

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: P560314

Luminaire Tested: **SDL-PA1-40-722-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-722-U-T2R-A
Description: Springdale
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2988.2 lumens
Efficiency: N/A
Efficacy: 75.8 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 - U2 - G1

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



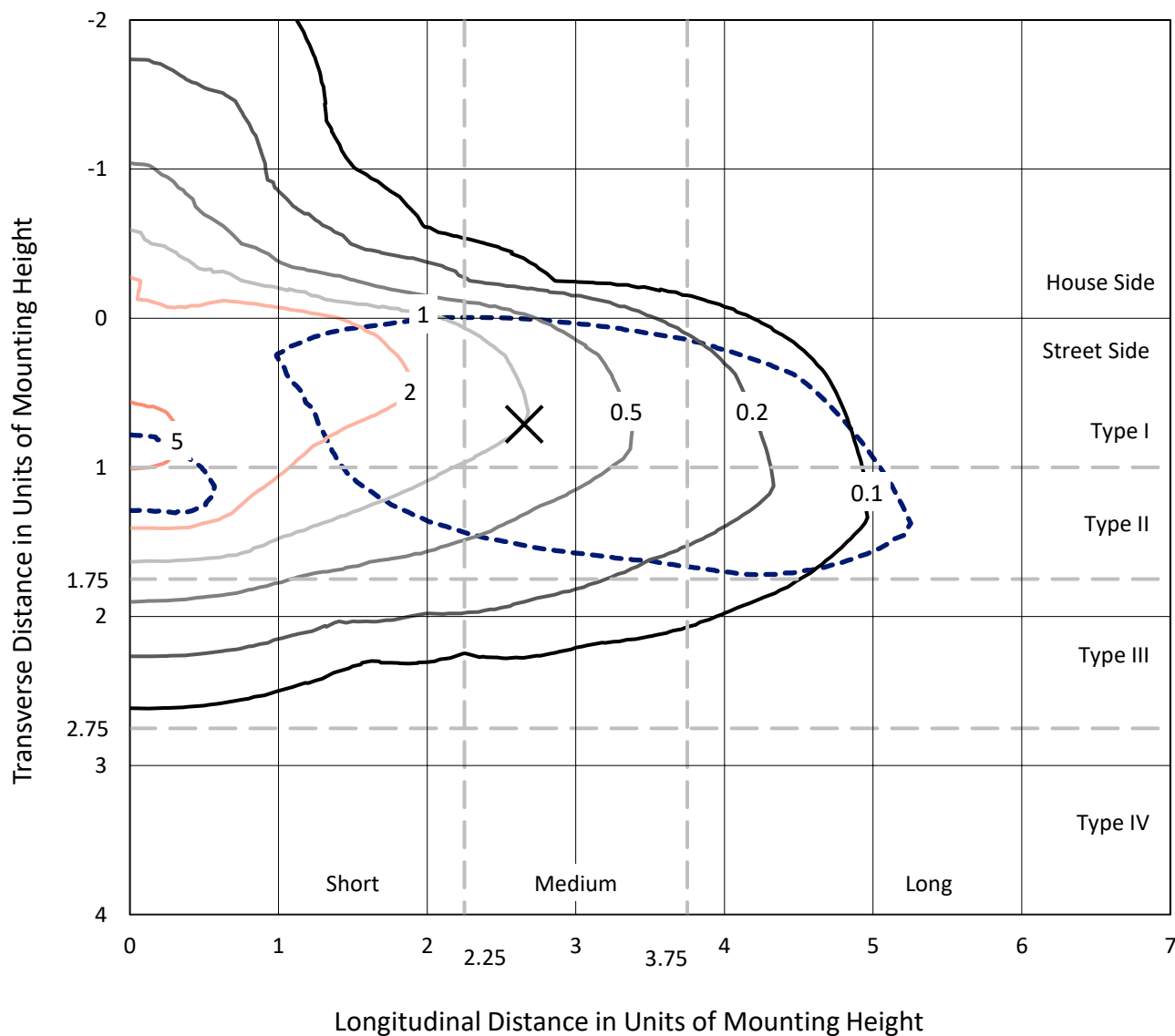
REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

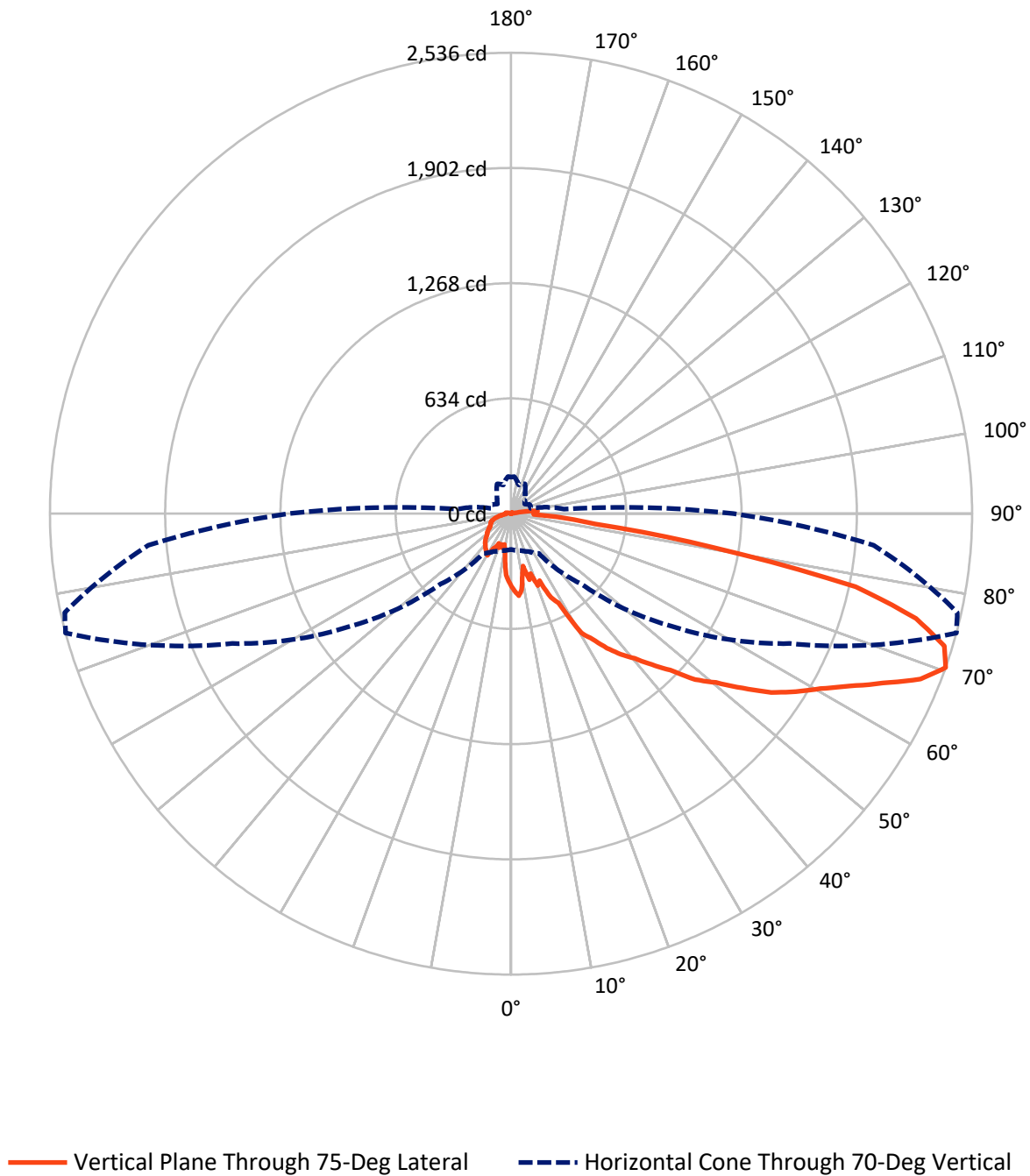


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

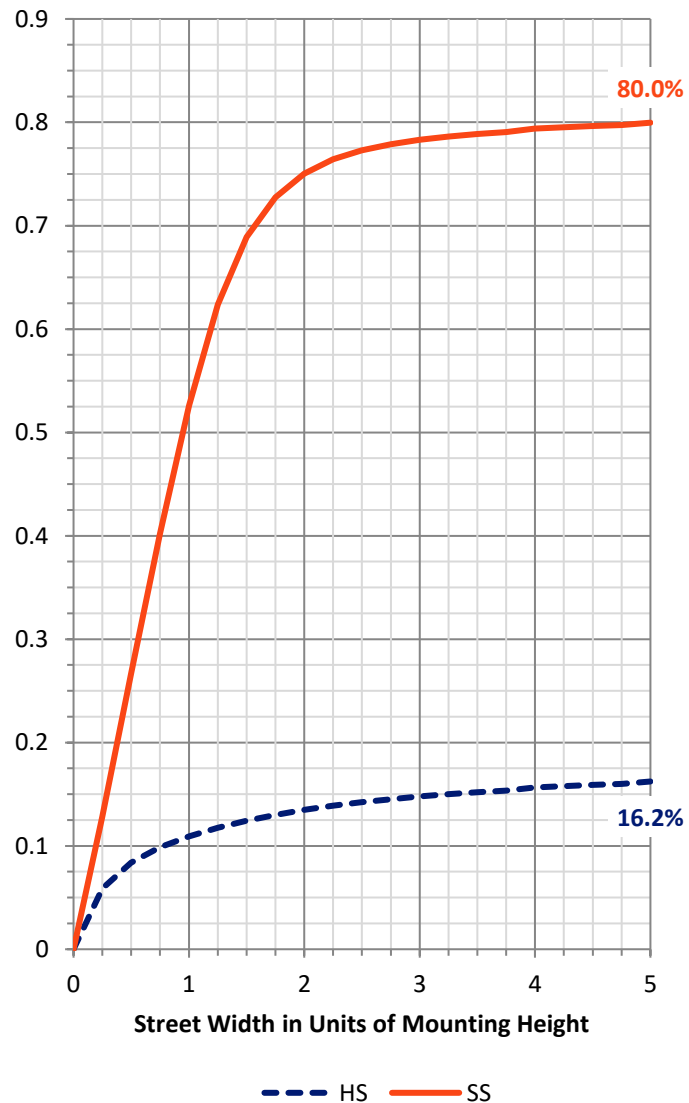
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.8	30.5	541.4
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2408.2	38.6	2446.8
	% Fixture	80.6	1.3	81.9
Total	Lumens	2919.0	69.2	2988.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.1
10°-20°	87.2	2.9
20°-30°	157.4	5.3
30°-40°	321.5	10.8
40°-50°	504.9	16.9
50°-60°	620.0	20.7
60°-70°	616.7	20.6
70°-80°	456.1	15.3
80°-90°	121.8	4.1
90°-100°	45.0	1.5
100°-110°	10.5	0.4
110°-120°	5.0	0.2
120°-130°	4.4	0.1
130°-140°	2.2	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2919.0	97.7
0°-180°	2988.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560314

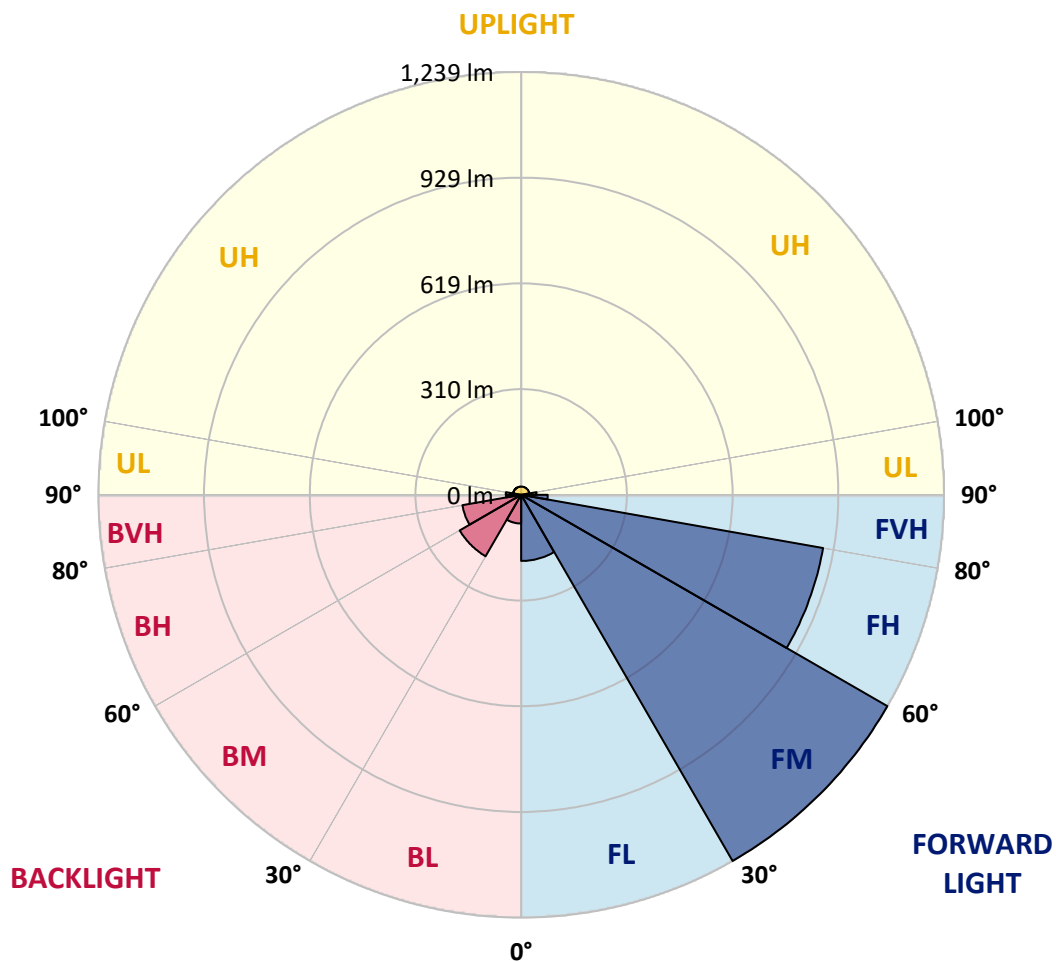
CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.7	6.5			
FM	(30°-60°)	1238.7	41.5			
FH	(60°-80°)	898.0	30.1			G1/1800
