Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560574

Luminaire Tested: **SDL-PA1-50-750-U-SL3-A**

Issue Date: 7/26/2021

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560574
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description:	Springdale
	(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5986.2 lumens
Efficiency:	N/A
Efficacy:	114.2 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U3 - G3

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

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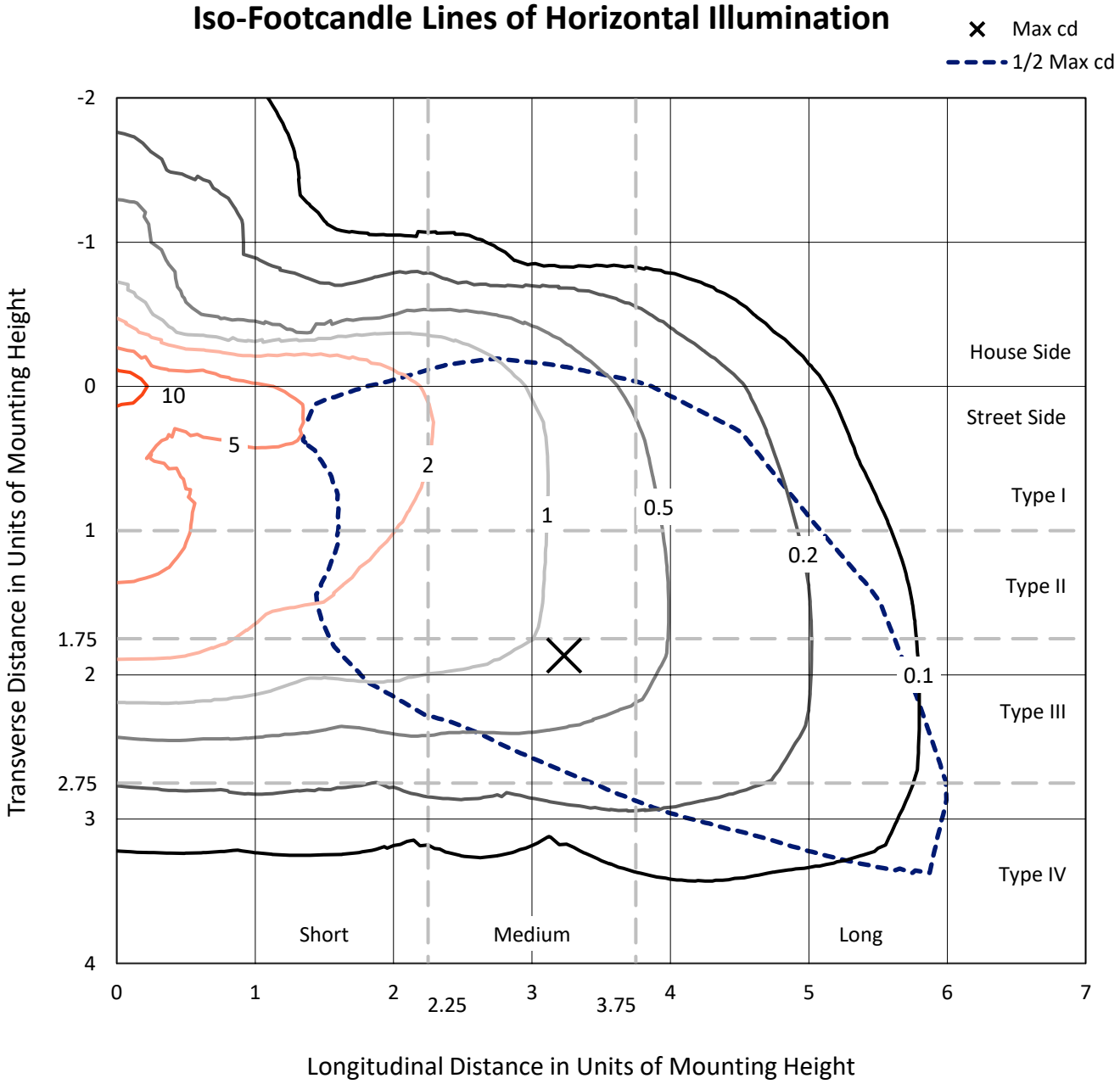
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
Type III - Medium - N/A

