

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: P559811

Luminaire Tested: **SDL-PA1-100-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8549.5 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 93.8
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

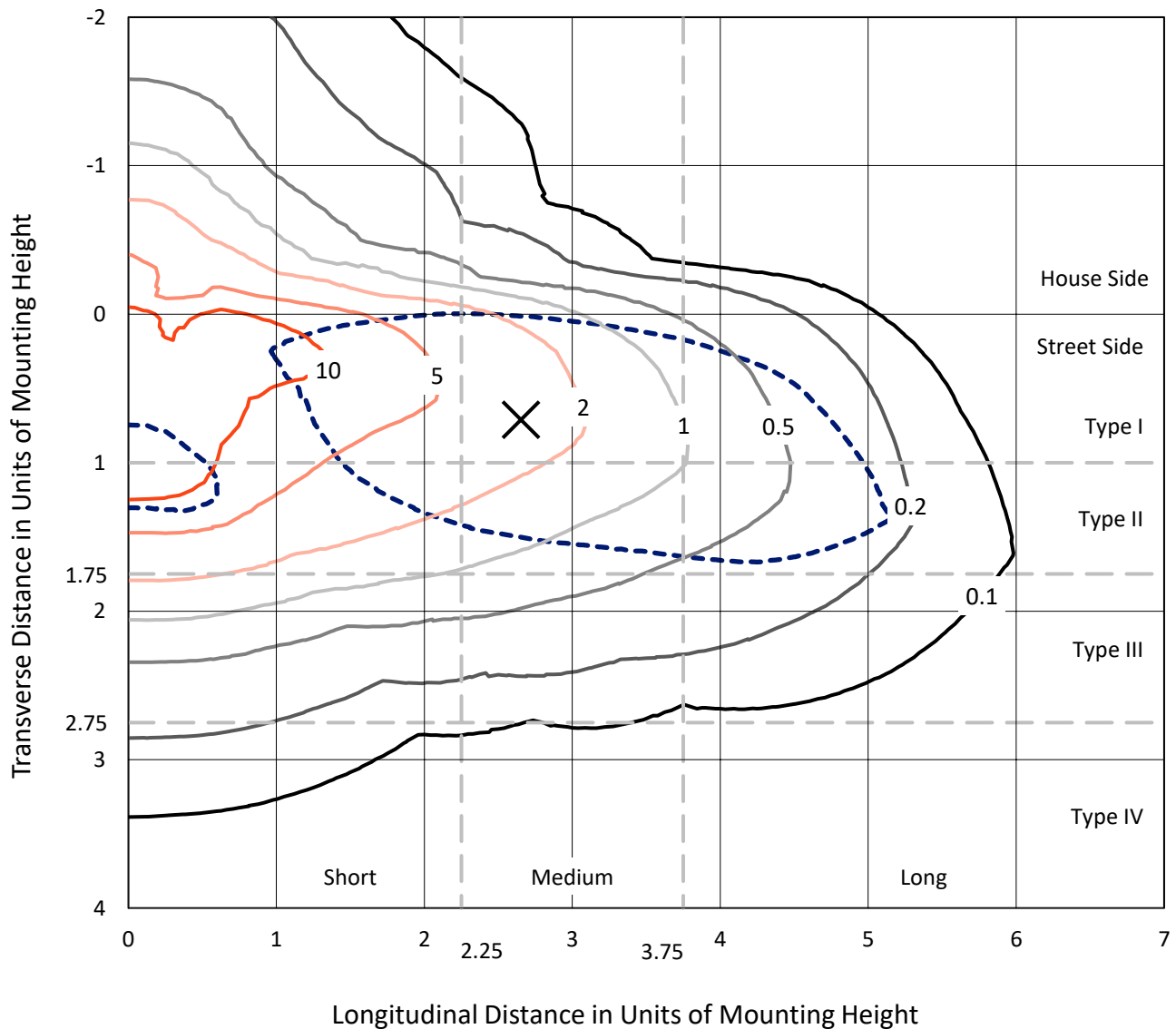


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

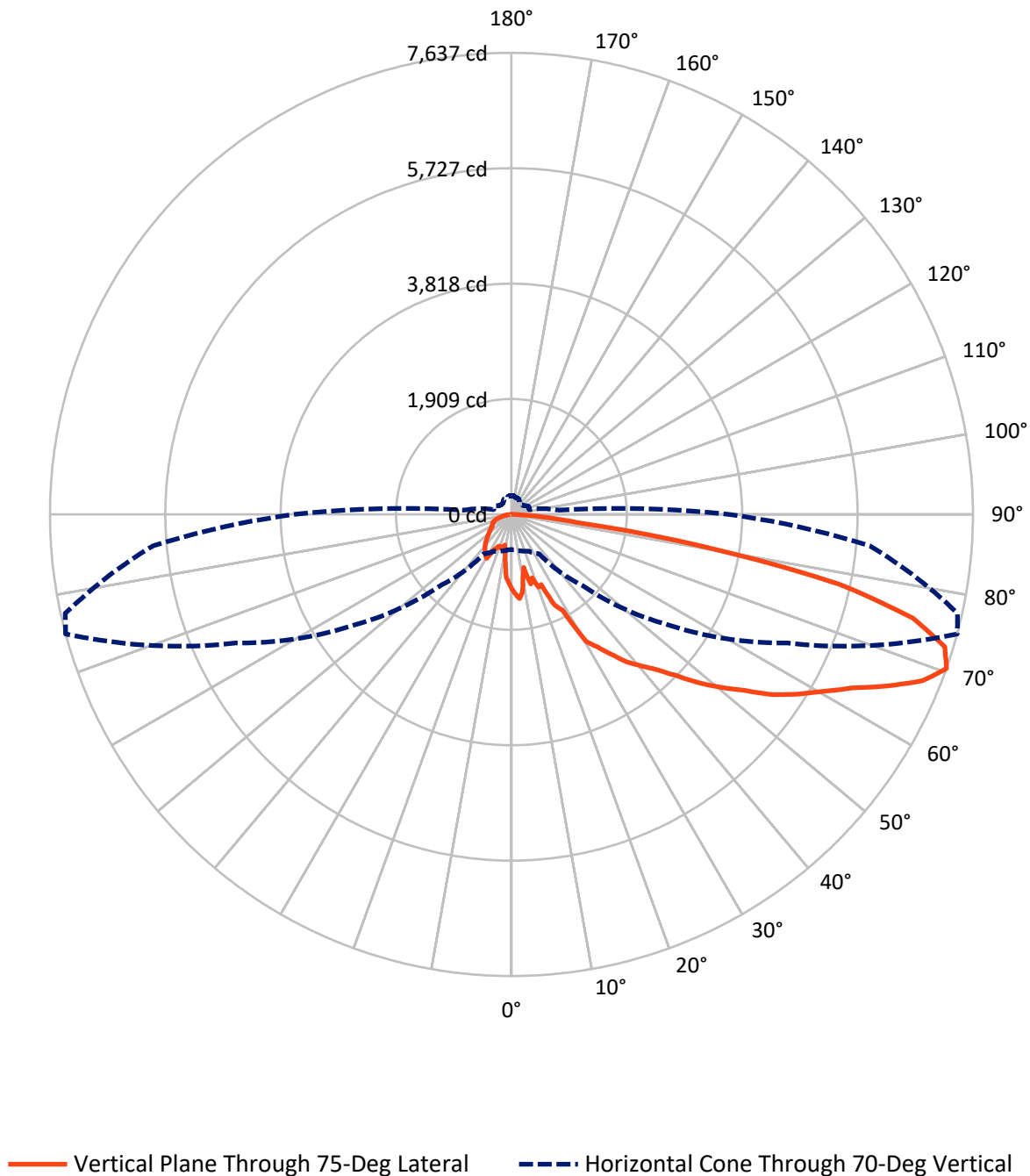


Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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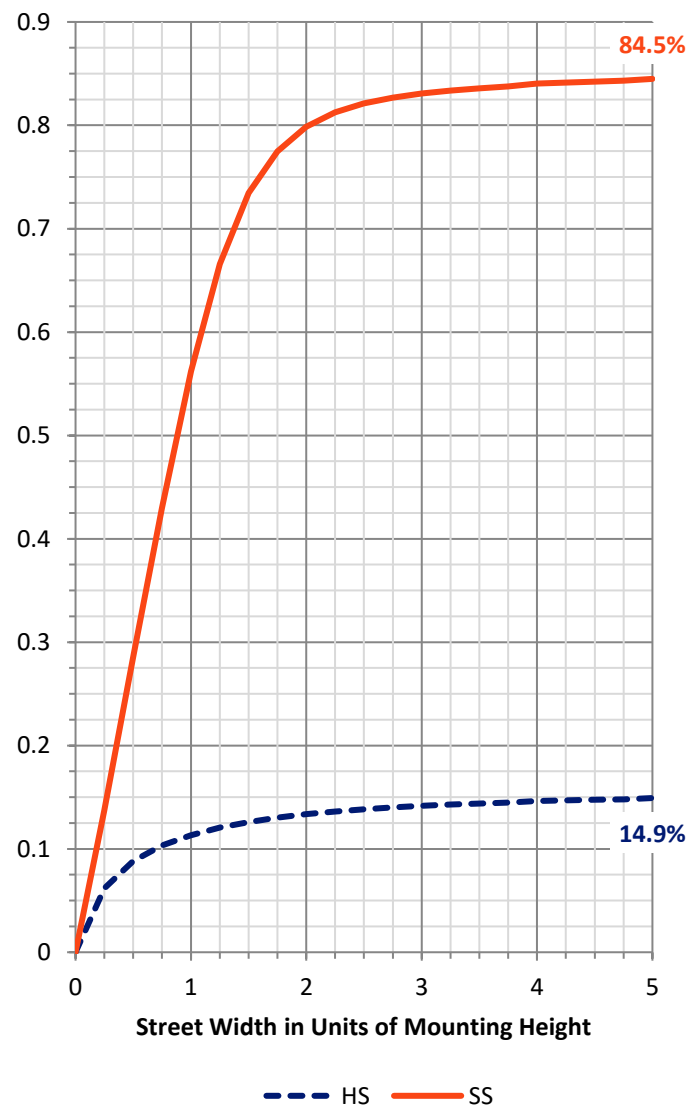
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.6	0.0	1300.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7248.9	0.0	7248.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	8549.5	0.0	8549.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	1.2
10°-20°	271.6	3.2
20°-30°	496.5	5.8
30°-40°	1008.0	11.8
40°-50°	1547.0	18.1
50°-60°	1865.0	21.8
60°-70°	1803.7	21.1
70°-80°	1251.1	14.6
80°-90°	204.3	2.4
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°	8549.5	100.0
0°-180°	8549.5	100.0

Coefficient of Utilization



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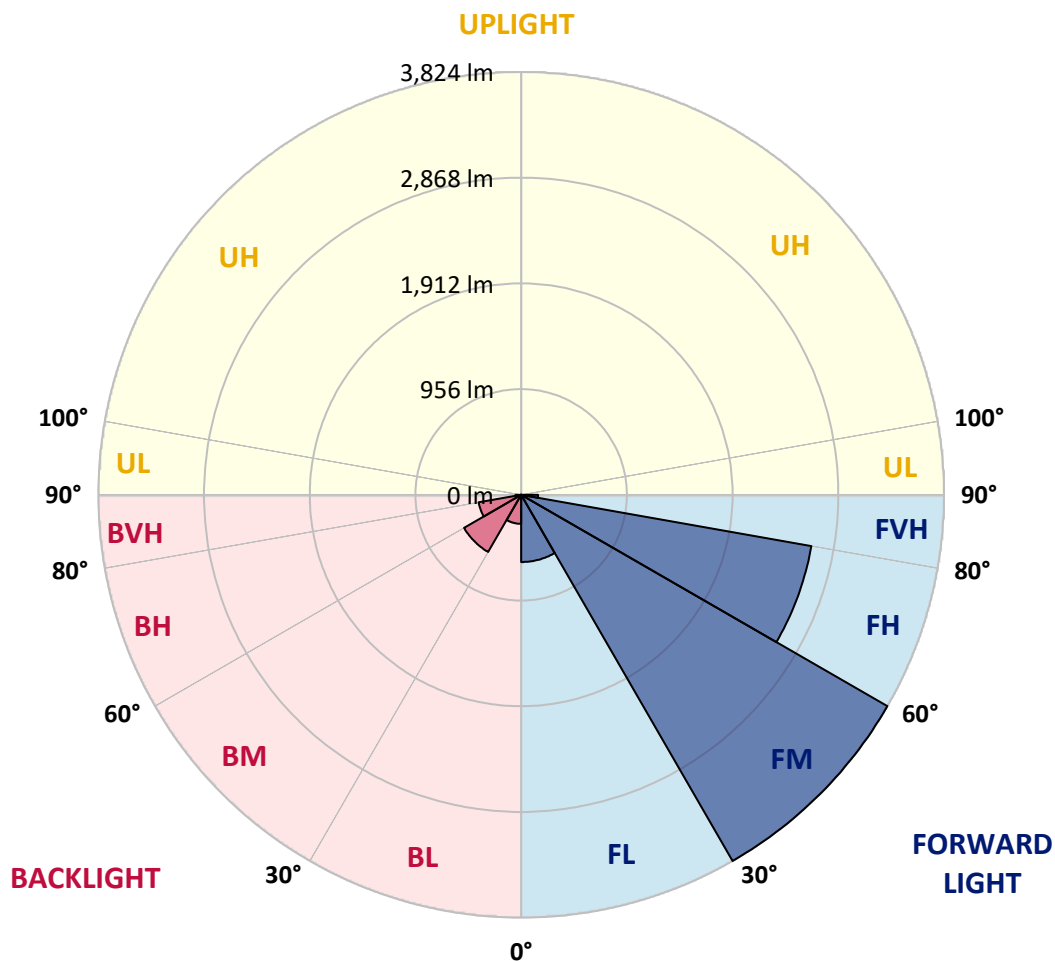