FVH	(80°-90°)	77.8	2.6			G1/100
BL	(0°-30°)	84.2	2.8	B0/110		
BM	(30°-60°)	207.8	7.0	B0/220		
BH	(60°-80°)	174.7	5.8	B1/500		G1/500
BVH	(80°-90°)	44.1	1.5			G1/100
UL	(90°-100°)	45.0	1.5		U2/50	
UH	(100°-180°)	24.1	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium



REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5
2.5°	415.7	439.1	449.6	461.3	471.8	465.9	456.6	442.6	429.7	425.1	411.0
5°	458.9	456.6	455.4	451.9	446.1	435.6	422.7	472.9	453.1	444.9	421.6
7.5°	404.0	468.3	475.3	482.3	479.9	467.1	450.7	405.2	422.7	412.2	383.0
10°	494.0	494.0	491.6	494.0	467.1	446.1	381.9	355.0	342.1	370.2	343.3
12.5°	420.4	457.8	504.5	513.8	472.9	414.5	387.7	374.8	295.4	291.9	313.0
15°	489.3	495.1	496.3	498.6	402.9	434.4	358.5	332.8	377.2	366.7	370.2
17.5°	393.5	399.4	475.3	470.6	433.2	346.8	419.2	376.0	346.8	334.0	329.3
20°	495.1	496.3	492.8	398.2	418.1	453.1	392.4	380.7	422.7	421.6	404.0
22.5°	421.6	422.7	435.6	479.9	432.1	457.8	394.7	475.3	400.5	401.7	311.8
25°	564.0	565.2	553.5	427.4	485.8	429.7	478.8	427.4	511.5	495.1	456.6
27.5°	592.0	548.8	504.5	530.2	463.6	533.7	455.4	517.3	555.8	552.3	558.2
30°	750.9	753.2	722.8	580.4	543.0	526.7	525.5	614.2	761.4	767.2	670.3
32.5°	1017.1	1003.1	853.6	715.8	585.0	642.3	589.7	711.2	823.3	819.8	718.2
35°	1138.6	1124.5	1068.5	884.0	676.1	693.6	665.6	756.7	908.5	881.6	766.0
37.5°	1241.3	1239.0	1192.3	973.9	768.4	794.1	711.2	812.7	982.1	954.0	815.1
40°	1330.1	1321.9	1281.0	1054.5	863.0	864.1	768.4	880.5	1047.5	1054.5	863.0
