5.2	5.2	5.2	5.2	5.2	10.3	10.3
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(END OF REPORT)