

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: P560127

Luminaire Tested: **SDL-PA1-20-830-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-T3
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2181.3 lumens
Efficiency: N/A
Efficacy: 103.9 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 - 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

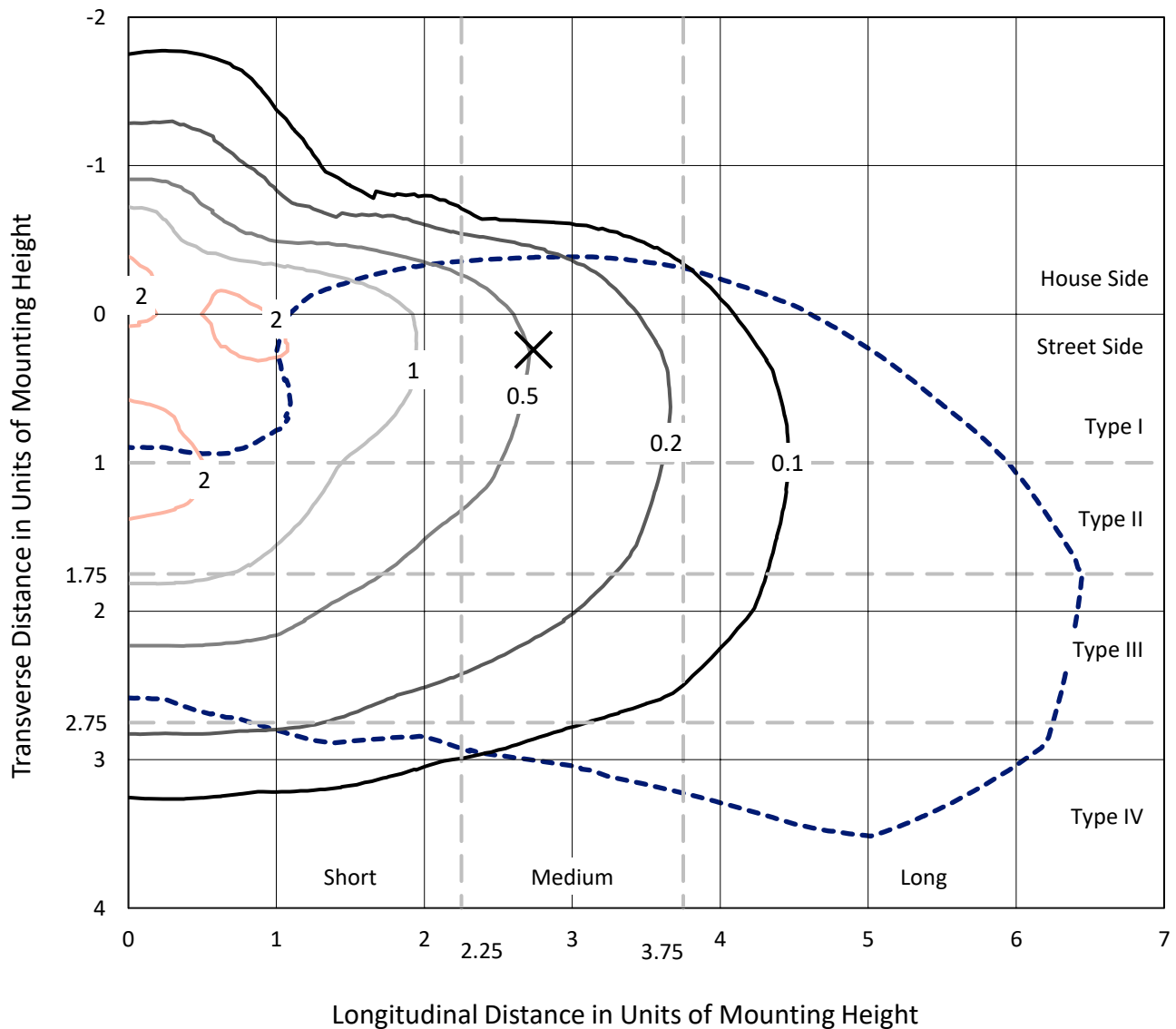


REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

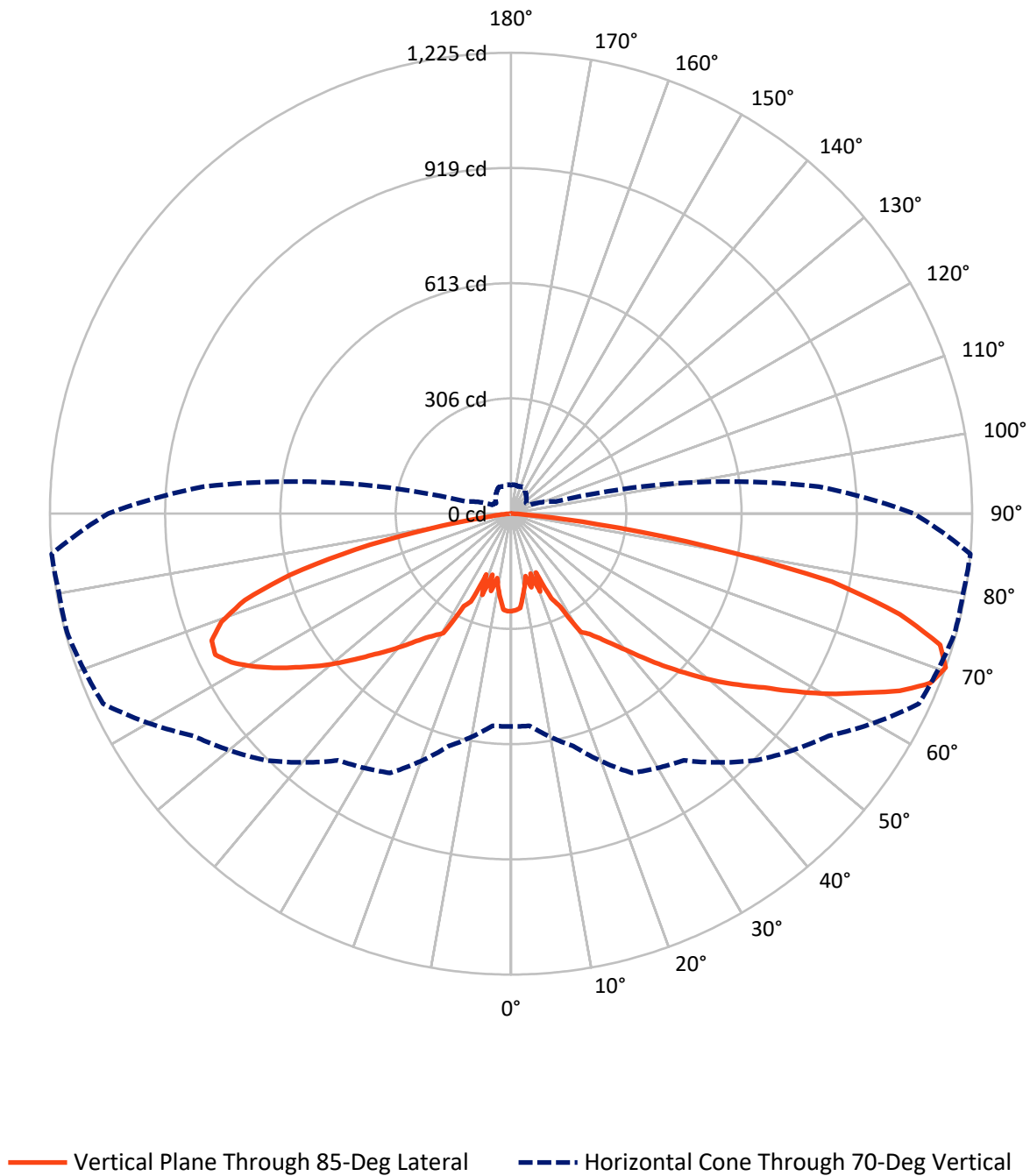


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

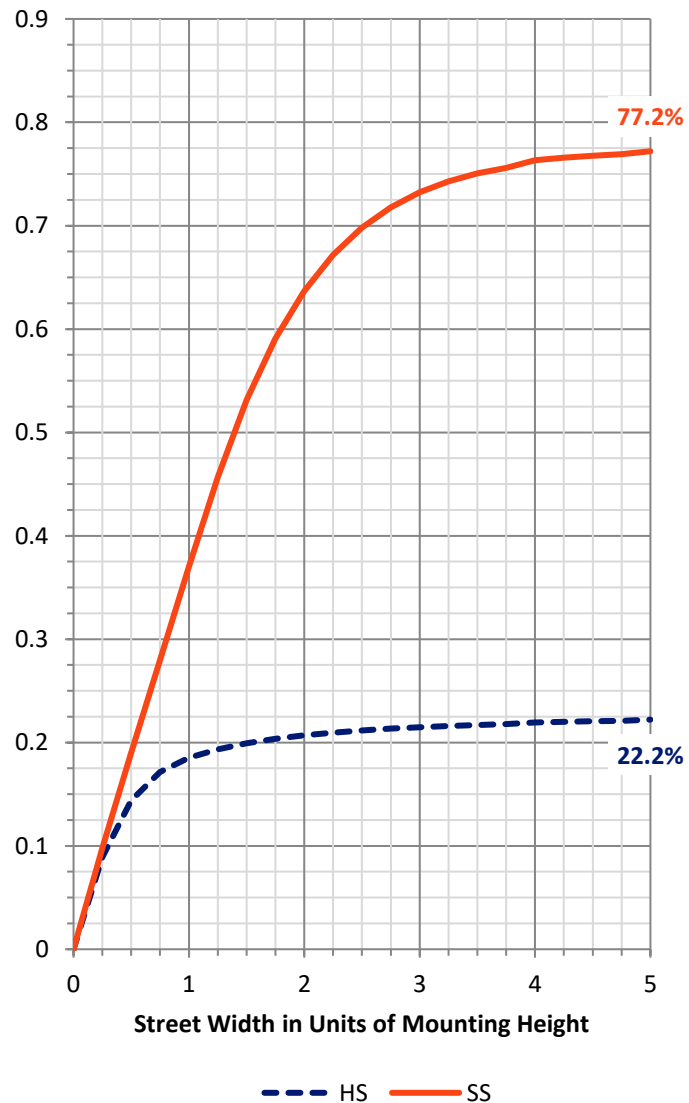
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.2	0.0	493.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	1688.1	0.0	1688.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	2181.3	0.0	2181.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	1.0
10°-20°	52.7	2.4
20°-30°	96.3	4.4
30°-40°	181.8	8.3
40°-50°	296.1	13.6
50°-60°	456.8	20.9
60°-70°	560.0	25.7
70°-80°	438.5	20.1
80°-90°	78.1	3.6
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°	2181.3	100.0
0°-180°	2181.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560127

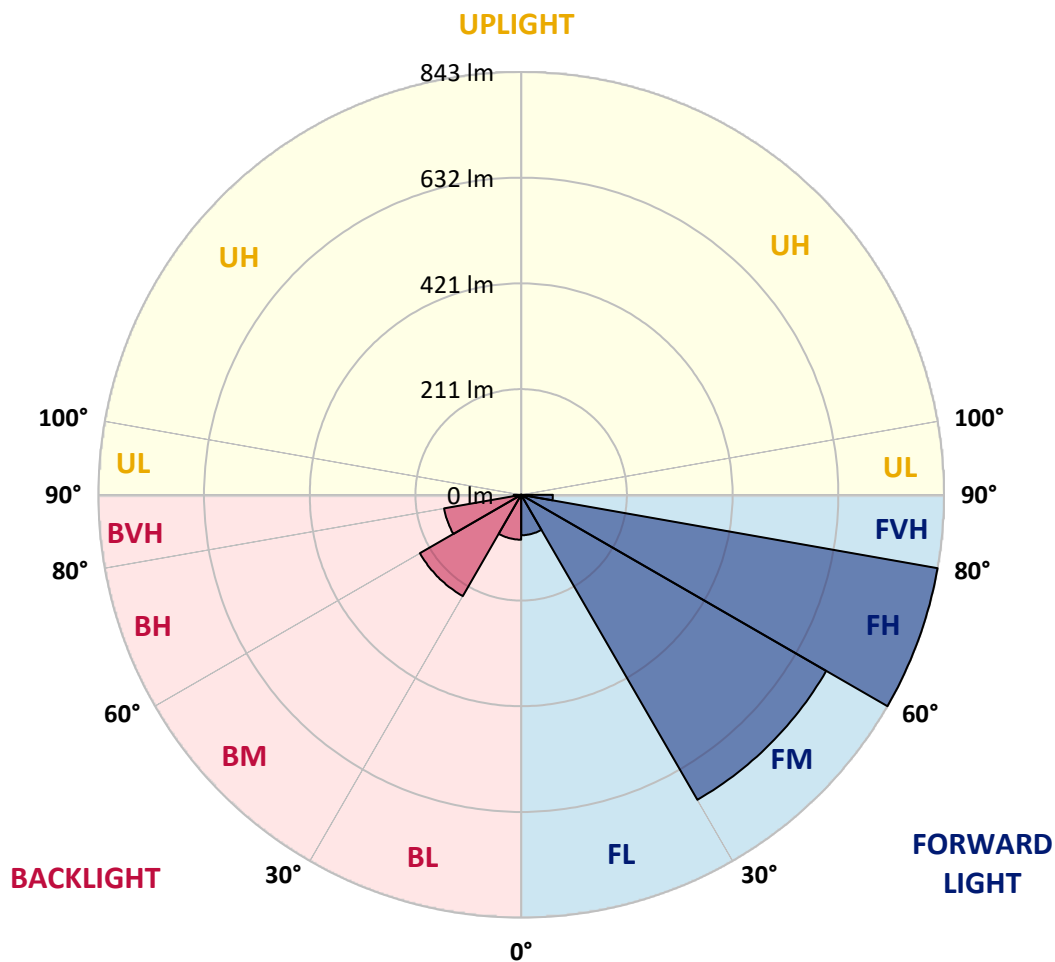
CATALOG NUMBER: SDL-PA1-20-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.5	3.7			
FM	(30°-60°)	701.8	32.2			
FH	(60°-80°)	842.6	38.6			G1/1800
FVH	(80°-90°)	63.2	2.9			G1/100
BL	(0°-30°)	89.5	4.1	B0/110		
BM	(30°-60°)	233.0	10.7	B1/1000		