42.5°	1403.6	1396.6	1362.8	1135.0	919.0	926.0	829.1	949.4	1135.0	1147.9	937.7
45°	1434.0	1437.5	1414.1	1207.4	969.2	982.1	901.5	1019.4	1228.5	1239.0	1004.3
47.5°	1456.2	1457.3	1451.5	1267.0	1022.9	1028.8	972.7	1082.5	1363.9	1342.9	1082.5
50°	1406.0	1401.3	1407.1	1312.5	1069.7	1076.7	1032.3	1147.9	1460.8	1434.0	1164.2
52.5°	1274.0	1279.8	1340.6	1289.2	1084.8	1098.8	1088.3	1205.1	1595.1	1574.1	1281.0
55°	942.4	968.1	1143.2	1193.4	1083.7	1108.2	1139.7	1313.7	1736.4	1704.9	1380.3
57.5°	762.5	762.5	865.3	1030.0	1024.1	1102.4	1192.3	1387.3	1848.5	1826.4	1479.5
60°	611.9	611.9	667.9	817.4	908.5	1073.2	1246.0	1495.9	1954.8	1942.0	1567.1
62.5°	479.9	478.8	525.5	609.6	745.0	1008.9	1274.0	1589.3	2087.9	2085.6	1707.2
65°	346.8	351.5	391.2	443.7	585.0	888.7	1272.8	1673.4	2247.9	2254.9	1864.9
67.5°	256.9	259.2	281.4	320.0	401.7	736.8	1216.8	1731.8	2428.9	2417.2	1965.3
70°	197.3	200.9	210.2	230.0	267.4	547.7	1081.3	1690.9	2536.3	2514.2	2002.7
72.5°	165.8	167.0	165.8	176.3	178.7	371.3	866.5	1535.6	2492.0	2456.9	1899.9
75°	141.3	140.1	139.0	141.3	132.0	245.2	621.2	1299.7	2300.5	2239.7	1678.0
77.5°	121.4	120.3	115.6	116.8	105.1	181.0	423.9	1019.4	1938.5	1796.0	1261.2
80°	100.4	100.4	96.9	96.9	88.7	137.8	270.9	703.0	1129.2	1015.9	656.3
82.5°	78.2	77.1	77.1	79.4	75.9	107.4	177.5	350.3	465.9	436.7	307.1
85°	42.0	42.0	47.9	53.7	52.5	65.4	135.5	206.7	275.6	266.2	171.7
87.5°	12.8	12.8	14.0	17.5	18.7	35.0	85.2	100.4	124.9	137.8	135.5
