

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: P560700

Luminaire Tested: **SDL-PA1-60-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560700
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-PA1-60-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 5782.5 lumens
Efficiency: N/A
Efficacy: 92.7 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 - U3 - G3

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

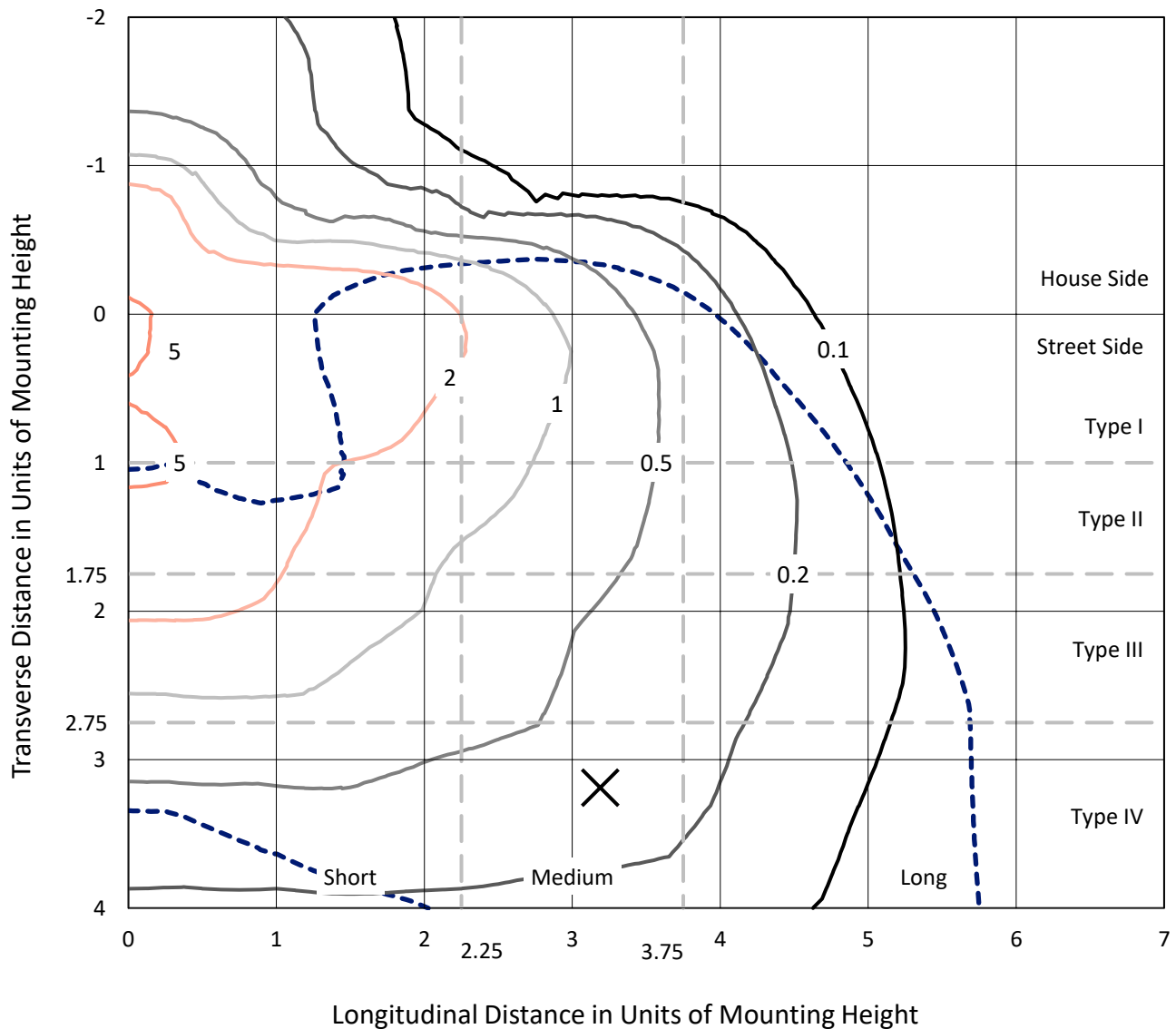


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

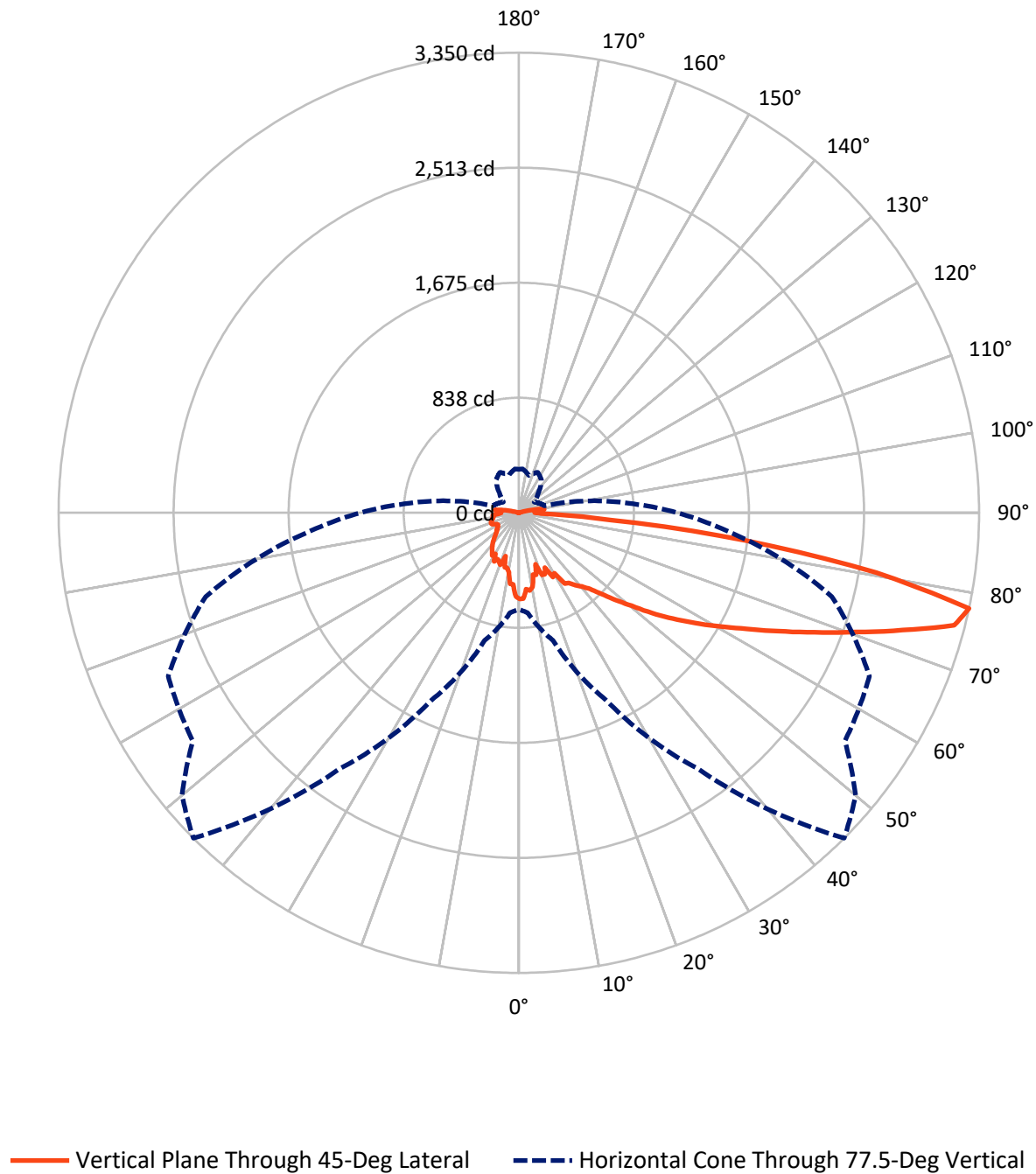


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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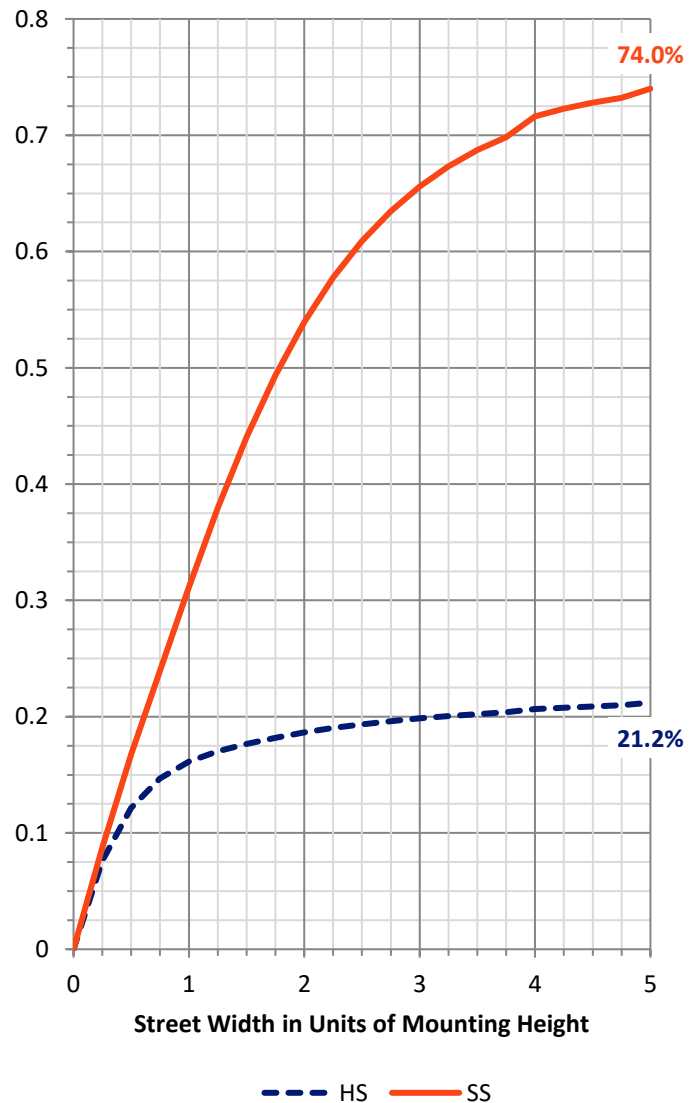
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.3	96.5	1390.8
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4313.7	78.1	4391.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	5607.9	174.6	5782.5
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	0.9
10°-20°	129.3	2.2
20°-30°	223.6	3.9
30°-40°	396.2	6.9
40°-50°	614.3	10.6
50°-60°	988.9	17.1
60°-70°	1454.2	25.1
70°-80°	1400.1	24.2
80°-90°	349.2	6.0
90°-100°	130.2	2.3
100°-110°	28.8	0.5
110°-120°	6.2	0.1
120°-130°	5.2	0.1
130°-140°	2.2	0.0
140°-150°	1.0	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5607.9	97.0
0°-180°	5782.5	100.0

Coefficient of Utilization



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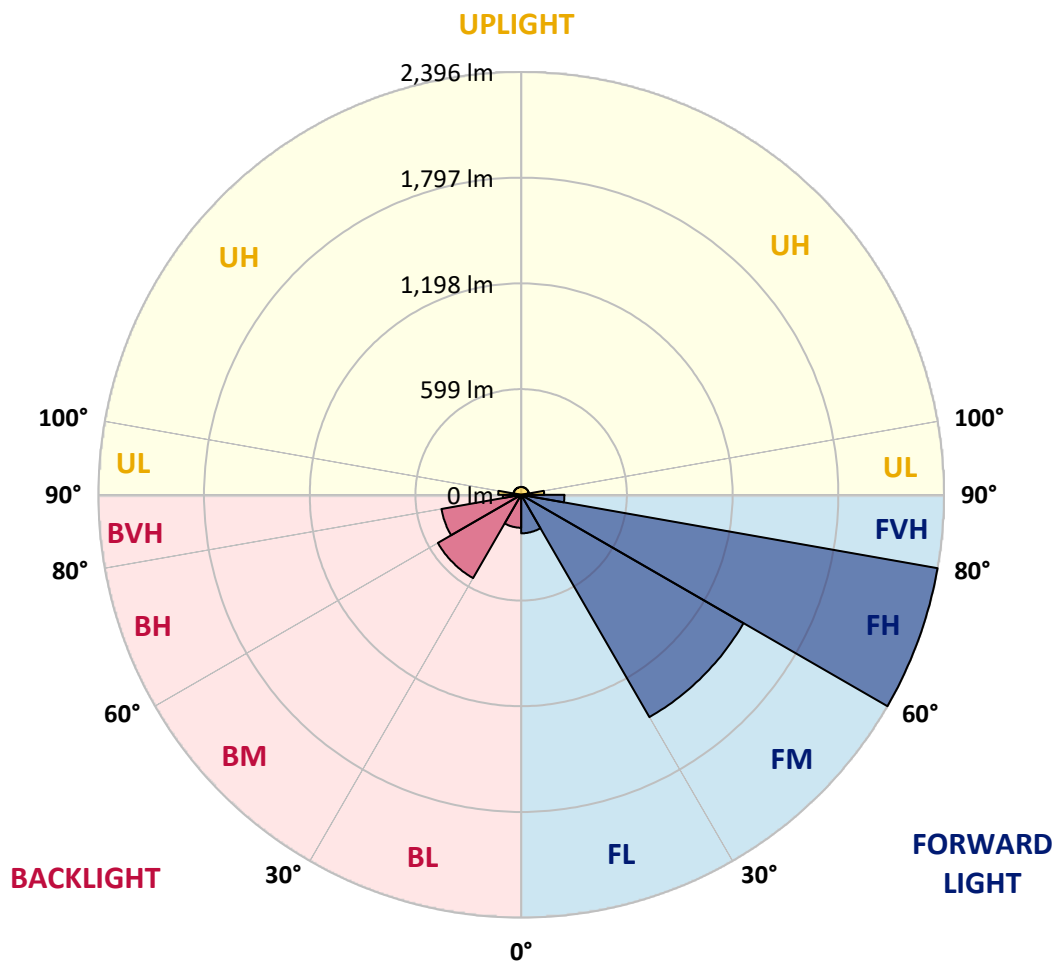