BH	(60°-80°)	155.9	7.1	B1/500		G1/500
BVH	(80°-90°)	14.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium



REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1
2.5°	213.7	232.8	232.8	232.8	236.8	240.0	241.6	242.4	245.6	247.9	249.5
5°	199.3	200.1	200.1	200.1	200.9	201.7	202.5	203.3	204.9	205.7	208.1
7.5°	167.4	170.6	177.0	182.6	186.6	190.5	193.7	196.1	197.7	199.3	200.1
10°	186.6	186.6	186.6	186.6	186.6	186.6	177.0	167.4	168.2	168.2	163.4
12.5°	156.3	161.0	168.2	174.6	180.2	185.0	178.6	172.2	160.2	148.3	148.3
15°	181.0	181.0	180.2	179.4	169.0	158.7	149.1	139.5	145.9	152.3	141.1
17.5°	155.5	156.3	165.8	174.6	173.0	170.6	161.8	152.3	137.1	121.2	137.1
20°	199.3	196.9	192.1	187.4	165.0	142.7	146.7	150.7	154.7	157.9	157.9
22.5°	183.4	185.0	188.2	191.3	188.9	185.8	162.6	139.5	153.1	166.6	154.7
25°	251.1	251.1	241.6	232.0	208.1	183.4	187.4	190.5	167.4	143.5	163.4
27.5°	232.0	230.4	226.4	221.6	226.4	230.4	209.7	188.2	194.5	200.9	184.2
30°	308.5	308.5	304.5	300.6	266.3	231.2	228.8	225.6	212.1	197.7	207.3
32.5°	369.9	369.1	350.8	332.5	313.3	293.4	272.7	251.1	249.5	247.9	246.3
35°	443.3	443.3	432.9	422.5	380.3	337.2	312.5	287.8	280.6	273.5	279.0
37.5°	484.7	490.3	486.3	481.5	435.3	388.3	354.0	318.9	311.7	304.5	306.9
40°	542.1	540.5	539.7	538.1	484.7	431.3	394.6	357.2	352.4	347.6	347.6
42.5°	629.0	620.3	610.7	600.3	546.1	491.9	451.2	409.8	401.0	391.4	392.2
45°	748.6	739.0	716.7	693.6	638.6	583.6	529.4	475.2	460.0	444.1	442.5
