

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: P560586

Luminaire Tested: **SDL-PA1-50-750-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560586
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-PA1-50-750-U-T3-A
Description: Springdale
(1) 70 CRI, 5000K, 670mA 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: 6023.6 lumens
Efficiency: N/A
Efficacy: 115.0 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): 52.4
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

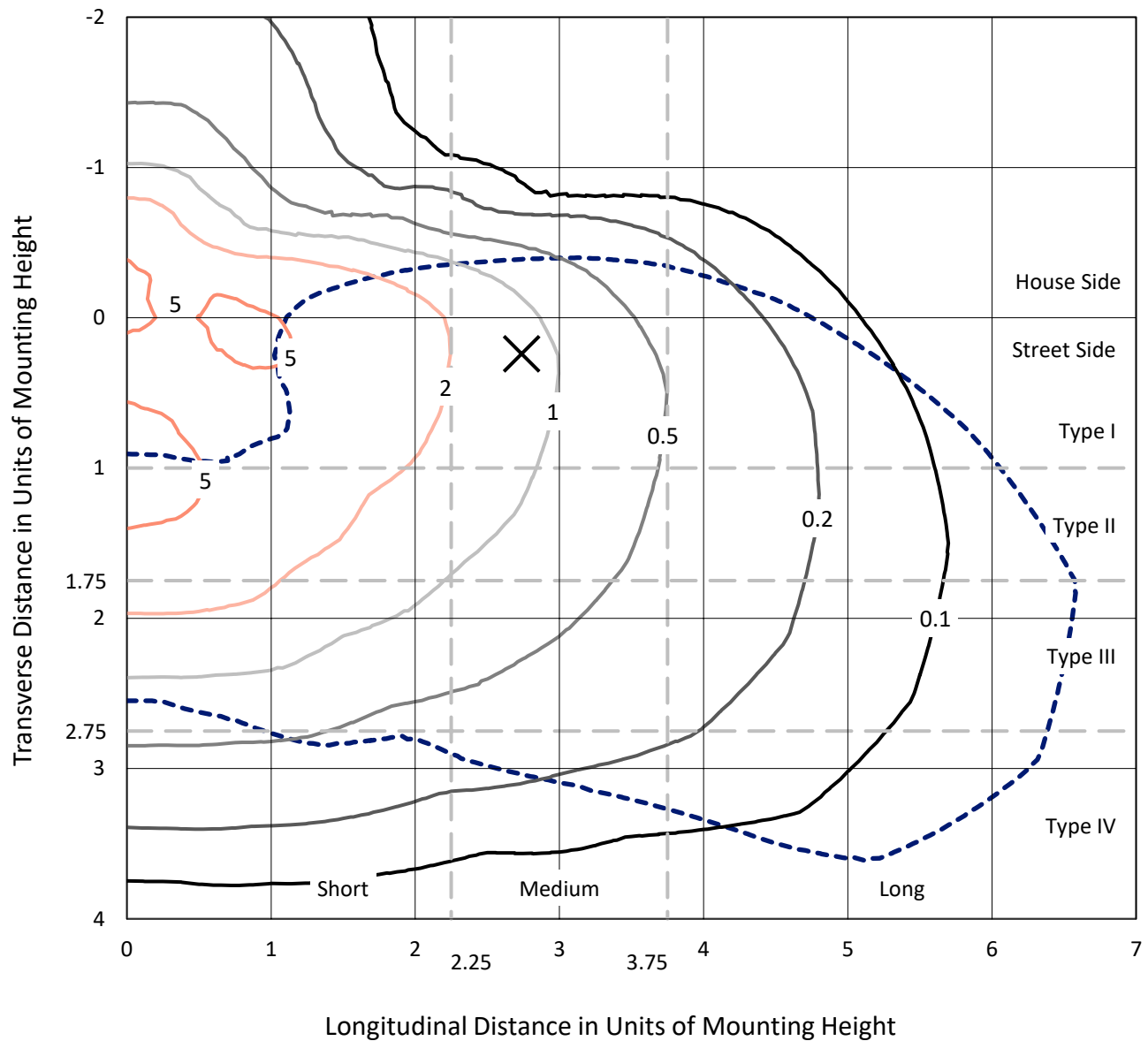


REPORT NUMBER: P560586

CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

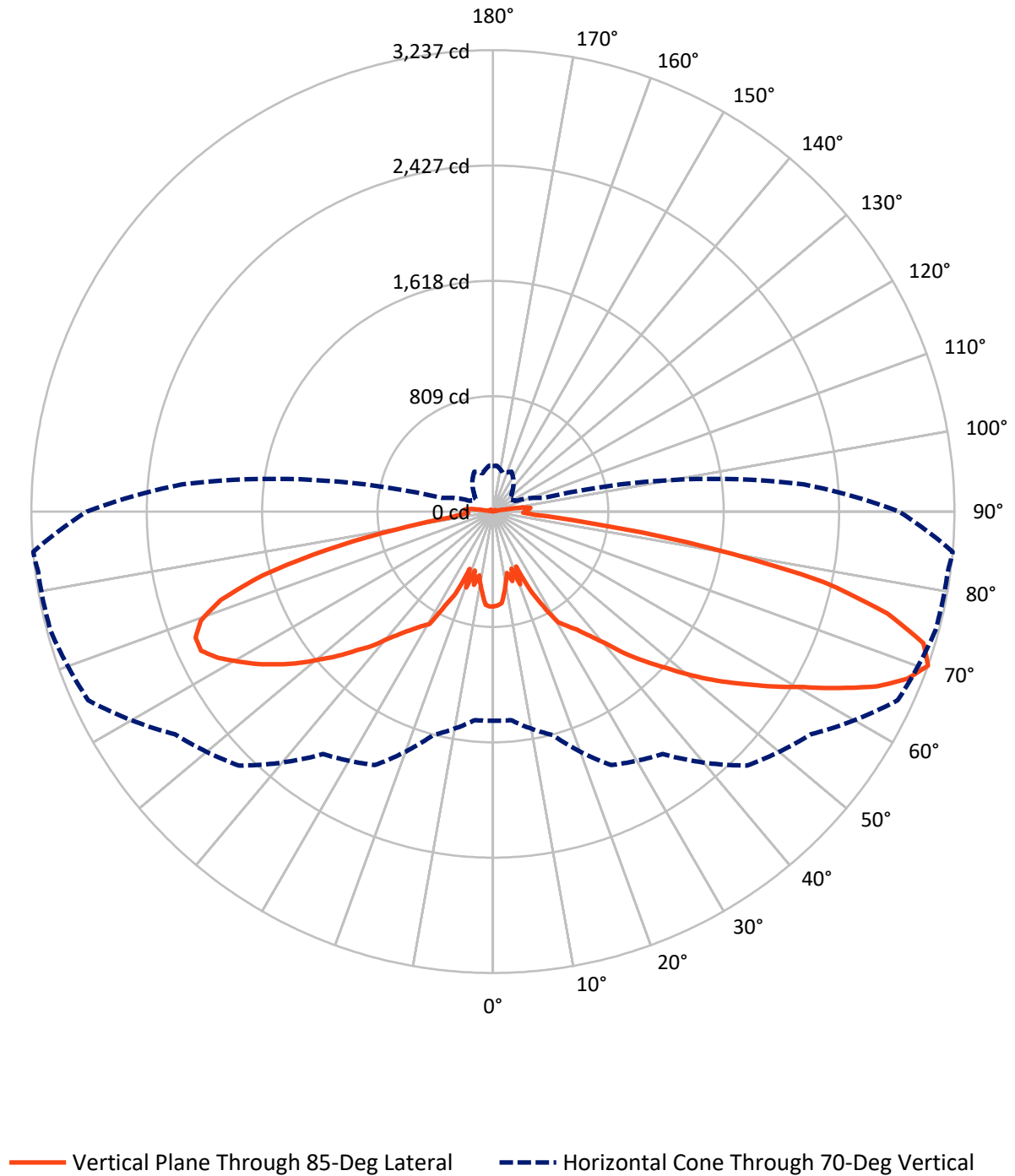


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560586

CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560586

CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

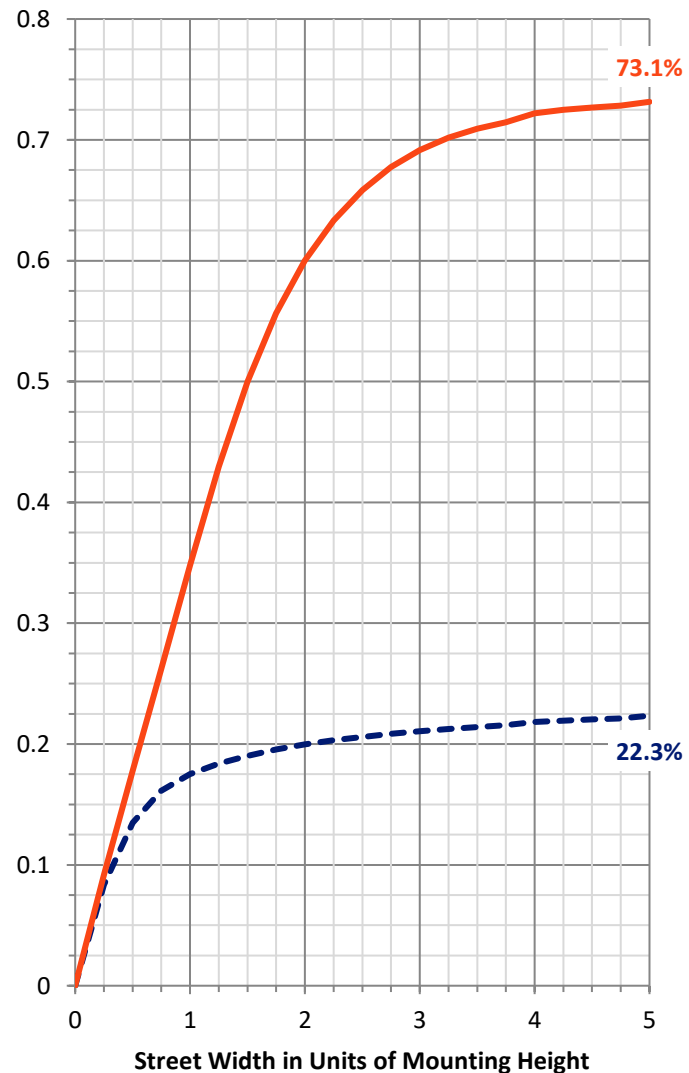
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.2	91.2	1507.4
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4439.1	77.0	4516.2
	% Fixture	73.7	1.3	75.0
Total	Lumens	5855.3	168.2	6023.6
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	0.9
10°-20°	132.9	2.2
20°-30°	242.1	4.0
30°-40°	457.6	7.6
40°-50°	764.8	12.7
50°-60°	1193.7	19.8
60°-70°	1480.3	24.6
70°-80°	1209.4	20.1
80°-90°	320.1	5.3
90°-100°	121.5	2.0
100°-110°	25.9	0.4
110°-120°	8.4	0.1
120°-130°	6.5	0.1
130°-140°	3.1	0.1
140°-150°	1.5	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5855.3	97.2
0°-180°	6023.6	100.0



