

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: P560867

Luminaire Tested: **SDL-PA1-70-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560867
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-PA1-70-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7041.8 lumens
Efficiency: N/A
Efficacy: 97.5 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): 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

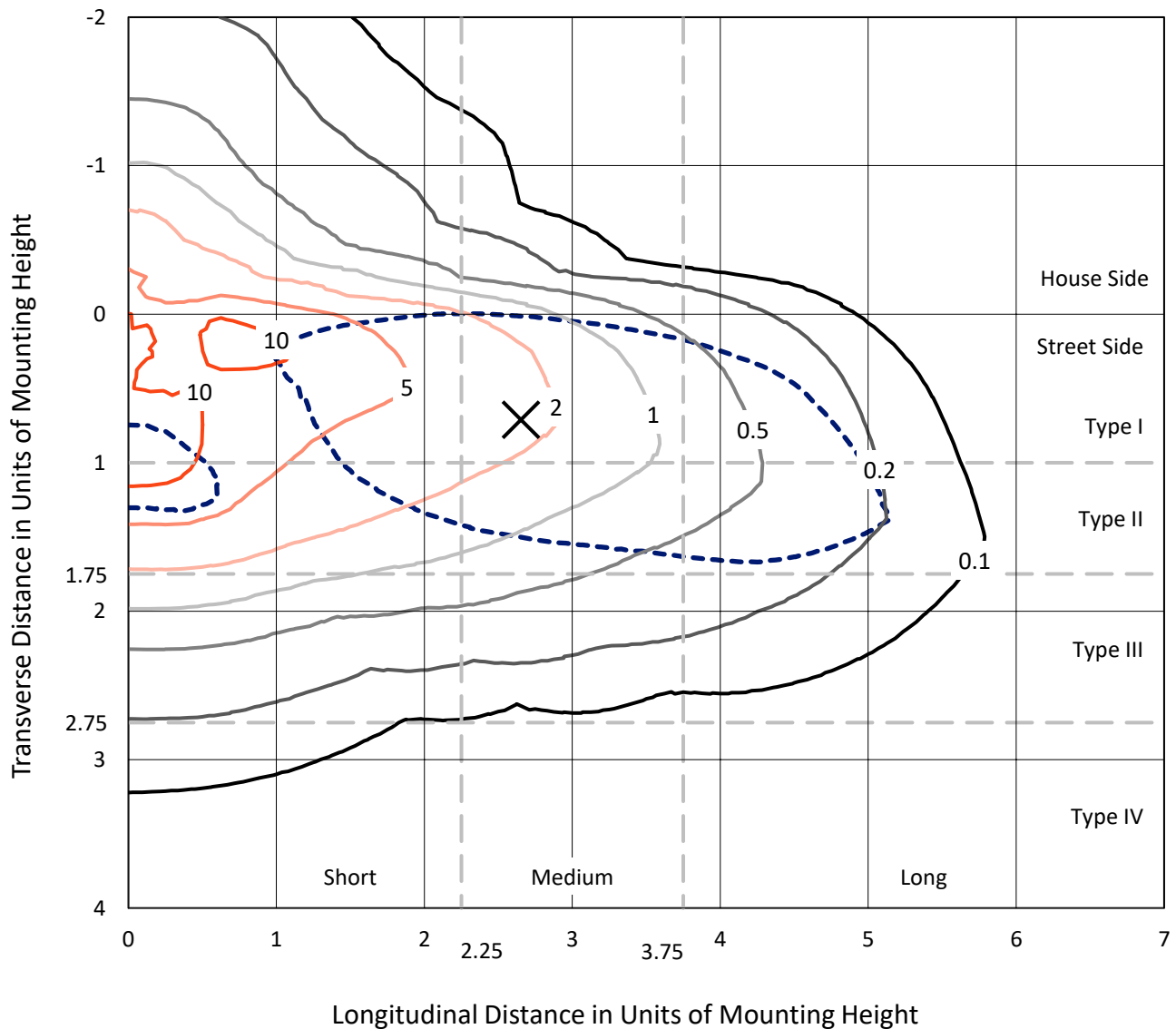


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

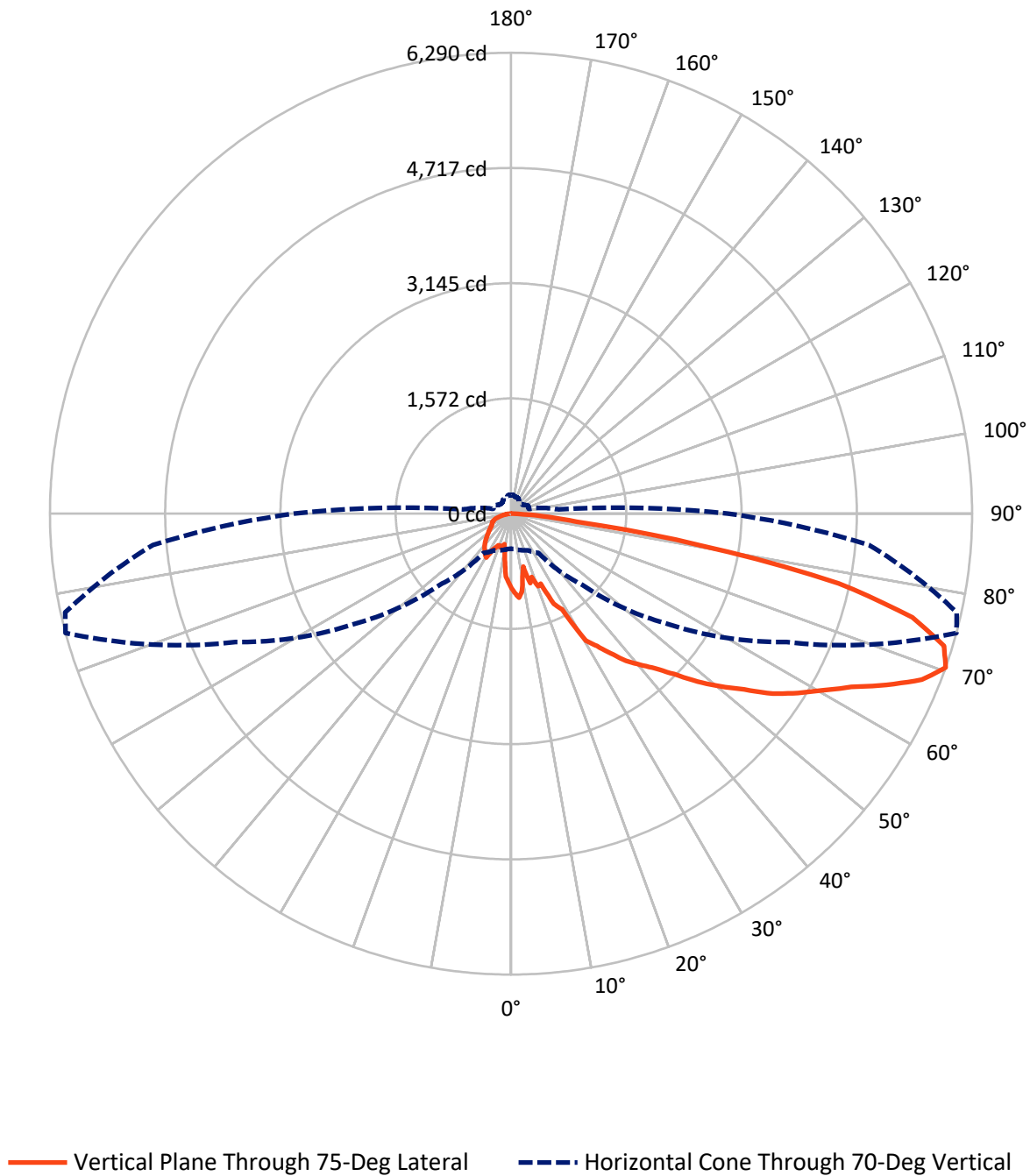


Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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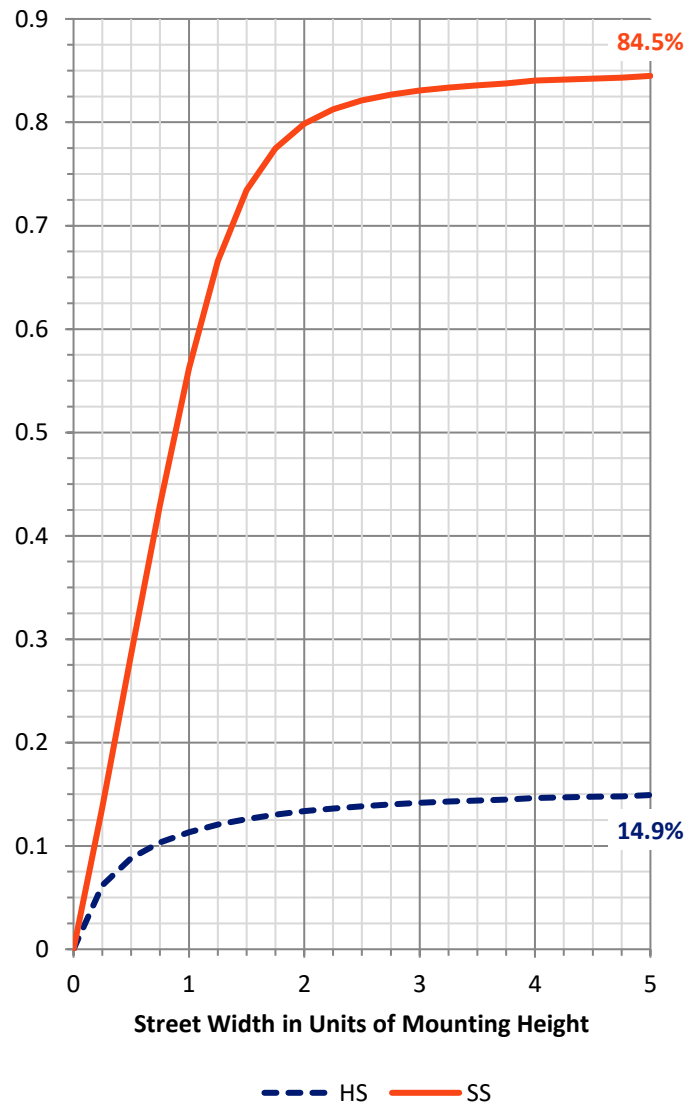
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.2	0.0	1071.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5970.6	0.0	5970.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	7041.8	0.0	7041.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.2
10°-20°	223.7	3.2
20°-30°	409.0	5.8
30°-40°	830.3	11.8
40°-50°	1274.2	18.1
50°-60°	1536.1	21.8
60°-70°	1485.6	21.1
70°-80°	1030.5	14.6
80°-90°	168.3	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°	7041.8	100.0
0°-180°	7041.8	100.0

