

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: P560499

Luminaire Tested: **SDL-PA1-50-722-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-722-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3298.7 lumens
Efficiency: N/A
Efficacy: 63.0 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 - G1

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

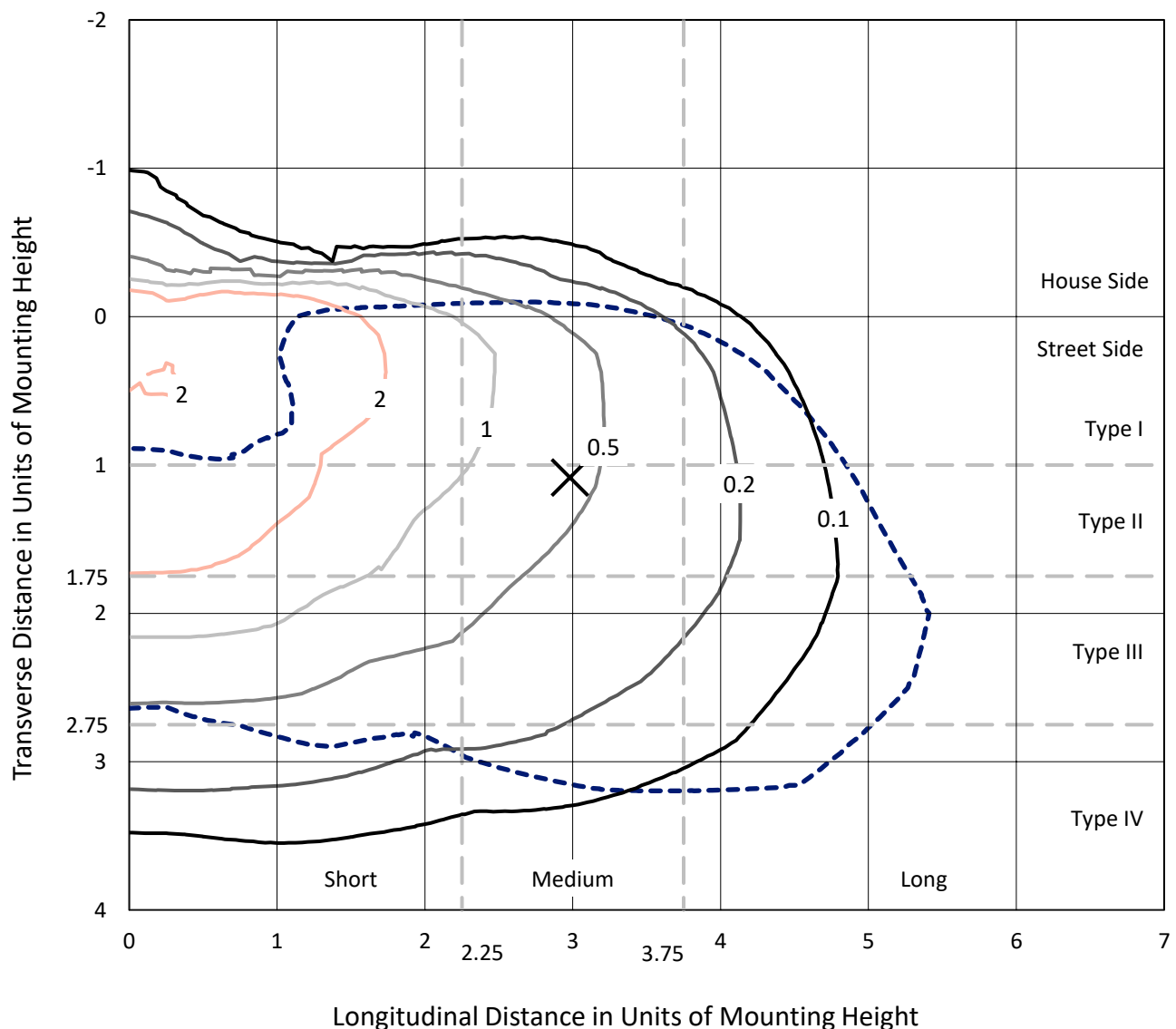


REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

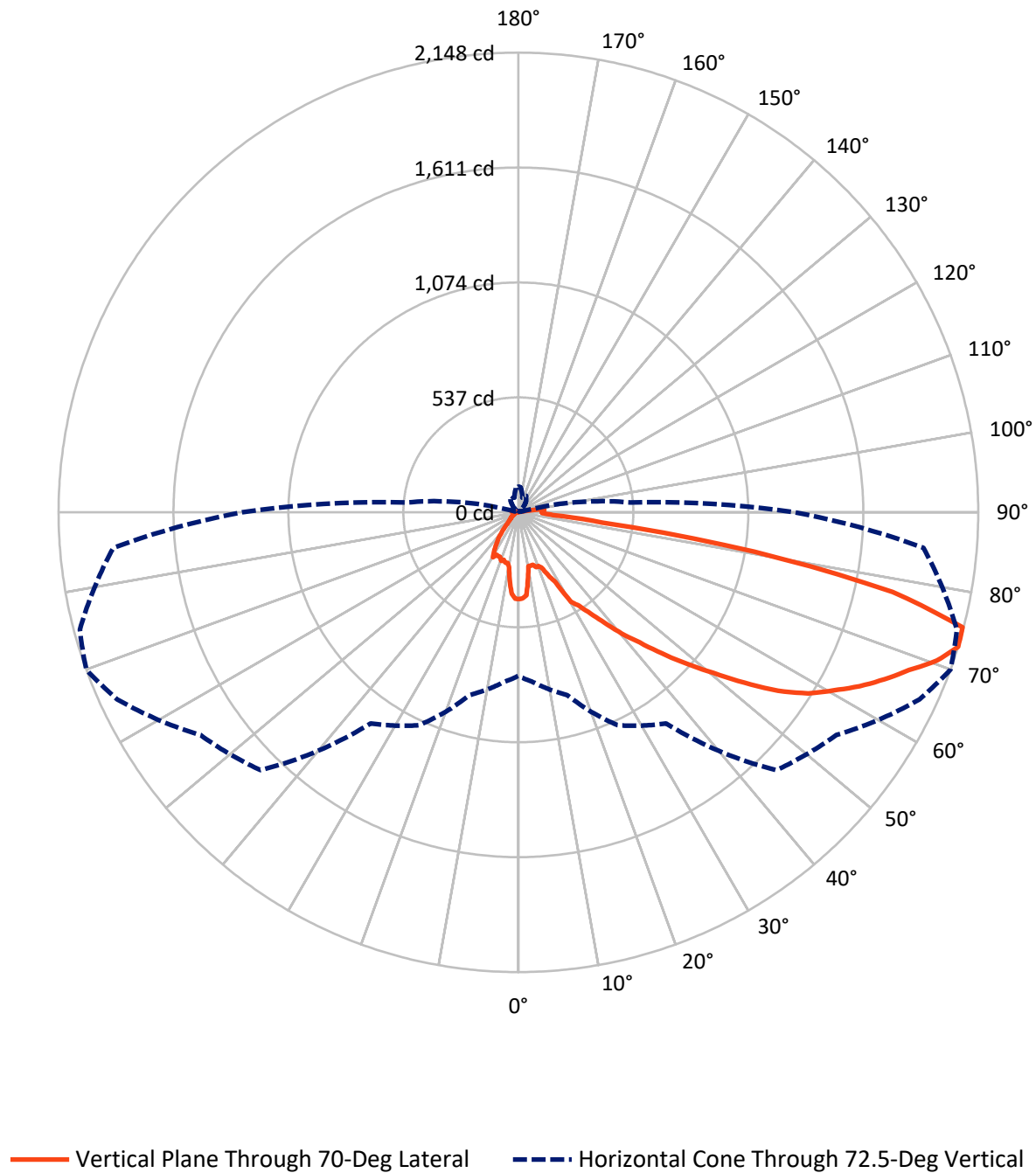


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

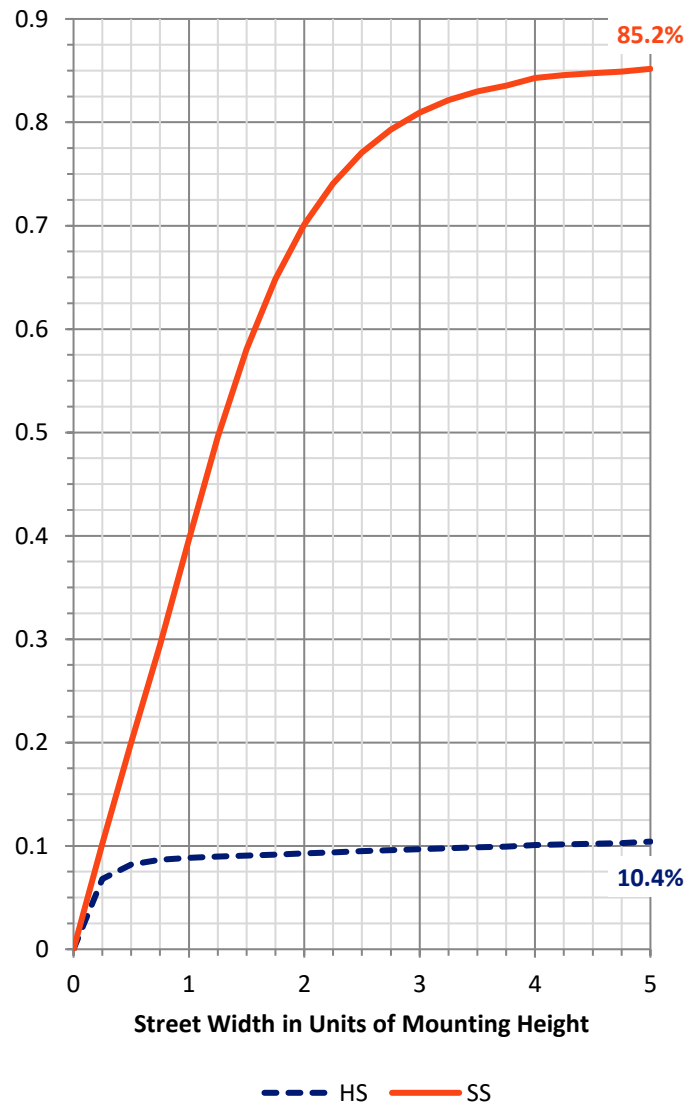
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.1	53.2	431.3
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2824.4	43.0	2867.4
	% Fixture	85.6	1.3	86.9
Total	Lumens	3202.5	96.2	3298.7
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	0.9
10°-20°	61.8	1.9
20°-30°	100.1	3.0
30°-40°	213.8	6.5
40°-50°	420.4	12.7
50°-60°	701.9	21.3
60°-70°	871.2	26.4
70°-80°	670.9	20.3
80°-90°	131.2	4.0
90°-100°	71.2	2.2
100°-110°	14.7	0.4
110°-120°	4.2	0.1
120°-130°	3.2	0.1
130°-140°	1.5	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3202.5	97.1
0°-180°	3298.7	100.0

