

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: P560410

Luminaire Tested: **SDL-PA1-40-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-750-U-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4642.6 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 39.4
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



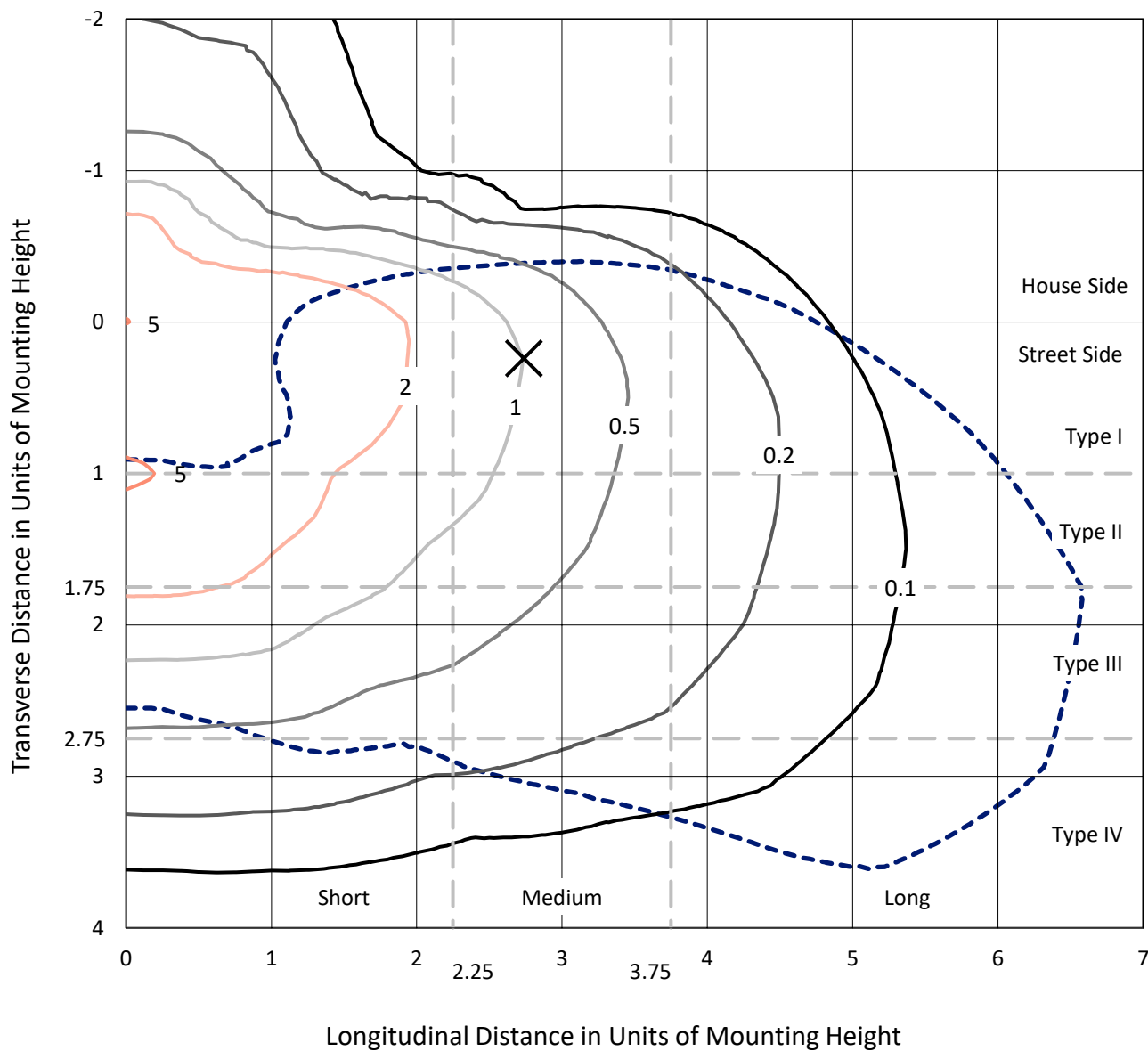
REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