90°	14.0	12.8	9.3	10.5	11.7	25.7	79.4	96.9	126.1	140.1	143.6
92.5°	16.3	15.2	9.3	9.3	11.7	21.0	75.9	94.6	137.8	151.8	155.3
95°	17.5	16.3	9.3	9.3	11.7	18.7	67.7	93.4	147.1	165.8	165.8
97.5°	16.3	15.2	7.0	8.2	10.5	16.3	52.5	77.1	102.8	113.3	130.8
100°	14.0	14.0	4.7	7.0	9.3	11.7	30.4	42.0	30.4	29.2	29.2
102.5°	12.8	12.8	4.7	5.8	7.0	8.2	14.0	22.2	7.0	8.2	10.5
105°	12.8	14.0	3.5	4.7	4.7	4.7	7.0	11.7	5.8	7.0	10.5
107.5°	12.8	14.0	3.5	3.5	4.7	3.5	3.5	4.7	5.8	7.0	11.7
110°	11.7	11.7	2.3	3.5	3.5	3.5	2.3	3.5	5.8	8.2	11.7

REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	8.2	8.2	2.3	3.5	3.5	3.5	2.3	3.5	5.8	8.2	11.7
115°	5.8	4.7	2.3	3.5	2.3	3.5	2.3	3.5	5.8	8.2	10.5
117.5°	4.7	3.5	2.3	2.3	2.3	2.3	1.2	3.5	7.0	9.3	12.8
120°	4.7	4.7	2.3	2.3	2.3	2.3	1.2	3.5	10.5	11.7	16.3
122.5°	4.7	4.7	2.3	2.3	2.3	2.3	1.2	2.3	9.3	12.8	17.5
125°	4.7	4.7	2.3	2.3	2.3	2.3	1.2	2.3	8.2	11.7	15.2
127.5°	4.7	4.7	2.3	1.2	2.3	2.3	2.3	2.3	7.0	9.3	12.8
130°	4.7	4.7	2.3	1.2	2.3	2.3	2.3	2.3	5.8	7.0	10.5
132.5°	3.5	3.5	2.3	1.2	2.3	1.2	1.2	2.3	4.7	5.8	8.2
135°	2.3	2.3	2.3	1.2	2.3	1.2	1.2	1.2	2.3	3.5	5.8
137.5°	1.2	2.3	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	2.3
140°	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	3.5	2.3	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	4.7	3.5	2.3	1.2	1.2	1.2	1.2	1.2
150°	5.8	5.8	5.8	4.7	3.5	2.3	3.5	1.2	1.2	1.2	1.2
152.5°	5.8	5.8	7.0	3.5	2.3	1.2	1.2	4.7	3.5	2.3	2.3
155°	4.7	3.5	3.5	1.2	1.2	1.2	1.2	1.2	3.5	4.7	4.7