47.5°	822.0	811.6	800.4	788.5	729.5	670.5	614.7	558.1	535.8	513.4	504.7
50°	897.7	888.1	879.4	870.6	818.8	767.0	711.1	655.3	620.3	585.2	570.0
52.5°	969.5	951.9	943.1	934.4	890.5	845.9	787.7	729.5	703.2	676.9	644.2
55°	1004.5	983.0	979.8	975.8	943.1	909.7	853.9	798.0	768.5	738.3	705.6
57.5°	955.1	956.7	974.2	991.8	973.4	955.1	902.5	849.9	820.4	790.9	766.2
60°	910.5	922.4	943.9	965.5	967.1	967.9	940.0	912.1	879.4	846.7	827.5
62.5°	849.1	857.8	891.3	924.0	948.7	972.6	943.9	915.2	904.1	892.1	880.2
65°	766.2	768.5	806.8	844.3	888.9	932.8	910.5	888.1	907.3	925.6	927.2
67.5°	664.9	672.1	709.6	747.0	801.2	854.7	853.9	853.1	893.7	933.6	961.5
70°	566.0	566.0	602.7	639.4	700.0	760.6	780.5	800.4	863.4	926.4	978.2
72.5°	426.5	446.5	465.6	484.7	552.5	619.5	663.3	707.2	801.2	894.5	973.4
75°	235.2	236.8	253.5	270.3	338.0	405.8	472.0	538.1	664.1	790.1	914.4
77.5°	77.3	74.9	84.5	93.3	133.1	172.2	228.0	283.8	422.5	561.3	761.4
80°	43.1	43.8	47.0	50.2	63.0	74.9	102.0	129.2	188.2	246.3	483.9
82.5°	28.7	29.5	32.7	35.9	41.5	47.0	62.2	76.5	82.1	86.9	218.4
85°	18.3	19.1	20.7	22.3	23.9	24.7	35.1	45.4	41.5	37.5	65.4
87.5°	4.0	4.0	4.8	4.8	5.6	6.4	8.0	9.6	8.8	7.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1
2.5°	250.3	251.9	252.7	253.5	254.3	255.9	256.7	257.5	259.1	259.9	259.9
5°	210.5	224.8	238.4	243.2	247.9	250.3	251.9	254.3	255.9	257.5	259.1
7.5°	200.9	201.7	202.5	208.1	213.7	218.4	223.2	224.8	228.8	226.4	223.2