Coefficient of Utilization



REPORT NUMBER: P560499

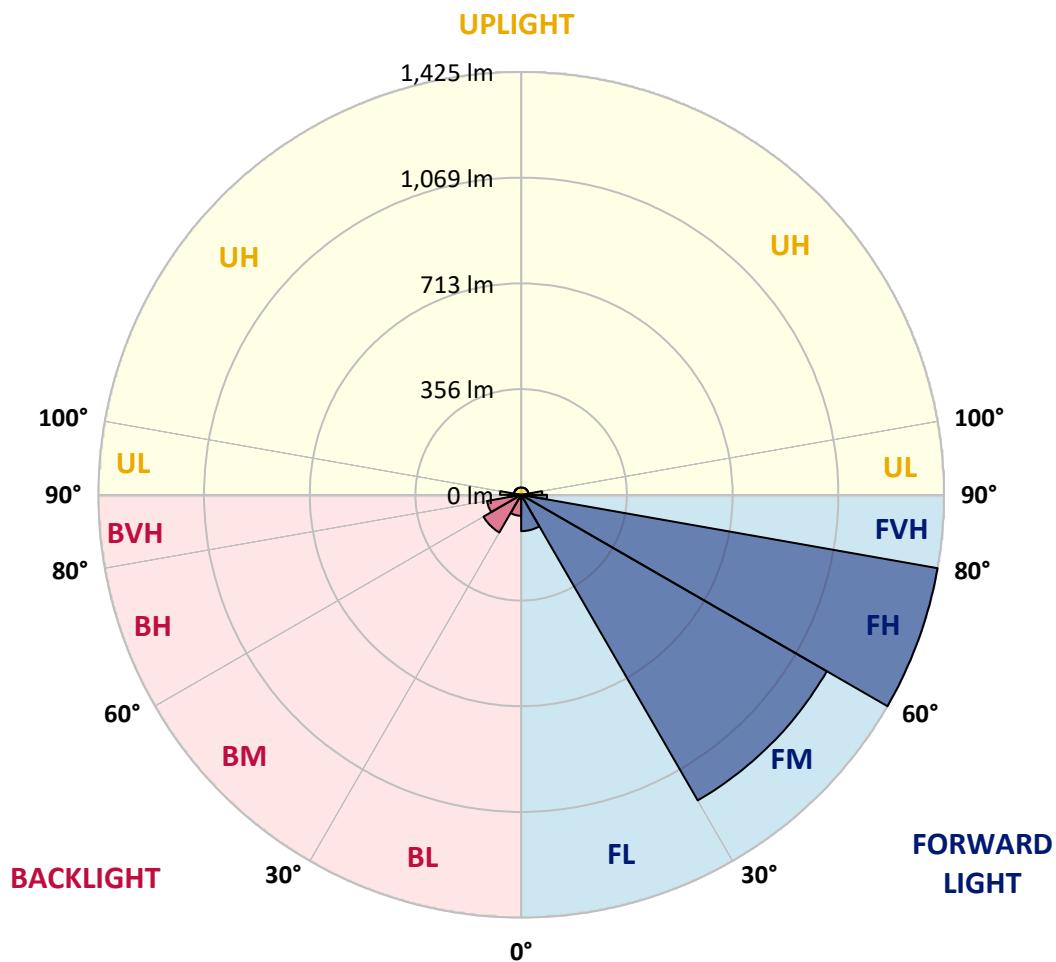
CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.4	3.7			
FM	(30°-60°)	1189.5	36.1			
FH	(60°-80°)	1425.3	43.2			G1/1800
FVH	(80°-90°)	87.3	2.6			G1/100
BL	(0°-30°)	70.7	2.1	B0/110		
BM	(30°-60°)	146.6	4.4	B0/220		
BH	(60°-80°)	116.9	3.5	B1/500		G1/500
BVH	(80°-90°)	43.9	1.3			G1/100
UL	(90°-100°)	71.2	2.2		U3/500	
UH	(100°-180°)	25.0	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2
2.5°	341.7	379.4	381.2	384.6	388.0	393.2	401.8	401.8	401.8	401.8	403.5
5°	324.5	324.5	324.5	327.9	327.9	331.4	333.1	384.6	389.7	394.9	394.9
7.5°	269.6	295.3	297.0	307.3	319.3	324.5	327.9	324.5	319.3	339.9	348.5
10°	295.3	295.3	295.3	298.7	281.6	273.0	252.4	254.1	255.8	271.3	309.0
12.5°	245.5	261.0	276.4	293.6	271.3	243.8	238.7	252.4	255.8	228.3	271.3
15°	286.7	285.0	285.0	269.6	224.9	243.8	212.9	224.9	254.1	278.1	322.8
17.5°	236.9	230.1	267.8	264.4	240.4	192.3	245.5	243.8	269.6	249.0	278.1
20°	281.6	279.9	279.9	216.3	238.7	259.3	255.8	238.7	267.8	298.7	352.0
22.5°	236.9	233.5	240.4	259.3	236.9	267.8	233.5	295.3	281.6	273.0	255.8
25°	298.7	297.0	297.0	236.9	267.8	245.5	295.3	269.6	326.2	355.4	388.0
27.5°	267.8	267.8	255.8	274.7	255.8	309.0	283.3	339.9	369.1	388.0	468.7
30°	370.9	372.6	352.0	273.0	285.0	290.2	334.8	420.6	484.2	530.5	580.3
32.5°	534.0	523.7	437.8	372.6	302.2	358.8	370.9	489.3	520.2	570.0	612.9
35°	726.3	721.1	645.6	482.5	364.0	384.6	413.8	532.2	580.3	630.1	655.9
37.5°	858.5	853.3	805.2	614.7	439.5	448.1	451.5	592.3	654.1	703.9	716.0
40°	966.6	958.0	928.8	717.7	540.8	523.7	506.5	674.7	745.1	786.3	791.5
42.5°	1129.7	1116.0	1042.2	836.1	643.8	625.0	566.6	746.9	831.0	885.9	889.4
45°	1325.5	1313.4	1210.4	1001.0	753.7	748.6	673.0	839.6	939.1	1004.4	985.5