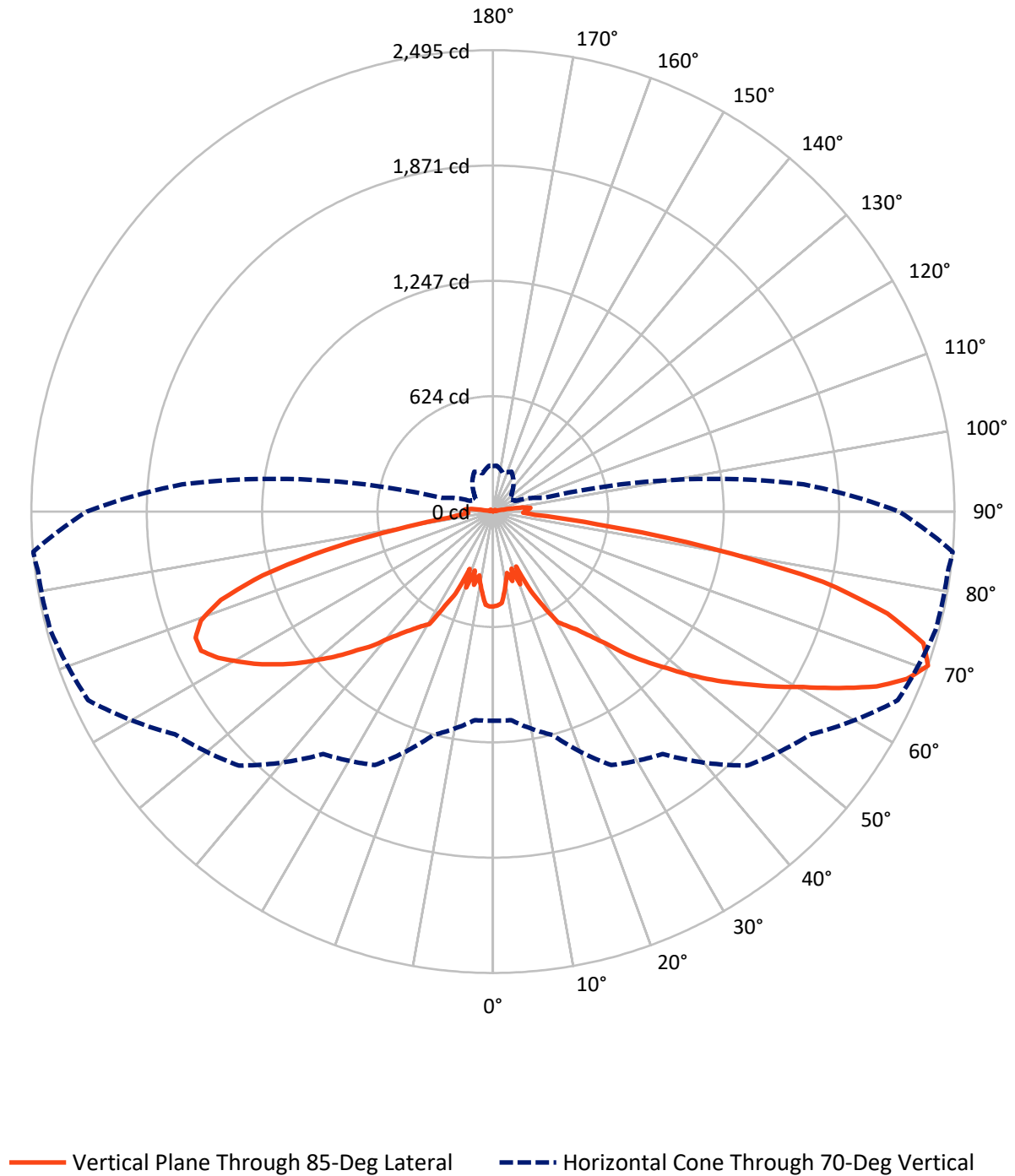
Based on 10 foot mounting height. Maximum calculated value = 5.2 fc