10°	157.9	158.7	158.7	164.2	169.8	186.6	197.7	200.1	202.5	192.9	182.6
12.5°	147.5	151.5	155.5	153.1	150.7	162.6	170.6	173.8	175.4	169.0	162.6
15°	129.2	133.1	136.3	154.7	173.0	188.9	203.3	207.3	212.1	201.7	190.5
17.5°	153.1	151.5	149.1	152.3	155.5	159.4	167.4	169.8	169.8	173.0	176.2
20°	157.9	140.3	122.8	155.5	188.2	202.5	220.8	227.2	228.8	220.0	211.3
22.5°	141.9	161.8	181.8	177.8	173.8	169.8	169.8	172.2	174.6	176.2	177.8
25°	182.6	165.8	149.1	187.4	225.6	240.8	249.5	253.5	256.7	245.6	233.6
27.5°	167.4	189.7	211.3	228.0	244.8	261.5	279.8	297.4	275.8	265.5	255.1
30°	216.1	234.4	252.7	292.6	332.5	354.0	365.1	365.1	365.1	350.0	334.0
32.5°	244.8	276.6	308.5	330.1	350.8	372.3	381.1	381.1	381.1	362.7	343.6
35°	283.8	309.3	334.8	359.6	384.3	401.0	407.4	405.0	400.2	375.5	350.8
37.5°	309.3	343.6	377.9	403.4	428.1	438.5	440.9	433.7	426.5	393.8	360.4
40°	347.6	385.1	421.7	448.9	476.0	484.7	479.9	470.4	457.6	413.8	369.9
42.5°	392.2	429.7	467.2	499.1	530.2	535.8	528.6	513.4	491.1	431.3	370.7
45°	440.9	478.3	515.0	550.9	586.8	590.8	581.2	558.9	526.2	448.1	369.9
47.5°	495.1	524.6	554.1	605.1	656.1	651.4	637.0	611.5	568.4	468.0	366.7
50°	554.9	578.0	600.3	664.1	727.9	713.5	697.6	669.7	613.1	491.1	368.3
52.5°	610.7	633.0	655.3	721.5	786.9	773.3	755.8	731.1	658.5	515.8	372.3
55°	672.9	696.8	720.7	790.9	861.0	837.9	815.6	799.6	703.2	536.5	369.9
57.5°	740.6	770.9	801.2	865.8	929.6	904.9	892.1	871.4	752.6	561.3	369.9
60°	808.4	845.1	881.8	938.4	995.0	975.0	972.6	943.9	798.8	579.6	359.6
