

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: P561062

Luminaire Tested: **SDL-PA1-80-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6965.8 lumens
Efficiency: N/A
Efficacy: 84.9 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 - U3 - G2

Input Watts (W): 82
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



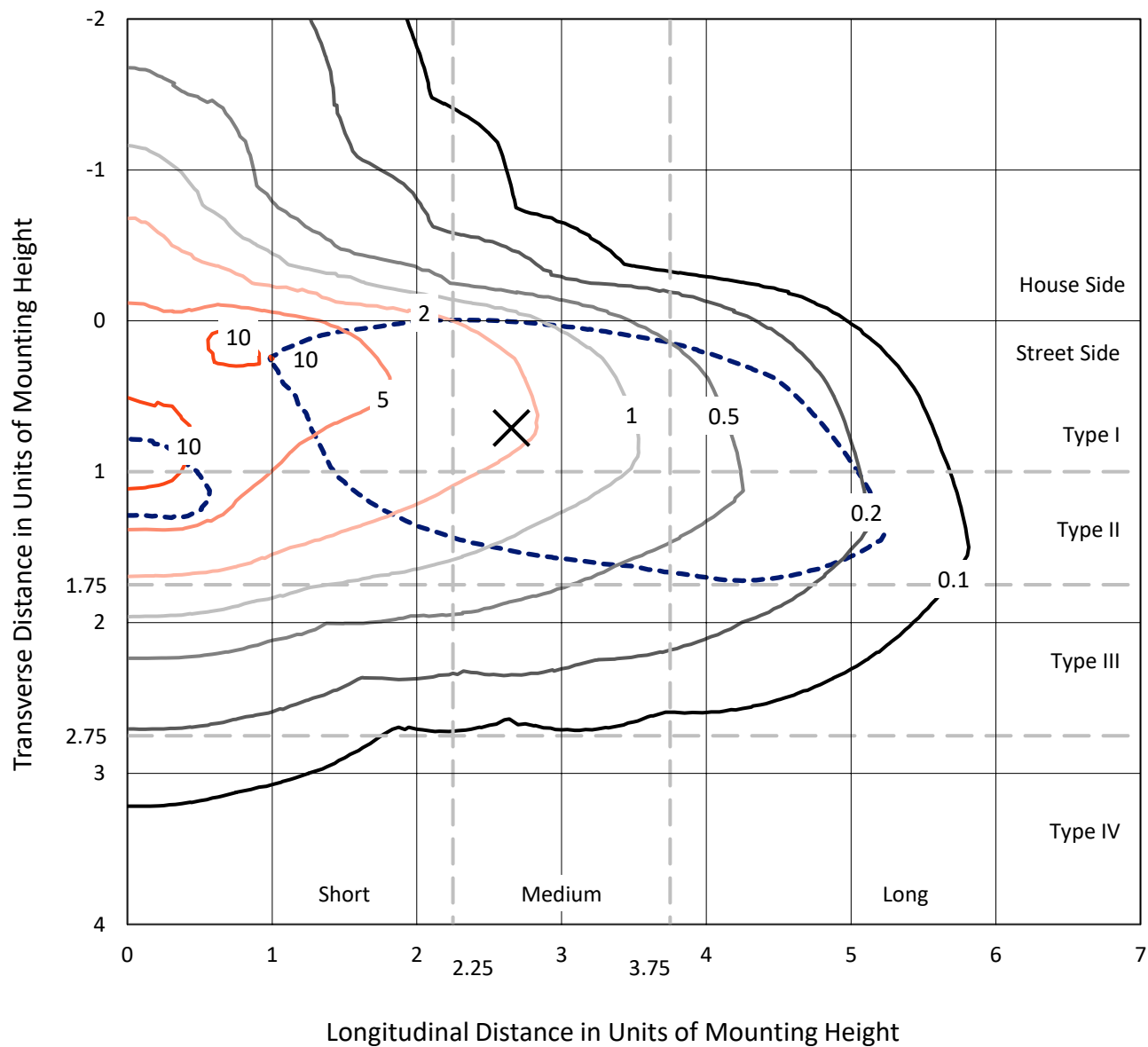
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



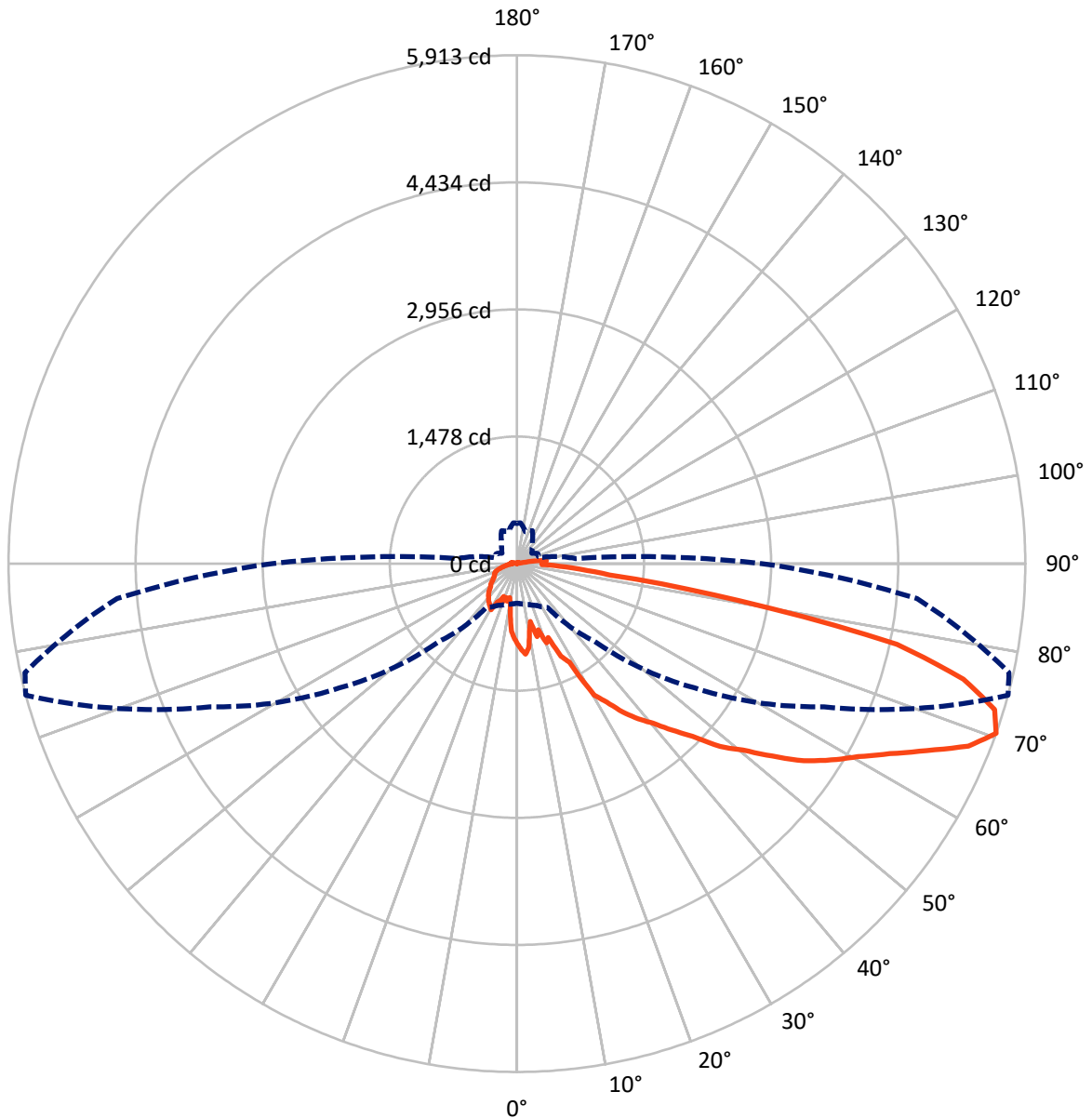
Based on 10 foot mounting height. Maximum calculated value = 14.5 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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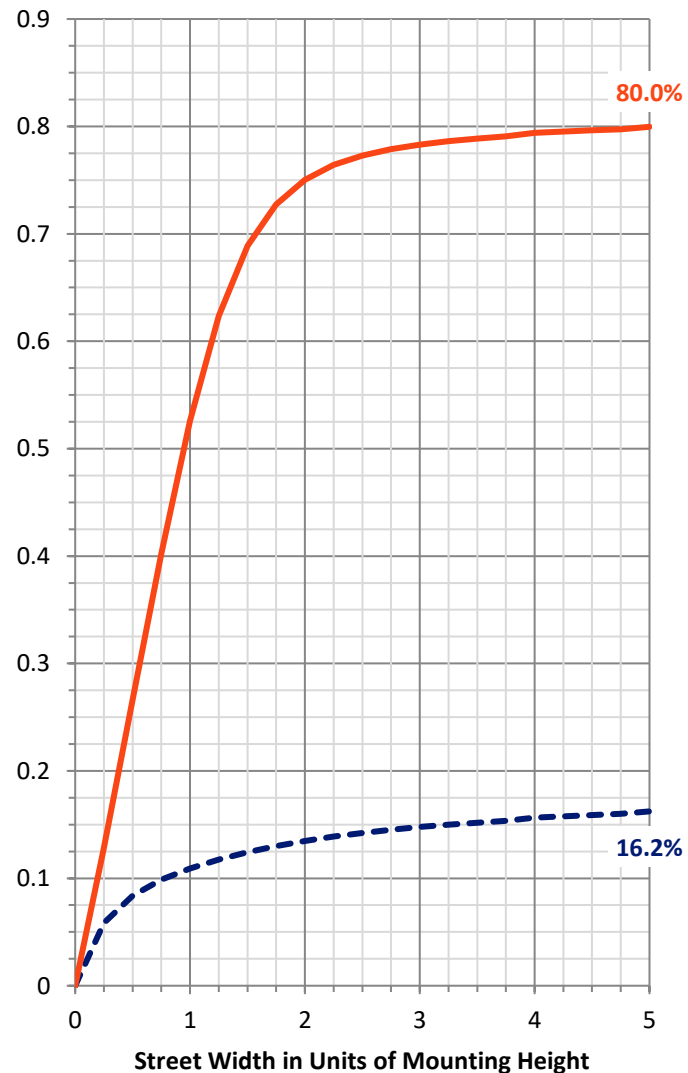
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1190.8	71.2	1262.0
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5613.7	90.1	5703.8
	% Fixture	80.6	1.3	81.9
Total	Lumens	6804.5	161.2	6965.8
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	1.1
10°-20°	203.2	2.9
20°-30°	366.8	5.3
30°-40°	749.5	10.8
40°-50°	1177.1	16.9
50°-60°	1445.4	20.7
60°-70°	1437.5	20.6
70°-80°	1063.3	15.3
80°-90°	284.1	4.1
90°-100°	105.0	1.5
100°-110°	24.6	0.4
110°-120°	11.6	0.2
120°-130°	10.4	0.1
130°-140°	5.0	0.1
140°-150°	2.5	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6804.5	97.7
0°-180°	6965.8	100.0



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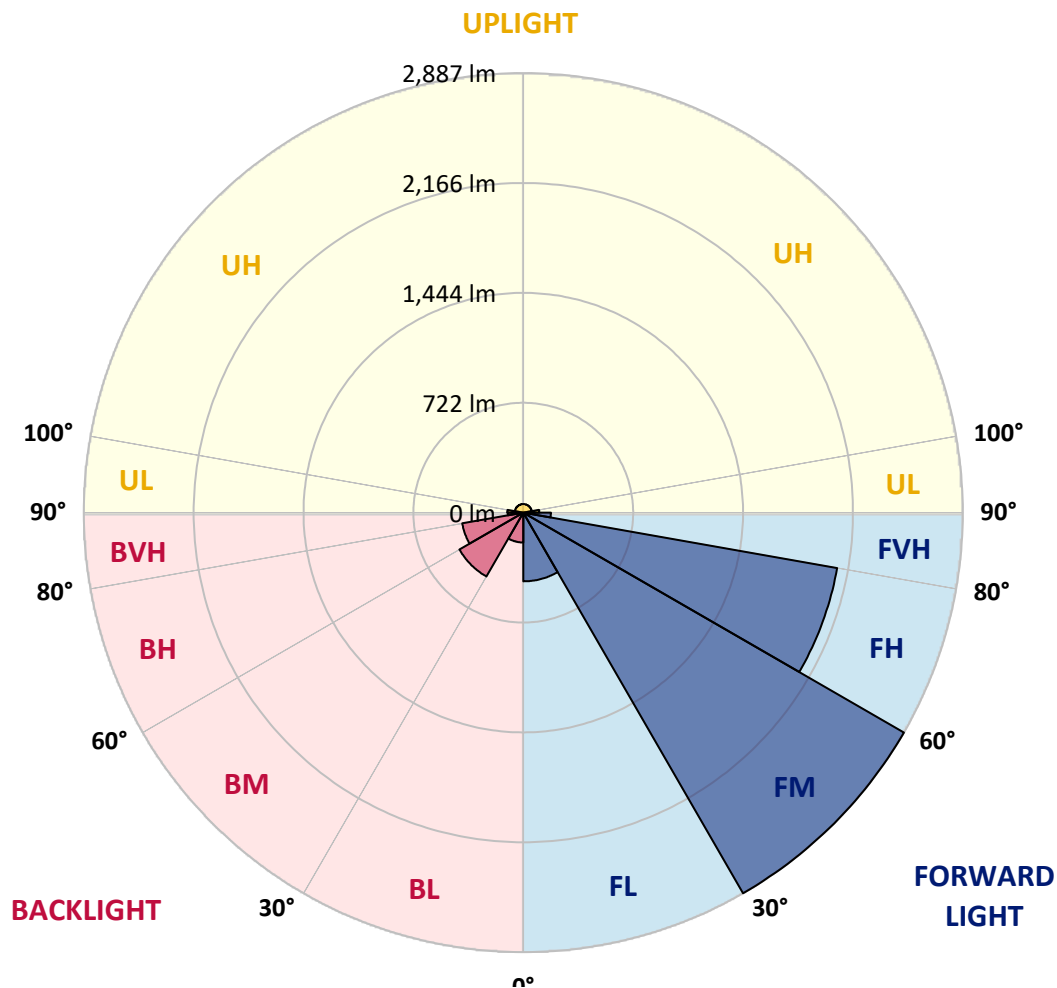
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.5	6.5			
FM	(30°-60°)	2887.5	41.5			
FH	(60°-80°)	2093.4	30.1			G2/5000
