

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: P559968

Luminaire Tested: **SDL-PA1-20-722-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-722-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 21
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

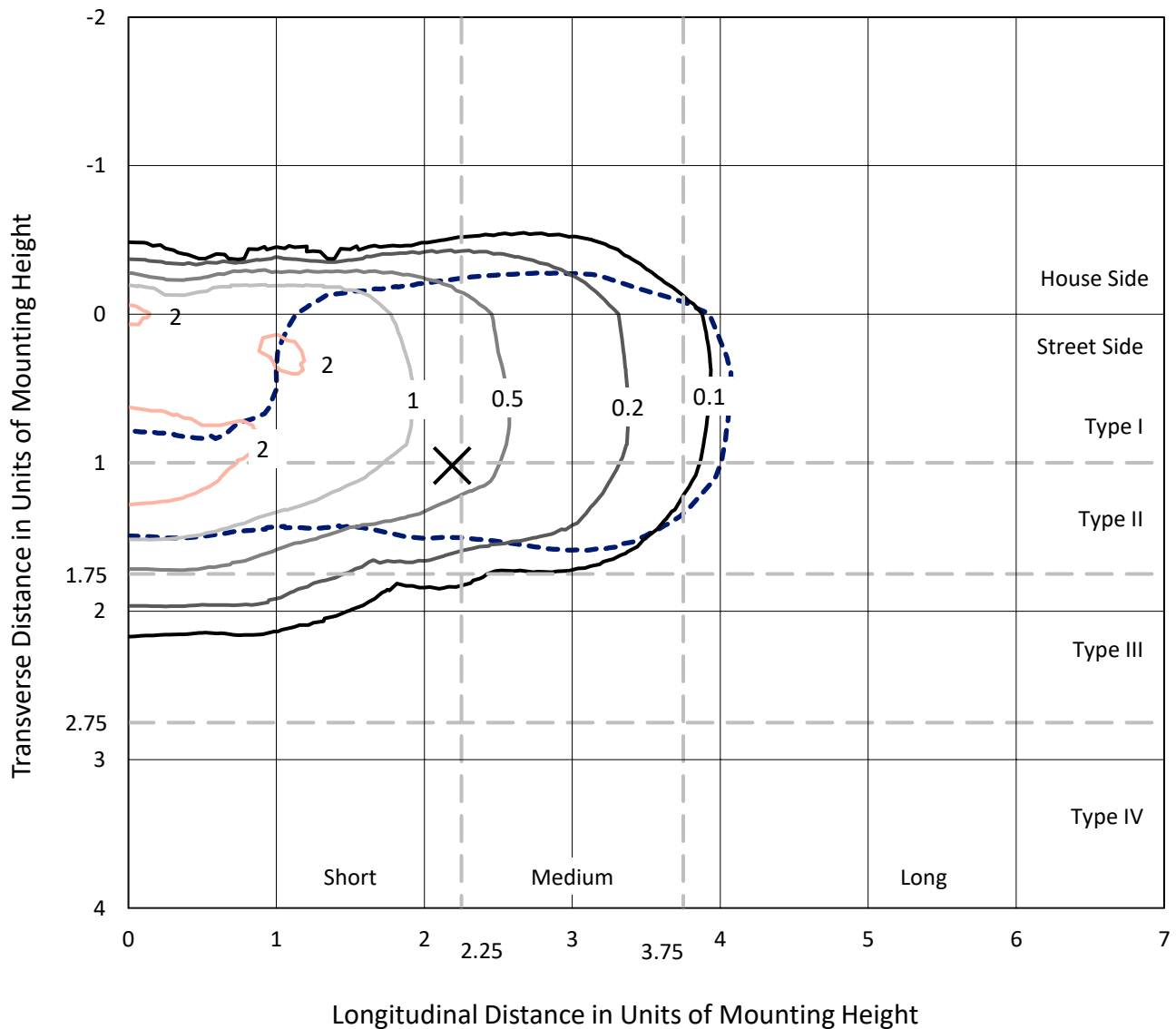


REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

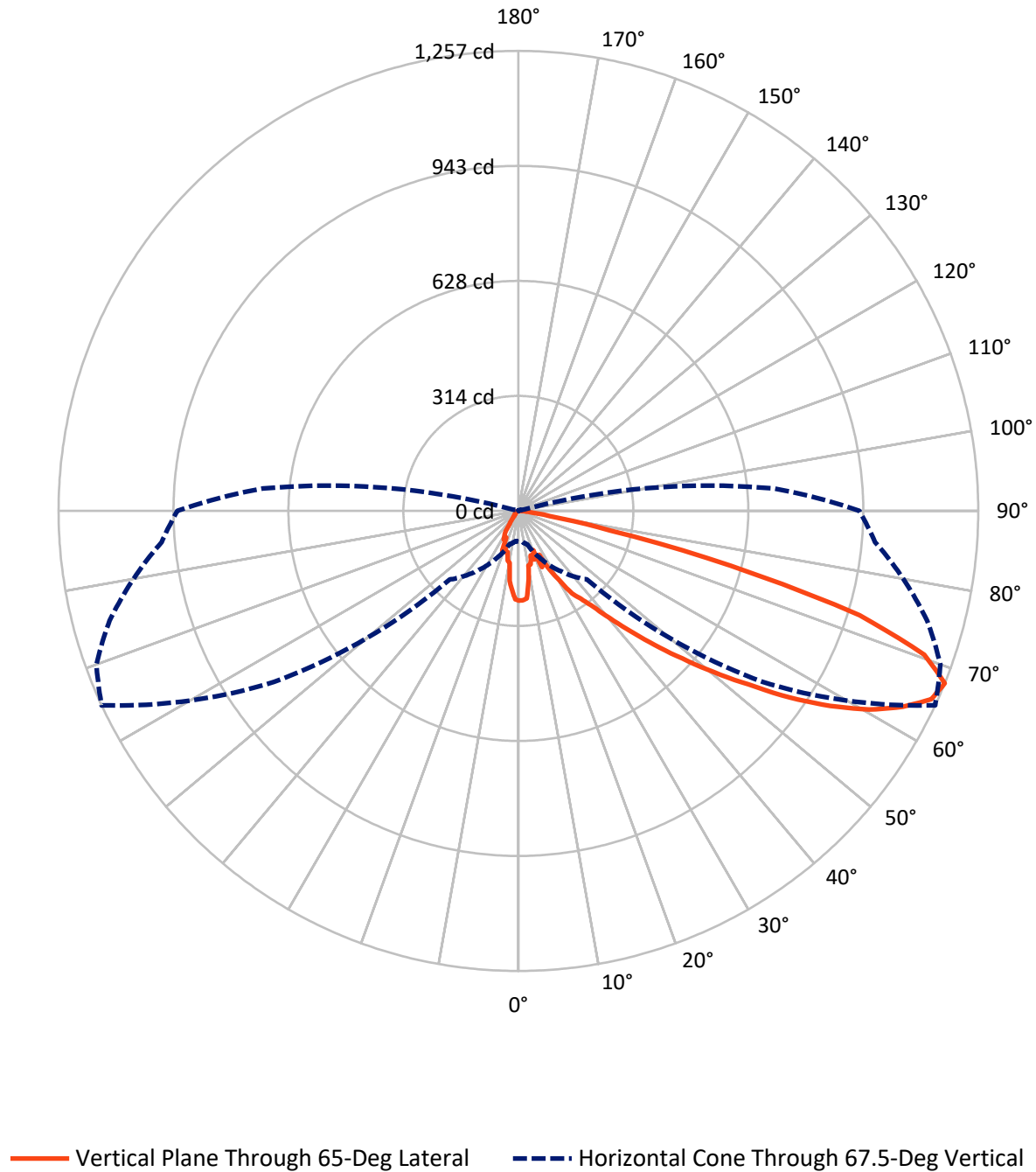


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

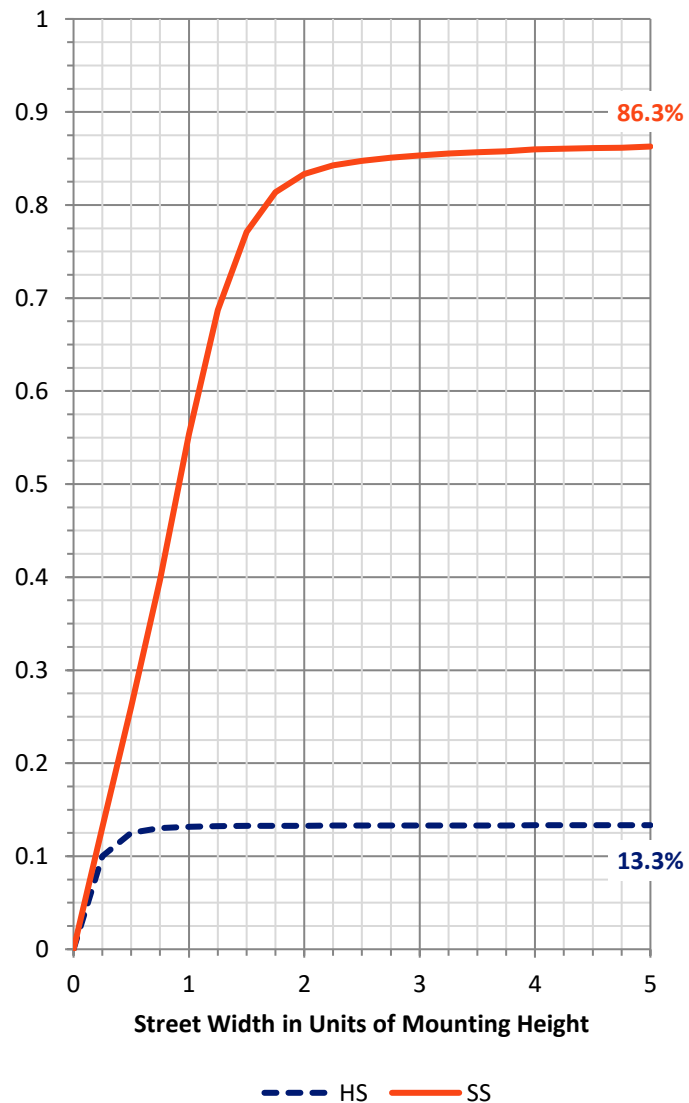
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.9	0.0	197.9
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1265.7	0.0	1265.7
	% Fixture	86.5	0.0	86.5
Total	Lumens	1463.6	0.0	1463.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	1.3
10°-20°	36.4	2.5
20°-30°	54.9	3.8
30°-40°	126.5	8.6
40°-50°	277.6	19.0
50°-60°	407.5	27.8
60°-70°	353.9	24.2
70°-80°	175.5	12.0
80°-90°	12.5	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1463.6	100.0
0°-180°	1463.6	100.0

