

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: P561022

Luminaire Tested: **SDL-PA1-80-722-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-722-U-T2U-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6519.6 lumens
Efficiency: N/A
Efficacy: 79.5 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: B2 - U3 - G2

Input Watts (W): 82
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



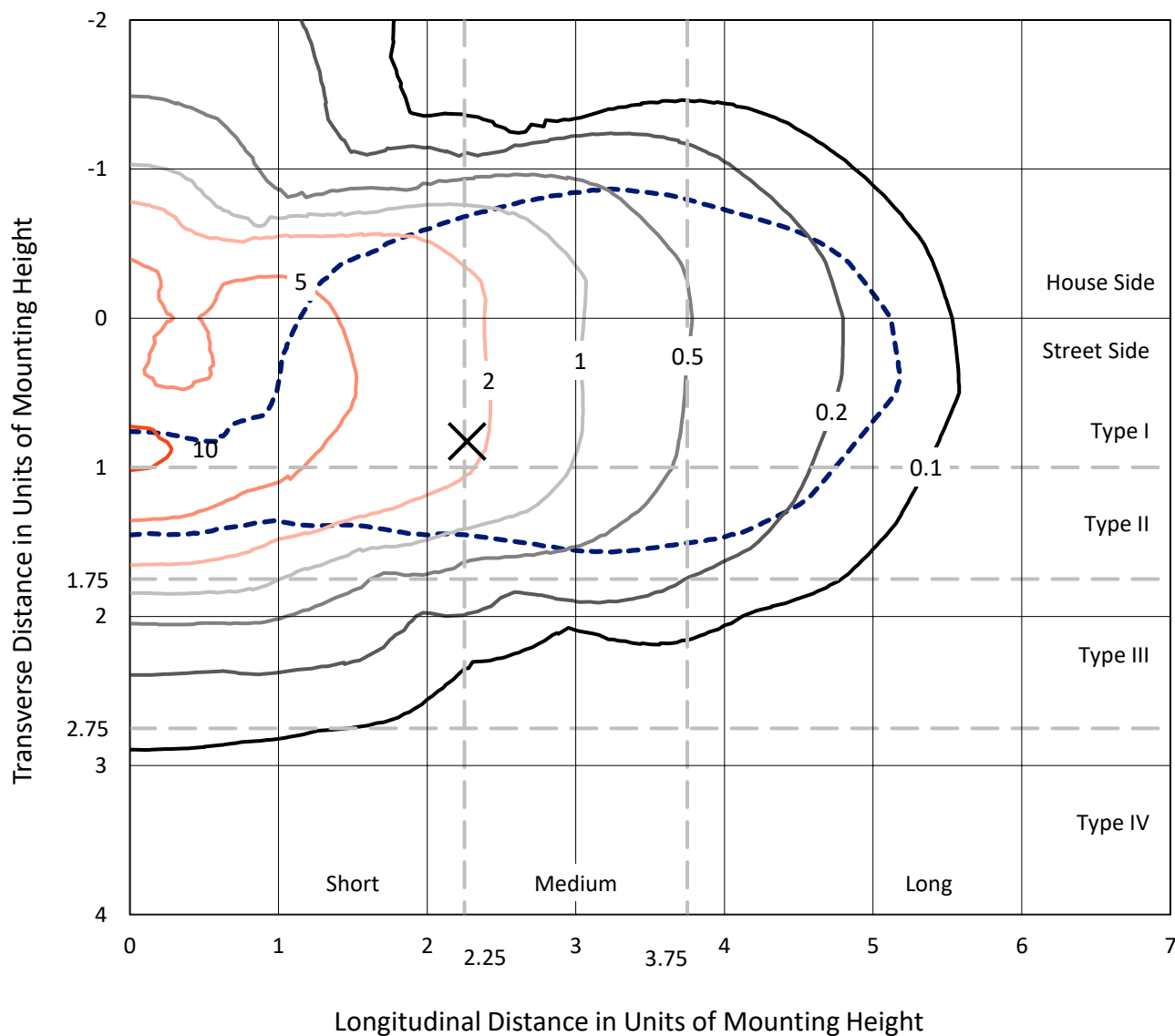
REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

