

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: P560105

Luminaire Tested: **SDL-PA1-20-827-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560105
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-PA1-20-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2017.9 lumens
Efficiency: N/A
Efficacy: 96.1 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

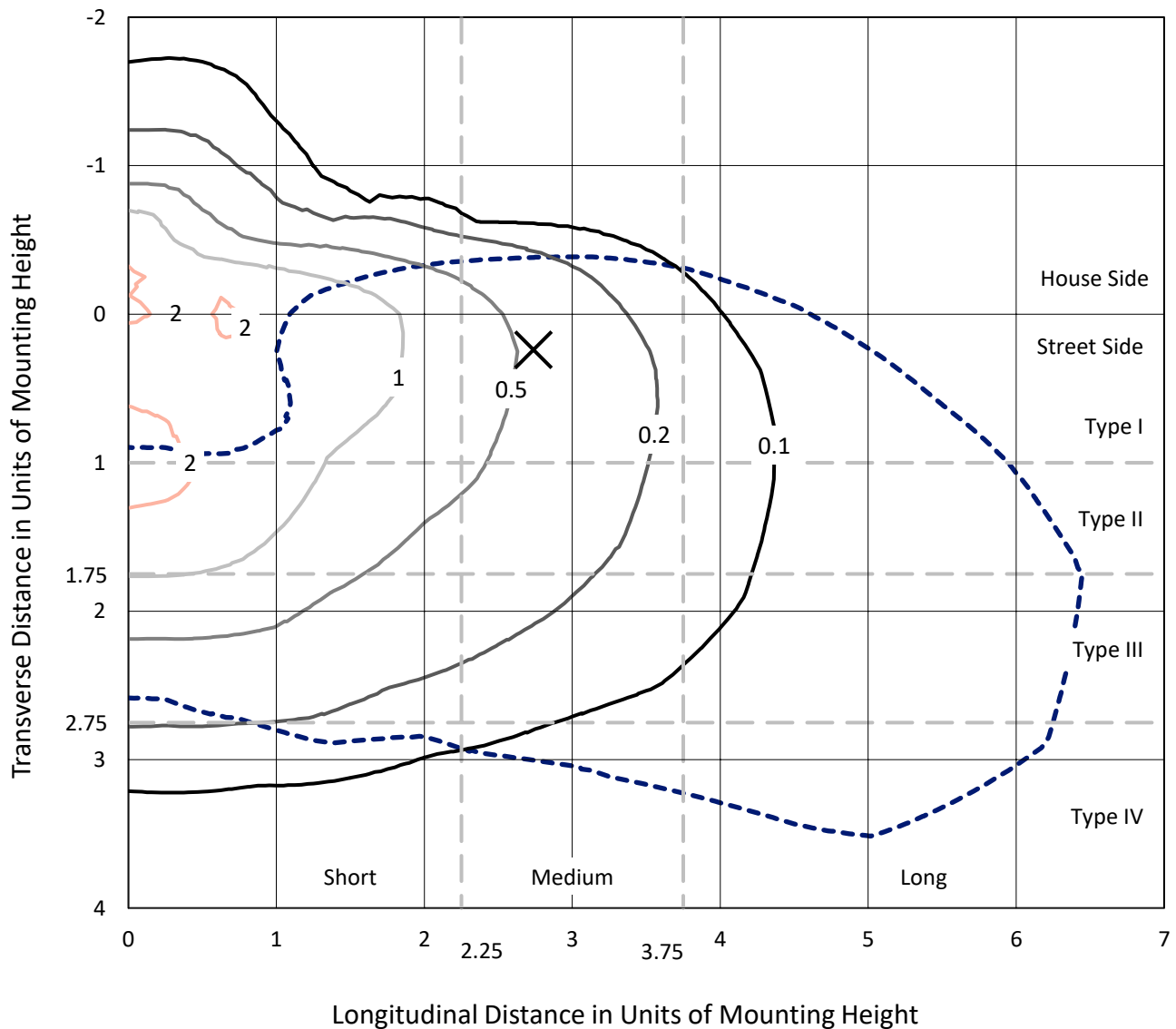


REPORT NUMBER: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

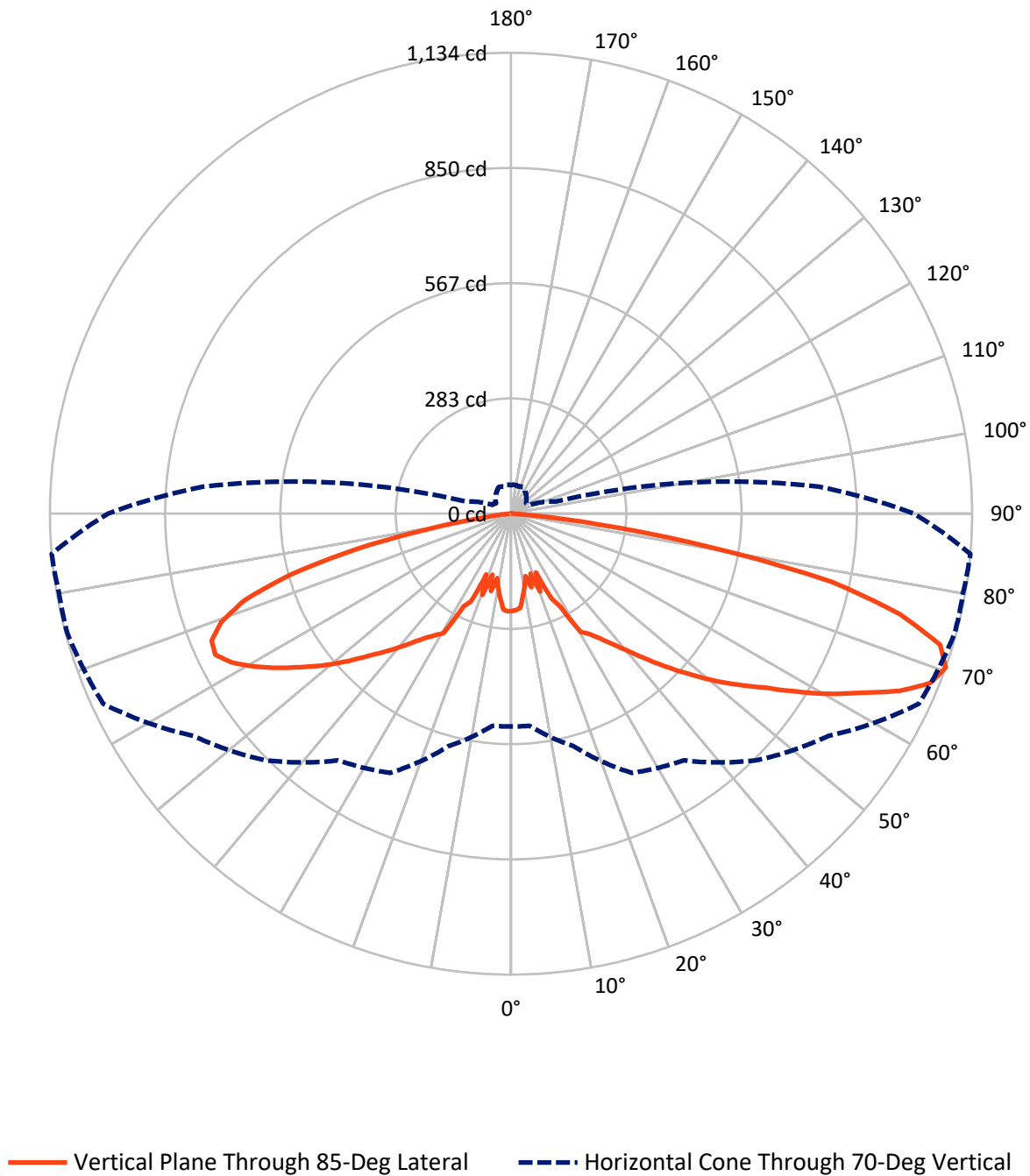


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Medium - N/A

REPORT NUMBER: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

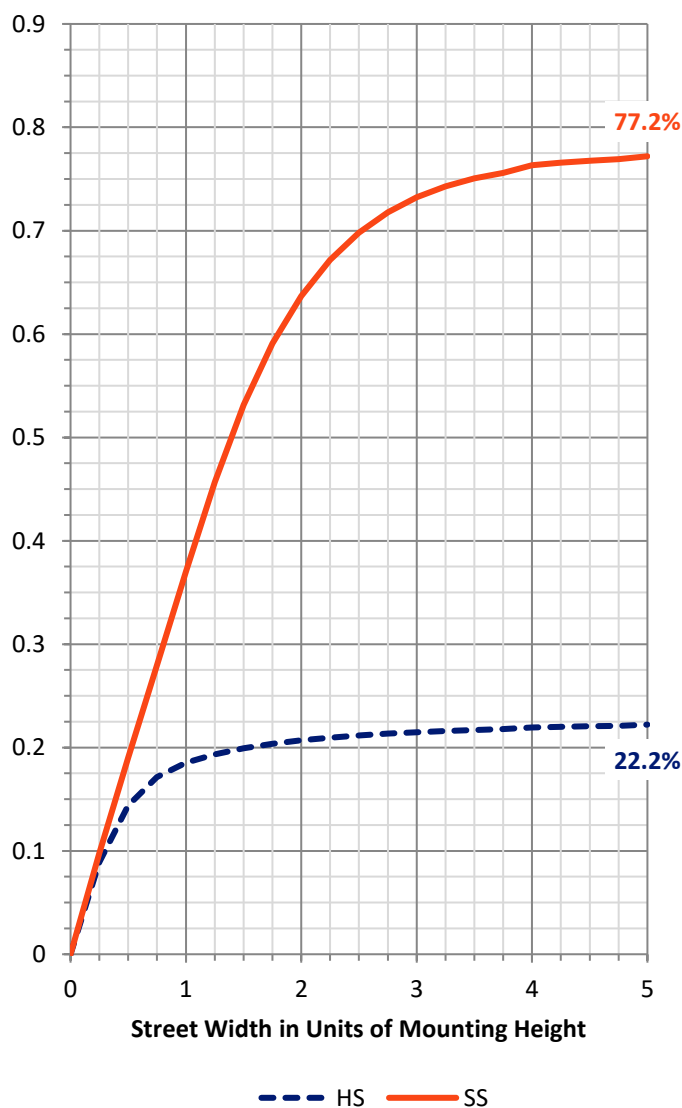
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.3	0.0	456.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	1561.6	0.0	1561.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	2017.9	0.0	2017.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	1.0
10°-20°	48.7	2.4
20°-30°	89.1	4.4
30°-40°	168.2	8.3
40°-50°	274.0	13.6
50°-60°	422.6	20.9
60°-70°	518.0	25.7
70°-80°	405.7	20.1
80°-90°	72.2	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°	2017.9	100.0
0°-180°	2017.9	100.0

Coefficient of Utilization



REPORT NUMBER: P560105

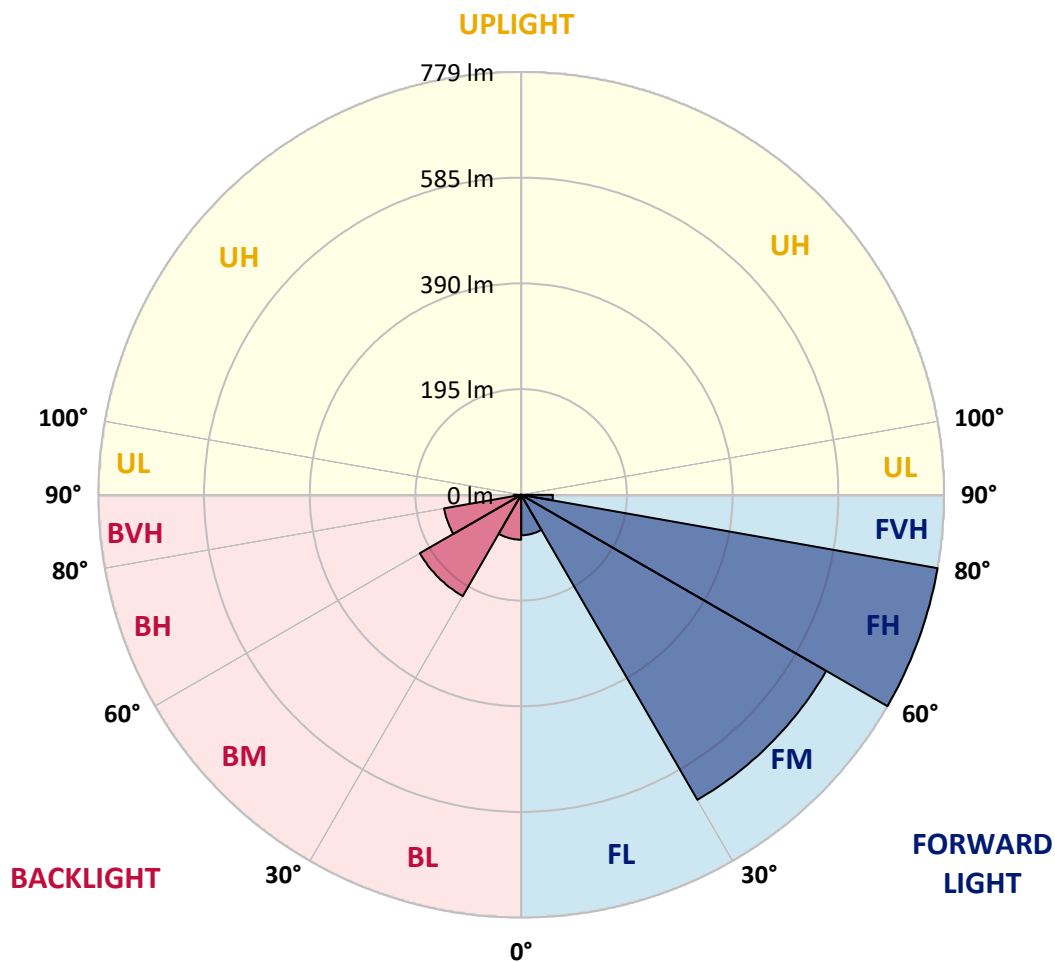
CATALOG NUMBER: SDL-PA1-20-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.5	3.7			
FM	(30°-60°)	649.2	32.2			
FH	(60°-80°)	779.4	38.6			G1/1800
FVH	(80°-90°)	58.5	2.9			G1/100