Coefficient of Utilization



REPORT NUMBER: P559968

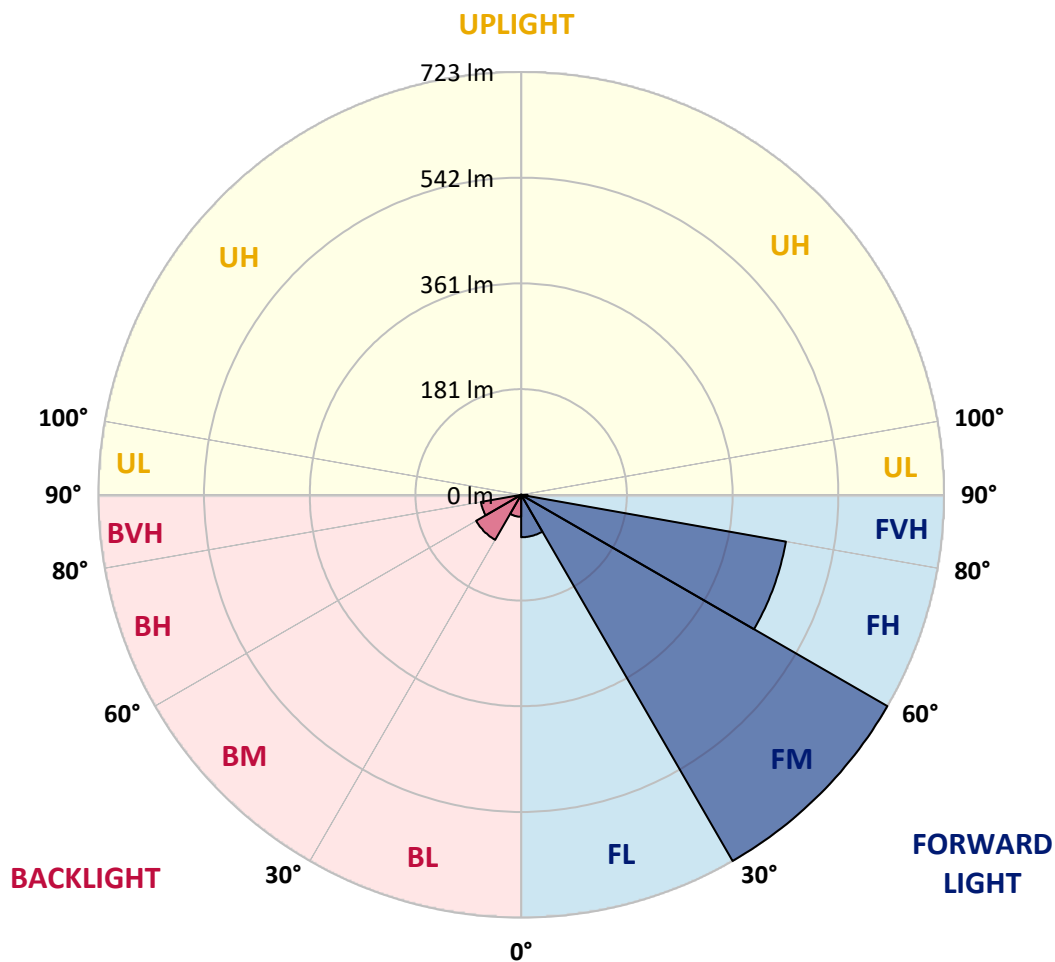
CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.5	5.0			
FM	(30°-60°)	722.7	49.4			
FH	(60°-80°)	459.5	31.4			G0/660
FVH	(80°-90°)	11.0	0.7			G1/100
BL	(0°-30°)	37.6	2.6	B0/110		
BM	(30°-60°)	88.9	6.1	B0/220		
BH	(60°-80°)	69.9	4.8	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	205.2	222.2	227.3	232.5	236.9	241.4	242.1	242.8	244.3	245.0	245.8
5°	200.8	201.5	201.5	200.8	201.5	202.2	202.2	202.2	202.2	202.2	203.0
7.5°	160.9	180.1	186.0	191.2	194.1	196.3	197.8	198.5	199.3	200.0	200.8
10°	194.1	193.4	194.1	194.1	194.9	194.9	177.9	160.9	166.8	172.0	163.1
12.5°	154.3	169.8	176.4	183.0	187.5	191.2	183.8	175.7	160.2	143.9	144.7
15°	186.0	186.0	186.0	186.0	172.0	157.2	147.6	137.3	145.4	152.8	138.0
17.5°	149.8	149.8	163.1	176.4	176.4	175.7	166.1	155.7	135.1	114.4	132.9
20°	185.3	185.3	186.0	186.7	162.4	138.0	146.1	153.5	156.5	159.4	152.8
22.5°	151.3	151.3	153.5	155.0	163.9	172.7	149.1	125.5	144.7	163.9	150.6
25°	195.6	196.3	197.8	198.5	176.4	153.5	163.9	174.2	153.5	132.9	153.5
27.5°	177.1	174.2	174.2	173.4	180.8	187.5	172.7	157.9	171.2	184.5	169.0
30°	248.7	246.5	243.6	240.6	212.6	184.5	185.3	185.3	180.1	174.9	183.8
32.5°	344.7	341.0	315.9	290.8	270.1	249.5	228.1	206.7	214.0	220.7	216.3
35°	462.8	462.8	439.2	415.5	369.0	322.5	286.4	249.5	246.5	243.6	248.0
37.5°	603.0	588.2	560.2	532.2	474.6	416.3	360.9	305.6	298.9	291.5	284.2