Type IV - Medium - N/A

REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

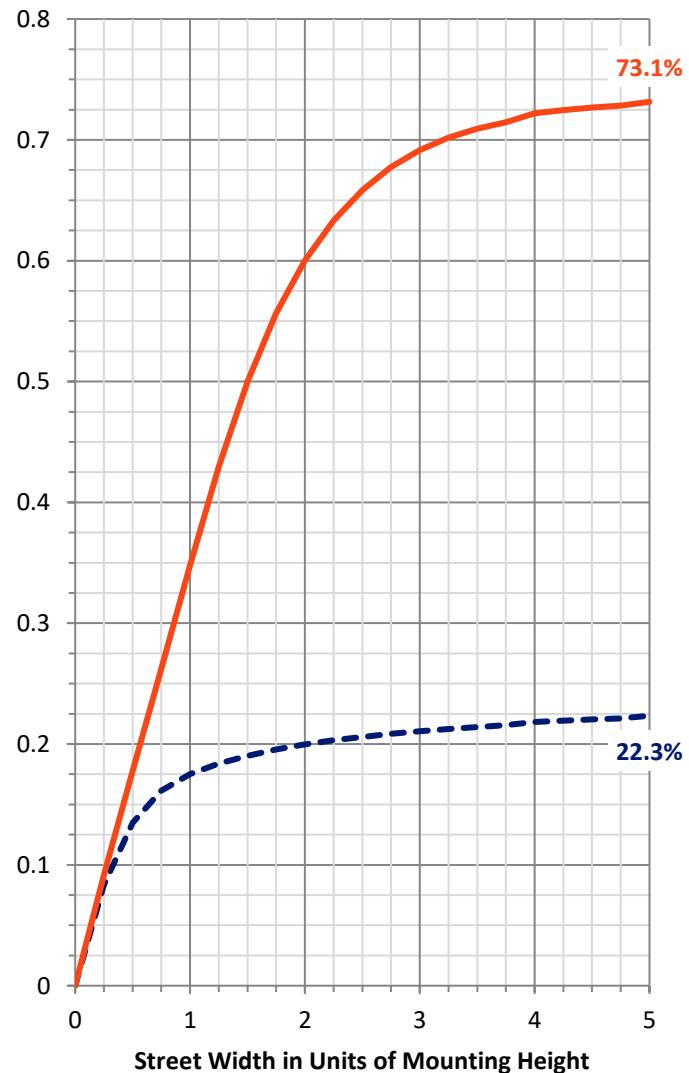
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1091.6	70.3	1161.9
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	3421.3	59.4	3480.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	4512.9	129.7	4642.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.9
10°-20°	102.4	2.2
20°-30°	186.6	4.0
30°-40°	352.7	7.6
40°-50°	589.5	12.7
50°-60°	920.0	19.8
60°-70°	1140.9	24.6
70°-80°	932.1	20.1
80°-90°	246.7	5.3
90°-100°	93.7	2.0
100°-110°	20.0	0.4
110°-120°	6.5	0.1
120°-130°	5.0	0.1
130°-140°	2.4	0.1
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4512.9	97.2
0°-180°	4642.6	100.0