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.7	7.1			
FM	(30°-60°)	3823.5	44.7			
FH	(60°-80°)	2664.7	31.2			G2/5000
FVH	(80°-90°)	153.0	1.8			G2/225
BL	(0°-30°)	262.6	3.1	B1/500		
BM	(30°-60°)	596.5	7.0	B1/1000		
BH	(60°-80°)	390.1	4.6	B1/500		G1/500
BVH	(80°-90°)	51.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6
2.5°	1282.7	1405.3	1345.6	1414.8	1449.3	1427.3	1408.5	1361.3	1320.4	1304.7	1263.9
5°	1414.8	1411.6	1395.9	1389.6	1361.3	1326.7	1298.4	1455.6	1399.0	1370.7	1298.4
7.5°	1254.4	1361.3	1439.9	1480.8	1480.8	1439.9	1395.9	1204.1	1301.6	1276.4	1172.7
10°	1575.1	1575.1	1572.0	1575.1	1292.1	1361.3	1169.5	1087.8	1053.2	1135.0	1053.2
12.5°	1339.3	1455.6	1587.7	1634.8	1505.9	1285.9	1197.8	1150.7	902.3	883.4	933.7
15°	1575.1	1584.5	1597.1	1405.3	1194.7	1364.5	1043.8	1034.3	1194.7	1166.4	1179.0
17.5°	1263.9	1276.4	1549.9	1515.4	1389.6	1034.3	1301.6	1163.2	1103.5	1065.8	1062.6
20°	1594.0	1600.2	1597.1	1197.8	1282.7	1408.5	1348.7	1024.9	1285.9	1301.6	1317.3
22.5°	1348.7	1351.9	1367.6	1524.8	1298.4	1468.2	1216.7	1527.9	1260.7	1298.4	980.9
25°	1814.0	1814.0	1757.4	1373.9	1572.0	1339.3	1480.8	1314.2	1653.7	1609.7	1474.5