40°	707.1	704.9	683.5	662.1	591.2	520.3	455.4	389.7	368.3	346.2	329.9
42.5°	815.6	807.5	790.5	772.8	701.2	628.8	559.5	489.3	459.8	430.3	401.5
45°	893.8	891.6	876.8	862.1	803.8	744.7	672.4	599.3	580.1	560.9	507.1
47.5°	942.5	930.0	924.1	917.4	867.2	817.1	755.8	693.8	690.8	687.1	619.2
50°	927.8	916.7	918.2	919.6	895.3	870.9	824.4	777.2	785.3	793.4	737.3
52.5°	849.5	839.9	853.2	865.8	865.0	864.3	847.3	829.6	859.1	887.9	849.5
55°	693.1	699.7	726.3	752.8	770.6	787.5	811.9	835.5	891.6	947.0	939.6
57.5°	543.2	558.0	585.3	611.9	640.7	668.7	720.4	772.0	866.5	960.2	992.7
60°	364.6	374.2	422.2	469.4	496.0	522.6	578.7	634.0	762.4	890.1	975.0
62.5°	226.6	231.8	259.1	286.4	340.3	394.1	422.2	449.5	588.2	726.3	883.5
65°	139.5	138.0	149.1	159.4	212.6	265.0	283.4	301.1	393.4	484.9	729.2
67.5°	83.4	82.7	88.6	94.5	118.8	143.2	172.0	200.8	233.2	265.0	540.3
70°	67.9	69.4	71.6	73.8	80.5	87.1	113.7	140.2	139.5	138.8	324.8
72.5°	56.8	58.3	62.7	66.4	71.6	76.0	91.5	106.3	99.6	93.0	155.0
75°	42.1	42.8	48.7	53.9	62.0	69.4	73.1	76.0	73.1	70.1	78.2
77.5°	28.0	28.0	33.2	38.4	46.5	54.6	59.0	63.5	58.3	53.1	55.4
80°	17.7	17.7	20.7	22.9	31.0	39.1	44.3	49.5	45.0	39.9	39.1
82.5°	10.3	11.1	12.5	14.0	19.2	24.4	28.0	31.7	36.9	41.3	33.2
85°	4.4	5.2	6.6	7.4	10.3	12.5	14.8	17.0	21.4	25.8	21.4
87.5°	0.7	0.7	1.5	2.2	3.0	3.7	3.7	3.7	3.7	3.0	3.7
90°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5

REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	245.8	245.0	244.3	244.3	244.3	243.6	242.8	242.8	242.8	242.1	241.4
5°	203.0	221.4	239.9	240.6	242.1	241.4	240.6	239.9	239.1	238.4	236.9
7.5°	200.8	199.3	197.8	192.6	210.4	210.4	209.6	209.6	208.1	202.2	196.3
10°	153.5	152.8	151.3	153.5	157.2	169.8	181.6	180.8	178.6	164.6	150.6
12.5°	145.4	147.6	149.8	142.4	128.4	140.2	152.0	150.6	149.1	136.5	123.3
15°	123.3	124.7	126.2	138.0	159.4	170.5	180.8	179.4	177.9	163.1	147.6
17.5°	151.3	145.4	139.5	147.6	140.2	145.4	150.6	144.7	140.2	134.3	128.4
20°	145.4	129.9	114.4	138.0	165.3	174.2	183.0	180.8	176.4	162.4	147.6
22.5°	136.5	152.0	166.8	159.4	146.1	138.0	129.9	126.2	123.3	124.0	124.7
25°	173.4	153.5	132.9	168.3	189.7	192.6	194.9	188.2	180.8	165.3	149.1
27.5°	152.8	167.5	181.6	195.6	203.0	205.2	206.7	216.3	200.8	180.1	159.4
30°	192.6	205.2	217.7	248.7	273.8	278.3	282.7	271.6	259.1	234.0	208.9
32.5°	211.8	240.6	268.7	283.4	293.8	297.4	301.1	286.4	272.4	239.9	206.7
35°	251.7	273.1	294.5	311.5	331.4	332.1	332.9	316.6	298.9	251.7	204.4
37.5°	276.0	304.1	331.4	350.6	381.6	379.4	377.2	358.0	336.6	270.1	203.7
40°	312.9	349.1	384.5	403.0	440.6	434.0	427.3	405.2	381.6	290.1	198.5
42.5°	372.7	411.1	449.5	465.0	506.3	498.9	490.8	461.3	431.0	306.3	181.6
45°	452.4	487.1	521.8	549.1	581.6	569.8	558.0	526.2	482.0	320.3	158.7
47.5°	550.6	576.4	602.3	656.2	679.8	656.2	631.8	593.4	537.3	332.1	126.9
50°	681.2	687.1	692.3	759.5	783.1	746.9	710.8	661.3	594.2	345.4	96.0
52.5°	810.4	799.3	787.5	859.9	868.7	820.7	772.0	720.4	636.2	352.8	68.6
55°	932.2	916.7	900.5	952.1	946.2	882.7	819.3	756.5	662.1	355.0	48.0
57.5°	1025.2	1015.6	1005.3	1028.9	1006.7	932.2	857.6	794.9	681.2	358.7	35.4
60°	1059.1	1080.5	1101.9	1099.0	1058.4	979.4	900.5	834.0	693.1	360.2	26.6
62.5°	1040.7	1110.1	1178.7	1150.7	1101.2	1017.8	933.7	869.5	698.2	359.4	20.7
65°	973.5	1107.1	1240.0	1193.5	1131.5	1048.1	964.7	907.1	704.1	360.2	16.2
67.5°	814.8	1036.3	1256.9	1227.4	1156.6	1068.0	978.7	932.2	701.2	357.2	13.3
70°	510.0	843.6	1177.2	1200.1	1156.6	1059.1	961.7	924.8	674.6	342.5	10.3
72.5°	216.3	595.6	975.0	1074.6	1104.9	1010.4	916.0	870.2	617.8	312.9	8.1
75°	85.6	342.5	599.3	757.3	850.3	810.4	769.8	708.6	405.2	205.9	5.9
77.5°	57.6	156.5	255.4	372.0	443.6	459.1	474.6	404.5	161.6	83.4	4.4
80°	38.4	62.7	87.1	133.6	159.4	150.6	141.0	115.9	49.5	26.6	3.7
82.5°	24.4	32.5	40.6	45.8	47.2	34.0	20.7	17.0	5.9	4.4	2.2
85°	16.2	19.2	22.1	22.9	22.9	16.2	8.9	4.4	2.2	2.2	1.5
87.5°	4.4	5.2	5.2	5.2	3.7	3.0	2.2	1.5	1.5	1.5	1.5
90°	2.2	3.0	3.0	3.0	2.2	2.2	1.5	1.5	1.5	1.5	1.5

REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	241.4	241.4	240.6	239.9	239.9	239.1	231.8	223.6	216.3	208.1	207.4
5°	227.3	217.0	207.4	197.8	196.3	194.1	194.1	193.4	193.4	192.6	192.6
7.5°	194.9	193.4	191.9	190.4	189.7	188.2	187.5	186.0	185.3	183.8	175.7
10°	147.6	143.9	143.9	143.2	144.7	146.1	145.4	143.9	153.5	163.1	162.4
12.5°	131.4	138.8	132.1	124.7	126.9	128.4	130.6	132.9	132.1	130.6	119.6
15°	132.1	115.9	110.7	104.8	107.8	110.0	90.8	70.9	67.2	63.5	59.0
17.5°	123.3	118.1	114.4	110.0	84.1	57.6	51.7	45.8	40.6	34.7	34.0
20°	124.7	101.1	94.5	87.1	67.2	47.2	36.2	25.1	22.1	19.2	22.1
22.5°	121.8	118.1	86.4	54.6	40.6	26.6	22.1	17.0	18.5	19.9	19.9
25°	114.4	79.7	62.0	44.3	31.0	17.0	17.7	17.7	16.2	14.0	15.5
27.5°	124.0	87.8	56.1	23.6	20.7	17.0	15.5	13.3	13.3	13.3	12.5
30°	143.2	76.8	48.0	19.2	16.2	13.3	12.5	11.8	11.1	9.6	10.3
32.5°	135.8	65.0	40.6	16.2	14.0	11.8	10.3	8.9	8.9	8.9	8.9
35°	123.3	41.3	28.0	14.0	11.8	9.6	8.9	7.4	7.4	7.4	7.4
37.5°	115.1	26.6	19.2	11.1	9.6	8.1	7.4	5.9	5.9	5.9	6.6
40°	108.5	18.5	14.0	9.6	8.1	5.9	5.2	4.4	5.2	5.2	5.2
42.5°	98.9	15.5	11.8	8.1	6.6	5.2	4.4	3.7	4.4	4.4	4.4
45°	86.4	14.0	10.3	6.6	5.9	4.4	3.7	3.0	3.7	3.7	3.7
47.5°	69.4	11.8	8.9	5.9	5.2	3.7	3.7	3.0	3.0	3.0	3.0
50°	53.9	11.1	8.1	5.2	4.4	3.0	3.0	2.2	3.0	3.0	3.0
52.5°	39.1	9.6	7.4	4.4	3.7	2.2	2.2	2.2	2.2	2.2	2.2
55°	28.0	8.1	5.9	3.7	3.0	2.2	2.2	1.5	2.2	2.2	2.2
57.5°	21.4	7.4	5.2	3.0	2.2	1.5	1.5	1.5	1.5	1.5	1.5
60°	17.0	6.6	5.2	3.0	2.2	1.5	1.5	0.7	1.5	1.5	1.5
62.5°	13.3	5.2	4.4	3.0	2.2	1.5	1.5	0.7	1.5	1.5	1.5
65°	10.3	4.4	3.7	2.2	1.5	0.7	0.7	0.7	1.5	1.5	1.5
67.5°	8.9	3.7	3.0	2.2	1.5	0.7	1.5	1.5	1.5	1.5	1.5
70°	7.4	3.7	3.0	2.2	1.5	0.7	1.5	1.5	2.2	2.2	1.5
72.5°	5.9	3.0	2.2	1.5	1.5	0.7	1.5	1.5	2.2	2.2	1.5
75°	4.4	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	2.2	1.5
77.5°	3.7	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	2.2	2.2
80°	3.0	1.5	1.5	1.5	0.7	0.0	1.5	3.0	3.0	2.2	2.2
82.5°	2.2	1.5	1.5	1.5	0.7	0.0	1.5	3.0	3.0	2.2	2.2
85°	1.5	1.5	1.5	1.5	1.5	0.7	2.2	3.0	3.0	2.2	2.2
87.5°	1.5	1.5	1.5	1.5	1.5	0.7	1.5	2.2	2.2	2.2	2.2
90°	1.5	1.5	2.2	2.2	1.5	0.7	1.5	2.2	2.2	2.2	2.2