Coefficient of Utilization



REPORT NUMBER: P560410

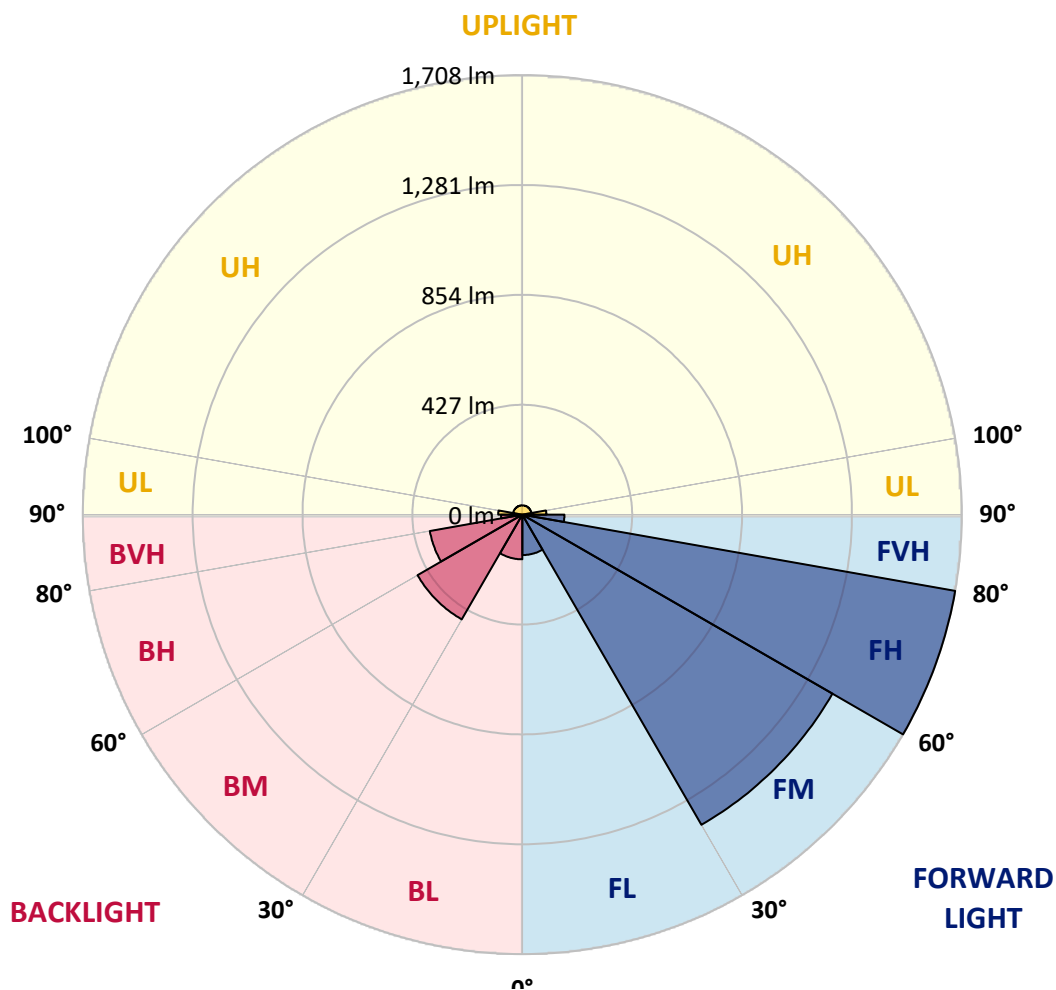
CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.2	3.4			
FM	(30°-60°)	1392.1	30.0			
FH	(60°-80°)	1708.4	36.8			G1/1800
FVH	(80°-90°)	163.7	3.5			G2/225
BL	(0°-30°)	173.6	3.7	B1/500		
BM	(30°-60°)	470.2	10.1	B1/1000		
BH	(60°-80°)	364.7	7.9	B1/500		G1/500
BVH	(80°-90°)	83.1	1.8			G1/100
UL	(90°-100°)	93.7	2.0		U3/500	
UH	(100°-180°)	36.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9
2.5°	424.7	466.1	458.9	471.5	478.7	489.5	496.7	500.3	503.9	507.5	507.5
5°	394.1	395.9	397.7	399.5	403.1	408.5	413.9	471.5	489.5	496.7	496.7
7.5°	360.0	358.2	365.4	374.3	386.9	394.1	399.5	401.3	421.1	437.3	440.9
10°	358.2	360.0	360.0	363.6	342.0	340.2	315.0	316.8	343.8	385.1	386.9
12.5°	311.4	320.4	340.2	354.6	333.0	298.8	293.4	307.8	288.0	338.4	340.2
15°	347.4	345.6	345.6	331.2	280.8	295.2	262.8	273.6	334.8	381.5	390.5
17.5°	302.4	298.8	334.8	324.0	291.6	246.6	295.2	291.6	302.4	329.4	324.0
20°	379.7	376.1	368.9	280.8	295.2	309.6	300.6	280.8	354.6	395.9	419.3
22.5°	354.6	358.2	376.1	356.4	304.2	318.6	284.4	345.6	334.8	318.6	322.2
25°	484.1	480.5	462.5	349.2	363.6	297.0	347.4	307.8	424.7	471.5	475.1
27.5°	446.3	440.9	428.3	439.1	368.9	388.7	338.4	403.1	469.7	552.5	577.7
30°	592.1	586.7	572.3	442.7	439.1	385.1	410.3	494.9	633.5	696.5	694.7
32.5°	763.1	723.5	635.3	566.9	469.7	500.3	469.7	583.1	674.9	736.1	736.1
35°	867.5	860.3	813.5	658.7	547.1	545.3	539.9	642.5	745.1	788.3	784.7
37.5°	955.7	968.3	934.1	763.1	617.3	631.7	604.7	723.5	831.5	856.7	853.1
40°	1078.1	1074.5	1056.5	853.1	703.7	701.9	682.1	820.7	926.9	944.9	935.9
42.5°	1259.8	1240.0	1186.0	973.7	795.5	795.5	759.5	912.5	1043.9	1045.7	1051.1
45°	1483.0	1474.0	1378.6	1160.8	914.3	912.5	853.1	1009.7	1162.6	1171.6	1155.4