62.5°	868.2	923.2	978.2	1022.9	1066.7	1047.6	1048.4	1014.9	841.9	583.6	324.5
65°	928.8	999.7	1069.9	1102.6	1135.3	1121.7	1135.3	1075.5	870.6	567.6	264.7
67.5°	988.6	1066.7	1144.8	1169.6	1194.3	1186.3	1202.3	1095.4	864.2	526.2	187.4
70°	1030.0	1113.0	1195.9	1208.6	1221.4	1219.8	1225.4	1070.7	821.2	472.8	123.6
72.5°	1052.4	1130.5	1207.8	1213.4	1218.2	1215.8	1192.7	993.4	743.8	414.6	85.3
75°	1038.0	1113.8	1189.5	1178.3	1167.2	1144.8	1067.5	855.4	609.9	336.4	63.0
77.5°	961.5	1043.6	1125.7	1097.0	1067.5	1002.1	872.2	641.0	424.1	236.8	48.6
80°	721.5	822.8	924.0	889.7	854.7	716.7	531.0	358.8	219.2	128.4	37.5
82.5°	349.2	405.8	462.4	453.6	444.9	329.3	229.6	129.2	63.0	46.2	29.5
85°	92.5	137.1	181.8	173.8	165.8	87.7	38.3	33.5	24.7	23.1	20.7
87.5°	11.2	12.8	13.6	9.6	4.8	4.0	4.0	2.4	2.4	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1	259.1
2.5°	261.5	262.3	262.3	262.3	262.3	262.3	255.9	249.5	247.9	246.3	243.2
5°	251.9	244.0	238.4	232.8	232.8	232.0	234.4	236.8	238.4	239.2	240.0
7.5°	224.0	224.8	229.6	233.6	237.6	240.8	243.2	244.8	243.2	240.8	231.2
10°	183.4	184.2	188.2	191.3	196.9	201.7	215.3	228.0	243.2	258.3	262.3
12.5°	174.6	185.8	179.4	173.0	190.5	207.3	224.8	241.6	253.5	264.7	256.7
15°	177.8	165.0	167.4	169.8	191.3	212.9	200.1	186.6	218.4	250.3	257.5
17.5°	177.0	177.0	188.9	200.9	181.0	160.2	189.7	218.4	231.2	243.2	233.6
20°	188.9	165.8	174.6	182.6	198.5	213.7	200.9	188.2	192.9	197.7	228.8
