

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: P560930

Luminaire Tested: **SDL-PA1-70-750-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560930
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-PA1-70-750-U-T2R-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA 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: 6967.4 lumens
Efficiency: N/A
Efficacy: 96.5 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 - U3 - 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



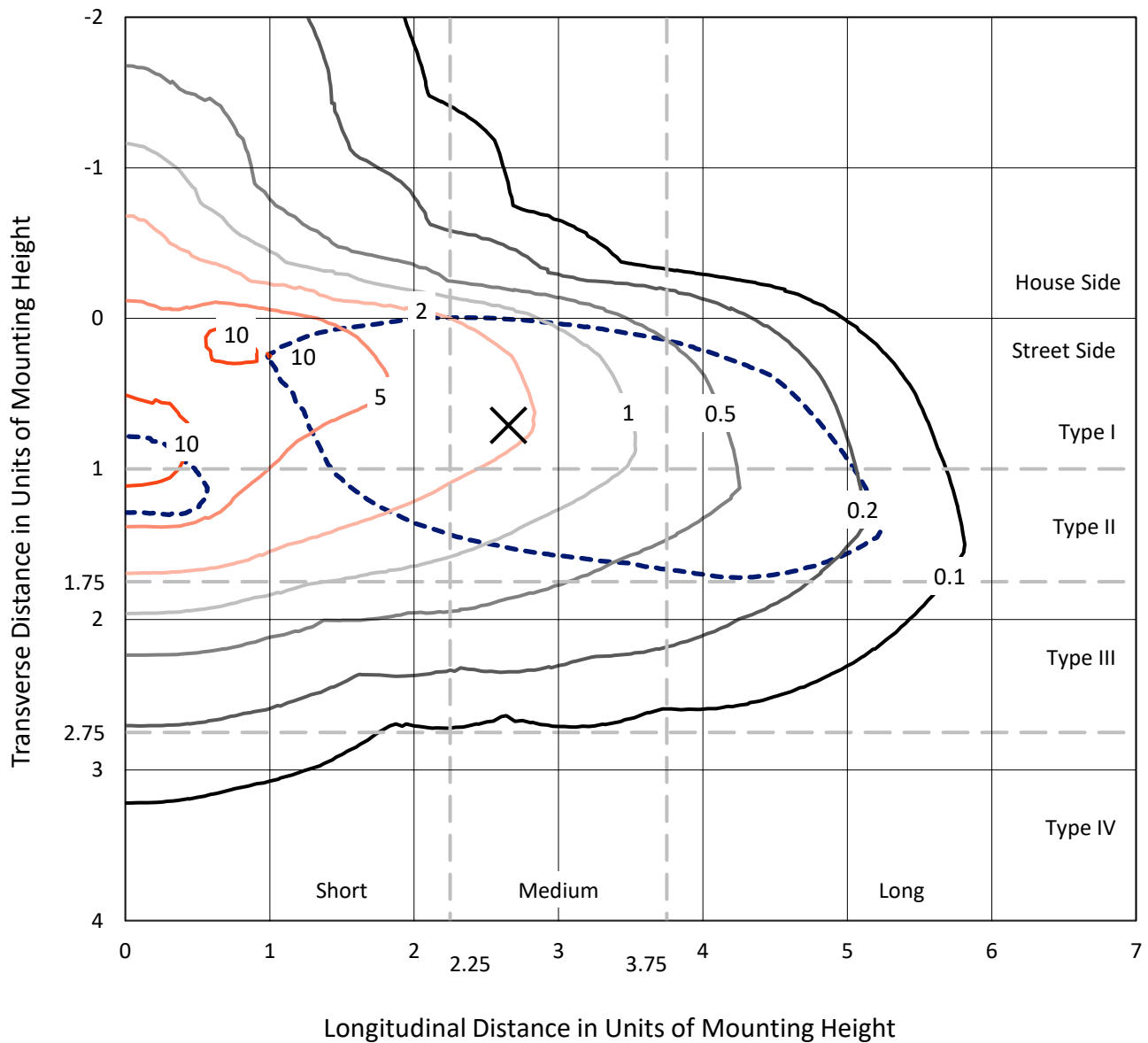
REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