BL	(0°-30°)	82.8	4.1	B0/110		
BM	(30°-60°)	215.5	10.7	B0/220		
BH	(60°-80°)	144.2	7.1	B1/500		G1/500
BVH	(80°-90°)	13.7	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: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7
2.5°	197.7	215.4	215.4	215.4	219.0	222.0	223.5	224.2	227.2	229.4	230.8
5°	184.4	185.1	185.1	185.1	185.9	186.6	187.3	188.1	189.5	190.3	192.5
7.5°	154.9	157.8	163.7	168.9	172.6	176.3	179.2	181.4	182.9	184.4	185.1
10°	172.6	172.6	172.6	172.6	172.6	172.6	163.7	154.9	155.6	155.6	151.2
12.5°	144.6	149.0	155.6	161.5	166.7	171.1	165.2	159.3	148.2	137.2	137.2
15°	167.4	167.4	166.7	165.9	156.4	146.8	137.9	129.1	135.0	140.9	130.5
17.5°	143.8	144.6	153.4	161.5	160.0	157.8	149.7	140.9	126.9	112.1	126.9
20°	184.4	182.2	177.7	173.3	152.7	132.0	135.7	139.4	143.1	146.0	146.0
22.5°	169.6	171.1	174.1	177.0	174.8	171.8	150.5	129.1	141.6	154.1	143.1
25°	232.3	232.3	223.5	214.6	192.5	169.6	173.3	176.3	154.9	132.8	151.2
27.5°	214.6	213.1	209.5	205.0	209.5	213.1	194.0	174.1	180.0	185.9	170.4
30°	285.4	285.4	281.7	278.0	246.3	213.9	211.7	208.7	196.2	182.9	191.8
32.5°	342.2	341.5	324.5	307.5	289.8	271.4	252.2	232.3	230.8	229.4	227.9
35°	410.1	410.1	400.5	390.9	351.8	312.0	289.1	266.2	259.6	253.0	258.1
37.5°	448.4	453.6	449.9	445.5	402.7	359.2	327.5	295.0	288.4	281.7	283.9
40°	501.5	500.0	499.3	497.8	448.4	399.0	365.1	330.4	326.0	321.6	321.6
42.5°	581.9	573.8	564.9	555.4	505.2	455.1	417.4	379.1	371.0	362.1	362.9