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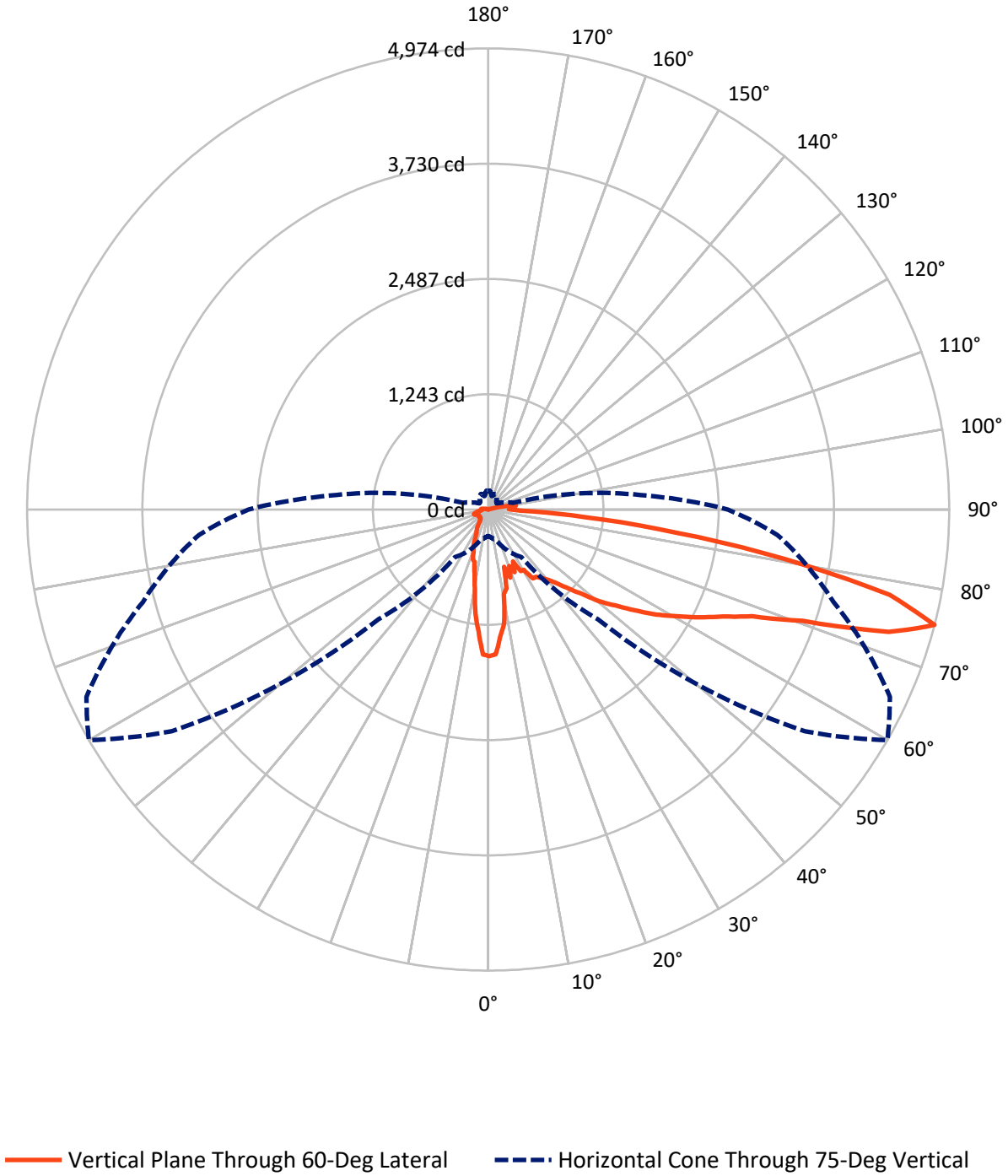
Luminous Intensity Polar Plot



