

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: P560931

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6461.7 lumens
Efficiency: N/A
Efficacy: 89.5 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

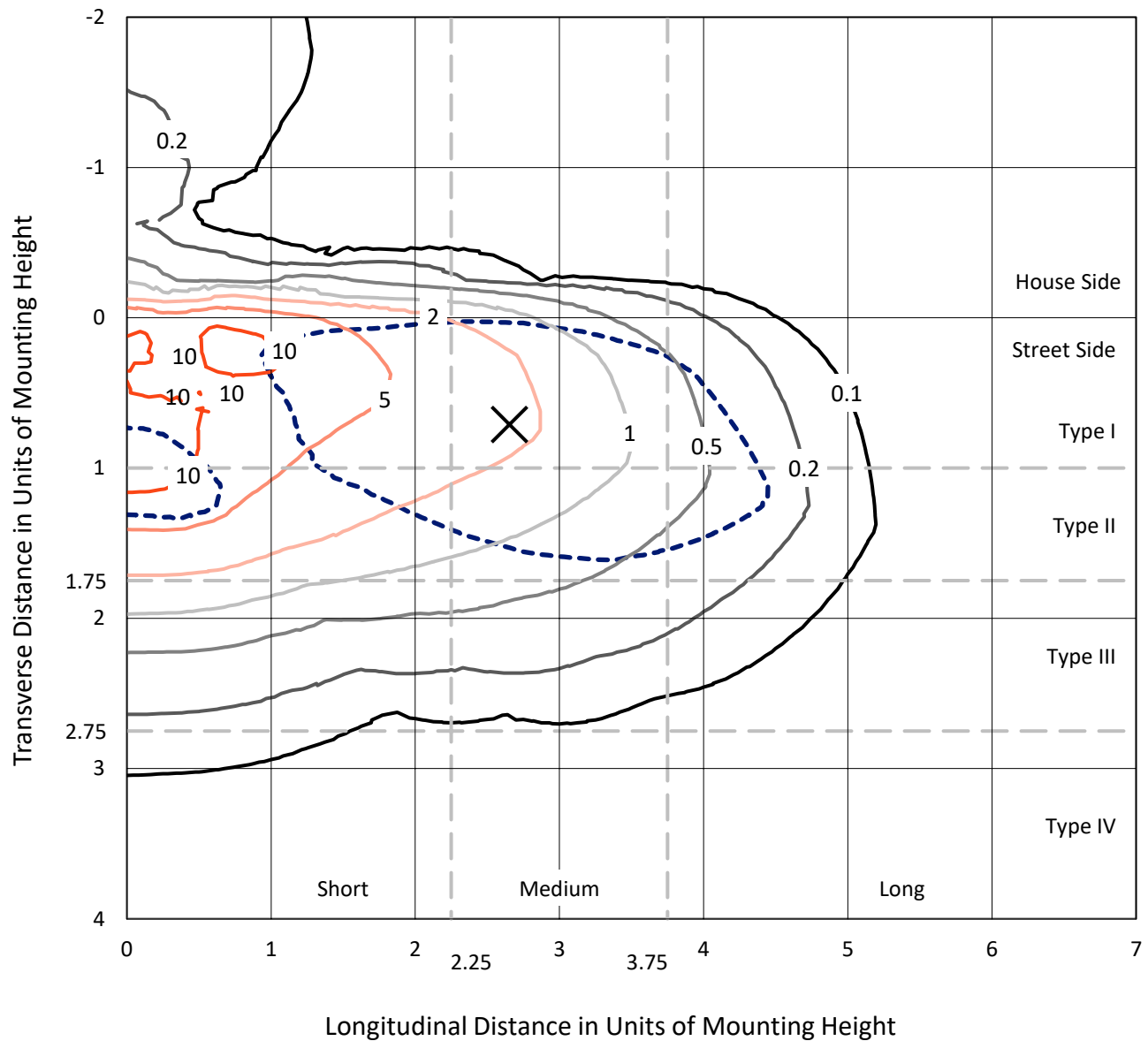


REPORT NUMBER: P560931

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

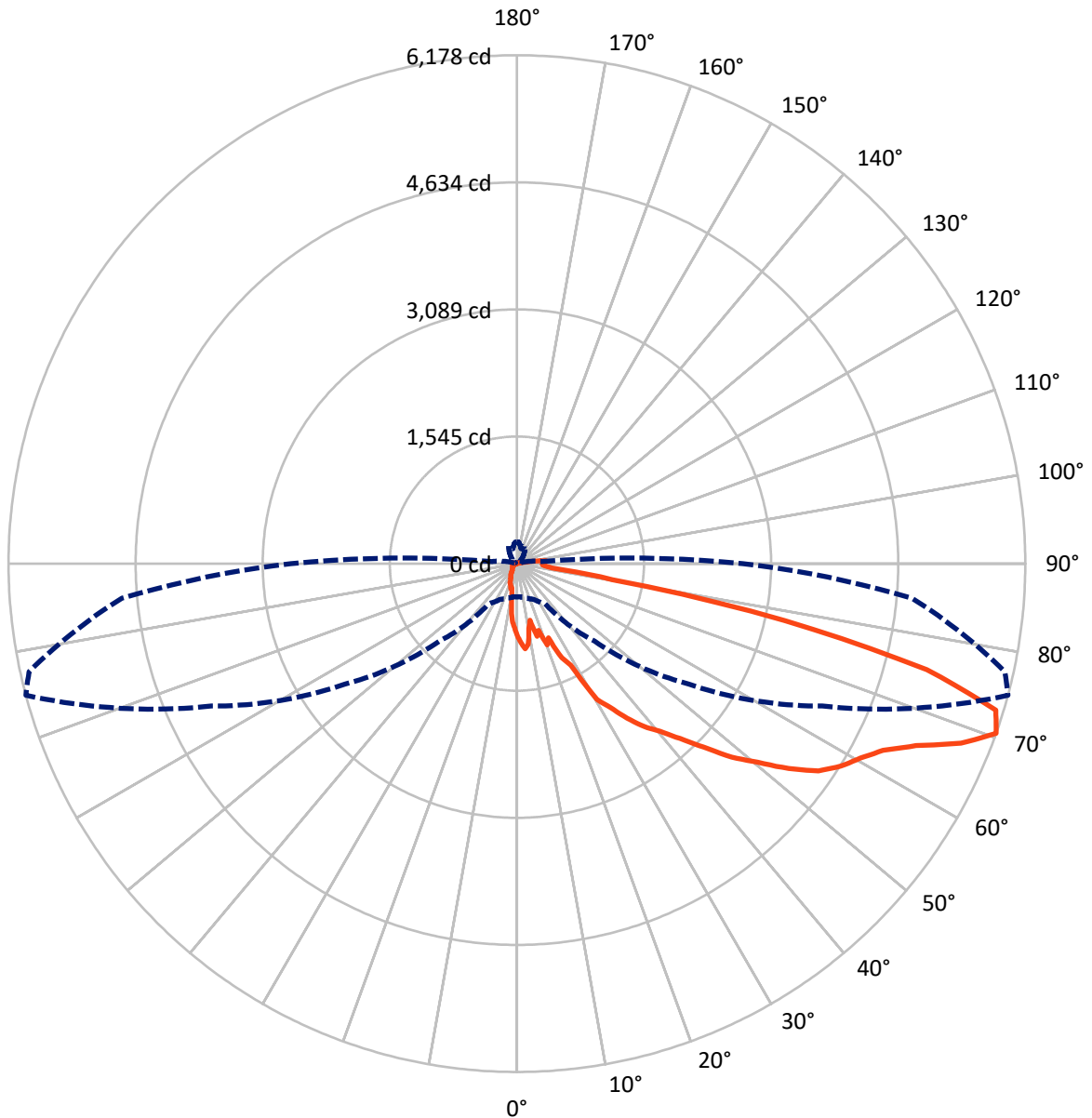


Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P560931

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560931

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

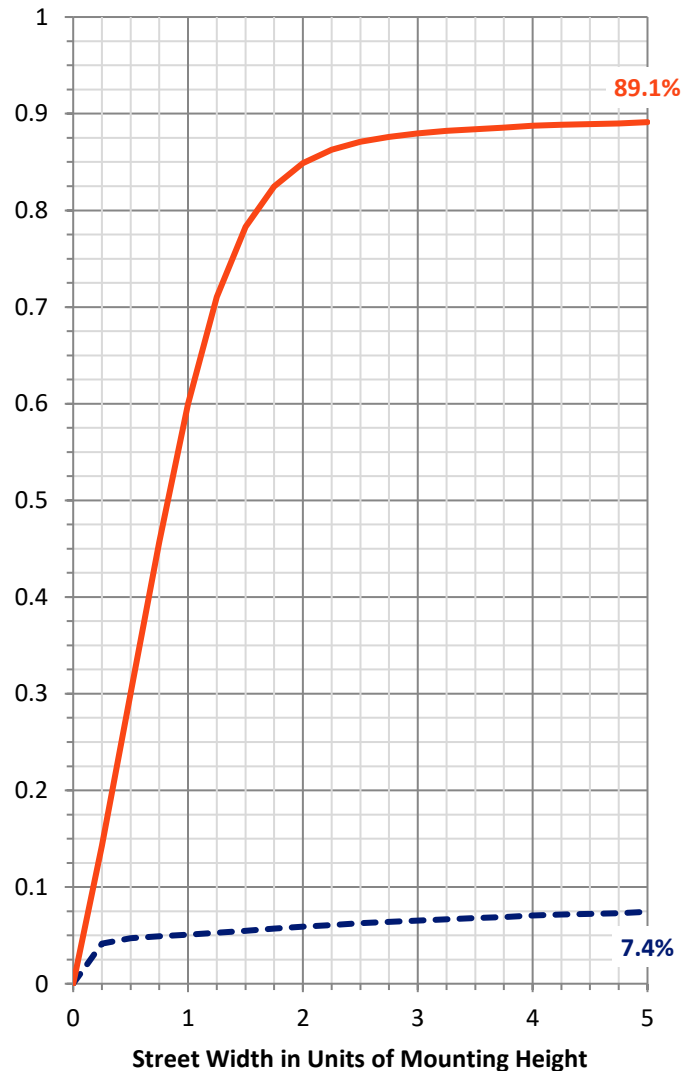
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.5	65.4	592.0
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5787.4	82.4	5869.7
	% Fixture	89.6	1.3	90.8
Total	Lumens	6313.9	147.8	6461.7
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.1
10°-20°	170.4	2.6
20°-30°	319.8	4.9
30°-40°	717.6	11.1
40°-50°	1181.0	18.3
50°-60°	1447.7	22.4
60°-70°	1355.9	21.0
70°-80°	883.0	13.7
80°-90°	168.7	2.6
90°-100°	96.8	1.5
100°-110°	21.7	0.3
110°-120°	11.1	0.2
120°-130°	9.3	0.1
130°-140°	4.6	0.1
140°-150°	2.3	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6313.9	97.7
0°-180°	6461.7	100.0