45°	692.5	683.7	663.0	641.7	590.8	539.9	489.7	439.6	425.6	410.8	409.3
47.5°	760.4	750.8	740.5	729.4	674.8	620.3	568.6	516.3	495.6	475.0	466.9
50°	830.5	821.6	813.5	805.4	757.4	709.5	657.9	606.2	573.8	541.3	527.3
52.5°	896.8	880.6	872.5	864.4	823.8	782.5	728.7	674.8	650.5	626.2	595.9
55°	929.3	909.4	906.4	902.7	872.5	841.5	789.9	738.3	711.0	683.0	652.7
57.5°	883.6	885.0	901.3	917.5	900.5	883.6	834.9	786.2	758.9	731.6	708.8
60°	842.3	853.3	873.2	893.1	894.6	895.4	869.5	843.7	813.5	783.3	765.6
62.5°	785.5	793.6	824.6	854.8	877.7	899.8	873.2	846.7	836.4	825.3	814.2
65°	708.8	711.0	746.4	781.0	822.3	862.9	842.3	821.6	839.3	856.3	857.7
67.5°	615.1	621.7	656.4	691.1	741.2	790.6	789.9	789.2	826.8	863.6	889.5
70°	523.6	523.6	557.6	591.5	647.6	703.6	722.0	740.5	798.7	857.0	904.9
72.5°	394.6	413.0	430.7	448.4	511.1	573.1	613.6	654.2	741.2	827.5	900.5
75°	217.6	219.0	234.5	250.0	312.7	375.4	436.6	497.8	614.4	730.9	845.9
77.5°	71.5	69.3	78.2	86.3	123.2	159.3	210.9	262.6	390.9	519.2	704.3
80°	39.8	40.6	43.5	46.5	58.3	69.3	94.4	119.5	174.1	227.9	447.7
82.5°	26.6	27.3	30.2	33.2	38.4	43.5	57.5	70.8	76.0	80.4	202.1
85°	17.0	17.7	19.2	20.7	22.1	22.9	32.5	42.0	38.4	34.7	60.5
87.5°	3.7	3.7	4.4	4.4	5.2	5.9	7.4	8.9	8.1	6.6	8.9
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: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7
2.5°	231.6	233.1	233.8	234.5	235.3	236.7	237.5	238.2	239.7	240.4	240.4
5°	194.7	208.0	220.5	224.9	229.4	231.6	233.1	235.3	236.7	238.2	239.7