FVH	(80°-90°)	181.4	2.6			G2/225
BL	(0°-30°)	196.3	2.8	B1/500		
BM	(30°-60°)	484.5	7.0	B1/1000		
BH	(60°-80°)	407.3	5.8	B1/500		G1/500
BVH	(80°-90°)	102.7	1.5			G2/225
UL	(90°-100°)	105.0	1.5		U3/500	
UH	(100°-180°)	56.2	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7
2.5°	969.1	1023.5	1048.0	1075.2	1099.7	1086.1	1064.4	1031.7	1001.7	990.9	958.2
5°	1069.8	1064.4	1061.6	1053.5	1039.9	1015.4	985.4	1102.5	1056.2	1037.1	982.7
7.5°	941.9	1091.6	1107.9	1124.2	1118.8	1088.9	1050.7	944.6	985.4	960.9	892.9
10°	1151.5	1151.5	1146.0	1151.5	1088.9	1039.9	890.1	827.5	797.6	862.9	800.3
12.5°	980.0	1067.1	1176.0	1197.7	1102.5	966.4	903.7	873.8	688.7	680.5	729.5
15°	1140.6	1154.2	1156.9	1162.4	939.1	1012.6	835.7	775.8	879.2	854.8	862.9
17.5°	917.4	931.0	1107.9	1097.0	1009.9	808.5	977.2	876.5	808.5	778.5	767.6
20°	1154.2	1156.9	1148.7	928.2	974.5	1056.2	914.6	887.4	985.4	982.7	941.9
22.5°	982.7	985.4	1015.4	1118.8	1007.2	1067.1	920.1	1107.9	933.7	936.4	726.8
25°	1314.8	1317.5	1290.3	996.3	1132.4	1001.7	1116.1	996.3	1192.3	1154.2	1064.4
27.5°	1380.1	1279.4	1176.0	1235.8	1080.7	1244.0	1061.6	1205.9	1295.7	1287.6	1301.2
30°	1750.3	1755.8	1685.0	1352.9	1265.8	1227.7	1225.0	1431.8	1774.8	1788.4	1562.5
32.5°	2371.0	2338.3	1989.9	1668.7	1363.8	1497.2	1374.7	1657.8	1919.1	1910.9	1674.1
35°	2654.1	2621.4	2490.8	2060.7	1576.1	1616.9	1551.6	1763.9	2117.8	2055.2	1785.7
37.5°	2893.6	2888.2	2779.3	2270.3	1791.2	1851.1	1657.8	1894.6	2289.3	2224.0	1900.1
40°	3100.5	3081.5	2986.2	2458.1	2011.7	2014.4	1791.2	2052.5	2441.8	2458.1	2011.7