27.5°	1691.4	1678.8	1612.8	1700.9	1417.9	1694.6	1465.1	1650.6	1795.2	1732.3	1788.9
30°	2376.8	2392.5	2307.6	1766.9	1726.0	1625.4	1688.3	1955.5	2442.8	2408.2	2150.4
32.5°	3181.6	3033.9	2647.2	2288.8	1886.3	1983.8	1886.3	2307.6	2615.7	2622.0	2276.2
35°	3571.5	3558.9	3392.3	2700.6	2169.3	2169.3	2115.9	2408.2	2838.9	2798.1	2411.4
37.5°	3882.7	3863.9	3747.5	3052.7	2424.0	2411.4	2238.5	2562.3	3093.6	2989.9	2559.1
40°	4146.8	4121.7	4021.1	3298.0	2700.6	2640.9	2389.4	2738.3	3291.7	3301.1	2700.6
42.5°	4322.9	4313.4	4241.1	3521.2	2930.1	2823.2	2590.6	2964.7	3502.3	3555.8	2876.7
45°	4461.2	4458.1	4395.2	3766.4	3093.6	2989.9	2804.4	3134.5	3791.6	3823.0	3065.3
47.5°	4476.9	4489.5	4489.5	3889.0	3206.8	3137.6	3024.4	3285.4	4159.4	4093.4	3285.4
50°	4313.4	4326.0	4404.6	4093.4	3304.2	3260.2	3213.1	3467.7	4495.8	4398.3	3518.0
52.5°	3895.3	3923.6	4137.4	3992.8	3354.6	3351.4	3389.1	3703.5	4838.5	4734.7	3826.1
55°	2996.1	3015.0	3546.3	3697.2	3338.8	3373.4	3521.2	3995.9	5262.9	5171.7	4150.0
57.5°	2288.8	2342.2	2675.5	3137.6	3165.9	3354.6	3606.1	4200.3	5605.6	5514.4	4448.6
60°	1842.3	1880.1	2075.0	2480.5	2794.9	3272.8	3722.4	4454.9	5938.8	5894.8	4769.3