REPORT NUMBER: P559968

CATALOG NUMBER: SDL-PA1-20-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	245.0	245.0	245.0	245.0
2.5°	205.9	207.4	208.1	206.7
5°	191.9	191.9	191.2	193.4
7.5°	166.8	162.4	157.2	153.5
10°	160.9	157.2	153.5	154.3
12.5°	107.8	96.7	85.6	89.3
15°	54.6	51.7	48.7	48.7
17.5°	32.5	29.5	25.8	26.6
20°	24.4	24.4	24.4	24.4
22.5°	19.2	18.5	17.0	16.2
25°	16.2	16.2	16.2	16.2
27.5°	11.8	11.8	11.1	10.3
30°	10.3	10.3	10.3	9.6
32.5°	8.1	8.9	8.9	8.9
35°	7.4	7.4	7.4	7.4
37.5°	6.6	6.6	5.9	5.9
40°	5.2	5.2	5.2	5.2
42.5°	4.4	4.4	4.4	4.4
45°	3.7	3.7	3.7	3.7
47.5°	3.0	3.0	3.0	3.0
50°	3.0	3.0	2.2	2.2
52.5°	2.2	2.2	1.5	1.5
55°	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.7	0.7
60°	1.5	1.5	0.7	0.7
62.5°	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.0	0.0
67.5°	0.7	0.7	0.0	0.0
70°	0.7	0.7	0.0	0.0
72.5°	0.7	0.7	0.0	0.0
75°	0.7	0.7	0.0	0.0
77.5°	1.5	0.7	0.0	0.0
80°	1.5	1.5	0.7	0.0
82.5°	1.5	1.5	0.7	0.0
85°	1.5	1.5	0.7	0.0
87.5°	1.5	1.5	0.7	0.0
90°	1.5	1.5	0.7	0.0

(END OF REPORT)