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.3	3.8			
FM	(30°-60°)	1454.4	25.2			
FH	(60°-80°)	2395.7	41.4			G2/5000
FVH	(80°-90°)	245.2	4.2			G3/500
BL	(0°-30°)	186.8	3.2	B1/500		
BM	(30°-60°)	545.0	9.4	B1/1000		
BH	(60°-80°)	458.6	7.9	B1/500		G1/500
BVH	(80°-90°)	103.9	1.8			G2/225
UL	(90°-100°)	130.2	2.3		U3/500	
UH	(100°-180°)	44.4	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8
2.5°	570.9	625.5	616.4	623.2	623.2	625.5	627.8	627.8	630.0	627.8	627.8
5°	582.3	580.0	575.4	570.9	566.3	559.5	559.5	559.5	614.1	618.7	614.1
7.5°	543.6	591.4	586.8	577.7	577.7	570.9	561.8	552.7	536.8	532.2	539.1
10°	614.1	611.8	605.0	591.4	541.3	550.4	493.6	445.8	427.6	439.0	468.5
12.5°	545.9	584.5	600.5	600.5	536.8	461.7	411.7	439.0	423.1	377.6	411.7
15°	643.7	639.1	620.9	591.4	470.8	468.5	441.3	386.7	393.5	427.6	459.4
17.5°	550.4	550.4	616.4	564.1	484.5	393.5	391.2	434.4	398.0	379.8	398.0
20°	664.2	661.9	641.4	468.5	489.0	482.2	398.0	443.5	379.8	436.7	477.6
22.5°	564.1	559.5	591.4	561.8	466.3	486.7	373.0	420.8	452.6	400.3	370.7
25°	664.2	668.7	659.6	500.4	530.0	441.3	450.4	479.9	416.2	507.2	527.7
27.5°	584.5	584.5	559.5	559.5	491.3	530.0	423.1	450.4	495.8	548.2	643.7
30°	716.5	718.7	702.8	539.1	543.6	509.5	491.3	523.1	595.9	711.9	755.1
32.5°	875.7	875.7	752.9	643.7	545.9	614.1	518.6	570.9	675.5	734.7	791.5
35°	975.8	964.4	909.8	723.3	589.1	627.8	586.8	607.3	700.5	787.0	827.9
