

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: P560123

Luminaire Tested: **SDL-PA1-20-830-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
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-T2U
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.5 lumens
Efficiency: N/A
Efficacy: 105.5 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: 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

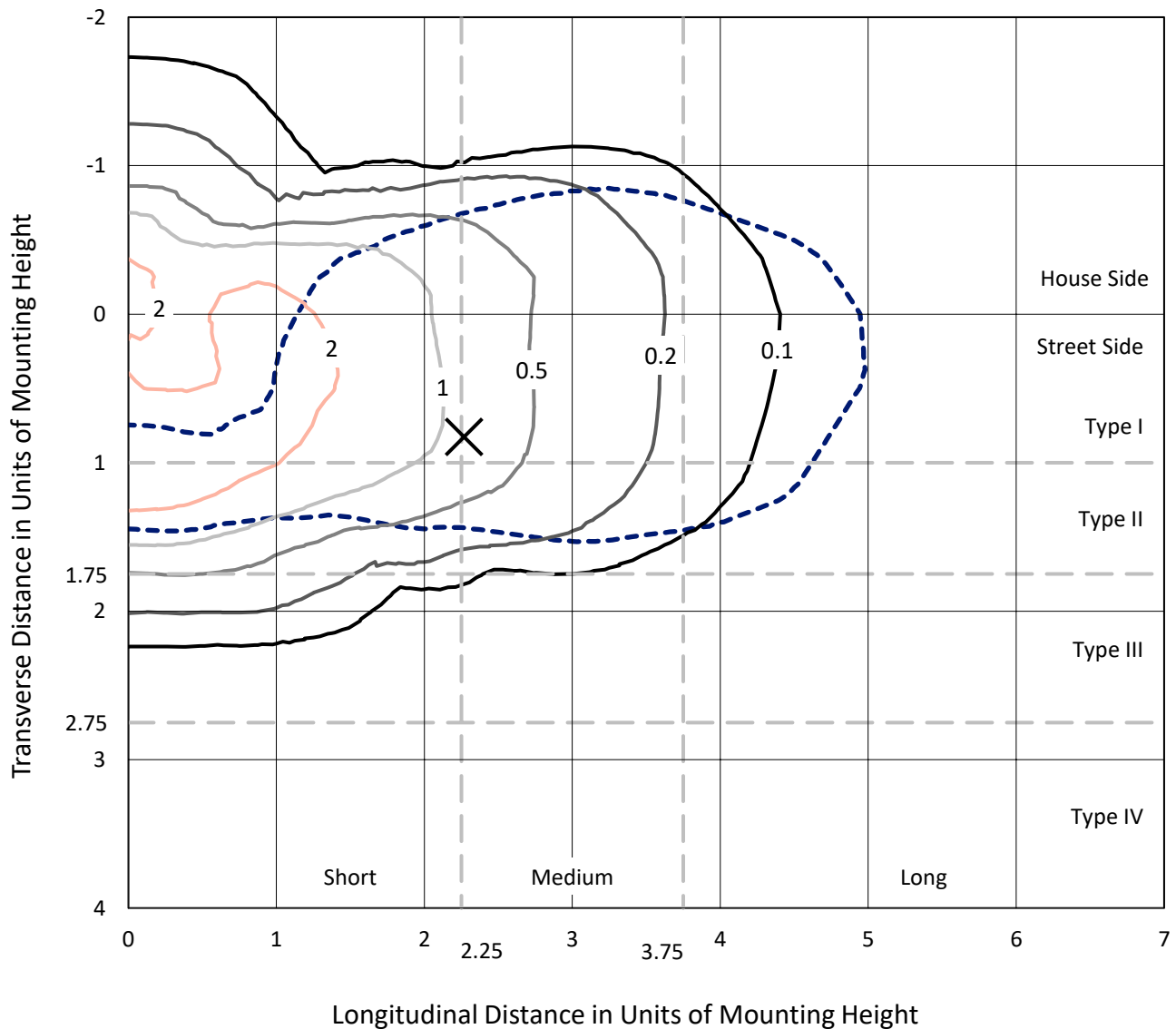


REPORT NUMBER: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

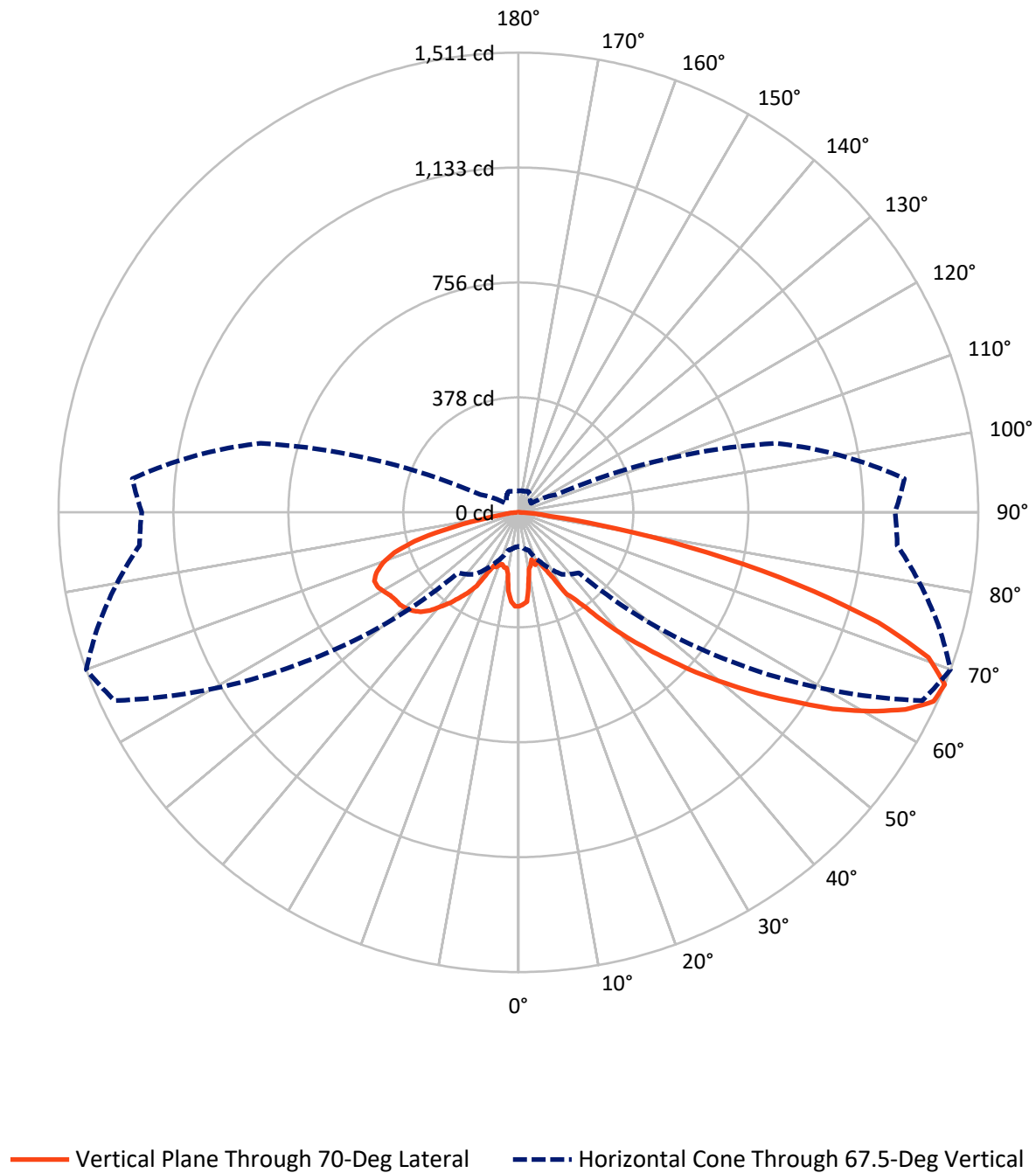