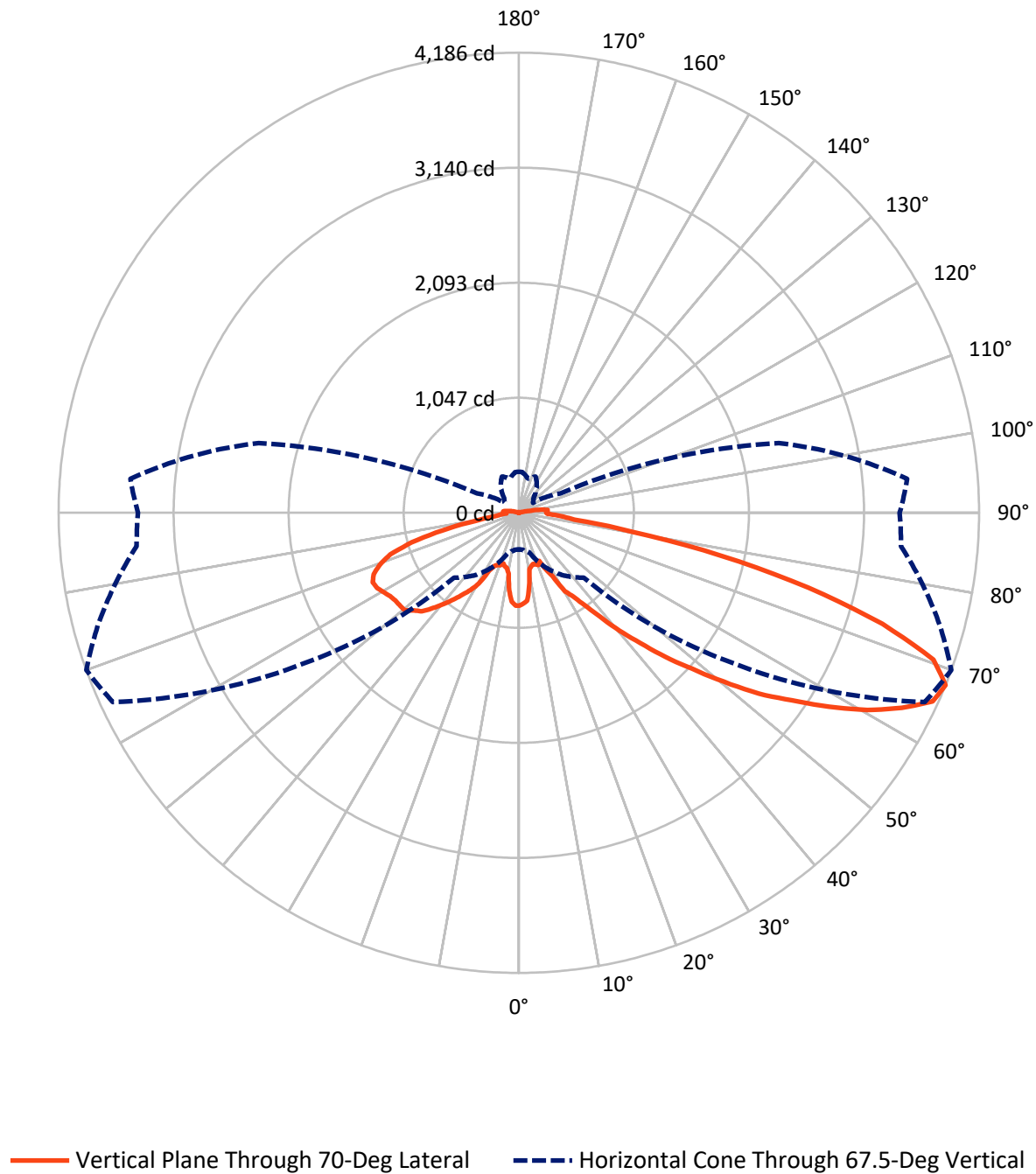


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

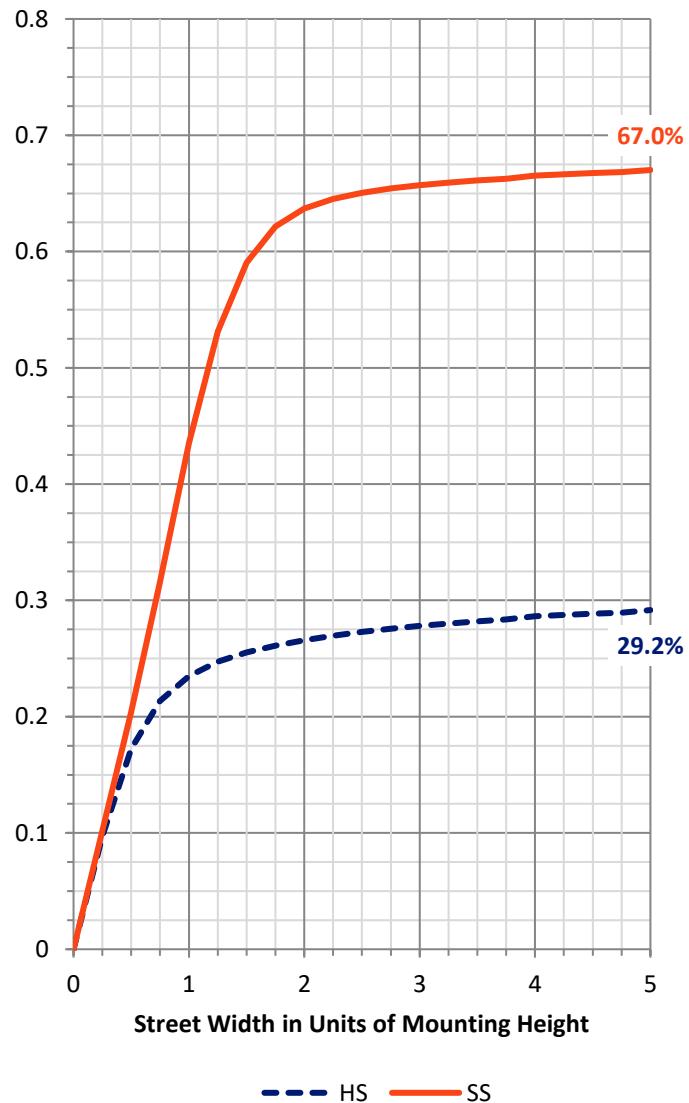
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1960.9	76.9	2037.8
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4407.4	74.4	4481.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	6368.3	151.3	6519.6
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.0
10°-20°	156.4	2.4
20°-30°	277.5	4.3
30°-40°	584.7	9.0
40°-50°	1093.1	16.8
50°-60°	1513.9	23.2
60°-70°	1459.7	22.4
70°-80°	959.7	14.7
80°-90°	255.8	3.9
90°-100°	104.9	1.6
100°-110°	22.9	0.4
110°-120°	9.9	0.2
120°-130°	7.1	0.1
130°-140°	3.2	0.0
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6368.3	97.7
0°-180°	6519.6	100.0