7.5°	185.9	186.6	187.3	192.5	197.7	202.1	206.5	208.0	211.7	209.5	206.5
10°	146.0	146.8	146.8	151.9	157.1	172.6	182.9	185.1	187.3	178.5	168.9
12.5°	136.4	140.1	143.8	141.6	139.4	150.5	157.8	160.8	162.3	156.4	150.5
15°	119.5	123.2	126.1	143.1	160.0	174.8	188.1	191.8	196.2	186.6	176.3
17.5°	141.6	140.1	137.9	140.9	143.8	147.5	154.9	157.1	157.1	160.0	163.0
20°	146.0	129.8	113.6	143.8	174.1	187.3	204.3	210.2	211.7	203.6	195.4
22.5°	131.3	149.7	168.2	164.5	160.8	157.1	157.1	159.3	161.5	163.0	164.5
25°	168.9	153.4	137.9	173.3	208.7	222.7	230.8	234.5	237.5	227.2	216.1
27.5°	154.9	175.5	195.4	210.9	226.4	241.9	258.9	275.1	255.2	245.6	236.0
30°	199.9	216.8	233.8	270.7	307.5	327.5	337.8	337.8	337.8	323.8	309.0
32.5°	226.4	255.9	285.4	305.3	324.5	344.4	352.5	352.5	352.5	335.6	317.9
35°	262.6	286.2	309.8	332.6	355.5	371.0	376.9	374.7	370.2	347.4	324.5
37.5°	286.2	317.9	349.6	373.2	396.1	405.6	407.9	401.2	394.6	364.3	333.4
40°	321.6	356.2	390.2	415.2	440.3	448.4	444.0	435.1	423.3	382.8	342.2
42.5°	362.9	397.5	432.2	461.7	490.5	495.6	489.0	475.0	454.3	399.0	343.0
45°	407.9	442.5	476.4	509.6	542.8	546.5	537.7	517.0	486.8	414.5	342.2
47.5°	458.0	485.3	512.6	559.8	607.0	602.6	589.3	565.7	525.9	432.9	339.3
50°	513.3	534.7	555.4	614.4	673.4	660.1	645.3	619.5	567.2	454.3	340.7
52.5°	564.9	585.6	606.2	667.5	727.9	715.4	699.2	676.3	609.2	477.2	344.4
55°	622.5	644.6	666.7	731.6	796.5	775.1	754.5	739.7	650.5	496.4	342.2
57.5°	685.2	713.2	741.2	801.0	860.0	837.1	825.3	806.1	696.2	519.2	342.2