157.5°	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	2.3	1.2	1.2
160°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5
2.5°	402.9	393.5	371.3	355.0	335.1	317.6	302.4	268.6	262.7	259.2	258.1
5°	402.9	383.0	339.8	287.3	246.4	237.1	232.4	232.4	230.0	231.2	232.4
7.5°	357.3	330.5	265.1	224.2	231.2	231.2	232.4	226.5	207.9	210.2	206.7
10°	313.0	279.1	199.7	182.2	199.7	200.9	227.7	238.2	241.7	242.9	242.9
12.5°	288.4	240.6	172.8	178.7	161.1	184.5	217.2	242.9	220.7	209.0	209.0
15°	331.6	284.9	193.8	156.5	158.8	184.5	164.7	230.0	238.2	240.6	240.6
17.5°	297.8	251.1	177.5	161.1	177.5	151.8	185.7	211.4	202.0	191.5	190.3
20°	357.3	296.6	198.5	157.6	156.5	179.8	164.7	172.8	216.0	217.2	216.0
22.5°	277.9	237.1	176.3	178.7	156.5	171.7	162.3	178.7	170.5	169.3	170.5
25°	385.4	307.1	203.2	154.1	163.5	151.8	163.5	150.6	181.0	183.3	184.5
27.5°	471.8	366.7	216.0	167.0	142.5	155.3	146.0	150.6	140.1	146.0	148.3
30°	561.7	427.4	263.9	184.5	150.6	133.1	135.5	134.3	151.8	150.6	148.3
32.5°	590.9	435.6	252.2	192.7	149.5	134.3	123.8	132.0	144.8	155.3	156.5
35°	620.1	441.4	242.9	184.5	146.0	126.1	121.4	135.5	146.0	147.1	150.6
37.5°	653.9	446.1	233.5	172.8	135.5	123.8	120.3	126.1	149.5	147.1	143.6
40°	685.5	448.4	221.9	162.3	123.8	121.4	112.1	126.1	132.0	136.6	139.0
42.5°	741.5	462.4	212.5	153.0	115.6	115.6	107.4	117.9	135.5	137.8	136.6
45°	782.4	457.8	199.7	144.8	107.4	102.8	105.1	128.5	136.6	150.6	148.3