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

REPORT NUMBER: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

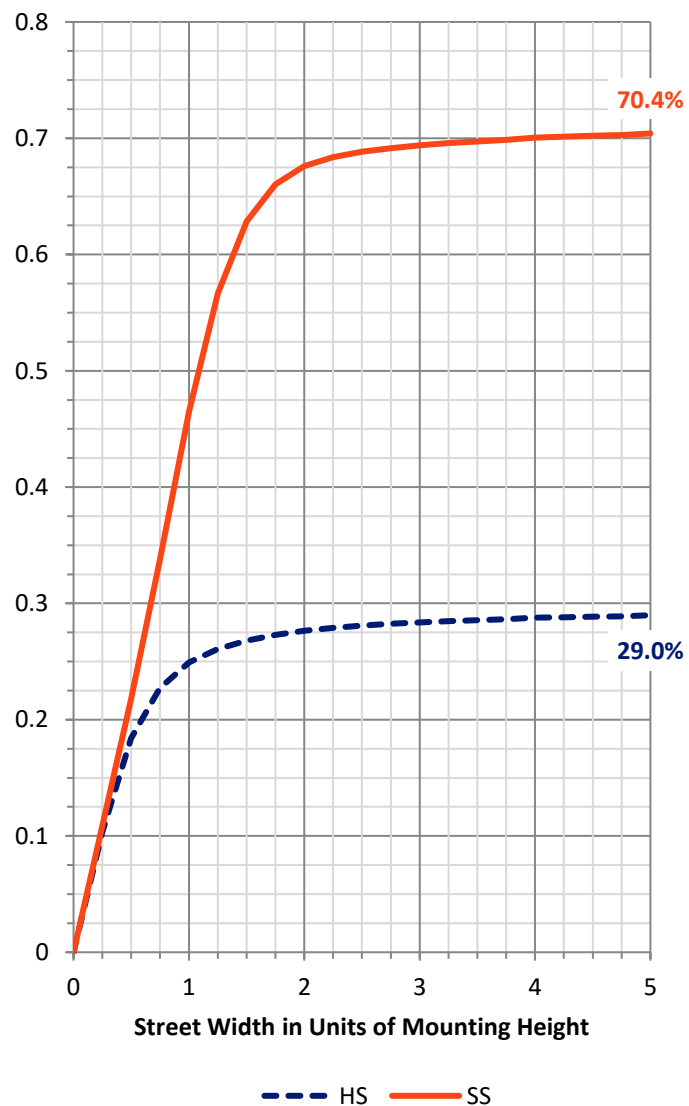
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.7	0.0	649.7
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1565.8	0.0	1565.8
	% Fixture	70.7	0.0	70.7
Total	Lumens	2215.5	0.0	2215.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.1
10°-20°	58.0	2.6
20°-30°	103.1	4.7
30°-40°	217.9	9.8
40°-50°	398.8	18.0
50°-60°	544.1	24.6
60°-70°	512.9	23.2
70°-80°	310.4	14.0
80°-90°	45.6	2.1