60°	747.9	781.8	815.7	868.1	920.4	902.0	899.8	873.2	739.0	536.2	332.6
62.5°	803.2	854.1	904.9	946.2	986.8	969.1	969.9	938.9	778.8	539.9	300.2
65°	859.2	924.9	989.8	1020.0	1050.2	1037.7	1050.2	994.9	805.4	525.1	244.9
67.5°	914.5	986.8	1059.1	1082.0	1104.8	1097.4	1112.2	1013.4	799.5	486.8	173.3
70°	952.9	1029.6	1106.3	1118.1	1129.9	1128.4	1133.6	990.5	759.7	437.4	114.3
72.5°	973.5	1045.8	1117.4	1122.5	1126.9	1124.7	1103.3	919.0	688.1	383.5	78.9
75°	960.3	1030.3	1100.4	1090.1	1079.7	1059.1	987.6	791.4	564.2	311.2	58.3
77.5°	889.5	965.4	1041.4	1014.8	987.6	927.1	806.9	593.0	392.4	219.0	45.0
80°	667.5	761.1	854.8	823.1	790.6	663.0	491.2	331.9	202.8	118.7	34.7
82.5°	323.0	375.4	427.8	419.7	411.5	304.6	212.4	119.5	58.3	42.8	27.3
85°	85.6	126.9	168.2	160.8	153.4	81.1	35.4	31.0	22.9	21.4	19.2
87.5°	10.3	11.8	12.5	8.9	4.4	3.7	3.7	2.2	2.2	3.0	3.0
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: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7	239.7
2.5°	241.9	242.6	242.6	242.6	242.6	242.6	236.7	230.8	229.4	227.9	224.9
5°	233.1	225.7	220.5	215.4	215.4	214.6	216.8	219.0	220.5	221.3	222.0
7.5°	207.2	208.0	212.4	216.1	219.8	222.7	224.9	226.4	224.9	222.7	213.9
10°	169.6	170.4	174.1	177.0	182.2	186.6	199.1	210.9	224.9	239.0	242.6
12.5°	161.5	171.8	165.9	160.0	176.3	191.8	208.0	223.5	234.5	244.9	237.5
15°	164.5	152.7	154.9	157.1	177.0	196.9	185.1	172.6	202.1	231.6	238.2
17.5°	163.7	163.7	174.8	185.9	167.4	148.2	175.5	202.1	213.9	224.9	216.1