42.5°	3272.0	3255.7	3176.7	2645.9	2142.3	2158.7	1932.7	2213.1	2645.9	2675.9	2185.9
45°	3342.8	3350.9	3296.5	2814.7	2259.4	2289.3	2101.5	2376.4	2863.7	2888.2	2341.0
47.5°	3394.5	3397.2	3383.6	2953.5	2384.6	2398.2	2267.5	2523.4	3179.5	3130.5	2523.4
50°	3277.5	3266.6	3280.2	3059.7	2493.5	2509.8	2406.4	2675.9	3405.4	3342.8	2714.0
52.5°	2969.8	2983.5	3125.0	3005.2	2528.9	2561.5	2537.0	2809.2	3718.4	3669.4	2986.2
55°	2196.8	2256.7	2665.0	2782.0	2526.1	2583.3	2656.8	3062.4	4047.8	3974.3	3217.6
57.5°	1777.6	1777.6	2017.1	2400.9	2387.3	2569.7	2779.3	3233.9	4309.1	4257.4	3448.9
60°	1426.4	1426.4	1557.1	1905.5	2117.8	2501.6	2904.5	3487.1	4556.9	4526.9	3653.1
62.5°	1118.8	1116.1	1225.0	1421.0	1736.7	2351.9	2969.8	3704.8	4867.2	4861.7	3979.8
65°	808.5	819.4	911.9	1034.4	1363.8	2071.5	2967.1	3900.8	5240.1	5256.4	4347.2
67.5°	598.9	604.3	656.0	745.9	936.4	1717.7	2836.5	4036.9	5662.0	5634.8	4581.4
70°	460.0	468.2	490.0	536.3	623.4	1276.7	2520.7	3941.7	5912.5	5860.8	4668.5
72.5°	386.5	389.3	386.5	411.0	416.5	865.6	2019.8	3579.6	5809.0	5727.4	4428.9
75°	329.4	326.7	323.9	329.4	307.6	571.6	1448.2	3029.7	5362.6	5221.1	3911.7
77.5°	283.1	280.4	269.5	272.2	245.0	421.9	988.1	2376.4	4518.7	4186.6	2939.9
80°	234.1	234.1	225.9	225.9	206.9	321.2	631.5	1638.7	2632.3	2368.3	1529.8
82.5°	182.4	179.7	179.7	185.1	176.9	250.4	413.8	816.6	1086.1	1018.1	715.9
85°	98.0	98.0	111.6	125.2	122.5	152.4	315.8	481.8	642.4	620.6	400.2
87.5°	29.9	29.9	32.7	40.8	43.6	81.7	198.7	234.1	291.3	321.2	315.8