47.5°	840.8	469.4	184.5	132.0	100.4	94.6	99.3	124.9	140.1	150.6	153.0
50°	898.0	467.1	171.7	121.4	95.8	89.9	109.8	121.4	137.8	155.3	155.3
52.5°	972.7	470.6	165.8	112.1	89.9	89.9	113.3	122.6	141.3	153.0	153.0
55°	1039.3	457.8	151.8	108.6	88.7	86.4	114.4	127.3	142.5	153.0	154.1
57.5°	1088.3	432.1	141.3	105.1	87.6	88.7	114.4	137.8	133.1	153.0	156.5
60°	1142.1	404.0	132.0	105.1	87.6	92.3	117.9	146.0	146.0	160.0	160.0
62.5°	1215.6	386.5	127.3	106.3	85.2	95.8	128.5	158.8	147.1	169.3	170.5
65°	1277.5	363.2	123.8	110.9	86.4	100.4	134.3	169.3	154.1	179.8	178.7
67.5°	1278.7	328.1	119.1	115.6	87.6	103.9	134.3	176.3	162.3	189.2	185.7
70°	1222.6	293.1	112.1	115.6	91.1	107.4	134.3	181.0	163.5	204.4	200.9
72.5°	1102.4	239.4	101.6	110.9	96.9	112.1	141.3	179.8	163.5	220.7	217.2
75°	937.7	191.5	87.6	101.6	96.9	117.9	146.0	178.7	157.6	210.2	203.2
77.5°	713.5	156.5	73.6	88.7	92.3	120.3	146.0	176.3	153.0	196.2	191.5
80°	367.8	109.8	59.6	75.9	86.4	117.9	144.8	167.0	136.6	174.0	171.7
82.5°	202.0	80.6	47.9	56.1	72.4	110.9	140.1	150.6	120.3	142.5	136.6
85°	130.8	58.4	38.5	45.5	60.7	92.3	117.9	119.1	85.2	102.8	96.9
87.5°	98.1	33.9	24.5	28.0	42.0	51.4	74.7	77.1	53.7	63.1	59.6
90°	102.8	33.9	25.7	29.2	37.4	38.5	54.9	58.4	42.0	47.9	47.9
92.5°	109.8	33.9	26.9	30.4	33.9	30.4	43.2	47.9	35.0	38.5	37.4
95°	112.1	32.7	29.2	31.5	30.4	24.5	35.0	38.5	29.2	29.2	29.2
97.5°	81.7	23.4	29.2	31.5	28.0	19.9	26.9	30.4	18.7	15.2	15.2
100°	22.2	11.7	28.0	30.4	24.5	16.3	23.4	23.4	11.7	8.2	8.2