37.5°	1119.1	1114.5	1059.9	793.8	632.3	668.7	609.6	632.3	746.0	825.6	873.4
40°	1316.9	1294.2	1246.4	916.6	684.6	705.1	636.9	664.2	800.6	875.7	932.5
42.5°	1473.9	1478.4	1444.3	1062.2	771.1	757.4	684.6	705.1	859.8	953.0	1016.7
45°	1619.4	1614.9	1621.7	1237.3	878.0	841.6	768.8	771.1	934.8	1048.5	1135.0
47.5°	1719.5	1717.2	1733.2	1401.1	1014.4	948.5	862.0	852.9	1021.2	1212.3	1296.5
50°	1840.1	1833.2	1824.1	1576.2	1169.1	1064.5	984.9	953.0	1132.7	1396.5	1501.2
52.5°	1987.9	1972.0	1942.4	1712.7	1339.7	1212.3	1123.6	1080.4	1282.8	1603.5	1737.7
55°	2128.9	2106.2	2081.2	1865.1	1496.6	1360.1	1264.6	1239.6	1478.4	1817.3	1990.2
57.5°	2267.7	2256.3	2235.8	2067.5	1696.8	1514.8	1407.9	1403.4	1705.9	2024.3	2260.9
60°	2397.3	2379.1	2406.4	2285.9	1883.3	1678.6	1564.9	1599.0	1956.1	2231.3	2561.1
62.5°	2476.9	2470.1	2529.2	2486.0	2056.1	1860.5	1744.5	1803.7	2197.2	2433.7	2827.2
65°	2358.7	2376.8	2611.1	2611.1	2256.3	2076.6	1962.9	1999.3	2424.6	2638.4	3070.6
67.5°	2142.6	2167.6	2486.0	2681.6	2436.0	2320.0	2201.7	2222.2	2627.0	2804.5	3268.5
70°	1958.3	1976.5	2272.2	2686.2	2549.7	2602.0	2431.4	2413.2	2784.0	2943.2	3341.2
72.5°	1796.9	1821.9	2065.2	2658.9	2661.2	2922.7	2704.4	2595.2	2927.3	2995.5	3109.2
75°	1423.8	1412.5	1687.7	2338.2	2697.6	3273.0	3025.1	2797.6	2997.8	2815.8	2438.3
77.5°	700.5	730.1	962.1	1505.7	2276.8	3350.3	3200.2	2897.7	2815.8	2358.7	1521.6
80°	207.0	213.8	268.4	539.1	1307.8	2638.4	2643.0	2397.3	2117.6	1378.3	686.9