Coefficient of Utilization



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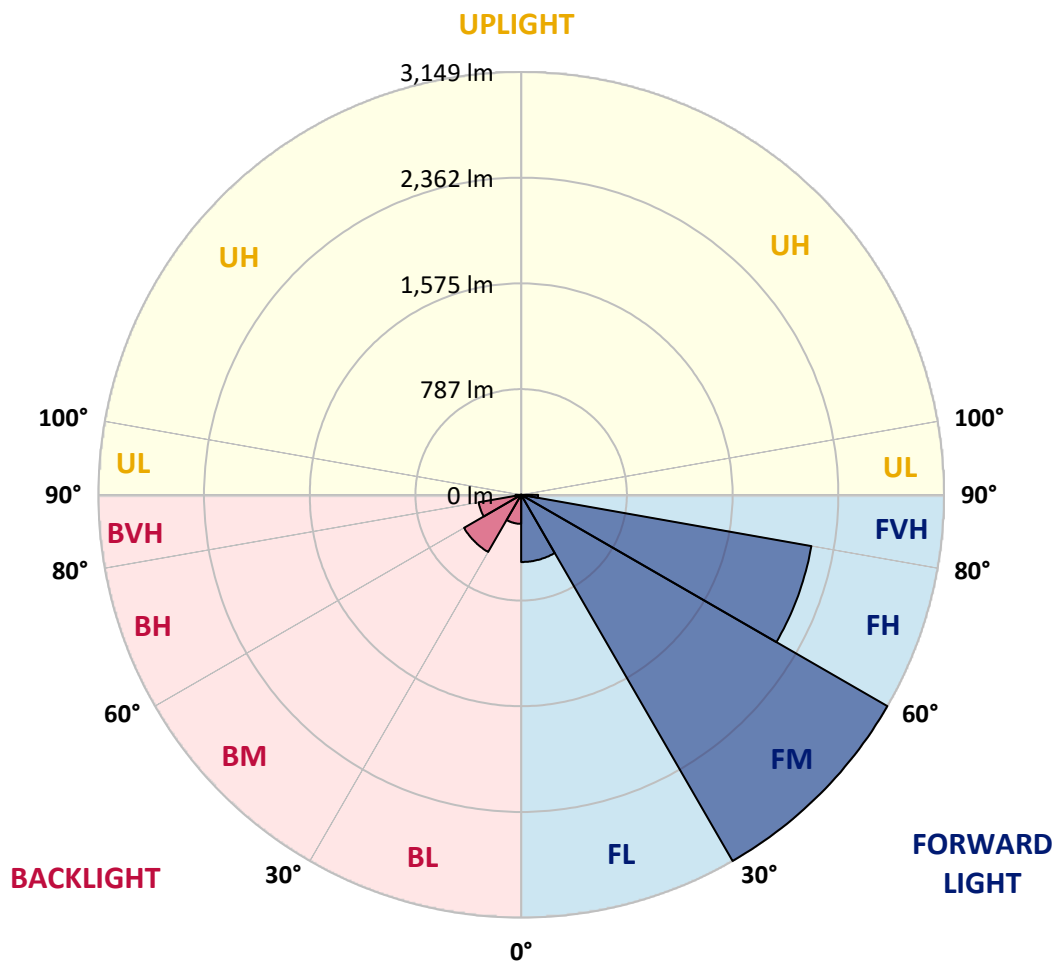
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.6	7.1			
FM	(30°-60°)	3149.3	44.7			
FH	(60°-80°)	2194.8	31.2			G2/5000
FVH	(80°-90°)	126.0	1.8			G2/225
BL	(0°-30°)	216.3	3.1	B1/500		
BM	(30°-60°)	491.3	7.0	B1/1000		
BH	(60°-80°)	321.3	4.6	B1/500		G1/500
BVH	(80°-90°)	42.3	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°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1056.5	1157.5	1108.3	1165.3	1193.8	1175.6	1160.1	1121.3	1087.6	1074.6	1041.0
5°	1165.3	1162.7	1149.7	1144.6	1121.3	1092.8	1069.5	1198.9	1152.3	1129.0	1069.5
7.5°	1033.2	1121.3	1186.0	1219.7	1219.7	1186.0	1149.7	991.8	1072.1	1051.3	965.9
10°	1297.3	1297.3	1294.8	1297.3	1064.3	1121.3	963.3	896.0	867.5	934.8	867.5
12.5°	1103.1	1198.9	1307.7	1346.5	1240.4	1059.1	986.6	947.8	743.2	727.6	769.1
15°	1297.3	1305.1	1315.5	1157.5	984.0	1123.8	859.7	851.9	984.0	960.7	971.1
17.5°	1041.0	1051.3	1276.6	1248.1	1144.6	851.9	1072.1	958.1	908.9	877.8	875.3
20°	1312.9	1318.1	1315.5	986.6	1056.5	1160.1	1110.9	844.2	1059.1	1072.1	1085.0
22.5°	1110.9	1113.5	1126.4	1255.9	1069.5	1209.3	1002.1	1258.5	1038.4	1069.5	807.9