REPORT NUMBER: P560586

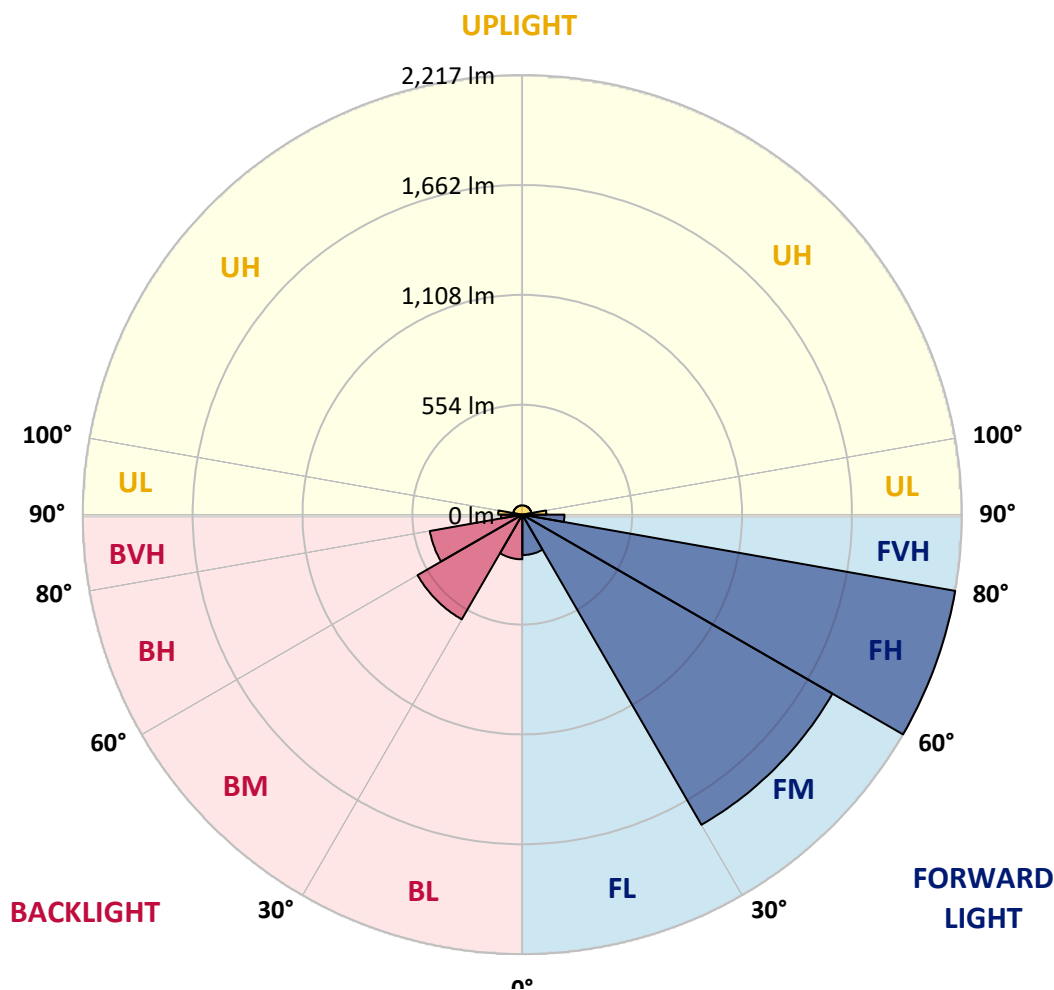
CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.0	3.4			
FM	(30°-60°)	1806.2	30.0			
FH	(60°-80°)	2216.6	36.8			G2/5000
FVH	(80°-90°)	212.4	3.5			G2/225
BL	(0°-30°)	225.2	3.7	B1/500		
BM	(30°-60°)	610.0	10.1	B1/1000		
BH	(60°-80°)	473.2	7.9	B1/500		G1/500
BVH	(80°-90°)	107.7	1.8			G2/225
UL	(90°-100°)	121.5	2.0		U3/500	
UH	(100°-180°)	46.7	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560586

CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	551.1	604.8	595.5	611.8	621.2	635.2	644.5	649.2	653.8	658.5	658.5
5°	511.4	513.7	516.1	518.4	523.1	530.1	537.1	611.8	635.2	644.5	644.5
7.5°	467.0	464.7	474.0	485.7	502.1	511.4	518.4	520.7	546.4	567.4	572.1
10°	464.7	467.0	467.0	471.7	443.7	441.3	408.7	411.0	446.0	499.7	502.1
12.5°	404.0	415.7	441.3	460.0	432.0	387.6	380.6	399.3	373.6	439.0	441.3
15°	450.7	448.3	448.3	429.7	364.3	383.0	340.9	354.9	434.3	495.1	506.7
17.5°	392.3	387.6	434.3	420.3	378.3	319.9	383.0	378.3	392.3	427.3	420.3
20°	492.7	488.0	478.7	364.3	383.0	401.6	390.0	364.3	460.0	513.7	544.1
22.5°	460.0	464.7	488.0	462.4	394.6	413.3	369.0	448.3	434.3	413.3	418.0
25°	628.2	623.5	600.1	453.0	471.7	385.3	450.7	399.3	551.1	611.8	616.5
27.5°	579.1	572.1	555.8	569.8	478.7	504.4	439.0	523.1	609.5	716.9	749.6
30°	768.3	761.3	742.6	574.4	569.8	499.7	532.4	642.2	822.0	903.7	901.4
32.5°	990.1	938.7	824.3	735.6	609.5	649.2	609.5	756.6	875.7	955.1	955.1
35°	1125.5	1116.2	1055.5	854.7	709.9	707.6	700.5	833.6	966.8	1022.8	1018.1
37.5°	1240.0	1256.3	1211.9	990.1	801.0	819.6	784.6	938.7	1078.8	1111.5	1106.9
40°	1398.8	1394.1	1370.7	1106.9	913.0	910.7	885.0	1064.8	1202.6	1226.0	1214.3
42.5°	1634.6	1608.9	1538.9	1263.3	1032.1	1032.1	985.4	1183.9	1354.4	1356.7	1363.7
45°	1924.2	1912.5	1788.7	1506.2	1186.3	1183.9	1106.9	1310.0	1508.5	1520.2	1499.2
47.5°	2125.0	2090.0	2029.2	1728.0	1424.4	1370.7	1254.0	1433.8	1693.0	1683.6	1641.6
50°	2323.5	2295.5	2239.4	1970.9	1672.0	1564.6	1391.7	1562.2	1870.5	1844.8	1805.1
52.5°	2493.9	2456.6	2395.9	2169.4	1889.1	1805.1	1550.5	1679.0	2050.3	2008.2	1970.9
55°	2592.0	2515.0	2519.6	2346.8	2052.6	1984.9	1728.0	1868.1	2225.4	2164.7	2134.3
57.5°	2470.6	2465.9	2543.0	2456.6	2202.0	2134.3	1917.2	2057.3	2407.5	2328.1	2314.1
60°	2349.2	2363.2	2472.9	2489.3	2318.8	2269.8	2080.6	2325.8	2585.0	2498.6	2498.6
62.5°	2181.0	2220.7	2374.8	2500.9	2330.5	2402.9	2251.1	2554.7	2778.8	2699.4	2725.1
65°	1989.5	1989.5	2167.0	2405.2	2293.1	2491.6	2440.2	2804.5	2949.3	2902.6	2956.3
67.5°	1728.0	1732.7	1917.2	2218.4	2225.4	2536.0	2592.0	3000.7	3126.8	3091.7	3131.4
70°	1466.5	1468.8	1622.9	1961.5	2075.9	2519.6	2722.8	3131.4	3213.2	3217.8	3236.5
72.5°	1097.5	1137.2	1282.0	1592.6	1816.7	2451.9	2790.5	3168.8	3210.8	3217.8	3157.1
75°	590.8	609.5	770.6	1036.8	1349.7	2174.0	2769.5	3129.1	3098.7	3017.0	2858.2
77.5°	205.5	214.8	270.9	453.0	765.9	1538.9	2568.7	2956.3	2858.2	2601.4	2367.8
80°	133.1	133.1	147.1	217.2	347.9	728.6	1994.2	2533.6	2302.5	1753.7	1536.5
82.5°	93.4	95.7	107.4	144.8	224.2	312.9	1036.8	1286.7	1268.0	873.3	735.6
85°	67.7	70.1	74.7	84.1	154.1	193.8	404.0	618.8	572.1	312.9	294.2
87.5°	30.4	35.0	30.4	37.4	60.7	119.1	193.8	191.5	182.1	207.8	212.5
90°	23.4	23.4	18.7	21.0	42.0	107.4	179.8	172.8	184.5	226.5	224.2
92.5°	23.4	23.4	18.7	21.0	39.7	107.4	189.1	168.1	191.5	242.9	245.2
95°	23.4	25.7	18.7	18.7	32.7	109.8	200.8	179.8	203.2	263.9	263.9
97.5°	21.0	21.0	14.0	16.3	25.7	100.4	200.8	154.1	149.4	212.5	210.2
100°	16.3	18.7	9.3	14.0	18.7	60.7	149.4	95.7	42.0	49.0	74.7
102.5°	16.3	16.3	9.3	11.7	14.0	25.7	79.4	56.0	11.7	16.3	16.3
105°	16.3	18.7	9.3	9.3	9.3	11.7	37.4	28.0	9.3	14.0	16.3
107.5°	18.7	18.7	7.0	7.0	7.0	7.0	14.0	11.7	9.3	16.3	18.7