82.5°	116.0	118.3	154.7	234.3	536.8	1671.8	1740.0	1439.8	937.1	509.5	343.4
85°	61.4	63.7	79.6	122.8	272.9	666.4	707.4	550.4	452.6	332.1	252.5
87.5°	29.6	29.6	27.3	40.9	100.1	161.5	179.7	204.7	182.0	170.6	209.3
90°	25.0	25.0	20.5	22.7	54.6	116.0	141.0	156.9	143.3	156.9	229.7
92.5°	27.3	27.3	20.5	22.7	59.1	129.6	154.7	175.1	152.4	168.3	254.7
95°	25.0	27.3	18.2	20.5	59.1	159.2	186.5	191.1	156.9	184.2	272.9
97.5°	20.5	20.5	13.6	15.9	52.3	186.5	204.7	197.9	138.7	141.0	218.4
100°	15.9	15.9	9.1	13.6	36.4	150.1	175.1	166.0	91.0	22.7	54.6
102.5°	13.6	13.6	6.8	11.4	15.9	72.8	93.3	91.0	54.6	13.6	11.4
105°	13.6	13.6	6.8	9.1	9.1	20.5	31.8	40.9	22.7	6.8	11.4
107.5°	13.6	13.6	6.8	4.5	4.5	9.1	11.4	11.4	11.4	6.8	13.6
110°	15.9	15.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.8	13.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.6	13.6	4.5	4.5	2.3	4.5	4.5	4.5	4.5	6.8	13.6
115°	11.4	11.4	2.3	4.5	2.3	2.3	4.5	2.3	4.5	4.5	11.4
117.5°	11.4	9.1	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	13.6
120°	11.4	11.4	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	15.9
122.5°	11.4	11.4	4.5	2.3	0.0	2.3	2.3	2.3	4.5	9.1	18.2
125°	13.6	11.4	4.5	2.3	0.0	0.0	2.3	2.3	2.3	9.1	15.9
127.5°	11.4	9.1	4.5	2.3	0.0	0.0	2.3	2.3	2.3	6.8	13.6
130°	11.4	9.1	4.5	0.0	0.0	0.0	2.3	2.3	2.3	6.8	11.4
132.5°	9.1	6.8	4.5	0.0	0.0	0.0	2.3	2.3	2.3	4.5	9.1
135°	6.8	6.8	2.3	0.0	2.3	0.0	2.3	2.3	2.3	2.3	6.8