22.5°	196.9	215.3	195.3	174.6	188.9	203.3	200.9	198.5	212.9	227.2	219.2
25°	205.7	177.0	191.3	204.9	188.9	172.2	185.0	196.9	192.9	188.9	213.7
27.5°	236.0	216.1	197.7	179.4	188.9	197.7	188.2	177.8	181.8	185.8	184.2
30°	285.4	236.0	212.9	189.7	177.8	165.0	165.8	166.6	171.4	176.2	189.7
32.5°	298.2	252.7	219.2	185.8	177.8	169.8	162.6	154.7	161.8	169.0	185.0
35°	301.4	251.1	215.3	179.4	166.6	153.9	149.1	144.3	156.3	168.2	182.6
37.5°	299.8	238.4	200.1	161.8	152.3	142.7	140.3	137.1	145.1	152.3	162.6
40°	295.8	221.6	183.4	145.1	137.1	129.2	127.6	126.0	131.5	137.1	143.5
42.5°	288.6	205.7	167.4	129.2	123.6	118.0	116.4	114.0	118.8	123.6	126.0
45°	279.8	189.7	153.9	117.2	113.2	108.4	106.0	102.8	107.6	111.6	112.4
47.5°	271.1	174.6	141.9	108.4	105.2	101.3	98.9	95.7	99.7	102.8	103.6
50°	263.9	158.7	129.2	99.7	96.5	93.3	90.9	88.5	92.5	95.7	95.7
52.5°	259.9	146.7	118.0	89.3	87.7	86.1	85.3	83.7	86.9	90.1	90.9
55°	250.3	130.0	105.2	79.7	80.5	80.5	79.7	78.1	84.5	90.1	92.5
57.5°	240.0	110.0	91.7	72.5	74.1	75.7	76.5	77.3	84.5	90.9	94.1
60°	226.4	93.3	79.7	66.2	68.6	70.2	74.1	77.3	83.7	90.1	91.7
62.5°	202.5	79.7	70.2	60.6	63.8	67.0	71.8	76.5	81.3	86.1	86.1
65°	167.4	69.4	63.0	55.8	60.6	64.6	70.2	75.7	79.7	82.9	82.1
67.5°	125.2	62.2	57.4	51.8	57.4	62.2	67.0	71.8	76.5	81.3	79.7
70°	90.1	55.8	52.6	48.6	53.4	58.2	63.0	67.8	72.5	77.3	76.5
72.5°	68.6	51.0	47.8	44.6	49.4	53.4	59.0	64.6	69.4	74.1	72.5
75°	55.0	46.2	43.8	40.7	45.4	50.2	55.8	60.6	65.4	70.2	68.6