25°	1494.1	1494.1	1447.5	1131.6	1294.8	1103.1	1219.7	1082.4	1362.1	1325.8	1214.5
27.5°	1393.2	1382.8	1328.4	1400.9	1167.9	1395.7	1206.7	1359.5	1478.6	1426.8	1473.4
30°	1957.7	1970.6	1900.7	1455.3	1421.6	1338.8	1390.6	1610.7	2012.0	1983.6	1771.2
32.5°	2620.6	2498.9	2180.4	1885.2	1553.7	1634.0	1553.7	1900.7	2154.5	2159.6	1874.8
35°	2941.7	2931.3	2794.1	2224.4	1786.8	1786.8	1742.7	1983.6	2338.3	2304.7	1986.1
37.5°	3198.0	3182.5	3086.7	2514.4	1996.5	1986.1	1843.7	2110.4	2548.1	2462.6	2107.9
40°	3415.6	3394.8	3312.0	2716.4	2224.4	2175.2	1968.0	2255.5	2711.2	2719.0	2224.4
42.5°	3560.6	3552.8	3493.2	2900.2	2413.4	2325.4	2133.7	2441.9	2884.7	2928.7	2369.4
45°	3674.5	3671.9	3620.1	3102.2	2548.1	2462.6	2309.8	2581.7	3122.9	3148.8	2524.8
47.5°	3687.4	3697.8	3697.8	3203.2	2641.3	2584.3	2491.1	2706.0	3425.9	3371.5	2706.0
50°	3552.8	3563.2	3627.9	3371.5	2721.6	2685.3	2646.5	2856.2	3703.0	3622.7	2897.7
52.5°	3208.4	3231.7	3407.8	3288.7	2763.0	2760.4	2791.5	3050.4	3985.2	3899.8	3151.4
55°	2467.8	2483.3	2921.0	3045.3	2750.0	2778.5	2900.2	3291.3	4334.8	4259.7	3418.1
57.5°	1885.2	1929.2	2203.7	2584.3	2607.6	2763.0	2970.2	3459.6	4617.1	4542.0	3664.1