REPORT NUMBER: P560586

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	16.3	16.3	7.0	7.0	4.7	4.7	4.7	7.0	9.3	14.0	16.3
115°	11.7	11.7	4.7	7.0	4.7	4.7	4.7	7.0	7.0	11.7	14.0
117.5°	11.7	9.3	4.7	4.7	2.3	4.7	4.7	7.0	9.3	16.3	16.3
120°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	4.7	11.7	18.7	21.0
122.5°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	4.7	11.7	18.7	21.0
125°	14.0	11.7	7.0	2.3	2.3	2.3	2.3	2.3	9.3	16.3	18.7
127.5°	11.7	11.7	7.0	2.3	2.3	2.3	2.3	2.3	7.0	14.0	16.3
130°	11.7	11.7	7.0	2.3	2.3	2.3	2.3	2.3	7.0	11.7	11.7
132.5°	9.3	9.3	7.0	2.3	2.3	2.3	2.3	2.3	4.7	9.3	9.3
135°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	7.0	7.0
137.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
150°	7.0	7.0	7.0	4.7	4.7	2.3	4.7	2.3	2.3	2.3	2.3
152.5°	7.0	7.0	9.3	4.7	2.3	2.3	2.3	4.7	2.3	2.3	2.3
155°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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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CATALOG NUMBER: SDL-PA1-50-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	660.8	665.5	667.9	674.9	674.9	674.9	658.5	618.8	618.8	621.2	623.5
5°	651.5	656.2	665.5	632.8	600.1	597.8	609.5	616.5	618.8	621.2	616.5
7.5°	576.8	586.1	581.5	583.8	600.1	616.5	630.5	621.2	597.8	581.5	586.1
10°	513.7	523.1	471.7	476.4	495.1	541.8	618.8	644.5	660.8	667.9	667.9
12.5°	450.7	457.7	413.3	478.7	446.0	518.4	602.5	665.5	602.5	576.8	576.8
15°	516.1	530.1	476.4	425.0	434.3	525.4	462.4	635.2	653.8	658.5	663.2
17.5°	441.3	432.0	441.3	448.3	488.0	408.7	530.1	597.8	560.4	546.4	553.4
20°	555.8	565.1	516.1	441.3	446.0	520.7	471.7	534.7	637.5	639.8	644.5
22.5°	422.7	434.3	462.4	525.4	460.0	504.4	497.4	555.8	520.7	523.1	541.8
25°	621.2	630.5	581.5	469.4	502.1	455.4	502.1	495.1	583.8	588.5	588.5
27.5°	761.3	740.2	635.2	530.1	441.3	481.0	453.0	471.7	450.7	513.7	523.1
30°	906.0	906.0	824.3	590.8	467.0	408.7	413.3	448.3	499.7	509.1	509.1
32.5°	950.4	948.1	843.0	639.8	460.0	422.7	380.6	422.7	511.4	555.8	560.4
35°	1013.5	1004.1	875.7	623.5	443.7	385.3	359.6	425.0	490.4	497.4	492.7
37.5°	1092.9	1069.5	915.4	593.1	406.3	361.9	345.6	383.0	439.0	439.0	439.0
40°	1190.9	1153.6	929.4	551.1	366.6	331.6	315.2	354.9	392.3	371.3	364.3
42.5°	1324.0	1268.0	941.1	520.7	331.6	305.9	284.9	322.3	340.9	329.3	324.6
45°	1447.8	1363.7	959.7	488.0	303.6	282.6	263.9	296.6	310.6	298.9	296.6
47.5°	1594.9	1482.8	962.1	457.7	282.6	263.9	249.9	277.9	287.2	287.2	284.9
50°	1746.7	1597.2	980.8	432.0	261.5	245.2	242.9	263.9	270.9	266.2	263.9
52.5°	1919.5	1725.7	987.8	399.3	235.9	224.2	235.9	249.9	270.9	273.2	273.2