62.5°	1443.1	1468.2	1603.4	1870.6	2269.9	3081.0	3794.7	4731.6	6322.4	6300.4	5187.5
65°	1034.3	1059.5	1179.0	1355.0	1754.3	2719.5	3760.1	4995.7	6838.0	6816.0	5593.0
67.5°	754.5	760.8	839.4	958.9	1245.0	2200.7	3590.3	5162.3	7341.0	7297.0	5904.3
70°	581.6	587.9	625.6	669.7	795.4	1666.3	3194.2	5036.5	7636.6	7561.1	5951.4
72.5°	471.6	471.6	487.3	509.3	543.9	1087.8	2508.8	4542.9	7498.2	7350.5	5558.4
75°	396.1	396.1	405.6	399.3	380.4	679.1	1744.9	3794.7	6866.3	6680.8	4838.5
77.5°	333.3	330.1	330.1	333.3	295.5	462.2	1065.8	2923.8	5549.0	5369.8	3587.2
80°	273.5	273.5	273.5	273.5	242.1	330.1	635.1	1939.8	3187.9	2782.4	1644.3
82.5°	201.2	204.4	213.8	213.8	201.2	242.1	330.1	811.1	1090.9	965.2	581.6
85°	94.3	97.5	125.8	132.0	128.9	119.5	172.9	364.7	509.3	462.2	135.2
87.5°	3.1	3.1	12.6	28.3	25.2	18.9	34.6	50.3	18.9	22.0	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6	1235.6
2.5°	1235.6	1207.3	1141.2	1084.6	1024.9	984.0	892.9	826.8	792.3	786.0	795.4
5°	1241.8	1179.0	1046.9	880.3	754.5	723.1	710.5	707.4	704.2	704.2	704.2
7.5°	1094.1	1012.3	814.3	691.7	710.5	710.5	710.5	701.1	644.5	619.4	619.4
10°	965.2	858.3	606.8	559.6	562.8	591.1	666.5	745.1	760.8	764.0	767.1