REPORT NUMBER: P560931

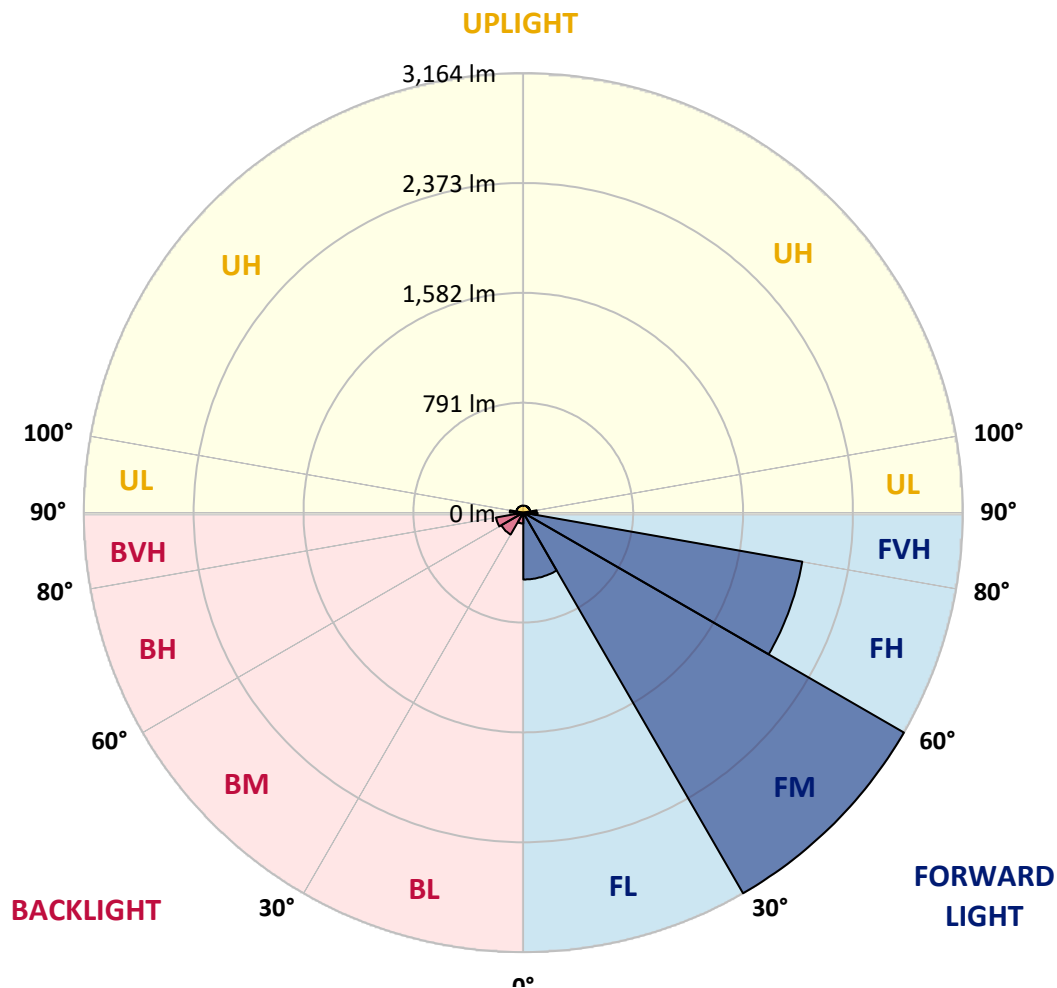
CATALOG NUMBER: SDL-PA1-70-750-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.4	7.4			
FM	(30°-60°)	3164.4	49.0			
FH	(60°-80°)	2039.5	31.6			G2/5000
FVH	(80°-90°)	102.1	1.6			G2/225
BL	(0°-30°)	78.6	1.2	B0/110		
BM	(30°-60°)	182.0	2.8	B0/220		
BH	(60°-80°)	199.4	3.1	B1/500		G1/500
BVH	(80°-90°)	66.6	1.0			G1/100
UL	(90°-100°)	96.8	1.5		U3/500	
UH	(100°-180°)	51.0	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P560931