20°	174.8	153.4	161.5	168.9	183.6	197.7	185.9	174.1	178.5	182.9	211.7
22.5°	182.2	199.1	180.7	161.5	174.8	188.1	185.9	183.6	196.9	210.2	202.8
25°	190.3	163.7	177.0	189.5	174.8	159.3	171.1	182.2	178.5	174.8	197.7
27.5°	218.3	199.9	182.9	165.9	174.8	182.9	174.1	164.5	168.2	171.8	170.4
30°	264.0	218.3	196.9	175.5	164.5	152.7	153.4	154.1	158.6	163.0	175.5
32.5°	275.8	233.8	202.8	171.8	164.5	157.1	150.5	143.1	149.7	156.4	171.1
35°	278.8	232.3	199.1	165.9	154.1	142.3	137.9	133.5	144.6	155.6	168.9
37.5°	277.3	220.5	185.1	149.7	140.9	132.0	129.8	126.9	134.2	140.9	150.5
40°	273.6	205.0	169.6	134.2	126.9	119.5	118.0	116.5	121.7	126.9	132.8
42.5°	267.0	190.3	154.9	119.5	114.3	109.2	107.7	105.5	109.9	114.3	116.5
45°	258.9	175.5	142.3	108.4	104.7	100.3	98.1	95.1	99.6	103.3	104.0
47.5°	250.8	161.5	131.3	100.3	97.4	93.7	91.5	88.5	92.2	95.1	95.9
50°	244.1	146.8	119.5	92.2	89.2	86.3	84.1	81.9	85.6	88.5	88.5
52.5°	240.4	135.7	109.2	82.6	81.1	79.7	78.9	77.4	80.4	83.3	84.1
55°	231.6	120.2	97.4	73.8	74.5	74.5	73.8	72.3	78.2	83.3	85.6
57.5°	222.0	101.8	84.8	67.1	68.6	70.1	70.8	71.5	78.2	84.1	87.0
60°	209.5	86.3	73.8	61.2	63.4	64.9	68.6	71.5	77.4	83.3	84.8
62.5°	187.3	73.8	64.9	56.1	59.0	62.0	66.4	70.8	75.2	79.7	79.7
65°	154.9	64.2	58.3	51.6	56.1	59.7	64.9	70.1	73.8	76.7	76.0
67.5°	115.8	57.5	53.1	47.9	53.1	57.5	62.0	66.4	70.8	75.2	73.8
70°	83.3	51.6	48.7	45.0	49.4	53.8	58.3	62.7	67.1	71.5	70.8
72.5°	63.4	47.2	44.3	41.3	45.7	49.4	54.6	59.7	64.2	68.6	67.1
75°	50.9	42.8	40.6	37.6	42.0	46.5	51.6	56.1	60.5	64.9	63.4