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°	2215.5	100.0
0°-180°	2215.5	100.0

Coefficient of Utilization



REPORT NUMBER: P560123

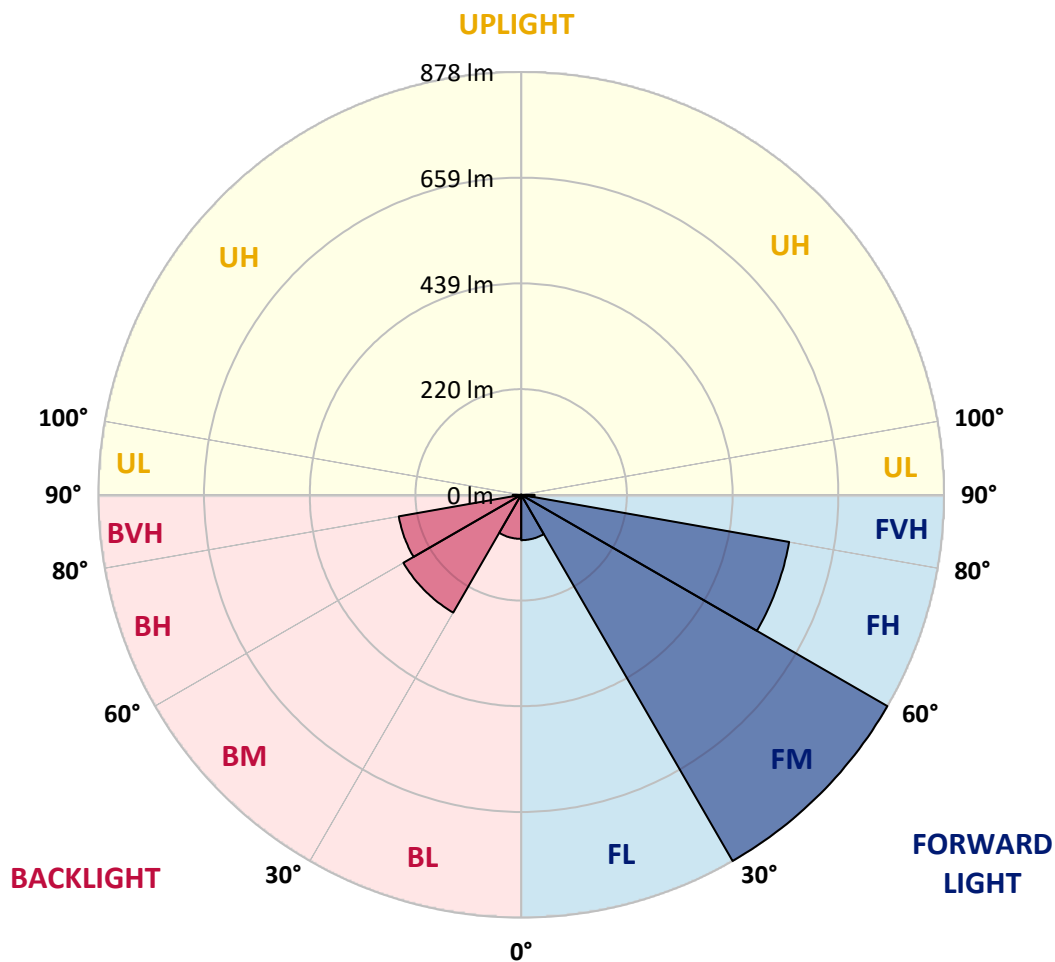
CATALOG NUMBER: SDL-PA1-20-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.3	4.3			
FM	(30°-60°)	878.3	39.6			
FH	(60°-80°)	565.2	25.5			G0/660
FVH	(80°-90°)	28.0	1.3			G1/100
BL	(0°-30°)	91.5	4.1	B0/110		
BM	(30°-60°)	282.4	12.7	B1/1000		
BH	(60°-80°)	258.1	11.7	B1/500		G1/500
BVH	(80°-90°)	17.6	0.8			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 II Medium