90°	32.7	29.9	21.8	24.5	27.2	59.9	185.1	225.9	294.0	326.7	334.8
92.5°	38.1	35.4	21.8	21.8	27.2	49.0	176.9	220.5	321.2	353.9	362.0
95°	40.8	38.1	21.8	21.8	27.2	43.6	157.9	217.8	343.0	386.5	386.5
97.5°	38.1	35.4	16.3	19.1	24.5	38.1	122.5	179.7	239.5	264.0	304.9
100°	32.7	32.7	10.9	16.3	21.8	27.2	70.8	98.0	70.8	68.1	68.1
102.5°	29.9	29.9	10.9	13.6	16.3	19.1	32.7	51.7	16.3	19.1	24.5
105°	29.9	32.7	8.2	10.9	10.9	10.9	16.3	27.2	13.6	16.3	24.5
107.5°	29.9	32.7	8.2	8.2	10.9	8.2	8.2	10.9	13.6	16.3	27.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	19.1	19.1	5.4	8.2	8.2	8.2	5.4	8.2	13.6	19.1	27.2
115°	13.6	10.9	5.4	8.2	5.4	8.2	5.4	8.2	13.6	19.1	24.5
117.5°	10.9	8.2	5.4	5.4	5.4	5.4	2.7	8.2	16.3	21.8	29.9
120°	10.9	10.9	5.4	5.4	5.4	5.4	2.7	8.2	24.5	27.2	38.1
122.5°	10.9	10.9	5.4	5.4	5.4	5.4	2.7	5.4	21.8	29.9	40.8
125°	10.9	10.9	5.4	5.4	5.4	5.4	2.7	5.4	19.1	27.2	35.4
127.5°	10.9	10.9	5.4	2.7	5.4	5.4	5.4	5.4	16.3	21.8	29.9
130°	10.9	10.9	5.4	2.7	5.4	5.4	5.4	5.4	13.6	16.3	24.5
132.5°	8.2	8.2	5.4	2.7	5.4	2.7	2.7	5.4	10.9	13.6	19.1
135°	5.4	5.4	5.4	2.7	5.4	2.7	2.7	2.7	5.4	8.2	13.6
137.5°	2.7	5.4	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4
140°	2.7	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	8.2	5.4	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	10.9	8.2	5.4	2.7	2.7	2.7	2.7	2.7
150°	13.6	13.6	13.6	10.9	8.2	5.4	8.2	2.7	2.7	2.7	2.7
152.5°	13.6	13.6	16.3	8.2	5.4	2.7	2.7	10.9	8.2	5.4	5.4
155°	10.9	8.2	8.2	2.7	2.7	2.7	2.7	2.7	8.2	10.9	10.9
157.5°	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4	2.7	2.7