60°	1517.4	1548.5	1709.1	2043.1	2302.1	2695.7	3066.0	3669.3	4891.6	4855.3	3928.3
62.5°	1188.6	1209.3	1320.6	1540.8	1869.6	2537.7	3125.5	3897.2	5207.5	5189.4	4272.7
65°	851.9	872.7	971.1	1116.1	1444.9	2239.9	3097.0	4114.7	5632.2	5614.0	4606.7
67.5°	621.5	626.7	691.4	789.8	1025.4	1812.7	2957.2	4252.0	6046.5	6010.2	4863.1
70°	479.1	484.2	515.3	551.6	655.1	1372.4	2630.9	4148.4	6289.9	6227.7	4901.9
72.5°	388.4	388.4	401.4	419.5	448.0	896.0	2066.4	3741.8	6176.0	6054.3	4578.2
75°	326.3	326.3	334.0	328.9	313.3	559.3	1437.2	3125.5	5655.5	5502.7	3985.2
77.5°	274.5	271.9	271.9	274.5	243.4	380.7	877.8	2408.2	4570.5	4422.9	2954.6
80°	225.3	225.3	225.3	225.3	199.4	271.9	523.1	1597.7	2625.8	2291.7	1354.3
82.5°	165.7	168.3	176.1	176.1	165.7	199.4	271.9	668.1	898.6	795.0	479.1
85°	77.7	80.3	103.6	108.8	106.2	98.4	142.4	300.4	419.5	380.7	111.3
87.5°	2.6	2.6	10.4	23.3	20.7	15.5	28.5	41.4	15.5	18.1	12.9
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°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1017.7	994.4	940.0	893.4	844.2	810.5	735.4	681.0	652.6	647.4	655.1
5°	1022.9	971.1	862.3	725.1	621.5	595.6	585.2	582.6	580.0	580.0	580.0
7.5°	901.1	833.8	670.7	569.7	585.2	585.2	585.2	577.5	530.8	510.1	510.1