Coefficient of Utilization



REPORT NUMBER: P561022

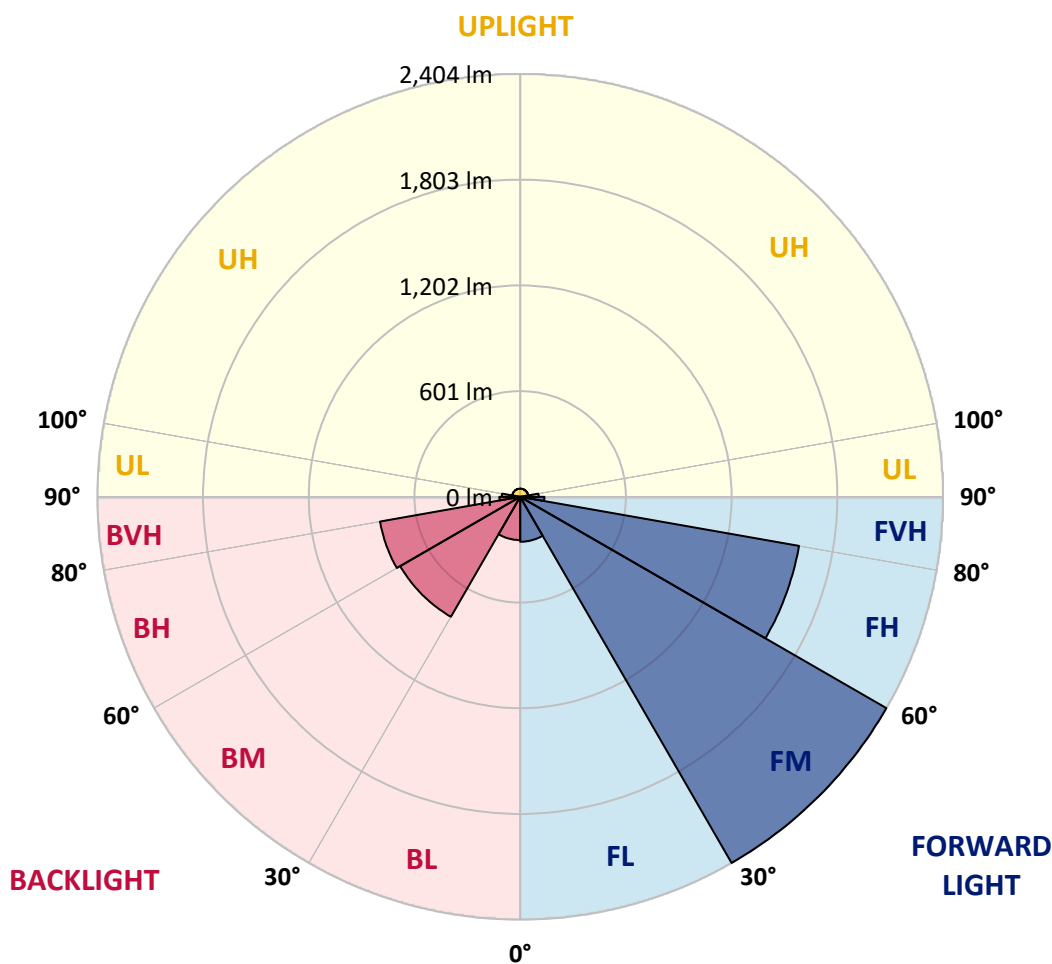
CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.5	3.9			
FM	(30°-60°)	2404.3	36.9			
FH	(60°-80°)	1609.9	24.7			G1/1800
FVH	(80°-90°)	137.6	2.1			G2/225
BL	(0°-30°)	246.0	3.8	B1/500		
BM	(30°-60°)	787.3	12.1	B1/1000		
BH	(60°-80°)	809.5	12.4	B2/1000		G2/1000
BVH	(80°-90°)	118.1	1.8			G2/225
UL	(90°-100°)	104.9	1.6		U3/500	
UH	(100°-180°)	46.4	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium



REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	704.4	761.6	744.2	798.9	811.4	823.8	826.3	828.8	826.3	828.8	833.8
5°	664.5	667.0	669.5	674.5	674.5	679.5	689.4	794.0	803.9	811.4	821.3
7.5°	555.0	579.9	627.2	644.6	652.1	662.0	667.0	667.0	677.0	701.9	719.3
10°	617.2	612.3	614.8	617.2	582.4	574.9	522.7	515.2	522.7	540.1	622.2
12.5°	517.7	542.6	594.8	607.3	565.0	500.3	492.8	502.8	500.3	450.5	527.6
15°	599.8	597.3	592.4	582.4	472.9	495.3	425.6	430.6	482.8	517.7	589.9
17.5°	522.7	520.2	589.9	570.0	497.8	385.8	485.3	450.5	492.8	455.5	487.8
20°	649.6	647.1	639.6	475.4	507.7	512.7	470.4	435.6	507.7	525.2	592.4
22.5°	589.9	589.9	637.2	624.7	515.2	542.6	448.0	530.1	475.4	482.8	448.0
25°	811.4	803.9	794.0	579.9	619.7	497.8	555.0	487.8	567.5	614.8	644.6
27.5°	786.5	771.6	761.6	769.1	622.2	652.1	550.0	607.3	654.6	674.5	751.6
30°	1105.1	1085.2	1055.3	806.4	774.0	667.0	664.5	751.6	828.8	891.0	933.3
32.5°	1408.7	1413.7	1259.4	1082.7	856.2	891.0	791.5	881.1	906.0	970.7	995.6
35°	1806.9	1757.2	1660.1	1351.5	1042.8	1008.0	920.9	1005.5	1030.4	1092.6	1107.6
37.5°	2120.5	2123.0	1973.7	1625.3	1249.4	1219.6	1067.7	1154.8	1199.6	1269.3	1244.4
40°	2421.7	2434.1	2314.7	1906.5	1510.8	1428.6	1244.4	1346.5	1408.7	1451.0	1408.7
42.5°	2690.5	2688.0	2605.9	2217.6	1754.7	1707.4	1431.1	1563.0	1617.8	1657.6	1625.3
45°	2902.1	2894.6	2819.9	2471.5	2043.4	2108.1	1675.0	1811.9	1869.2	1914.0	1834.3
47.5°	2974.2	2934.4	2902.1	2655.7	2312.2	2461.5	1976.2	2053.3	2120.5	2197.7	2068.3
50°	2897.1	2844.8	2857.3	2742.8	2538.7	2757.7	2299.7	2332.1	2414.2	2481.4	2289.8
52.5°	2576.0	2563.6	2633.3	2655.7	2635.7	2984.2	2663.1	2571.0	2732.8	2740.3	2518.8
55°	2152.9	2138.0	2302.2	2394.3	2543.7	3073.8	2971.7	2907.0	3011.6	2999.1	2722.9
57.5°	1734.8	1724.8	1874.1	2026.0	2284.8	3024.0	3188.3	3275.4	3327.7	3258.0	2912.0
60°	1162.3	1182.2	1438.6	1642.7	1869.2	2725.3	3270.4	3618.9	3643.7	3494.4	3111.1
62.5°	741.7	769.1	933.3	1266.8	1396.3	2212.6	3210.7	3925.0	3910.1	3708.5	3295.3
65°	475.4	485.3	565.0	858.7	1000.5	1466.0	2944.4	4134.1	4136.6	3900.1	3442.1
67.5°	333.5	336.0	373.3	535.1	691.9	833.8	2394.3	4074.3	4186.3	3964.8	3489.4
70°	298.7	301.2	311.1	363.4	525.2	517.7	1451.0	3641.3	4002.2	3880.2	3417.3
72.5°	266.3	268.8	286.2	316.1	403.2	405.7	694.4	2899.6	3459.6	3579.0	3203.2
75°	221.5	226.5	246.4	296.2	311.1	341.0	465.4	2038.4	2722.9	3083.7	2949.3
77.5°	186.7	189.2	204.1	251.4	271.3	276.3	398.2	1130.0	1881.6	2269.9	2598.4
80°	149.3	149.3	161.8	199.1	224.0	226.5	355.9	597.3	1042.8	1373.9	1806.9
82.5°	97.1	99.6	114.5	149.3	166.8	224.0	316.1	435.6	510.2	662.0	821.3
85°	62.2	62.2	72.2	84.6	99.6	171.7	278.8	360.9	380.8	415.6	373.3
87.5°	29.9	29.9	27.4	32.4	37.3	64.7	194.1	256.4	258.8	253.9	273.8
90°	24.9	24.9	19.9	22.4	24.9	34.8	146.8	251.4	248.9	258.8	283.7
92.5°	27.4	27.4	19.9	22.4	24.9	29.9	107.0	253.9	261.3	273.8	301.2
95°	29.9	29.9	19.9	19.9	22.4	27.4	67.2	219.0	263.8	276.3	311.1
97.5°	27.4	27.4	14.9	17.4	19.9	24.9	42.3	164.3	206.6	216.5	246.4
100°	24.9	24.9	12.4	14.9	17.4	19.9	27.4	84.6	89.6	67.2	94.6
102.5°	22.4	24.9	10.0	12.4	12.4	12.4	17.4	39.8	39.8	22.4	24.9
105°	22.4	24.9	10.0	10.0	7.5	10.0	10.0	14.9	17.4	12.4	19.9
107.5°	24.9	24.9	10.0	10.0	7.5	7.5	7.5	10.0	12.4	10.0	19.9
110°	22.4	22.4	7.5	10.0	5.0	5.0	5.0	7.5	10.0	10.0	22.4

REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.9	14.9	7.5	10.0	5.0	5.0	5.0	7.5	10.0	12.4	27.4
115°	12.4	10.0	5.0	7.5	5.0	5.0	5.0	7.5	7.5	10.0	22.4
117.5°	12.4	10.0	5.0	5.0	2.5	5.0	5.0	7.5	7.5	10.0	19.9
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	5.0	7.5	12.4	22.4
122.5°	14.9	12.4	5.0	5.0	2.5	2.5	2.5	5.0	7.5	12.4	22.4
125°	14.9	14.9	7.5	5.0	2.5	2.5	2.5	5.0	7.5	10.0	19.9
127.5°	14.9	12.4	7.5	5.0	2.5	2.5	2.5	2.5	5.0	7.5	17.4
130°	12.4	12.4	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	12.4
132.5°	10.0	10.0	7.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5
137.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	5.0	5.0	10.0	7.5	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	7.5	7.5	10.0	7.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	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

REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7	843.7
2.5°	836.3	836.3	843.7	846.2	843.7	841.2	826.3	781.5	754.1	756.6	756.6
5°	823.8	826.3	833.8	789.0	734.2	739.2	746.7	749.2	749.2	754.1	754.1
7.5°	726.8	729.2	709.3	716.8	734.2	746.7	751.6	739.2	699.4	684.4	684.4
10°	629.7	629.7	560.0	562.5	582.4	619.7	736.7	749.2	761.6	764.1	761.6
12.5°	532.6	535.1	477.9	550.0	525.2	592.4	679.5	751.6	694.4	637.2	644.6
15°	594.8	599.8	537.6	472.9	485.3	584.9	507.7	696.9	701.9	701.9	701.9
17.5°	477.9	505.2	475.4	487.8	537.6	440.5	574.9	637.2	584.9	570.0	570.0
20°	594.8	594.8	542.6	470.4	497.8	572.4	510.2	567.5	667.0	667.0	664.5
22.5°	443.0	443.0	475.4	545.1	500.3	565.0	540.1	587.4	530.1	530.1	545.1
25°	639.6	632.2	577.4	482.8	570.0	522.7	542.6	512.7	599.8	607.3	602.3
27.5°	771.6	766.6	619.7	555.0	535.1	557.5	487.8	477.9	460.4	530.1	522.7
30°	913.4	901.0	811.4	669.5	587.4	470.4	440.5	458.0	507.7	510.2	507.7
32.5°	980.6	953.2	853.7	801.4	599.8	485.3	395.7	408.2	505.2	535.1	535.1
35°	1072.7	1042.8	930.8	873.6	597.3	428.1	350.9	395.7	455.5	458.0	458.0
37.5°	1199.6	1154.8	1060.3	915.9	557.5	378.3	323.6	350.9	393.2	405.7	410.7
40°	1346.5	1289.2	1204.6	943.3	500.3	318.6	288.7	323.6	355.9	346.0	346.0
42.5°	1553.1	1468.5	1346.5	985.6	428.1	281.2	263.8	296.2	318.6	323.6	321.1
45°	1747.2	1642.7	1513.3	1000.5	348.4	253.9	246.4	281.2	303.6	296.2	296.2
47.5°	1966.2	1834.3	1637.7	965.7	286.2	238.9	246.4	271.3	281.2	293.7	293.7
50°	2182.8	2040.9	1819.4	910.9	253.9	229.0	246.4	261.3	281.2	288.7	286.2
52.5°	2379.4	2254.9	1928.9	813.9	236.4	221.5	238.9	261.3	286.2	298.7	298.7