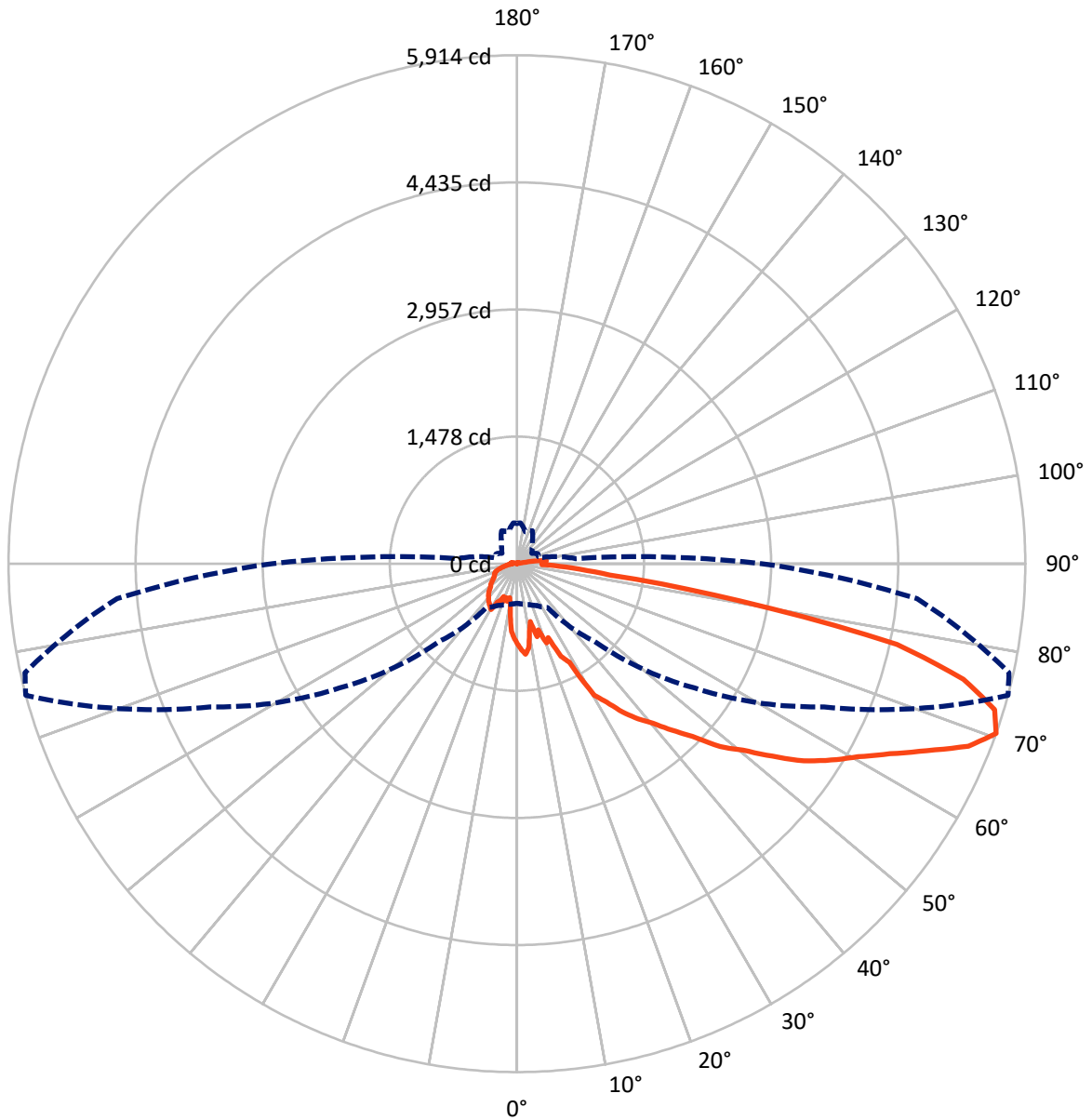


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

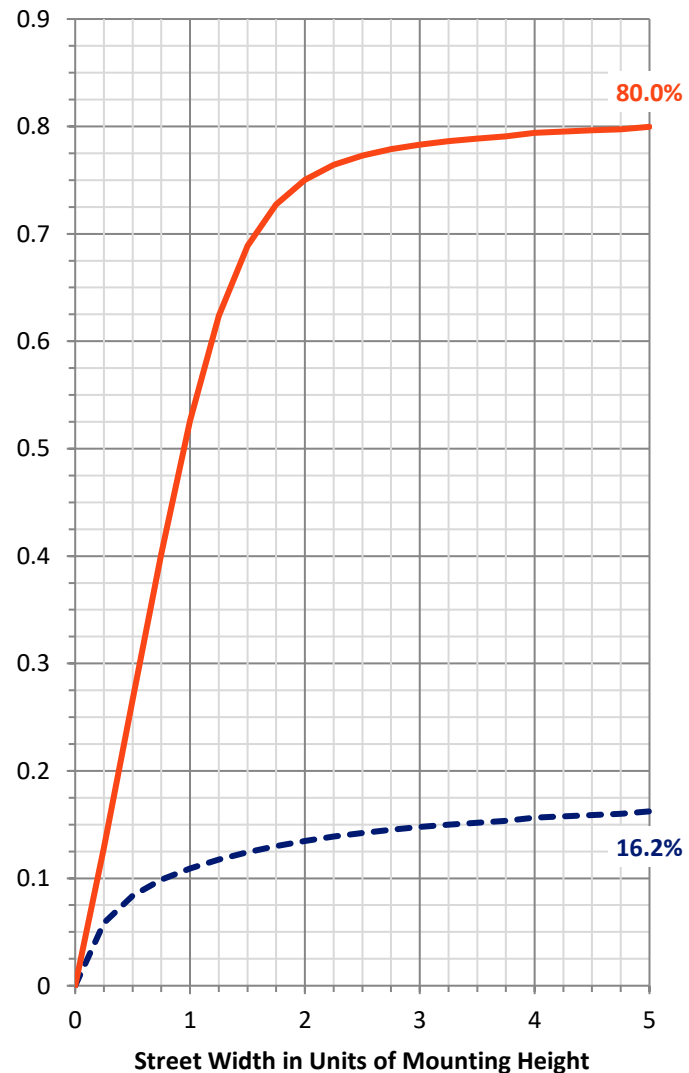
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.1	71.2	1262.3
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5615.0	90.1	5705.1
	% Fixture	80.6	1.3	81.9