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1
2.5°	980.8	1042.5	1061.0	1091.9	1107.3	1088.8	1054.9	1011.7	965.4	953.1	913.0
5°	1113.5	1101.1	1091.9	1091.9	1073.4	1033.3	996.3	1110.4	1039.5	1024.0	943.8
7.5°	1011.7	1107.3	1178.3	1184.4	1175.2	1144.3	1091.9	974.7	990.1	971.6	872.9
10°	1224.5	1227.6	1215.3	1224.5	1138.2	1095.0	925.3	854.4	798.9	872.9	783.4
12.5°	1014.8	1165.9	1252.3	1283.1	1175.2	1033.3	946.9	909.9	706.3	687.8	709.4
15°	1239.9	1246.1	1255.4	1224.5	953.1	1082.6	879.1	811.2	916.1	891.4	876.0
17.5°	980.8	993.2	1202.9	1190.6	1104.2	857.5	1045.6	931.5	851.3	820.5	798.9
20°	1249.2	1252.3	1249.2	946.9	1030.2	1153.6	983.9	953.1	1054.9	1042.5	987.0
22.5°	1048.7	1048.7	1119.6	1215.3	1082.6	1156.7	1002.4	1187.5	980.8	974.7	734.1
25°	1449.7	1449.7	1400.3	1073.4	1227.6	1088.8	1190.6	1067.2	1267.7	1224.5	1101.1
27.5°	1409.6	1366.4	1289.3	1354.1	1187.5	1363.3	1153.6	1301.6	1397.2	1437.3	1372.6
30°	1958.6	1958.6	1875.3	1449.7	1391.1	1317.1	1332.5	1557.6	1915.4	1921.6	1659.4
32.5°	2652.6	2603.3	2162.2	1869.2	1520.6	1653.3	1505.2	1832.2	2082.0	2072.7	1764.3
35°	2936.4	2921.0	2785.2	2294.8	1761.2	1810.6	1696.4	1937.0	2307.2	2245.5	1890.8
37.5°	3226.3	3201.6	3062.8	2535.4	2014.1	2078.9	1838.3	2091.2	2513.8	2424.4	2029.6
40°	3405.2	3408.3	3309.6	2726.6	2214.6	2248.6	2008.0	2279.4	2680.4	2698.9	2149.8
42.5°	3593.4	3590.3	3510.1	2951.8	2381.2	2424.4	2143.7	2458.3	2905.5	2927.1	2353.4
45°	3695.2	3689.0	3642.7	3106.0	2513.8	2544.7	2353.4	2677.3	3180.1	3173.9	2520.0
47.5°	3719.8	3729.1	3726.0	3257.2	2652.6	2665.0	2541.6	2837.7	3513.2	3445.3	2739.0
50°	3581.0	3587.2	3630.4	3377.5	2754.4	2766.7	2689.6	3019.7	3793.9	3713.7	2936.4
52.5°	3195.5	3232.5	3414.5	3303.4	2797.6	2843.8	2828.4	3158.5	4136.2	4037.5	3180.1
55°	2375.0	2461.4	2877.8	3025.8	2776.0	2846.9	2951.8	3411.4	4447.8	4327.5	3377.5
57.5°	1893.8	1909.3	2156.0	2563.2	2600.2	2831.5	3081.3	3565.6	4642.1	4521.8	3519.3
60°	1496.0	1520.6	1681.0	2008.0	2270.1	2739.0	3118.4	3722.9	4796.3	4694.5	3676.6
62.5°	1159.7	1156.7	1280.0	1499.0	1829.1	2544.7	3069.0	3818.5	4993.7	4916.6	3957.3
65°	808.1	808.1	913.0	1088.8	1384.9	2196.1	2970.3	3954.2	5329.9	5308.3	4305.9
67.5°	552.1	564.5	635.4	721.8	950.0	1785.9	2822.3	4093.0	5820.3	5718.5	4642.1
70°	404.1	404.1	431.8	478.1	592.2	1332.5	2557.0	4096.1	6178.1	6073.2	4817.9
72.5°	299.2	299.2	320.8	342.4	373.2	885.2	2097.4	3837.0	6085.6	5919.0	4460.1
75°	157.3	157.3	243.7	252.9	249.8	573.7	1548.4	3152.3	5144.8	4867.2	3491.6
77.5°	123.4	126.5	138.8	197.4	182.0	376.3	863.6	1940.1	3325.0	2985.7	1890.8
80°	89.4	86.4	108.0	126.5	108.0	219.0	407.1	851.3	1178.3	1020.9	623.1
82.5°	52.4	55.5	64.8	92.5	92.5	154.2	265.3	373.2	422.6	419.5	373.2
85°	6.2	9.3	33.9	61.7	55.5	89.4	222.1	259.1	333.1	339.3	333.1
87.5°	6.2	6.2	9.3	12.3	15.4	58.6	188.2	225.2	308.4	330.0	333.1
90°	12.3	9.3	6.2	6.2	9.3	46.3	175.8	231.3	326.9	333.1	348.5
92.5°	15.4	12.3	6.2	3.1	9.3	37.0	166.6	231.3	339.3	360.9	376.3
95°	21.6	18.5	6.2	3.1	9.3	30.8	141.9	219.0	354.7	391.7	407.1
97.5°	27.8	24.7	6.2	6.2	9.3	24.7	111.0	172.7	234.4	265.3	286.9
100°	30.8	30.8	6.2	6.2	9.3	15.4	55.5	95.6	74.0	70.9	80.2
102.5°	33.9	33.9	6.2	6.2	6.2	9.3	18.5	40.1	15.4	15.4	24.7
105°	33.9	33.9	6.2	6.2	6.2	6.2	6.2	15.4	12.3	15.4	27.8
107.5°	30.8	33.9	6.2	9.3	9.3	6.2	6.2	6.2	12.3	18.5	27.8