160°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7	933.7
2.5°	939.1	917.4	865.6	827.5	781.3	740.4	705.0	626.1	612.5	604.3	601.6
5°	939.1	892.9	792.1	669.6	574.4	552.6	541.7	541.7	536.3	539.0	541.7
7.5°	833.0	770.4	617.9	522.6	539.0	539.0	541.7	528.1	484.5	490.0	481.8
10°	729.5	650.6	465.5	424.7	465.5	468.2	530.8	555.3	563.5	566.2	566.2
12.5°	672.4	560.8	402.9	416.5	375.7	430.1	506.3	566.2	514.5	487.3	487.3
15°	773.1	664.2	451.9	364.8	370.2	430.1	383.8	536.3	555.3	560.8	560.8
17.5°	694.1	585.3	413.8	375.7	413.8	353.9	432.8	492.7	470.9	446.4	443.7
20°	833.0	691.4	462.8	367.5	364.8	419.2	383.8	402.9	503.6	506.3	503.6
22.5°	647.9	552.6	411.0	416.5	364.8	400.2	378.4	416.5	397.4	394.7	397.4
25°	898.3	715.9	473.7	359.3	381.1	353.9	381.1	351.2	421.9	427.4	430.1
27.5°	1099.7	854.8	503.6	389.3	332.1	362.0	340.3	351.2	326.7	340.3	345.7
30°	1309.3	996.3	615.2	430.1	351.2	310.3	315.8	313.0	353.9	351.2	345.7
32.5°	1377.4	1015.4	588.0	449.2	348.4	313.0	288.5	307.6	337.5	362.0	364.8
35°	1445.5	1029.0	566.2	430.1	340.3	294.0	283.1	315.8	340.3	343.0	351.2
37.5°	1524.4	1039.9	544.4	402.9	315.8	288.5	280.4	294.0	348.4	343.0	334.8
40°	1597.9	1045.3	517.2	378.4	288.5	283.1	261.3	294.0	307.6	318.5	323.9
42.5°	1728.6	1078.0	495.4	356.6	269.5	269.5	250.4	274.9	315.8	321.2	318.5
45°	1823.8	1067.1	465.5	337.5	250.4	239.5	245.0	299.4	318.5	351.2	345.7
47.5°	1959.9	1094.3	430.1	307.6	234.1	220.5	231.4	291.3	326.7	351.2	356.6
50°	2093.3	1088.9	400.2	283.1	223.2	209.6	255.9	283.1	321.2	362.0	362.0