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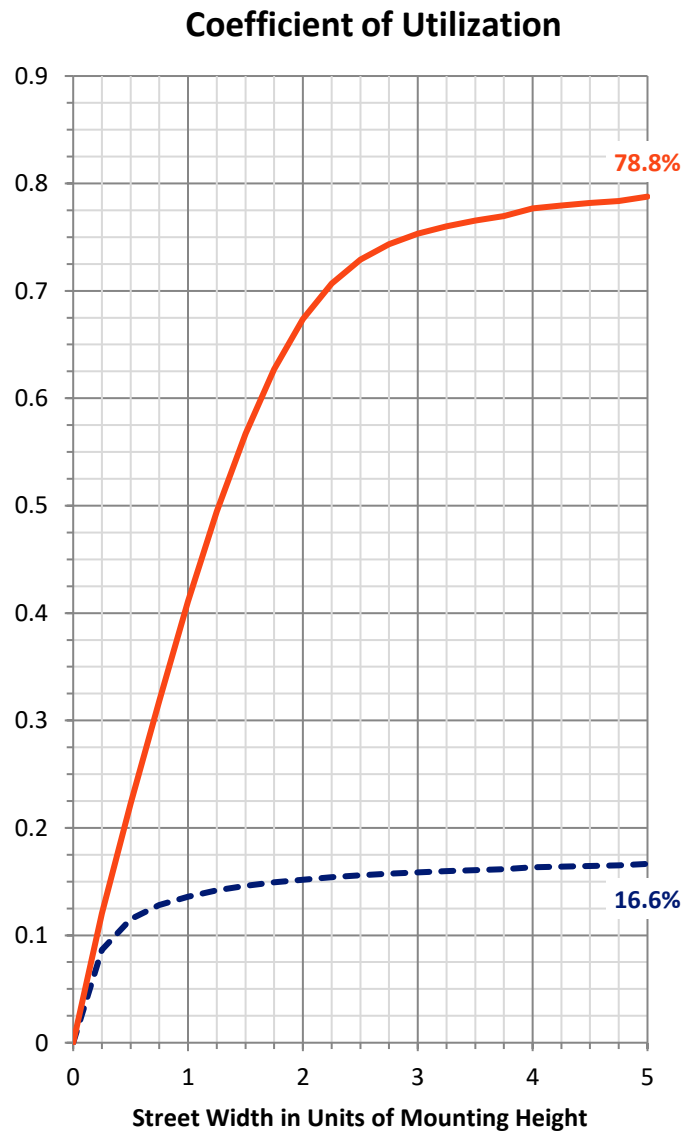
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1050.9	79.6	1130.6
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	4771.4	84.2	4855.6
	% Fixture	79.7	1.4	81.1
Total	Lumens	5822.3	163.9	5986.2
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	1.9
10°-20°	207.0	3.5
20°-30°	268.3	4.5
30°-40°	447.1	7.5
40°-50°	715.9	12.0
50°-60°	1099.1	18.4
60°-70°	1373.3	22.9
70°-80°	1252.6	20.9
80°-90°	342.8	5.7
90°-100°	115.1	1.9
100°-110°	26.2	0.4
110°-120°	8.3	0.1
120°-130°	7.7	0.1
130°-140°	3.7	0.1
140°-150°	1.5	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5822.3	97.3
0°-180°	5986.2	100.0