47.5°	1459.4	1426.7	1368.4	1158.9	923.7	879.1	791.5	934.0	1055.9	1153.8	1100.5
50°	1581.3	1557.2	1507.4	1334.0	1107.4	1047.3	915.1	1042.2	1179.5	1268.8	1196.7
52.5°	1694.6	1658.5	1617.3	1464.5	1265.4	1236.2	1037.0	1150.3	1322.0	1395.8	1296.3
55°	1751.2	1694.6	1687.7	1583.0	1387.3	1363.2	1174.4	1284.2	1471.4	1522.9	1390.7
57.5°	1658.5	1656.8	1710.0	1655.1	1486.8	1474.8	1313.4	1428.5	1596.7	1620.8	1483.4
60°	1596.7	1598.4	1679.1	1682.6	1574.4	1581.3	1438.8	1595.0	1689.4	1704.9	1571.0
62.5°	1488.6	1500.6	1622.5	1701.5	1596.7	1682.6	1545.2	1710.0	1789.0	1794.2	1679.1
65°	1352.9	1364.9	1488.6	1649.9	1572.7	1749.5	1634.5	1838.8	1880.0	1883.4	1797.6
67.5°	1195.0	1200.1	1337.5	1516.0	1514.3	1773.6	1689.4	1924.7	1967.6	1977.9	1898.9
70°	1019.8	1013.0	1138.3	1344.3	1389.0	1761.5	1756.4	2008.8	2074.0	2072.3	1969.3
72.5°	764.0	796.6	884.2	1097.1	1203.6	1703.2	1813.1	2067.2	2147.9	2120.4	1898.9
75°	261.0	278.1	515.1	698.8	927.1	1546.9	1825.1	2070.6	2142.7	2020.8	1553.8
77.5°	85.8	80.7	115.0	278.1	515.1	1071.3	1605.3	1806.2	1787.3	1571.0	954.6
80°	41.2	42.9	51.5	97.9	188.9	485.9	1007.8	1143.5	1117.7	824.1	413.8
82.5°	27.5	29.2	34.3	56.7	106.4	166.5	535.7	521.9	394.9	259.3	170.0
85°	12.0	12.0	17.2	29.2	65.2	109.9	204.3	178.6	161.4	149.4	139.1
87.5°	3.4	3.4	6.9	10.3	22.3	68.7	115.0	108.2	111.6	116.7	132.2
90°	3.4	3.4	3.4	3.4	17.2	72.1	116.7	109.9	109.9	116.7	139.1
92.5°	5.2	5.2	3.4	3.4	15.5	72.1	121.9	104.7	111.6	118.5	149.4
95°	5.2	6.9	3.4	1.7	12.0	73.8	125.3	111.6	121.9	120.2	159.7
97.5°	6.9	6.9	3.4	1.7	6.9	63.5	127.1	91.0	92.7	85.8	125.3
100°	8.6	8.6	3.4	3.4	5.2	32.6	94.4	58.4	36.1	27.5	41.2
102.5°	10.3	10.3	3.4	3.4	3.4	12.0	42.9	34.3	18.9	5.2	10.3
105°	10.3	12.0	3.4	3.4	1.7	5.2	18.9	13.7	6.9	5.2	10.3
107.5°	12.0	12.0	3.4	3.4	1.7	3.4	5.2	5.2	3.4	5.2	10.3
110°	12.0	12.0	5.2	3.4	1.7	3.4	1.7	3.4	3.4	5.2	12.0

REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.6	8.6	3.4	5.2	1.7	1.7	1.7	3.4	3.4	5.2	10.3
115°	5.2	3.4	1.7	3.4	1.7	1.7	1.7	3.4	3.4	3.4	8.6
117.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.2	10.3
120°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	6.9	12.0
122.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	6.9	13.7
125°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	12.0
127.5°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	3.4	5.2	10.3
130°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	3.4	6.9
132.5°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	3.4	6.9
135°	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4
137.5°	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	3.4	3.4	1.7	1.7
155°	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	3.4	3.4
157.5°	0.0	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
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: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2
2.5°	403.5	403.5	401.8	405.2	403.5	403.5	381.2	358.8	353.7	355.4	358.8
5°	396.6	396.6	396.6	369.1	338.2	327.9	331.4	331.4	331.4	329.6	333.1
7.5°	350.2	348.5	343.4	312.5	326.2	324.5	322.8	319.3	278.1	267.8	267.8
10°	310.8	310.8	266.1	254.1	254.1	264.4	271.3	261.0	255.8	247.2	245.5
12.5°	273.0	273.0	228.3	254.1	214.6	212.9	207.7	190.6	161.4	140.8	142.5
15°	324.5	324.5	269.6	216.3	180.3	170.0	106.4	99.6	96.1	94.4	92.7
17.5°	276.4	278.1	249.0	214.6	168.3	89.3	75.5	75.5	75.5	72.1	65.2
20°	350.2	350.2	290.2	192.3	127.1	70.4	58.4	51.5	70.4	70.4	70.4
22.5°	254.1	250.7	255.8	195.7	79.0	56.7	48.1	60.1	63.5	53.2	53.2
25°	384.6	379.4	310.8	140.8	65.2	44.6	53.2	46.4	60.1	60.1	60.1
27.5°	473.9	439.5	315.9	128.8	48.1	51.5	42.9	51.5	46.4	44.6	44.6
30°	570.0	554.6	381.2	101.3	46.4	42.9	44.6	41.2	48.1	44.6	44.6
32.5°	600.9	585.5	345.1	79.0	44.6	41.2	37.8	39.5	37.8	39.5	39.5
35°	640.4	625.0	305.6	60.1	41.2	36.1	34.3	34.3	32.6	30.9	30.9
37.5°	697.1	671.3	261.0	51.5	37.8	32.6	27.5	25.8	27.5	34.3	36.1
40°	762.3	719.4	206.0	46.4	32.6	27.5	20.6	24.0	29.2	29.2	29.2
42.5°	856.7	777.8	152.8	42.9	29.2	22.3	15.5	18.9	22.3	30.9	30.9
45°	939.1	812.1	108.2	39.5	24.0	17.2	12.0	18.9	24.0	27.5	27.5
47.5°	1035.3	844.7	80.7	37.8	22.3	12.0	13.7	18.9	18.9	29.2	29.2
50°	1116.0	851.6	65.2	34.3	17.2	8.6	17.2	17.2	20.6	25.8	25.8
52.5°	1191.5	858.5	58.4	30.9	13.7	6.9	17.2	17.2	24.0	30.9	30.9
55°	1241.3	837.9	53.2	27.5	12.0	5.2	18.9	18.9	18.9	24.0	24.0
57.5°	1280.8	812.1	49.8	24.0	10.3	10.3	20.6	24.0	20.6	24.0	24.0
60°	1306.6	765.7	42.9	22.3	8.6	10.3	25.8	30.9	24.0	36.1	36.1
62.5°	1352.9	729.7	37.8	20.6	6.9	10.3	25.8	39.5	30.9	48.1	49.8
65°	1390.7	697.1	32.6	15.5	6.9	13.7	29.2	49.8	37.8	60.1	61.8
67.5°	1406.1	657.6	27.5	13.7	6.9	15.5	37.8	61.8	48.1	70.4	70.4
70°	1394.1	616.4	22.3	13.7	6.9	24.0	49.8	72.1	58.4	85.8	87.6
72.5°	1289.4	525.4	17.2	13.7	5.2	25.8	61.8	85.8	70.4	116.7	120.2
75°	987.2	333.1	17.2	13.7	6.9	29.2	72.1	99.6	84.1	130.5	135.6
77.5°	602.6	154.5	17.2	15.5	8.6	36.1	79.0	115.0	92.7	140.8	144.2
80°	267.8	96.1	17.2	17.2	17.2	44.6	92.7	127.1	104.7	149.4	154.5
82.5°	133.9	72.1	15.5	17.2	25.8	53.2	109.9	135.6	108.2	154.5	156.2
85°	115.0	65.2	15.5	18.9	27.5	61.8	118.5	137.4	113.3	152.8	154.5
87.5°	109.9	61.8	18.9	18.9	30.9	65.2	121.9	144.2	116.7	147.7	145.9
90°	115.0	60.1	20.6	22.3	39.5	67.0	123.6	140.8	116.7	139.1	139.1
92.5°	118.5	58.4	22.3	25.8	48.1	75.5	121.9	137.4	116.7	128.8	128.8
95°	121.9	58.4	25.8	29.2	48.1	82.4	116.7	125.3	108.2	115.0	113.3
97.5°	92.7	42.9	30.9	32.6	44.6	63.5	94.4	97.9	70.4	68.7	67.0
100°	32.6	18.9	30.9	36.1	27.5	27.5	56.7	68.7	41.2	25.8	29.2
102.5°	10.3	8.6	27.5	36.1	22.3	10.3	29.2	42.9	30.9	3.4	3.4
105°	10.3	10.3	15.5	29.2	15.5	3.4	10.3	24.0	18.9	3.4	3.4
107.5°	10.3	8.6	6.9	17.2	5.2	3.4	5.2	5.2	5.2	1.7	3.4
110°	12.0	8.6	3.4	5.2	3.4	3.4	3.4	3.4	3.4	6.9	6.9