Total	Lumens	6806.1	161.3	6967.4
	% 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°	366.9	5.3
30°-40°	749.7	10.8
40°-50°	1177.3	16.9
50°-60°	1445.7	20.7
60°-70°	1437.8	20.6
70°-80°	1063.5	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°	6806.1	97.7
0°-180°	6967.4	100.0



REPORT NUMBER: P560930

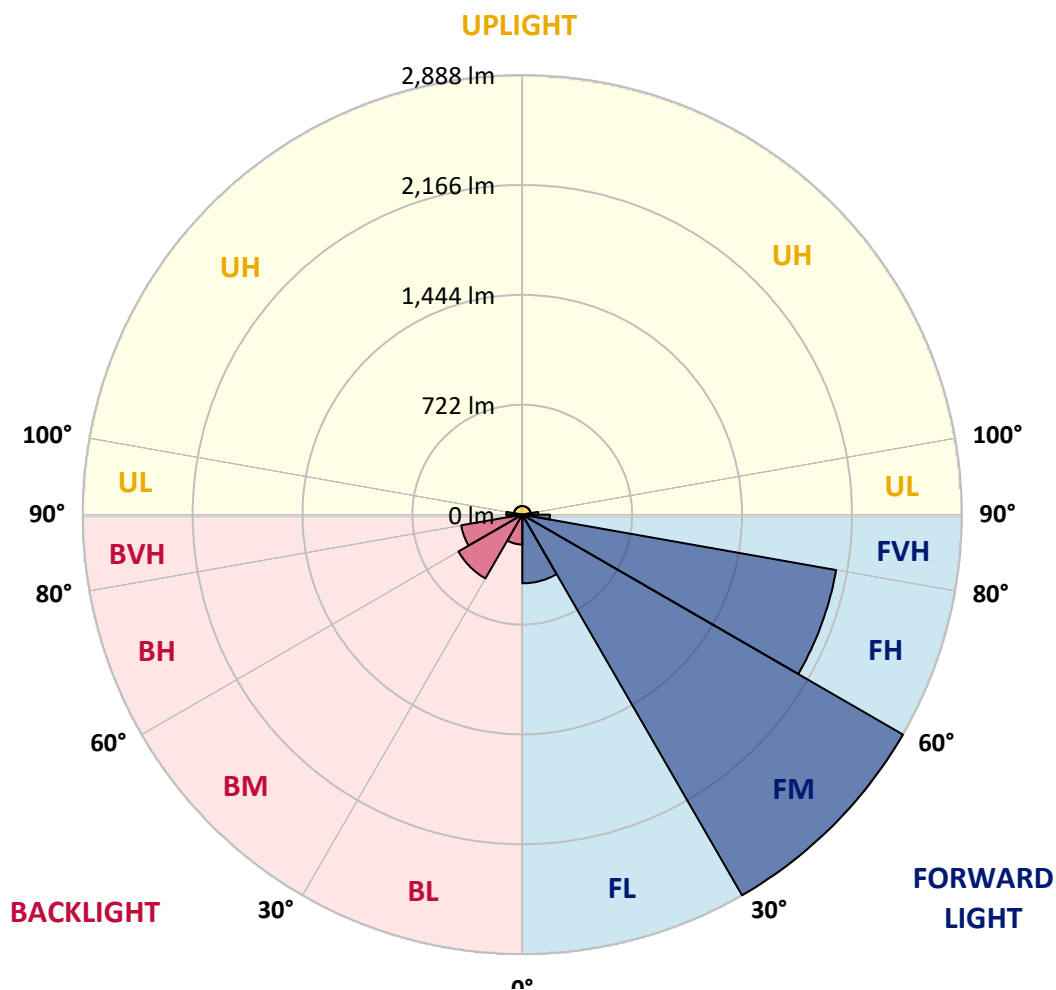
CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.6	6.5			
FM	(30°-60°)	2888.1	41.5			
FH	(60°-80°)	2093.9	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°)	484.6	7.0	B1/1000		
BH	(60°-80°)	407.4	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



REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	969.3	1023.8	1048.3	1075.5	1100.0	1086.4	1064.6	1031.9	1002.0	991.1	958.4
5°	1070.0	1064.6	1061.9	1053.7	1040.1	1015.6	985.6	1102.7	1056.4	1037.4	982.9
7.5°	942.1	1091.8	1108.2	1124.5	1119.1	1089.1	1051.0	944.8	985.6	961.1	893.1
10°	1151.7	1151.7	1146.3	1151.7	1089.1	1040.1	890.3	827.7	797.8	863.1	800.5
12.5°	980.2	1067.3	1176.2	1198.0	1102.7	966.6	904.0	874.0	688.9	680.7	729.7
15°	1140.8	1154.5	1157.2	1162.6	939.4	1012.9	835.9	776.0	879.5	854.9	863.1
17.5°	917.6	931.2	1108.2	1097.3	1010.1	808.7	977.5	876.7	808.7	778.7	767.8
20°	1154.5	1157.2	1149.0	928.5	974.7	1056.4	914.8	887.6	985.6	982.9	942.1
22.5°	982.9	985.6	1015.6	1119.1	1007.4	1067.3	920.3	1108.2	933.9	936.6	727.0
25°	1315.1	1317.8	1290.6	996.5	1132.7	1002.0	1116.3	996.5	1192.6	1154.5	1064.6
27.5°	1380.4	1279.7	1176.2	1236.1	1080.9	1244.3	1061.9	1206.2	1296.0	1287.9	1301.5
30°	1750.7	1756.2	1685.4	1353.2	1266.1	1228.0	1225.2	1432.2	1775.2	1788.9	1562.9
32.5°	2371.5	2338.9	1990.3	1669.1	1364.1	1497.5	1375.0	1658.2	1919.5	1911.4	1674.5
35°	2654.7	2622.0	2491.3	2061.1	1576.5	1617.3	1552.0	1764.3	2118.3	2055.7	1786.1
37.5°	2894.3	2888.8	2779.9	2270.8	1791.6	1851.5	1658.2	1895.0	2289.8	2224.5	1900.5
40°	3101.2	3082.2	2986.9	2458.7	2012.1	2014.8	1791.6	2053.0	2442.3	2458.7	2012.1
42.5°	3272.8	3256.4	3177.5	2646.5	2142.8	2159.1	1933.2	2213.6	2646.5	2676.5	2186.4
45°	3343.6	3351.7	3297.3	2815.3	2259.9	2289.8	2102.0	2377.0	2864.3	2888.8	2341.6
47.5°	3395.3	3398.0	3384.4	2954.2	2385.1	2398.8	2268.1	2524.0	3180.2	3131.2	2524.0
50°	3278.2	3267.3	3280.9	3060.4	2494.0	2510.4	2406.9	2676.5	3406.2	3343.6	2714.6
52.5°	2970.5	2984.1	3125.7	3005.9	2529.4	2562.1	2537.6	2809.9	3719.3	3670.3	2986.9
55°	2197.3	2257.2	2665.6	2782.7	2526.7	2583.9	2657.4	3063.1	4048.7	3975.2	3218.3
57.5°	1778.0	1778.0	2017.6	2401.5	2387.9	2570.3	2779.9	3234.6	4310.1	4258.4	3449.7
60°	1426.7	1426.7	1557.4	1905.9	2118.3	2502.2	2905.2	3487.9	4557.9	4528.0	3653.9
62.5°	1119.1	1116.3	1225.2	1421.3	1737.1	2352.5	2970.5	3705.7	4868.3	4862.9	3980.7
65°	808.7	819.6	912.1	1034.6	1364.1	2072.0	2967.8	3901.7	5241.3	5257.7	4348.2
67.5°	599.0	604.5	656.2	746.0	936.6	1718.1	2837.1	4037.9	5663.3	5636.1	4582.4
70°	460.1	468.3	490.1	536.4	623.5	1277.0	2521.3	3942.6	5913.8	5862.1	4669.5
72.5°	386.6	389.4	386.6	411.1	416.6	865.8	2020.3	3580.4	5810.4	5728.7	4429.9
75°	329.5	326.7	324.0	329.5	307.7	571.8	1448.5	3030.4	5363.8	5222.3	3912.6
77.5°	283.2	280.4	269.6	272.3	245.0	422.0	988.4	2377.0	4519.8	4187.6	2940.6
80°	234.2	234.2	226.0	226.0	206.9	321.3	631.7	1639.1	2632.9	2368.8	1530.2
82.5°	182.4	179.7	179.7	185.1	177.0	250.5	413.9	816.8	1086.4	1018.3	716.1
85°	98.0	98.0	111.6	125.2	122.5	152.5	315.8	481.9	642.6	620.8	400.2
87.5°	30.0	30.0	32.7	40.8	43.6	81.7	198.8	234.2	291.3	321.3	315.8
90°	32.7	30.0	21.8	24.5	27.2	59.9	185.1	226.0	294.1	326.7	334.9
92.5°	38.1	35.4	21.8	21.8	27.2	49.0	177.0	220.5	321.3	354.0	362.1
95°	40.8	38.1	21.8	21.8	27.2	43.6	157.9	217.8	343.1	386.6	386.6
97.5°	38.1	35.4	16.3	19.1	24.5	38.1	122.5	179.7	239.6	264.1	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°	30.0	30.0	10.9	13.6	16.3	19.1	32.7	51.7	16.3	19.1	24.5
105°	30.0	32.7	8.2	10.9	10.9	10.9	16.3	27.2	13.6	16.3	24.5
107.5°	30.0	32.7	8.2	8.2	10.9	8.2	8.2	10.9	13.6	16.3	27.2



REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

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	30.0
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	30.0	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	30.0
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



REPORT NUMBER: P560930

CATALOG NUMBER: SDL-PA1-70-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	939.4	917.6	865.8	827.7	781.4	740.6	705.2	626.2	612.6	604.5	601.7
5°	939.4	893.1	792.3	669.8	574.5	552.7	541.8	541.8	536.4	539.1	541.8
7.5°	833.2	770.5	618.1	522.8	539.1	539.1	541.8	528.2	484.7	490.1	481.9
10°	729.7	650.7	465.6	424.8	465.6	468.3	530.9	555.4	563.6	566.3	566.3
12.5°	672.5	560.9	403.0	416.6	375.7	430.2	506.4	566.3	514.6	487.4	487.4
15°	773.3	664.4	452.0	364.9	370.3	430.2	383.9	536.4	555.4	560.9	560.9
17.5°	694.3	585.4	413.9	375.7	413.9	354.0	432.9	492.8	471.0	446.5	443.8
20°	833.2	691.6	462.9	367.6	364.9	419.3	383.9	403.0	503.7	506.4	503.7
22.5°	648.0	552.7	411.1	416.6	364.9	400.2	378.5	416.6	397.5	394.8	397.5
25°	898.5	716.1	473.8	359.4	381.2	354.0	381.2	351.2	422.0	427.5	430.2
27.5°	1100.0	854.9	503.7	389.4	332.2	362.1	340.3	351.2	326.7	340.3	345.8
30°	1309.6	996.5	615.3	430.2	351.2	310.4	315.8	313.1	354.0	351.2	345.8
32.5°	1377.7	1015.6	588.1	449.3	348.5	313.1	288.6	307.7	337.6	362.1	364.9
35°	1445.8	1029.2	566.3	430.2	340.3	294.1	283.2	315.8	340.3	343.1	351.2
37.5°	1524.7	1040.1	544.6	403.0	315.8	288.6	280.4	294.1	348.5	343.1	334.9
40°	1598.3	1045.5	517.3	378.5	288.6	283.2	261.4	294.1	307.7	318.6	324.0
42.5°	1729.0	1078.2	495.5	356.7	269.6	269.6	250.5	275.0	315.8	321.3	318.6
45°	1824.3	1067.3	465.6	337.6	250.5	239.6	245.0	299.5	318.6	351.2	345.8
47.5°	1960.4	1094.6	430.2	307.7	234.2	220.5	231.4	291.3	326.7	351.2	356.7
50°	2093.8	1089.1	400.2	283.2	223.3	209.7	255.9	283.2	321.3	362.1	362.1
52.5°	2268.1	1097.3	386.6	261.4	209.7	209.7	264.1	285.9	329.5	356.7	356.7
55°	2423.3	1067.3	354.0	253.2	206.9	201.5	266.8	296.8	332.2	356.7	359.4
57.5°	2537.6	1007.4	329.5	245.0	204.2	206.9	266.8	321.3	310.4	356.7	364.9
60°	2662.9	942.1	307.7	245.0	204.2	215.1	275.0	340.3	340.3	373.0	373.0
62.5°	2834.4	901.2	296.8	247.8	198.8	223.3	299.5	370.3	343.1	394.8	397.5
65°	2978.7	846.8	288.6	258.7	201.5	234.2	313.1	394.8	359.4	419.3	416.6
67.5°	2981.4	765.1	277.7	269.6	204.2	242.3	313.1	411.1	378.5	441.1	432.9
70°	2850.7	683.4	261.4	269.6	212.4	250.5	313.1	422.0	381.2	476.5	468.3
72.5°	2570.3	558.2	236.9	258.7	226.0	261.4	329.5	419.3	381.2	514.6	506.4
75°	2186.4	446.5	204.2	236.9	226.0	275.0	340.3	416.6	367.6	490.1	473.8
77.5°	1663.6	364.9	171.5	206.9	215.1	280.4	340.3	411.1	356.7	457.4	446.5
80°	857.7	255.9	138.9	177.0	201.5	275.0	337.6	389.4	318.6	405.7	400.2
82.5°	471.0	187.9	111.6	130.7	168.8	258.7	326.7	351.2	280.4	332.2	318.6
85°	304.9	136.1	89.9	106.2	141.6	215.1	275.0	277.7	198.8	239.6	226.0
87.5°	228.7	79.0	57.2	65.3	98.0	119.8	174.3	179.7	125.2	147.0	138.9
90°	239.6	79.0	59.9	68.1	87.1	89.9	128.0	136.1	98.0	111.6	111.6
92.5°	255.9	79.0	62.6	70.8	79.0	70.8	100.7	111.6	81.7	89.9	87.1
95°	261.4	76.2	68.1	73.5	70.8	57.2	81.7	89.9	68.1	68.1	68.1
97.5°	190.6	54.5	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	54.5	54.5	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	30.0	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: P560930

CATALOG NUMBER: SDL-PA1-70-750-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	30.0	30.0
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°	30.0	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	30.0
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



Report Generated By 670245982





--- HS --- SS



u



110°	27.2	27.2	5.4	8.2	8.2	8.2	5.4	8.2	13.6	19.1	27.2
------	------	------	-----	-----	-----	-----	-----	-----	------	------	------



110°	24.5	16.3	10.9	13.6	10.9	8.2	8.2	8.2	8.2	10.9	13.6
------	------	------	------	------	------	-----	-----	-----	-----	------	------

(END OF REPORT)