47.5°	1637.8	1610.8	1564.0	1331.8	1097.9	1056.5	966.5	1105.1	1304.8	1297.6	1265.2
50°	1790.8	1769.2	1726.0	1519.0	1288.6	1205.8	1072.7	1204.0	1441.6	1421.8	1391.2
52.5°	1922.1	1893.3	1846.5	1672.0	1456.0	1391.2	1195.0	1294.0	1580.2	1547.8	1519.0
55°	1997.7	1938.3	1941.9	1808.8	1582.0	1529.8	1331.8	1439.8	1715.2	1668.4	1645.0
57.5°	1904.1	1900.5	1959.9	1893.3	1697.2	1645.0	1477.6	1585.6	1855.5	1794.4	1783.6
60°	1810.6	1821.4	1905.9	1918.5	1787.2	1749.4	1603.6	1792.6	1992.3	1925.7	1925.7
62.5°	1681.0	1711.6	1830.4	1927.5	1796.2	1851.9	1735.0	1968.9	2141.7	2080.5	2100.3
65°	1533.4	1533.4	1670.2	1853.7	1767.4	1920.3	1880.7	2161.5	2273.1	2237.1	2278.5
67.5°	1331.8	1335.4	1477.6	1709.8	1715.2	1954.5	1997.7	2312.7	2409.9	2382.9	2413.5
70°	1130.2	1132.0	1250.8	1511.8	1600.0	1941.9	2098.5	2413.5	2476.5	2480.1	2494.5
72.5°	845.9	876.5	988.1	1227.4	1400.2	1889.7	2150.7	2442.3	2474.7	2480.1	2433.3
75°	455.3	469.7	593.9	799.1	1040.3	1675.6	2134.5	2411.7	2388.3	2325.3	2202.9
77.5°	158.4	165.6	208.8	349.2	590.3	1186.0	1979.7	2278.5	2202.9	2004.9	1825.0
80°	102.6	102.6	113.4	167.4	268.2	561.5	1537.0	1952.7	1774.6	1351.6	1184.2
82.5°	72.0	73.8	82.8	111.6	172.8	241.2	799.1	991.7	977.3	673.1	566.9
85°	52.2	54.0	57.6	64.8	118.8	149.4	311.4	476.9	440.9	241.2	226.8
87.5°	23.4	27.0	23.4	28.8	46.8	91.8	149.4	147.6	140.4	160.2	163.8
90°	18.0	18.0	14.4	16.2	32.4	82.8	138.6	133.2	142.2	174.6	172.8
92.5°	18.0	18.0	14.4	16.2	30.6	82.8	145.8	129.6	147.6	187.2	189.0
95°	18.0	19.8	14.4	14.4	25.2	84.6	154.8	138.6	156.6	203.4	203.4
97.5°	16.2	16.2	10.8	12.6	19.8	77.4	154.8	118.8	115.2	163.8	162.0
100°	12.6	14.4	7.2	10.8	14.4	46.8	115.2	73.8	32.4	37.8	57.6
102.5°	12.6	12.6	7.2	9.0	10.8	19.8	61.2	43.2	9.0	12.6	12.6
105°	12.6	14.4	7.2	7.2	7.2	9.0	28.8	21.6	7.2	10.8	12.6
107.5°	14.4	14.4	5.4	5.4	5.4	5.4	10.8	9.0	7.2	12.6	14.4



REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	12.6	12.6	5.4	5.4	3.6	3.6	3.6	5.4	7.2	10.8	12.6
115°	9.0	9.0	3.6	5.4	3.6	3.6	3.6	5.4	5.4	9.0	10.8
117.5°	9.0	7.2	3.6	3.6	1.8	3.6	3.6	5.4	7.2	12.6	12.6
120°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	3.6	9.0	14.4	16.2
122.5°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	3.6	9.0	14.4	16.2
125°	10.8	9.0	5.4	1.8	1.8	1.8	1.8	1.8	7.2	12.6	14.4
127.5°	9.0	9.0	5.4	1.8	1.8	1.8	1.8	1.8	5.4	10.8	12.6
130°	9.0	9.0	5.4	1.8	1.8	1.8	1.8	1.8	5.4	9.0	9.0
132.5°	7.2	7.2	5.4	1.8	1.8	1.8	1.8	1.8	3.6	7.2	7.2
135°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	1.8	1.8	5.4	5.4
137.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	0.0	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8
150°	5.4	5.4	5.4	3.6	3.6	1.8	3.6	1.8	1.8	1.8	1.8
152.5°	5.4	5.4	7.2	3.6	1.8	1.8	1.8	3.6	1.8	1.8	1.8
155°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	3.6	3.6	5.4
157.5°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9
2.5°	509.3	512.9	514.7	520.1	520.1	520.1	507.5	476.9	476.9	478.7	480.5
5°	502.1	505.7	512.9	487.7	462.5	460.7	469.7	475.1	476.9	478.7	475.1
7.5°	444.5	451.7	448.1	449.9	462.5	475.1	485.9	478.7	460.7	448.1	451.7
10°	395.9	403.1	363.6	367.2	381.5	417.5	476.9	496.7	509.3	514.7	514.7
12.5°	347.4	352.8	318.6	368.9	343.8	399.5	464.3	512.9	464.3	444.5	444.5
15°	397.7	408.5	367.2	327.6	334.8	404.9	356.4	489.5	503.9	507.5	511.1
17.5°	340.2	333.0	340.2	345.6	376.1	315.0	408.5	460.7	431.9	421.1	426.5
20°	428.3	435.5	397.7	340.2	343.8	401.3	363.6	412.1	491.3	493.1	496.7
22.5°	325.8	334.8	356.4	404.9	354.6	388.7	383.3	428.3	401.3	403.1	417.5
25°	478.7	485.9	448.1	361.8	386.9	351.0	386.9	381.5	449.9	453.5	453.5
27.5°	586.7	570.5	489.5	408.5	340.2	370.7	349.2	363.6	347.4	395.9	403.1
30°	698.3	698.3	635.3	455.3	360.0	315.0	318.6	345.6	385.1	392.3	392.3
32.5°	732.5	730.7	649.7	493.1	354.6	325.8	293.4	325.8	394.1	428.3	431.9
35°	781.1	773.9	674.9	480.5	342.0	297.0	277.2	327.6	377.9	383.3	379.7
37.5°	842.3	824.3	705.5	457.1	313.2	279.0	266.4	295.2	338.4	338.4	338.4
40°	917.9	889.1	716.3	424.7	282.6	255.6	243.0	273.6	302.4	286.2	280.8
42.5°	1020.5	977.3	725.3	401.3	255.6	235.8	219.6	248.4	262.8	253.8	250.2
45°	1115.8	1051.1	739.7	376.1	234.0	217.8	203.4	228.6	239.4	230.4	228.6
47.5°	1229.2	1142.8	741.5	352.8	217.8	203.4	192.6	214.2	221.4	221.4	219.6
50°	1346.2	1231.0	755.9	333.0	201.6	189.0	187.2	203.4	208.8	205.2	203.4
52.5°	1479.4	1330.0	761.3	307.8	181.8	172.8	181.8	192.6	208.8	210.6	210.6
55°	1621.6	1421.8	757.7	273.6	167.4	163.8	176.4	199.8	214.2	203.4	201.6
57.5°	1760.2	1513.6	759.5	235.8	153.0	160.2	178.2	208.8	219.6	207.0	201.6
60°	1884.3	1596.4	734.3	201.6	142.2	151.2	185.4	217.8	214.2	217.8	212.4
62.5°	2037.3	1682.8	662.3	180.0	133.2	147.6	185.4	223.2	208.8	223.2	223.2
65°	2163.3	1747.6	559.7	162.0	126.0	147.6	187.2	225.0	203.4	226.8	226.8
67.5°	2217.3	1745.8	404.9	147.6	117.0	144.0	187.2	232.2	208.8	234.0	232.2
70°	2195.7	1686.4	286.2	136.8	111.6	145.8	194.4	237.6	214.2	248.4	246.6
72.5°	2049.9	1546.0	207.0	127.8	104.4	138.6	199.8	244.8	219.6	270.0	270.0
75°	1805.2	1292.2	167.4	118.8	97.2	136.8	201.6	248.4	223.2	273.6	273.6
77.5°	1380.4	928.7	140.4	109.8	90.0	133.2	199.8	253.8	221.4	273.6	273.6
80°	827.9	529.1	117.0	99.0	91.8	131.4	203.4	253.8	221.4	270.0	270.0
82.5°	381.5	243.0	104.4	82.8	86.4	129.6	207.0	250.2	212.4	270.0	259.2
85°	212.4	171.0	90.0	70.2	77.4	122.4	196.2	225.0	190.8	223.2	219.6
87.5°	158.4	133.2	57.6	36.0	50.4	86.4	151.2	178.2	144.0	172.8	171.0
90°	169.2	140.4	52.2	36.0	54.0	79.2	142.2	158.4	133.2	160.2	158.4
92.5°	181.8	147.6	52.2	37.8	61.2	86.4	142.2	154.8	131.4	145.8	147.6
95°	190.8	153.0	50.4	41.4	64.8	93.6	138.6	142.2	120.6	126.0	131.4
97.5°	149.4	115.2	45.0	43.2	63.0	75.6	113.4	111.6	82.8	77.4	77.4
100°	46.8	32.4	39.6	45.0	37.8	36.0	66.6	79.2	48.6	32.4	30.6
102.5°	14.4	12.6	36.0	43.2	28.8	16.2	36.0	50.4	36.0	5.4	7.2
105°	14.4	14.4	23.4	36.0	19.8	7.2	14.4	27.0	21.6	5.4	5.4
107.5°	14.4	12.6	9.0	19.8	7.2	5.4	7.2	7.2	7.2	5.4	5.4