52.5°	2267.5	1097.0	386.5	261.3	209.6	209.6	264.0	285.8	329.4	356.6	356.6
55°	2422.7	1067.1	353.9	253.2	206.9	201.4	266.8	296.7	332.1	356.6	359.3
57.5°	2537.0	1007.2	329.4	245.0	204.2	206.9	266.8	321.2	310.3	356.6	364.8
60°	2662.2	941.9	307.6	245.0	204.2	215.0	274.9	340.3	340.3	372.9	372.9
62.5°	2833.7	901.0	296.7	247.7	198.7	223.2	299.4	370.2	343.0	394.7	397.4
65°	2978.0	846.6	288.5	258.6	201.4	234.1	313.0	394.7	359.3	419.2	416.5
67.5°	2980.7	764.9	277.7	269.5	204.2	242.3	313.0	411.0	378.4	441.0	432.8
70°	2850.1	683.3	261.3	269.5	212.3	250.4	313.0	421.9	381.1	476.4	468.2
72.5°	2569.7	558.0	236.8	258.6	225.9	261.3	329.4	419.2	381.1	514.5	506.3
75°	2185.9	446.4	204.2	236.8	225.9	274.9	340.3	416.5	367.5	490.0	473.7
77.5°	1663.2	364.8	171.5	206.9	215.0	280.4	340.3	411.0	356.6	457.3	446.4
80°	857.5	255.9	138.8	176.9	201.4	274.9	337.5	389.3	318.5	405.6	400.2
82.5°	470.9	187.8	111.6	130.7	168.8	258.6	326.7	351.2	280.4	332.1	318.5
85°	304.9	136.1	89.8	106.2	141.6	215.0	274.9	277.7	198.7	239.5	225.9
87.5°	228.7	78.9	57.2	65.3	98.0	119.8	174.2	179.7	125.2	147.0	138.8
90°	239.5	78.9	59.9	68.1	87.1	89.8	127.9	136.1	98.0	111.6	111.6
92.5°	255.9	78.9	62.6	70.8	78.9	70.8	100.7	111.6	81.7	89.8	87.1
95°	261.3	76.2	68.1	73.5	70.8	57.2	81.7	89.8	68.1	68.1	68.1
97.5°	190.5	54.4	68.1	73.5	65.3	46.3	62.6	70.8	43.6	35.4	35.4
100°	51.7	27.2	65.3	70.8	57.2	38.1	54.4	54.4	27.2	19.1	19.1
102.5°	21.8	21.8	57.2	62.6	43.6	24.5	38.1	38.1	19.1	8.2	8.2
105°	21.8	16.3	40.8	46.3	29.9	13.6	19.1	21.8	13.6	8.2	8.2