10°	795.0	706.9	499.8	460.9	463.5	486.8	549.0	613.7	626.7	629.2	631.8
12.5°	688.8	603.4	424.7	448.0	404.0	479.1	567.1	631.8	569.7	538.6	538.6
15°	867.5	745.8	492.0	393.6	398.8	479.1	432.4	585.2	626.7	629.2	631.8
17.5°	782.0	657.7	458.3	414.3	437.6	365.1	494.6	554.2	510.1	505.0	499.8
20°	950.3	782.0	479.1	411.7	409.1	442.8	419.5	419.5	569.7	569.7	569.7
22.5°	704.3	580.0	466.1	463.5	391.0	437.6	416.9	466.1	448.0	440.2	440.2
25°	1033.2	818.3	510.1	406.6	419.5	385.8	429.9	383.2	473.9	479.1	479.1
27.5°	1240.4	960.7	554.2	450.6	385.8	414.3	354.8	385.8	365.1	367.7	367.7
30°	1478.6	1126.4	688.8	471.3	396.2	341.8	352.2	334.0	396.2	388.4	385.8
32.5°	1543.3	1136.8	662.9	499.8	385.8	344.4	318.5	344.4	367.7	401.4	401.4
35°	1618.4	1147.1	626.7	476.5	378.1	321.1	315.9	344.4	372.9	362.5	362.5
37.5°	1688.4	1154.9	598.2	448.0	347.0	313.3	313.3	318.5	347.0	331.5	331.5
40°	1768.6	1157.5	564.5	416.9	321.1	308.2	290.0	295.2	297.8	287.4	284.8
42.5°	1859.3	1154.9	525.7	388.4	297.8	287.4	274.5	274.5	282.3	279.7	277.1
45°	1957.7	1152.3	484.2	354.8	271.9	259.0	251.2	282.3	295.2	295.2	290.0
47.5°	2076.8	1152.3	445.4	315.9	253.8	233.1	227.9	261.5	287.4	292.6	297.8
50°	2214.0	1147.1	409.1	287.4	235.6	217.5	225.3	259.0	279.7	287.4	284.8