REPORT NUMBER: P560410

CATALOG NUMBER: SDL-PA1-40-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.4	14.4	7.2	7.2	5.4	5.4	3.6	3.6	5.4	12.6	12.6
115°	12.6	12.6	7.2	5.4	3.6	5.4	3.6	3.6	5.4	14.4	14.4
117.5°	14.4	14.4	7.2	5.4	3.6	3.6	3.6	1.8	5.4	16.2	18.0
120°	18.0	16.2	9.0	3.6	3.6	3.6	3.6	3.6	7.2	14.4	16.2
122.5°	18.0	18.0	9.0	3.6	1.8	1.8	1.8	3.6	7.2	14.4	16.2
125°	16.2	16.2	9.0	3.6	1.8	1.8	1.8	1.8	7.2	12.6	12.6
127.5°	14.4	14.4	7.2	3.6	1.8	1.8	1.8	1.8	5.4	10.8	12.6
130°	10.8	10.8	5.4	3.6	1.8	1.8	1.8	1.8	5.4	9.0	10.8
132.5°	9.0	9.0	5.4	3.6	1.8	1.8	1.8	1.8	5.4	7.2	9.0
135°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	3.6	5.4	7.2
137.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
140°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	5.4	3.6
152.5°	1.8	1.8	1.8	3.6	1.8	0.0	0.0	3.6	3.6	5.4	5.4
155°	5.4	5.4	3.6	1.8	1.8	0.0	0.0	0.0	3.6	3.6	3.6
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8
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°	14.4	14.4	5.4	5.4	3.6	3.6	5.4	5.4	7.2	12.6	14.4
------	------	------	-----	-----	-----	-----	-----	-----	-----	------	------



110°		14.4	14.4	7.2	7.2	5.4	5.4	5.4	3.6	3.6	9.0	9.0
------	--	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)