55°	2104.0	1844.8	983.1	354.9	217.2	212.5	228.8	259.2	277.9	263.9	261.5
57.5°	2283.8	1963.9	985.4	305.9	198.5	207.8	231.2	270.9	284.9	268.5	261.5
60°	2444.9	2071.3	952.7	261.5	184.5	196.2	240.5	282.6	277.9	282.6	275.5
62.5°	2643.4	2183.4	859.3	233.5	172.8	191.5	240.5	289.6	270.9	289.6	289.6
65°	2806.9	2267.4	726.2	210.2	163.5	191.5	242.9	291.9	263.9	294.2	294.2
67.5°	2876.9	2265.1	525.4	191.5	151.8	186.8	242.9	301.2	270.9	303.6	301.2
70°	2848.9	2188.0	371.3	177.5	144.8	189.1	252.2	308.2	277.9	322.3	319.9
72.5°	2659.7	2005.9	268.5	165.8	135.4	179.8	259.2	317.6	284.9	350.3	350.3
75°	2342.2	1676.6	217.2	154.1	126.1	177.5	261.5	322.3	289.6	354.9	354.9
77.5°	1791.1	1204.9	182.1	142.4	116.8	172.8	259.2	329.3	287.2	354.9	354.9
80°	1074.2	686.5	151.8	128.4	119.1	170.5	263.9	329.3	287.2	350.3	350.3
82.5°	495.1	315.2	135.4	107.4	112.1	168.1	268.5	324.6	275.5	350.3	336.3
85°	275.5	221.8	116.8	91.1	100.4	158.8	254.5	291.9	247.5	289.6	284.9
87.5°	205.5	172.8	74.7	46.7	65.4	112.1	196.2	231.2	186.8	224.2	221.8
90°	219.5	182.1	67.7	46.7	70.1	102.7	184.5	205.5	172.8	207.8	205.5
92.5°	235.9	191.5	67.7	49.0	79.4	112.1	184.5	200.8	170.5	189.1	191.5
95°	247.5	198.5	65.4	53.7	84.1	121.4	179.8	184.5	156.5	163.5	170.5
97.5°	193.8	149.4	58.4	56.0	81.7	98.1	147.1	144.8	107.4	100.4	100.4
100°	60.7	42.0	51.4	58.4	49.0	46.7	86.4	102.7	63.0	42.0	39.7
102.5°	18.7	16.3	46.7	56.0	37.4	21.0	46.7	65.4	46.7	7.0	9.3
105°	18.7	18.7	30.4	46.7	25.7	9.3	18.7	35.0	28.0	7.0	7.0
107.5°	18.7	16.3	11.7	25.7	9.3	7.0	9.3	9.3	9.3	7.0	7.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.7	18.7	9.3	9.3	7.0	7.0	4.7	4.7	7.0	16.3	16.3
115°	16.3	16.3	9.3	7.0	4.7	7.0	4.7	4.7	7.0	18.7	18.7
117.5°	18.7	18.7	9.3	7.0	4.7	4.7	4.7	2.3	7.0	21.0	23.4
120°	23.4	21.0	11.7	4.7	4.7	4.7	4.7	4.7	9.3	18.7	21.0
122.5°	23.4	23.4	11.7	4.7	2.3	2.3	2.3	4.7	9.3	18.7	21.0
125°	21.0	21.0	11.7	4.7	2.3	2.3	2.3	2.3	9.3	16.3	16.3
127.5°	18.7	18.7	9.3	4.7	2.3	2.3	2.3	2.3	7.0	14.0	16.3
130°	14.0	14.0	7.0	4.7	2.3	2.3	2.3	2.3	7.0	11.7	14.0
132.5°	11.7	11.7	7.0	4.7	2.3	2.3	2.3	2.3	7.0	9.3	11.7
135°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3
137.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	4.7
152.5°	2.3	2.3	2.3	4.7	2.3	0.0	0.0	4.7	4.7	7.0	7.0
155°	7.0	7.0	4.7	2.3	2.3	0.0	0.0	0.0	4.7	4.7	4.7
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
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°	18.7	18.7	7.0	7.0	4.7	4.7	7.0	7.0	9.3	16.3	18.7
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110°	18.7	18.7	9.3	9.3	7.0	7.0	7.0	4.7	4.7	11.7	11.7
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(END OF REPORT)