107.5°	21.8	16.3	19.1	24.5	13.6	10.9	10.9	10.9	8.2	8.2	8.2



REPORT NUMBER: P561062

CATALOG NUMBER: SDL-PA1-80-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.2	19.1	10.9	13.6	10.9	8.2	8.2	8.2	10.9	24.5	24.5
115°	24.5	16.3	10.9	10.9	8.2	8.2	5.4	5.4	10.9	29.9	29.9
117.5°	27.2	19.1	10.9	10.9	8.2	5.4	5.4	5.4	13.6	35.4	35.4
120°	32.7	21.8	10.9	8.2	5.4	5.4	5.4	5.4	16.3	38.1	38.1
122.5°	35.4	24.5	10.9	8.2	5.4	2.7	5.4	8.2	19.1	38.1	38.1
125°	29.9	21.8	10.9	8.2	5.4	2.7	5.4	8.2	19.1	35.4	38.1
127.5°	27.2	19.1	10.9	5.4	5.4	2.7	2.7	8.2	16.3	27.2	32.7
130°	21.8	16.3	8.2	5.4	5.4	2.7	2.7	5.4	16.3	24.5	29.9
132.5°	19.1	13.6	8.2	5.4	5.4	2.7	2.7	5.4	16.3	21.8	21.8
135°	13.6	10.9	5.4	5.4	5.4	2.7	5.4	2.7	10.9	19.1	19.1
137.5°	8.2	5.4	5.4	5.4	5.4	2.7	2.7	2.7	8.2	10.9	10.9
140°	2.7	2.7	5.4	5.4	5.4	2.7	2.7	2.7	5.4	5.4	5.4
142.5°	2.7	2.7	5.4	5.4	5.4	2.7	2.7	2.7	5.4	5.4	5.4
145°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4
147.5°	2.7	2.7	2.7	5.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4
150°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	5.4	5.4	5.4	5.4
152.5°	2.7	2.7	5.4	5.4	2.7	2.7	2.7	5.4	5.4	5.4	5.4
155°	8.2	8.2	5.4	5.4	2.7	2.7	0.0	2.7	5.4	5.4	5.4
157.5°	2.7	2.7	5.4	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
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°	27.2	27.2	5.4	8.2	8.2	8.2	5.4	8.2	13.6	19.1	27.2
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110°	24.5	16.3	10.9	13.6	10.9	8.2	8.2	8.2	8.2	10.9	13.6
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(END OF REPORT)