REPORT NUMBER: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	259.1	261.4	277.4	293.3	294.1	294.1	294.9	295.7	298.1	299.7	301.3
5°	241.5	243.1	243.1	243.1	243.9	244.7	245.5	245.5	247.1	247.9	249.5
7.5°	202.5	218.4	224.0	228.8	232.0	234.3	235.9	237.5	239.1	240.7	242.3
10°	230.4	230.4	231.2	231.2	231.2	230.4	214.4	197.7	205.7	213.6	201.7
12.5°	189.7	192.9	207.2	220.8	224.8	228.0	220.0	211.2	196.9	182.5	180.9
15°	225.6	225.6	225.6	224.8	210.4	195.3	180.1	164.2	173.8	183.3	169.0
17.5°	195.3	195.3	207.2	218.4	217.6	216.0	202.5	188.1	165.8	142.7	161.0
20°	246.3	245.5	241.5	236.7	207.2	177.8	184.1	190.5	192.1	192.9	187.3
22.5°	220.0	220.8	225.6	230.4	231.2	232.0	197.7	162.6	182.5	202.5	183.3
25°	306.1	304.5	297.3	289.3	256.7	223.2	229.6	235.9	203.3	169.8	190.5
27.5°	290.9	286.2	283.0	279.8	285.4	290.9	260.6	229.6	236.7	243.9	217.6
30°	416.1	416.1	408.1	399.3	349.9	299.7	291.7	283.8	264.6	244.7	249.5
32.5°	526.9	526.9	497.4	467.1	437.6	408.1	369.1	330.0	322.0	313.3	305.3
35°	663.2	659.2	642.5	624.9	561.2	497.4	447.2	397.0	381.0	365.1	357.1
37.5°	790.7	781.9	758.8	734.9	668.0	600.2	534.1	467.9	450.4	432.8	415.3
40°	895.9	891.2	875.2	858.5	782.7	707.0	632.1	556.4	533.3	510.1	484.6
42.5°	992.4	988.4	974.0	958.9	884.0	808.3	737.3	665.6	631.3	597.0	566.7
45°	1063.3	1056.9	1047.4	1037.0	977.2	916.7	844.9	772.4	758.8	745.3	686.3
47.5°	1085.6	1074.5	1072.9	1071.3	1023.5	975.6	918.3	860.9	863.3	865.6	797.1
50°	1053.0	1036.2	1043.4	1050.6	1031.4	1011.5	966.9	922.2	942.2	961.3	907.1
52.5°	934.2	930.2	948.5	966.1	970.9	975.6	966.1	955.7	992.4	1029.0	1009.1
55°	770.8	788.3	813.8	839.3	859.3	878.4	906.3	934.2	997.2	1060.1	1074.5
57.5°	607.4	625.7	655.2	684.7	707.8	730.9	788.3	845.7	940.6	1035.4	1100.0
60°	408.9	428.0	476.7	524.5	557.2	589.8	641.7	693.5	813.0	932.6	1063.3
62.5°	272.6	266.2	306.9	346.7	399.3	452.0	475.1	497.4	622.5	746.9	958.1
65°	167.4	168.2	184.1	199.3	257.5	314.9	333.2	350.7	421.7	492.6	780.4
67.5°	112.4	114.8	122.0	129.1	157.0	184.9	216.8	248.7	265.4	281.4	569.1
70°	99.6	100.4	103.6	106.8	114.8	122.8	152.2	181.7	172.2	161.8	322.8
72.5°	87.7	88.5	94.1	98.8	102.8	106.8	124.3	141.9	130.7	119.6	161.0
75°	71.7	74.1	79.7	84.5	92.5	99.6	103.6	107.6	102.0	95.7	103.6