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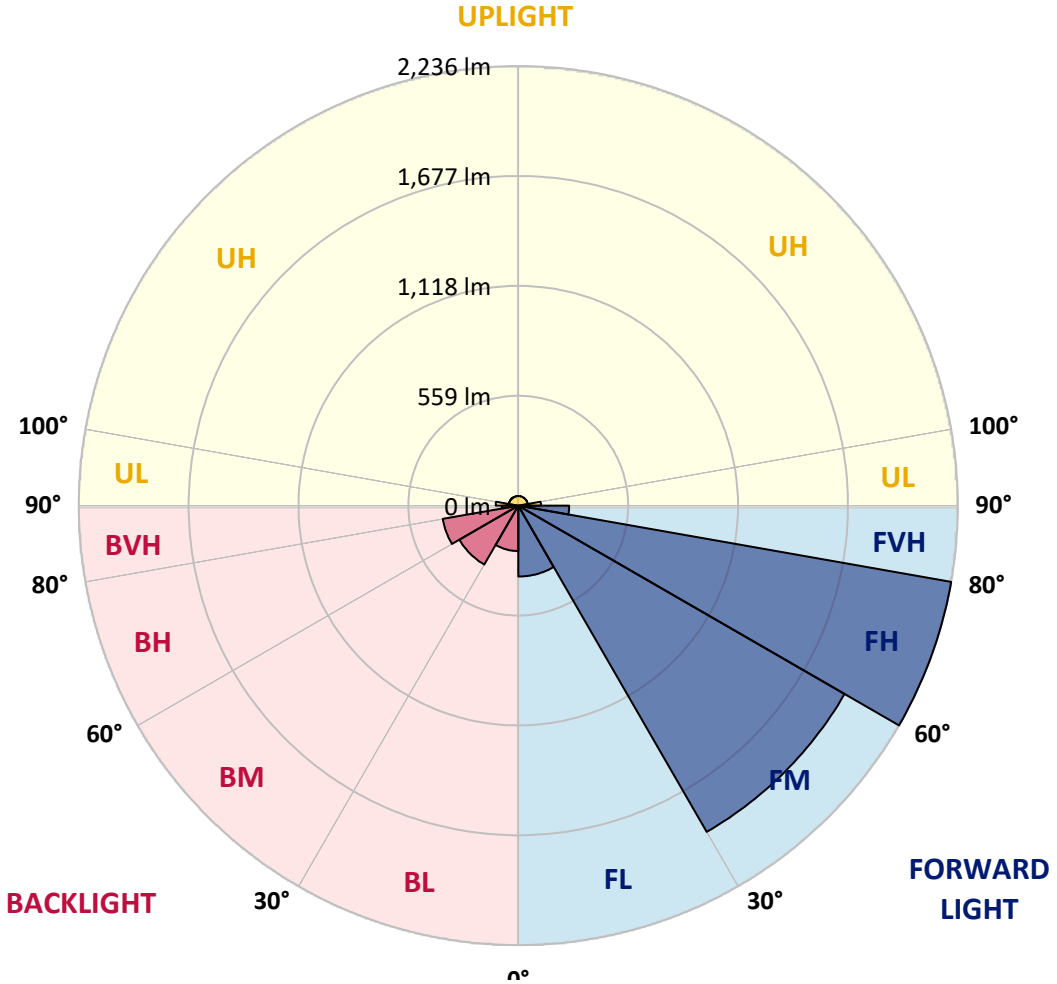
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	360.6	6.0			
FM	(30°-60°)	1916.2	32.0			
FH	(60°-80°)	2235.9	37.4			G2/5000
FVH	(80°-90°)	258.6	4.3			G3/500
BL	(0°-30°)	231.1	3.9	B1/500		
BM	(30°-60°)	345.8	5.8	B1/1000		
BH	(60°-80°)	389.9	6.5	B1/500		G1/500
BVH	(80°-90°)	84.1	1.4			G1/100
UL	(90°-100°)	115.1	1.9		U3/500	
UH	(100°-180°)	48.8	0.8		U2/50	