137.5°	4.5	4.5	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	6.8	6.8	6.8	4.5	2.3	2.3	2.3	4.5	2.3	2.3	2.3
152.5°	6.8	6.8	6.8	4.5	0.0	0.0	2.3	2.3	4.5	2.3	2.3
155°	4.5	4.5	4.5	0.0	0.0	0.0	2.3	2.3	2.3	4.5	4.5
157.5°	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8
2.5°	625.5	623.2	620.9	618.7	614.1	609.6	598.2	550.4	550.4	552.7	552.7
5°	614.1	611.8	605.0	561.8	536.8	523.1	527.7	527.7	527.7	530.0	534.5
7.5°	536.8	534.5	502.7	500.4	509.5	520.9	527.7	516.3	493.6	493.6	493.6
10°	468.5	466.3	409.4	398.0	409.4	436.7	507.2	520.9	530.0	532.2	536.8
12.5°	409.4	402.6	352.5	388.9	363.9	409.4	473.1	525.4	477.6	468.5	468.5
15°	454.9	452.6	393.5	341.2	343.4	409.4	375.3	493.6	520.9	525.4	527.7
17.5°	398.0	393.5	361.6	359.4	379.8	329.8	416.2	470.8	448.1	454.9	454.9
20°	475.4	473.1	414.0	343.4	338.9	402.6	368.5	427.6	509.5	525.4	527.7
22.5°	368.5	368.5	379.8	402.6	366.2	384.4	393.5	452.6	436.7	445.8	473.1
25°	523.1	518.6	459.4	361.6	393.5	370.7	411.7	429.9	504.9	523.1	527.7
27.5°	634.6	623.2	493.6	407.1	354.8	398.0	395.8	416.2	427.6	498.1	507.2
30°	748.3	736.9	634.6	457.2	368.5	343.4	377.6	445.8	514.0	525.4	534.5
32.5°	789.3	780.2	648.2	484.5	370.7	366.2	375.3	445.8	564.1	609.6	618.7
35°	832.5	821.1	661.9	473.1	361.6	341.2	354.8	459.4	561.8	591.4	598.2
37.5°	884.8	864.3	677.8	450.4	336.6	323.0	338.9	418.5	534.5	564.1	568.6
40°	950.7	930.3	698.3	425.3	311.6	300.2	309.3	388.9	468.5	493.6	504.9
42.5°	1050.8	1012.2	707.4	404.9	288.9	277.5	286.6	350.3	411.7	427.6	434.4