REPORT NUMBER: P560499

CATALOG NUMBER: SDL-PA1-50-722-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	8.6	3.4	5.2	3.4	3.4	3.4	1.7	3.4	8.6	10.3
115°	10.3	8.6	3.4	3.4	3.4	3.4	1.7	1.7	3.4	10.3	10.3
117.5°	12.0	10.3	3.4	3.4	1.7	3.4	1.7	1.7	3.4	10.3	12.0
120°	13.7	12.0	3.4	3.4	1.7	1.7	1.7	1.7	3.4	8.6	10.3
122.5°	13.7	13.7	3.4	1.7	1.7	1.7	1.7	1.7	5.2	8.6	8.6
125°	12.0	12.0	3.4	1.7	1.7	1.7	1.7	1.7	5.2	8.6	8.6
127.5°	10.3	10.3	3.4	1.7	1.7	1.7	1.7	1.7	3.4	6.9	8.6
130°	8.6	8.6	3.4	1.7	1.7	1.7	0.0	1.7	3.4	6.9	6.9
132.5°	6.9	5.2	3.4	1.7	1.7	1.7	0.0	1.7	3.4	5.2	6.9
135°	5.2	5.2	1.7	1.7	1.7	1.7	0.0	0.0	3.4	3.4	5.2
137.5°	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	3.4	3.4
140°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7
155°	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)