BUG Rating: B1-U3-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	*1580.9*	1580.9	1580.9	1580.9
2.5°	1326.4	1450.1	1438.4	1534.2	1534.2	1555.2	1564.5	*1562.2*	1571.5	1580.9	1578.6
5°	1221.3	1223.6	1233.0	1254.0	1261.0	1268.0	1291.3	*1373.1*	1510.8	1543.5	1543.5
7.5°	1008.8	1064.8	1134.9	1146.6	1188.6	1209.6	1235.3	*1240.0*	1146.6	1314.7	1331.0
10°	1022.8	1025.1	1020.5	1046.1	1015.8	1004.1	922.4	*927.0*	936.4	999.4	1125.5
12.5°	801.0	847.7	948.1	994.8	920.0	838.3	833.6	*873.3*	889.7	796.3	992.4
15°	915.4	920.0	922.4	924.7	686.5	796.3	695.9	*639.8*	716.9	903.7	1027.5
17.5°	716.9	721.6	831.3	829.0	756.6	611.8	756.6	*772.9*	742.6	768.3	859.3
20°	840.6	843.0	836.0	649.2	663.2	749.6	651.5	*649.2*	686.5	885.0	999.4
22.5°	691.2	681.9	679.5	742.6	674.9	721.6	632.8	*733.2*	796.3	789.3	754.2
25°	866.3	864.0	829.0	646.8	691.2	611.8	740.2	*621.1*	688.9	955.1	999.4
27.5°	810.3	777.6	719.2	747.2	644.5	716.9	658.5	*751.9*	793.9	980.8	1158.2
30°	1048.5	1025.1	957.4	754.2	712.2	660.8	705.2	*754.2*	903.7	1263.3	1324.0
32.5°	1384.7	1359.0	1116.2	924.7	747.2	782.3	742.6	*885.0*	997.1	1289.0	1335.7
35°	1487.5	1452.5	1333.4	1120.9	857.0	831.3	791.6	*892.0*	1011.1	1356.7	1356.7
37.5°	1545.9	1543.5	1487.5	1237.6	966.7	952.7	852.3	*936.4*	1067.2	1422.1	1408.1
40°	1555.2	1566.9	1592.6	1340.4	1097.5	1067.2	931.7	*997.1*	1146.6	1501.5	1473.5
42.5°	1632.3	1653.3	1711.7	1475.8	1228.3	1200.3	1025.1	*1085.8*	1233.0	1618.2	1611.2
45°	1756.0	1777.0	1828.4	1625.3	1342.7	1324.0	1176.9	*1214.3*	1373.1	1823.7	1758.4
47.5°	2012.9	2017.6	1996.5	1749.0	1466.5	1466.5	1324.0	*1359.0*	1499.2	2012.9	1949.8
50°	2269.8	2241.7	2148.3	1896.1	1590.2	1625.3	1475.8	*1557.5*	1641.6	2204.4	2118.0
52.5°	2412.2	2407.5	2281.4	2008.2	1697.6	1765.4	1650.9	*1721.0*	1772.4	2398.2	2276.8
55°	2416.9	2409.9	2323.5	2061.9	1798.1	1910.1	1826.1	*1917.1*	1954.5	2550.0	2493.9
57.5°	2339.8	2358.5	2314.1	2092.3	1847.1	2050.2	2038.6	*2136.6*	2155.3	2729.8	2643.4
60°	2218.4	2216.0	2269.8	2120.3	1921.8	2183.4	2234.7	*2335.1*	2435.5	2867.5	2776.5
62.5°	1914.8	1935.8	2087.6	2120.3	2003.5	2356.2	2454.2	*2559.3*	2683.1	2993.6	2895.6
65°	1499.2	1510.8	1749.0	1966.2	2026.9	2587.3	2676.1	*2781.1*	2911.9	3122.1	3028.7
67.5°	906.0	983.1	1188.6	1618.2	1907.8	2865.2	3028.7	*3073.0*	3147.8	3266.9	3224.8
70°	516.1	539.4	637.5	1018.1	1592.6	2953.9	3677.8	*3598.4*	3521.4	3549.4	3470.0
72.5°	392.3	406.3	450.7	602.5	952.7	2608.3	4224.3	*4518.5*	4186.9	3843.6	3463.0
75°	*284.9*	*298.9*	*343.3*	*485.7*	*625.8*	*1672.0*	*4168.2*	*4973.8*	*4782.4*	*3857.6*	*3131.4*
77.5°	177.5	179.8	205.5	413.3	562.8	838.3	3262.2	*4429.8*	4513.8	3603.1	2596.7
80°	123.8	126.1	130.8	221.8	518.4	672.5	2190.4	*3252.8*	3371.9	2507.9	1324.0
82.5°	88.7	93.4	98.1	130.8	336.3	642.2	1363.7	*2047.9*	1805.1	908.4	537.1
85°	46.7	51.4	63.0	79.4	135.4	698.2	817.3	*1041.5*	824.3	369.0	319.9
87.5°	18.7	16.3	14.0	21.0	37.4	268.5	317.6	*350.3*	270.9	207.8	254.5
90°	16.3	14.0	9.3	11.7	16.3	95.7	200.8	*224.2*	186.8	203.2	256.9
92.5°	16.3	14.0	9.3	9.3	16.3	95.7	240.5	*245.2*	193.8	207.8	268.5
95°	16.3	16.3	9.3	9.3	16.3	86.4	284.9	*280.2*	200.8	219.5	284.9
97.5°	16.3	16.3	7.0	9.3	16.3	58.4	294.2	*303.6*	196.2	156.5	235.8
100°	16.3	16.3	7.0	7.0	14.0	37.4	205.5	*221.8*	144.8	51.4	58.4
102.5°	16.3	16.3	7.0	7.0	9.3	25.7	91.1	*109.8*	86.4	16.3	18.7
105°	16.3	18.7	4.7	4.7	7.0	14.0	39.7	*44.4*	35.0	11.7	21.0
107.5°	18.7	21.0	4.7	4.7	4.7	7.0	14.0	*16.3*	9.3	9.3	21.0