12.5°	836.3	732.5	515.6	543.9	490.4	581.6	688.5	767.1	691.7	653.9	653.9
15°	1053.2	905.4	597.3	477.9	484.2	581.6	525.0	710.5	760.8	764.0	767.1
17.5°	949.5	798.6	556.5	503.0	531.3	443.3	600.5	672.8	619.4	613.1	606.8
20°	1153.8	949.5	581.6	499.9	496.7	537.6	509.3	509.3	691.7	691.7	691.7
22.5°	855.1	704.2	565.9	562.8	474.7	531.3	506.2	565.9	543.9	534.5	534.5
25°	1254.4	993.5	619.4	493.6	509.3	468.4	521.9	465.3	575.3	581.6	581.6
27.5°	1505.9	1166.4	672.8	547.0	468.4	503.0	430.7	468.4	443.3	446.4	446.4
30°	1795.2	1367.6	836.3	572.2	481.0	415.0	427.6	405.6	481.0	471.6	468.4
32.5°	1873.8	1380.2	804.8	606.8	468.4	418.1	386.7	418.1	446.4	487.3	487.3
35°	1964.9	1392.8	760.8	578.5	459.0	389.8	383.6	418.1	452.7	440.1	440.1
37.5°	2049.8	1402.2	726.2	543.9	421.3	380.4	380.4	386.7	421.3	402.4	402.4
40°	2147.3	1405.3	685.4	506.2	389.8	374.1	352.1	358.4	361.5	349.0	345.8
42.5°	2257.3	1402.2	638.2	471.6	361.5	349.0	333.3	333.3	342.7	339.5	336.4
45°	2376.8	1399.0	587.9	430.7	330.1	314.4	305.0	342.7	358.4	358.4	352.1
47.5°	2521.4	1399.0	540.8	383.6	308.1	283.0	276.7	317.5	349.0	355.3	361.5
50°	2688.0	1392.8	496.7	349.0	286.1	264.1	273.5	314.4	339.5	349.0	345.8