77.5°	45.4	41.5	39.1	36.7	40.7	44.6	50.2	55.8	60.6	64.6	63.0
80°	36.7	35.1	33.5	31.1	35.9	39.9	45.4	50.2	54.2	58.2	55.8
82.5°	28.7	27.9	27.1	25.5	29.5	33.5	39.1	44.6	47.8	51.0	49.4
85°	21.5	21.5	20.7	19.9	23.1	25.5	28.7	31.1	34.3	36.7	35.1
87.5°	3.2	3.2	4.8	5.6	5.6	5.6	8.0	10.4	10.4	9.6	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560127

CATALOG NUMBER: SDL-PA1-20-830-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	259.1	259.1	259.1	259.1
2.5°	240.0	240.0	240.0	240.8
5°	240.8	241.6	241.6	243.2
7.5°	220.8	220.0	219.2	219.2
10°	265.5	267.1	267.9	269.5
12.5°	247.9	238.4	228.8	228.8
15°	264.7	266.3	267.1	268.7
17.5°	224.0	223.2	222.4	220.8
20°	259.1	260.7	261.5	261.5
22.5°	211.3	211.3	210.5	210.5
25°	238.4	238.4	238.4	240.0
27.5°	181.8	187.4	192.9	200.1
30°	203.3	204.1	204.9	204.9
32.5°	200.9	211.3	221.6	223.2
35°	196.9	196.9	196.1	196.9
37.5°	173.0	170.6	167.4	169.0
40°	149.1	143.5	137.9	137.1
42.5°	128.4	123.6	118.0	118.0
45°	113.2	110.0	106.0	104.4
47.5°	103.6	100.5	97.3	96.5
50°	94.9	91.7	88.5	88.5
52.5°	91.7	89.3	86.1	85.3
55°	94.9	90.1	85.3	83.7
57.5°	96.5	90.9	85.3	82.9
60°	92.5	89.3	85.3	82.1
62.5°	85.3	83.7	82.1	80.5
65°	80.5	80.5	79.7	78.1
67.5°	78.1	78.9	78.9	77.3
70°	74.9	76.5	77.3	75.7
72.5°	71.0	71.8	71.8	69.4
75°	66.2	65.4	64.6	63.0
77.5°	60.6	59.8	58.2	56.6
80°	53.4	52.6	51.8	49.4
82.5°	47.0	48.6	49.4	40.7
85°	32.7	29.5	26.3	21.5
87.5°	6.4	4.8	2.4	2.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)