REPORT NUMBER: P560574
CATALOG NUMBER: SDL-PA1-50-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	16.3	14.0	2.3	4.7	4.7	4.7	4.7	*4.7*	4.7	9.3	23.4
115°	9.3	7.0	2.3	4.7	4.7	4.7	2.3	*4.7*	7.0	9.3	21.0
117.5°	9.3	7.0	2.3	2.3	2.3	4.7	2.3	*2.3*	7.0	11.7	25.7
120°	7.0	7.0	2.3	2.3	2.3	2.3	2.3	*4.7*	4.7	16.3	35.0
122.5°	7.0	7.0	2.3	2.3	2.3	2.3	2.3	*4.7*	4.7	16.3	35.0
125°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	*4.7*	4.7	14.0	32.7
127.5°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	*4.7*	4.7	11.7	25.7
130°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	*4.7*	2.3	11.7	21.0
132.5°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	*2.3*	2.3	7.0	16.3
135°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	*2.3*	2.3	4.7	11.7
137.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	*2.3*	2.3	2.3	4.7
140°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	*2.3*	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	*2.3*	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.7	2.3	2.3	*2.3*	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	4.7	4.7	2.3	*2.3*	2.3	2.3	2.3
150°	4.7	4.7	9.3	7.0	4.7	2.3	2.3	*2.3*	2.3	2.3	2.3
152.5°	9.3	9.3	9.3	7.0	2.3	2.3	4.7	*7.0*	2.3	2.3	2.3
155°	7.0	7.0	7.0	2.3	2.3	2.3	2.3	*2.3*	4.7	7.0	7.0
157.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	*2.3*	2.3	2.3	2.3
160°	0.0	0.0	0.0	2.3	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

REPORT NUMBER: P560574
CATALOG NUMBER: SDL-PA1-50-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1571.5	1576.2	1571.5	1566.9	1562.2	1548.2	1452.5	1335.7	1326.4	1335.7	1331.0
5°	1531.8	1531.8	1529.5	1368.4	1272.6	1244.6	1237.6	1230.6	1216.6	1209.6	1214.3
7.5°	1321.7	1314.7	1233.0	1088.2	1179.2	1146.6	1127.9	1118.5	978.4	927.0	931.7
10°	1104.5	1104.5	917.7	866.3	861.7	875.7	971.4	964.4	945.7	934.1	945.7
12.5°	952.7	992.4	728.6	779.9	632.8	700.5	765.9	812.6	670.2	630.5	637.5
15°	1011.1	997.1	801.0	611.8	558.1	588.5	471.7	590.8	581.4	562.8	560.4
17.5°	882.7	810.3	667.8	574.4	551.1	415.7	404.0	418.0	383.0	350.3	366.6
20°	959.7	920.0	707.5	511.4	425.0	378.3	284.9	266.2	338.6	354.9	352.6
22.5°	801.0	667.8	579.1	509.1	343.3	270.9	214.8	235.8	252.2	268.5	275.5
25°	941.1	868.7	632.8	380.6	277.9	198.5	193.8	175.1	263.9	301.2	298.9
27.5°	1085.8	983.1	609.5	357.3	200.8	170.5	156.5	177.5	184.5	207.8	221.8
30°	1214.3	1090.5	705.2	331.6	168.1	128.4	140.1	144.8	179.8	193.8	193.8
32.5°	1209.6	1060.2	630.5	282.6	137.8	116.8	116.8	137.8	158.8	191.5	193.8
35°	1207.3	1036.8	562.8	219.5	121.4	102.7	107.4	130.8	158.8	177.5	179.8
37.5°	1235.3	1029.8	495.0	177.5	109.8	98.1	102.7	123.8	170.5	189.1	189.1
40°	1277.3	1034.5	427.3	151.8	105.1	95.7	98.1	130.8	154.1	170.5	170.5
42.5°	1405.8	1102.2	369.0	140.1	105.1	93.4	93.4	121.4	156.5	184.5	186.8
45°	1501.5	1155.9	324.6	140.1	102.7	88.7	98.1	121.4	137.8	203.2	217.2
47.5°	1655.6	1254.0	282.6	140.1	102.7	86.4	91.1	119.1	144.8	233.5	242.9
50°	1809.7	1352.0	263.9	140.1	102.7	84.1	102.7	114.4	144.8	242.9	249.9
52.5°	1973.2	1473.5	252.2	140.1	102.7	88.7	112.1	137.8	156.5	217.2	214.8
55°	2141.3	1580.9	245.2	144.8	102.7	88.7	121.4	128.4	133.1	168.1	172.8
57.5°	2297.8	1711.7	259.2	144.8	100.4	93.4	114.4	126.1	116.8	147.1	149.4
60°	2421.5	1830.7	294.2	140.1	98.1	93.4	116.8	137.8	130.8	161.1	165.8
62.5°	2564.0	1956.8	376.0	142.4	98.1	95.7	130.8	149.4	133.1	158.8	168.1
65°	2750.8	2148.3	467.0	156.5	100.4	100.4	133.1	161.1	133.1	156.5	156.5
67.5°	2961.0	2325.8	467.0	182.1	107.4	107.4	133.1	170.5	142.4	156.5	156.5
70°	3115.1	2335.1	385.3	200.8	116.8	114.4	137.8	177.5	144.8	172.8	170.5
72.5°	2944.6	2080.6	319.9	198.5	126.1	119.1	156.5	182.1	147.1	196.2	193.8
75°	*2585.0*	*1716.3*	*277.9*	*177.5*	*114.4*	*121.4*	*163.5*	*186.8*	*149.4*	*205.5*	*200.8*
77.5°	2038.6	1251.6	235.8	149.4	100.4	116.8	168.1	191.5	154.1	217.2	214.8
80°	987.8	628.2	191.5	126.1	91.1	112.1	168.1	189.1	151.8	224.2	224.2
82.5°	446.0	312.9	130.8	86.4	91.1	114.4	172.8	191.5	151.8	219.5	217.2
85°	289.6	214.8	84.1	67.7	91.1	130.8	175.1	182.1	144.8	203.2	203.2
87.5°	217.2	149.4	44.4	42.0	100.4	142.4	175.1	168.1	140.1	191.5	186.8
90°	221.8	158.8	46.7	42.0	107.4	144.8	175.1	165.8	135.4	172.8	172.8
92.5°	240.5	175.1	53.7	46.7	109.8	130.8	165.8	149.4	126.1	149.4	147.1
95°	261.5	196.2	63.0	53.7	95.7	95.7	130.8	121.4	107.4	114.4	114.4
97.5°	191.5	140.1	56.0	58.4	72.4	60.7	86.4	81.7	56.0	51.4	49.0
100°	56.0	46.7	51.4	56.0	51.4	44.4	65.4	63.0	37.4	18.7	18.7
102.5°	21.0	23.4	46.7	51.4	39.7	32.7	46.7	51.4	30.4	4.7	7.0
105°	18.7	16.3	32.7	39.7	23.4	18.7	23.4	32.7	18.7	4.7	4.7
107.5°	21.0	16.3	16.3	21.0	9.3	9.3	9.3	11.7	7.0	4.7	4.7