52.5°	2392.7	1136.8	378.1	264.1	222.7	199.4	212.3	251.2	277.1	279.7	277.1
55°	2548.1	1100.5	347.0	253.8	212.3	189.0	204.6	248.6	271.9	271.9	271.9
57.5°	2680.1	1048.7	321.1	246.0	209.7	186.4	202.0	246.0	261.5	269.3	269.3
60°	2840.7	984.0	303.0	243.4	207.2	183.9	199.4	243.4	256.4	266.7	266.7
62.5°	3006.4	929.6	292.6	243.4	199.4	186.4	199.4	243.4	253.8	266.7	264.1
65°	3141.1	859.7	282.3	248.6	196.8	186.4	199.4	243.4	251.2	264.1	264.1
67.5°	3133.3	763.9	269.3	261.5	199.4	189.0	199.4	240.8	246.0	264.1	259.0
70°	2957.2	652.6	248.6	259.0	207.2	189.0	196.8	233.1	235.6	259.0	251.2
72.5°	2638.7	528.3	220.1	243.4	207.2	191.6	191.6	222.7	222.7	248.6	233.1
75°	2208.8	406.6	181.3	214.9	196.8	196.8	181.3	209.7	204.6	220.1	204.6
77.5°	1646.9	308.2	139.8	178.7	178.7	194.2	173.5	194.2	186.4	189.0	181.3
80°	686.2	186.4	106.2	139.8	152.8	189.0	165.7	176.1	158.0	158.0	152.8
82.5°	284.8	119.1	72.5	88.0	103.6	168.3	158.0	150.2	129.5	119.1	111.3
85°	103.6	64.7	49.2	59.6	67.3	116.5	113.9	95.8	75.1	82.9	67.3
87.5°	7.8	10.4	10.4	12.9	12.9	15.5	25.9	25.9	15.5	12.9	7.8
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: P560867

CATALOG NUMBER: SDL-PA1-70-727-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)