77.5°	42.0	38.4	36.1	33.9	37.6	41.3	46.5	51.6	56.1	59.7	58.3
80°	33.9	32.5	31.0	28.8	33.2	36.9	42.0	46.5	50.2	53.8	51.6
82.5°	26.6	25.8	25.1	23.6	27.3	31.0	36.1	41.3	44.3	47.2	45.7
85°	19.9	19.9	19.2	18.4	21.4	23.6	26.6	28.8	31.7	33.9	32.5
87.5°	3.0	3.0	4.4	5.2	5.2	5.2	7.4	9.6	9.6	8.9	7.4
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: P560105

CATALOG NUMBER: SDL-PA1-20-827-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	239.7	239.7	239.7	239.7
2.5°	222.0	222.0	222.0	222.7
5°	222.7	223.5	223.5	224.9
7.5°	204.3	203.6	202.8	202.8
10°	245.6	247.1	247.8	249.3
12.5°	229.4	220.5	211.7	211.7
15°	244.9	246.3	247.1	248.5
17.5°	207.2	206.5	205.8	204.3
20°	239.7	241.2	241.9	241.9
22.5°	195.4	195.4	194.7	194.7
25°	220.5	220.5	220.5	222.0
27.5°	168.2	173.3	178.5	185.1
30°	188.1	188.8	189.5	189.5
32.5°	185.9	195.4	205.0	206.5
35°	182.2	182.2	181.4	182.2
37.5°	160.0	157.8	154.9	156.4
40°	137.9	132.8	127.6	126.9
42.5°	118.7	114.3	109.2	109.2
45°	104.7	101.8	98.1	96.6
47.5°	95.9	92.9	90.0	89.2
50°	87.8	84.8	81.9	81.9
52.5°	84.8	82.6	79.7	78.9
55°	87.8	83.3	78.9	77.4
57.5°	89.2	84.1	78.9	76.7
60°	85.6	82.6	78.9	76.0
62.5°	78.9	77.4	76.0	74.5
65°	74.5	74.5	73.8	72.3
67.5°	72.3	73.0	73.0	71.5
70°	69.3	70.8	71.5	70.1
72.5°	65.6	66.4	66.4	64.2
75°	61.2	60.5	59.7	58.3
77.5°	56.1	55.3	53.8	52.4
80°	49.4	48.7	47.9	45.7
82.5°	43.5	45.0	45.7	37.6
85°	30.2	27.3	24.3	19.9
87.5°	5.9	4.4	2.2	2.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)