102.5°	9.3	9.3	24.5	26.9	18.7	10.5	16.3	16.3	8.2	3.5	3.5
105°	9.3	7.0	17.5	19.9	12.8	5.8	8.2	9.3	5.8	3.5	3.5
107.5°	9.3	7.0	8.2	10.5	5.8	4.7	4.7	4.7	3.5	3.5	3.5
110°	10.5	7.0	4.7	5.8	4.7	3.5	3.5	3.5	3.5	4.7	5.8

REPORT NUMBER: P560314

CATALOG NUMBER: SDL-PA1-40-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	8.2	4.7	5.8	4.7	3.5	3.5	3.5	4.7	10.5	10.5
115°	10.5	7.0	4.7	4.7	3.5	3.5	2.3	2.3	4.7	12.8	12.8
117.5°	11.7	8.2	4.7	4.7	3.5	2.3	2.3	2.3	5.8	15.2	15.2
120°	14.0	9.3	4.7	3.5	2.3	2.3	2.3	2.3	7.0	16.3	16.3
122.5°	15.2	10.5	4.7	3.5	2.3	1.2	2.3	3.5	8.2	16.3	16.3
125°	12.8	9.3	4.7	3.5	2.3	1.2	2.3	3.5	8.2	15.2	16.3
127.5°	11.7	8.2	4.7	2.3	2.3	1.2	1.2	3.5	7.0	11.7	14.0
130°	9.3	7.0	3.5	2.3	2.3	1.2	1.2	2.3	7.0	10.5	12.8
132.5°	8.2	5.8	3.5	2.3	2.3	1.2	1.2	2.3	7.0	9.3	9.3
135°	5.8	4.7	2.3	2.3	2.3	1.2	2.3	1.2	4.7	8.2	8.2
137.5°	3.5	2.3	2.3	2.3	2.3	1.2	1.2	1.2	3.5	4.7	4.7
140°	1.2	1.2	2.3	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3
142.5°	1.2	1.2	2.3	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3
145°	1.2	1.2	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3
147.5°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3
150°	1.2	1.2	1.2	2.3	2.3	1.2	1.2	2.3	2.3	2.3	2.3
152.5°	1.2	1.2	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3	2.3
155°	3.5	3.5	2.3	2.3	1.2	1.2	0.0	1.2	2.3	2.3	2.3
157.5°	1.2	1.2	2.3	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
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)