REPORT NUMBER: P560931

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	21.6	15.4	3.1	9.3	6.2	6.2	3.1	6.2	15.4	21.6	30.8
115°	9.3	6.2	3.1	6.2	6.2	6.2	3.1	6.2	15.4	24.7	30.8
117.5°	6.2	3.1	3.1	3.1	3.1	6.2	3.1	9.3	21.6	27.8	37.0
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.3	27.8	30.8	43.2
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	27.8	30.8	43.2
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	21.6	27.8	37.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4	21.6	30.8
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	15.4	18.5	24.7
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.3	12.3	18.5
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.3
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	6.2	3.1	3.1	3.1	3.1	3.1
150°	6.2	9.3	15.4	12.3	6.2	3.1	6.2	3.1	3.1	3.1	3.1
152.5°	15.4	15.4	12.3	12.3	3.1	3.1	6.2	6.2	3.1	3.1	3.1
155°	12.3	12.3	9.3	3.1	3.1	3.1	3.1	6.2	9.3	12.3	9.3
157.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P560931

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1	879.1
2.5°	882.1	851.3	783.4	731.0	675.5	644.6	586.0	536.7	499.7	493.5	493.5
5°	882.1	820.5	700.2	570.6	450.3	388.6	354.7	333.1	317.7	311.5	308.4
7.5°	789.6	709.4	549.0	397.9	345.5	289.9	249.8	219.0	191.2	182.0	172.7
10°	690.9	592.2	373.2	274.5	219.0	182.0	163.5	154.2	145.0	141.9	141.9
12.5°	613.8	512.0	299.2	225.2	154.2	129.5	123.4	117.2	114.1	111.0	108.0
15°	749.5	613.8	311.5	154.2	108.0	92.5	86.4	89.4	95.6	95.6	95.6
17.5°	694.0	539.8	259.1	117.2	89.4	67.9	74.0	80.2	86.4	77.1	74.0
20°	829.7	635.4	252.9	92.5	74.0	67.9	64.8	55.5	70.9	70.9	70.9
22.5°	601.5	481.2	191.2	86.4	61.7	58.6	49.4	55.5	58.6	49.4	49.4
25°	891.4	626.1	188.2	67.9	61.7	46.3	49.4	40.1	49.4	49.4	49.4
27.5°	1104.2	740.3	166.6	70.9	52.4	46.3	37.0	40.1	37.0	37.0	37.0
30°	1314.0	832.8	151.1	70.9	49.4	37.0	33.9	30.8	37.0	37.0	37.0
32.5°	1375.7	811.2	120.3	74.0	46.3	33.9	27.8	30.8	30.8	33.9	33.9
35°	1446.6	792.7	101.8	64.8	43.2	30.8	24.7	27.8	30.8	33.9	33.9
37.5°	1514.5	761.9	92.5	58.6	37.0	27.8	21.6	24.7	64.8	70.9	70.9
40°	1600.8	724.8	86.4	52.4	30.8	21.6	18.5	49.4	58.6	67.9	67.9
42.5°	1724.2	703.3	80.2	49.4	27.8	18.5	18.5	43.2	83.3	92.5	92.5
45°	1826.0	666.2	77.1	43.2	24.7	15.4	30.8	58.6	67.9	86.4	83.3
47.5°	1952.4	632.3	74.0	40.1	21.6	15.4	33.9	61.7	86.4	98.7	98.7
50°	2088.2	613.8	70.9	37.0	21.6	15.4	58.6	58.6	70.9	111.0	111.0
52.5°	2260.9	601.5	64.8	30.8	18.5	30.8	80.2	70.9	86.4	114.1	114.1
55°	2344.2	561.4	61.7	27.8	15.4	30.8	86.4	80.2	89.4	120.3	120.3
57.5°	2418.2	521.3	55.5	27.8	15.4	40.1	92.5	101.8	86.4	104.9	117.2
60°	2486.1	481.2	49.4	24.7	15.4	49.4	101.8	141.9	120.3	141.9	141.9
62.5°	2643.4	450.3	43.2	27.8	12.3	55.5	132.6	172.7	135.7	172.7	169.6
65°	2791.4	413.3	40.1	24.7	15.4	64.8	145.0	200.5	148.1	200.5	200.5
67.5°	2850.0	367.0	37.0	24.7	15.4	74.0	145.0	222.1	175.8	225.2	228.2
70°	2748.2	302.3	33.9	27.8	18.5	83.3	151.1	237.5	188.2	262.2	262.2
72.5°	2334.9	206.7	33.9	30.8	37.0	92.5	178.9	246.8	197.4	314.6	317.7
75°	1742.7	117.2	37.0	33.9	40.1	104.9	197.4	256.0	206.7	317.7	317.7
77.5°	993.2	80.2	37.0	40.1	49.4	104.9	206.7	265.3	203.6	311.5	305.4
80°	345.5	58.6	37.0	46.3	61.7	104.9	209.7	262.2	197.4	289.9	289.9
82.5°	234.4	49.4	37.0	46.3	74.0	111.0	206.7	246.8	175.8	243.7	234.4
85°	219.0	40.1	40.1	49.4	80.2	111.0	188.2	212.8	148.1	182.0	178.9
87.5°	215.9	37.0	46.3	52.4	86.4	101.8	160.4	175.8	120.3	148.1	145.0
90°	225.2	37.0	49.4	55.5	80.2	83.3	129.5	148.1	98.7	117.2	114.1
92.5°	240.6	37.0	52.4	61.7	70.9	61.7	104.9	117.2	83.3	89.4	86.4
95°	256.0	37.0	58.6	64.8	58.6	46.3	80.2	95.6	67.9	64.8	64.8
97.5°	169.6	27.8	61.7	64.8	49.4	33.9	61.7	74.0	40.1	33.9	33.9
100°	55.5	21.6	64.8	67.9	46.3	24.7	52.4	55.5	30.8	15.4	15.4
102.5°	24.7	21.6	58.6	58.6	40.1	18.5	37.0	40.1	21.6	6.2	6.2
105°	21.6	12.3	33.9	43.2	27.8	9.3	18.5	21.6	12.3	6.2	6.2
107.5°	24.7	12.3	18.5	24.7	12.3	9.3	9.3	9.3	6.2	6.2	6.2