52.5°	2905.0	1380.2	459.0	320.7	270.4	242.1	257.8	305.0	336.4	339.5	336.4
55°	3093.6	1336.2	421.3	308.1	257.8	229.5	248.4	301.8	330.1	330.1	330.1
57.5°	3253.9	1273.3	389.8	298.7	254.7	226.4	245.2	298.7	317.5	327.0	327.0
60°	3448.9	1194.7	367.8	295.5	251.5	223.2	242.1	295.5	311.2	323.8	323.8
62.5°	3650.1	1128.7	355.3	295.5	242.1	226.4	242.1	295.5	308.1	323.8	320.7
65°	3813.6	1043.8	342.7	301.8	238.9	226.4	242.1	295.5	305.0	320.7	320.7
67.5°	3804.1	927.5	327.0	317.5	242.1	229.5	242.1	292.4	298.7	320.7	314.4
70°	3590.3	792.3	301.8	314.4	251.5	229.5	238.9	283.0	286.1	314.4	305.0
72.5°	3203.6	641.4	267.2	295.5	251.5	232.6	232.6	270.4	270.4	301.8	283.0
75°	2681.8	493.6	220.1	260.9	238.9	238.9	220.1	254.7	248.4	267.2	248.4
77.5°	1999.5	374.1	169.8	216.9	216.9	235.8	210.6	235.8	226.4	229.5	220.1
80°	833.1	226.4	128.9	169.8	185.5	229.5	201.2	213.8	191.8	191.8	185.5
82.5°	345.8	144.6	88.0	106.9	125.8	204.4	191.8	182.3	157.2	144.6	135.2
85°	125.8	78.6	59.7	72.3	81.7	141.5	138.3	116.3	91.2	100.6	81.7
87.5°	9.4	12.6	12.6	15.7	15.7	18.9	31.4	31.4	18.9	15.7	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559811

CATALOG NUMBER: SDL-PA1-100-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)