45°	1180.5	1112.2	721.0	377.6	268.4	252.5	266.1	320.7	350.3	350.3	350.3
47.5°	1339.7	1230.5	727.8	354.8	243.4	229.7	243.4	291.1	307.1	298.0	295.7
50°	1535.3	1380.6	762.0	327.5	222.9	211.5	234.3	257.0	263.8	268.4	268.4
52.5°	1765.0	1553.5	782.4	300.2	209.3	202.4	225.2	241.1	243.4	247.9	247.9
55°	2015.2	1742.3	793.8	275.2	200.2	191.1	216.1	232.0	232.0	236.5	236.5
57.5°	2274.5	1960.6	823.4	257.0	191.1	182.0	207.0	234.3	225.2	234.3	236.5
60°	2547.4	2163.0	798.3	238.8	177.4	175.1	209.3	250.2	247.9	259.3	261.6
62.5°	2804.5	2324.5	686.9	222.9	168.3	177.4	234.3	282.0	275.2	293.4	293.4
65°	2950.0	2379.1	504.9	213.8	161.5	191.1	259.3	313.9	291.1	300.2	295.7
67.5°	2981.9	2324.5	363.9	202.4	159.2	213.8	277.5	320.7	288.9	298.0	298.0
70°	2906.8	2197.2	293.4	193.3	156.9	216.1	282.0	320.7	291.1	311.6	307.1
72.5°	2567.9	1869.6	250.2	184.2	156.9	211.5	288.9	323.0	298.0	332.1	325.3
75°	1935.6	1398.8	220.6	175.1	147.8	204.7	293.4	325.3	288.9	325.3	320.7
77.5°	1150.9	798.3	195.6	163.8	136.5	197.9	288.9	325.3	282.0	320.7	316.2
80°	486.7	375.3	166.0	143.3	125.1	188.8	284.3	323.0	270.7	311.6	304.8
82.5°	307.1	254.7	141.0	118.3	122.8	186.5	286.6	318.4	266.1	313.9	291.1
85°	247.9	209.3	120.5	100.1	113.7	191.1	275.2	288.9	229.7	270.7	263.8
87.5°	209.3	175.1	54.6	43.2	84.2	147.8	209.3	216.1	166.0	211.5	202.4
90°	229.7	191.1	52.3	36.4	75.1	129.6	193.3	188.8	159.2	202.4	200.2