REPORT NUMBER: P560931

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.8	12.3	9.3	12.3	9.3	9.3	6.2	6.2	12.3	21.6	21.6
115°	27.8	12.3	9.3	12.3	9.3	9.3	6.2	3.1	12.3	30.8	33.9
117.5°	30.8	15.4	6.2	9.3	6.2	6.2	6.2	3.1	15.4	40.1	40.1
120°	37.0	15.4	6.2	6.2	6.2	3.1	6.2	6.2	15.4	43.2	43.2
122.5°	37.0	18.5	6.2	6.2	6.2	3.1	3.1	6.2	18.5	40.1	43.2
125°	30.8	15.4	6.2	6.2	6.2	3.1	3.1	6.2	18.5	37.0	43.2
127.5°	24.7	15.4	6.2	6.2	6.2	3.1	3.1	6.2	18.5	30.8	33.9
130°	21.6	12.3	6.2	6.2	6.2	3.1	3.1	6.2	15.4	24.7	27.8
132.5°	15.4	9.3	6.2	6.2	6.2	3.1	3.1	3.1	15.4	24.7	24.7
135°	12.3	9.3	6.2	6.2	6.2	3.1	3.1	3.1	12.3	18.5	18.5
137.5°	6.2	3.1	6.2	6.2	6.2	3.1	3.1	3.1	9.3	9.3	9.3
140°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	6.2	3.1
142.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
155°	6.2	6.2	3.1	6.2	3.1	3.1	0.0	3.1	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
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



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110°	27.8	27.8	6.2	9.3	9.3	6.2	3.1	6.2	12.3	18.5	30.8
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110°	24.7	12.3	9.3	15.4	12.3	9.3	6.2	6.2	6.2	9.3	9.3
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(END OF REPORT)