REPORT NUMBER: P560574
CATALOG NUMBER: SDL-PA1-50-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	16.3	9.3	9.3	7.0	7.0	4.7	4.7	7.0	11.7	11.7
115°	23.4	18.7	9.3	7.0	4.7	7.0	4.7	2.3	7.0	16.3	16.3
117.5°	28.0	21.0	7.0	7.0	4.7	4.7	4.7	2.3	7.0	21.0	23.4
120°	35.0	25.7	9.3	4.7	4.7	4.7	4.7	2.3	9.3	23.4	25.7
122.5°	35.0	28.0	9.3	4.7	4.7	2.3	2.3	4.7	9.3	23.4	25.7
125°	32.7	25.7	9.3	4.7	4.7	2.3	2.3	2.3	11.7	23.4	25.7
127.5°	25.7	23.4	9.3	4.7	2.3	2.3	2.3	4.7	9.3	21.0	21.0
130°	21.0	18.7	7.0	4.7	2.3	2.3	2.3	2.3	9.3	16.3	18.7
132.5°	16.3	14.0	7.0	4.7	2.3	2.3	2.3	2.3	9.3	16.3	16.3
135°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	14.0
137.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	4.7	4.7
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	4.7	4.7
155°	7.0	7.0	7.0	4.7	2.3	0.0	0.0	0.0	2.3	2.3	4.7
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	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	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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110°	21.0	21.0	4.7	4.7	4.7	7.0	4.7	*4.7*	7.0	9.3	23.4

110°	21.0	16.3	9.3	9.3	7.0	7.0	7.0	4.7	4.7	4.7	4.7

(END OF REPORT)