92.5°	250.2	202.4	50.0	38.7	84.2	141.0	211.5	191.1	168.3	204.7	202.4
95°	259.3	207.0	47.8	40.9	100.1	154.7	225.2	186.5	177.4	188.8	186.5
97.5°	195.6	150.1	45.5	43.2	104.6	175.1	211.5	156.9	116.0	116.0	113.7
100°	50.0	50.0	40.9	40.9	70.5	127.4	161.5	116.0	66.0	50.0	52.3
102.5°	13.6	15.9	36.4	38.7	38.7	56.9	91.0	75.1	43.2	6.8	6.8
105°	13.6	13.6	25.0	29.6	20.5	18.2	36.4	40.9	31.8	4.5	6.8
107.5°	13.6	13.6	11.4	15.9	6.8	9.1	9.1	11.4	11.4	4.5	4.5
110°	15.9	13.6	6.8	6.8	4.5	4.5	4.5	4.5	4.5	9.1	9.1



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CATALOG NUMBER: SDL-PA1-60-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.9	13.6	6.8	4.5	4.5	4.5	4.5	4.5	4.5	11.4	11.4
115°	13.6	11.4	6.8	4.5	4.5	4.5	4.5	2.3	4.5	13.6	13.6
117.5°	15.9	13.6	6.8	4.5	2.3	4.5	4.5	2.3	4.5	15.9	15.9
120°	18.2	15.9	6.8	4.5	2.3	2.3	2.3	2.3	6.8	15.9	15.9
122.5°	18.2	18.2	9.1	2.3	2.3	2.3	2.3	2.3	6.8	15.9	15.9
125°	18.2	15.9	6.8	2.3	2.3	2.3	0.0	2.3	6.8	15.9	18.2
127.5°	13.6	13.6	6.8	2.3	2.3	2.3	0.0	2.3	6.8	13.6	15.9
130°	11.4	11.4	4.5	2.3	2.3	2.3	0.0	2.3	6.8	13.6	13.6
132.5°	9.1	9.1	4.5	2.3	2.3	0.0	0.0	0.0	6.8	11.4	11.4
135°	6.8	6.8	2.3	2.3	2.3	0.0	0.0	0.0	4.5	9.1	9.1
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.5	2.3	4.5
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.5	4.5	4.5
155°	4.5	4.5	4.5	2.3	2.3	0.0	0.0	0.0	2.3	4.5	4.5
157.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	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

(END OF REPORT)