55°	2593.4	2466.5	2028.5	726.8	221.5	206.6	246.4	271.3	278.8	286.2	286.2
57.5°	2755.2	2655.7	2138.0	649.6	211.6	206.6	251.4	283.7	281.2	288.7	288.7
60°	2951.8	2864.7	2237.5	612.3	196.6	196.6	261.3	306.1	286.2	308.6	308.6
62.5°	3160.9	3108.6	2334.6	584.9	181.7	191.6	263.8	323.6	296.2	331.0	333.5
65°	3362.5	3372.5	2424.2	520.2	169.2	191.6	268.8	346.0	306.1	350.9	355.9
67.5°	3464.5	3546.7	2449.1	418.1	156.8	189.2	283.7	363.4	321.1	370.8	373.3
70°	3444.6	3551.7	2391.8	308.6	146.8	199.1	306.1	378.3	328.5	395.7	395.7
72.5°	3270.4	3347.6	2222.6	234.0	136.9	191.6	311.1	383.3	333.5	435.6	435.6
75°	3024.0	2944.4	1829.3	194.1	129.4	191.6	303.6	378.3	328.5	425.6	423.1
77.5°	2623.3	2357.0	1261.9	171.7	122.0	184.2	283.7	368.4	313.6	395.7	400.7
80°	1682.5	1451.0	644.6	149.3	129.4	176.7	273.8	341.0	291.2	353.4	355.9
82.5°	766.6	644.6	293.7	131.9	126.9	159.3	248.9	303.6	253.9	301.2	298.7
85°	323.6	328.5	231.5	112.0	112.0	124.4	184.2	236.4	196.6	211.6	206.6
87.5°	251.4	241.4	159.3	67.2	72.2	54.8	119.5	169.2	129.4	136.9	134.4
90°	266.3	261.3	169.2	69.7	52.3	32.4	89.6	131.9	97.1	87.1	84.6
92.5°	283.7	281.2	189.2	74.7	52.3	27.4	77.2	107.0	69.7	59.7	57.2
95°	303.6	303.6	206.6	79.6	52.3	27.4	69.7	82.1	52.3	39.8	37.3
97.5°	241.4	246.4	176.7	82.1	49.8	27.4	62.2	67.2	39.8	22.4	22.4
100°	97.1	107.0	97.1	82.1	44.8	22.4	49.8	52.3	27.4	12.4	12.4
102.5°	22.4	27.4	67.2	72.2	34.8	14.9	32.4	32.4	17.4	7.5	7.5
105°	22.4	19.9	44.8	57.2	19.9	10.0	14.9	19.9	10.0	5.0	5.0
107.5°	22.4	22.4	19.9	27.4	10.0	7.5	7.5	7.5	5.0	5.0	5.0
110°	24.9	22.4	10.0	10.0	7.5	7.5	5.0	5.0	2.5	14.9	17.4



REPORT NUMBER: P561022

CATALOG NUMBER: SDL-PA1-80-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.9	27.4	12.4	10.0	7.5	7.5	5.0	5.0	7.5	24.9	24.9
115°	24.9	22.4	12.4	7.5	7.5	7.5	5.0	2.5	7.5	27.4	27.4
117.5°	22.4	19.9	12.4	7.5	5.0	7.5	5.0	2.5	7.5	27.4	27.4
120°	24.9	22.4	12.4	7.5	5.0	5.0	5.0	2.5	7.5	24.9	24.9
122.5°	24.9	24.9	14.9	5.0	5.0	2.5	5.0	2.5	7.5	22.4	22.4
125°	22.4	19.9	12.4	5.0	2.5	2.5	2.5	2.5	10.0	19.9	22.4
127.5°	19.9	17.4	10.0	5.0	2.5	2.5	2.5	2.5	7.5	14.9	17.4
130°	14.9	14.9	7.5	5.0	2.5	2.5	2.5	2.5	7.5	14.9	12.4
132.5°	10.0	10.0	7.5	5.0	2.5	2.5	2.5	2.5	7.5	10.0	10.0
135°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	5.0	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	7.5	7.5	5.0
155°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	0.0	2.5	0.0
160°	0.0	0.0	2.5	2.5	2.5	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)