77.5°	59.0	60.6	64.6	68.6	76.5	83.7	87.7	91.7	82.9	74.1	78.9
80°	46.2	47.0	50.2	53.4	59.8	65.4	70.1	74.1	66.2	57.4	59.8
82.5°	27.9	28.7	33.5	37.5	43.0	47.8	51.0	53.4	55.8	57.4	50.2
85°	15.1	15.1	18.3	21.5	22.3	23.1	26.3	28.7	35.9	42.2	36.7
87.5°	2.4	2.4	3.2	3.2	4.8	5.6	6.4	6.4	7.2	7.2	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: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	302.1	302.9	302.9	302.9	303.7	304.5	305.3	305.3	306.1	306.9	307.7
5°	251.1	271.8	291.7	294.9	297.3	298.9	300.5	301.3	302.9	304.5	305.3
7.5°	243.9	243.9	243.9	238.3	259.1	261.4	263.8	265.4	267.0	265.4	263.0
10°	188.9	188.9	188.1	189.7	198.5	213.6	228.0	229.6	231.2	218.4	204.9
12.5°	178.5	180.9	183.3	179.3	163.4	177.0	190.5	192.9	193.7	182.5	170.6
15°	153.8	154.6	155.4	161.0	193.7	207.2	220.8	223.2	225.6	213.6	200.9
17.5°	178.5	173.0	166.6	181.7	169.0	177.8	185.7	166.6	184.1	180.9	177.8
20°	181.7	162.6	142.7	169.8	198.5	212.0	224.8	226.4	227.2	217.6	207.2
22.5°	164.2	182.5	200.9	182.5	171.4	169.8	168.2	167.4	168.2	173.8	178.5
25°	211.2	188.1	165.0	207.2	233.5	239.9	246.3	243.1	241.5	229.6	217.6
27.5°	191.3	209.6	227.2	244.7	252.7	261.4	269.4	271.8	259.1	246.3	233.5
30°	253.5	264.6	275.0	310.9	337.2	345.1	353.1	345.1	340.4	324.4	307.7
32.5°	296.5	318.8	341.2	340.4	365.1	371.4	377.0	366.7	357.9	340.4	322.0
35°	349.1	363.5	377.8	385.8	410.5	412.9	415.3	401.7	389.0	368.3	347.5
37.5°	397.7	416.1	433.6	453.5	475.1	470.3	464.7	448.0	427.2	411.3	395.4
40°	458.3	480.6	503.0	528.5	541.2	534.1	526.1	500.6	480.6	463.9	447.2
42.5°	535.6	559.6	582.7	605.0	609.8	601.8	593.0	565.1	534.9	518.1	500.6
45°	626.5	645.6	664.8	687.9	697.5	683.1	668.0	632.9	597.0	573.1	549.2
47.5°	727.7	736.5	745.3	785.1	797.9	774.0	749.3	711.0	660.8	629.7	597.8
50°	852.9	850.5	847.3	882.4	911.9	872.0	831.4	786.7	737.3	693.5	648.8
52.5°	989.2	966.1	942.2	989.2	1003.5	955.7	907.9	860.1	810.6	754.1	696.7
55°	1088.8	1076.1	1063.3	1096.8	1095.2	1039.4	982.8	926.2	885.6	809.8	734.1
57.5°	1163.8	1174.9	1185.3	1218.8	1180.5	1116.7	1053.0	996.4	961.3	866.4	771.6
60°	1193.2	1250.6	1307.2	1327.2	1269.0	1197.2	1124.7	1068.9	1039.4	924.6	809.8
62.5°	1169.3	1296.1	1422.8	1426.8	1350.3	1269.8	1189.3	1143.8	1128.7	987.6	845.7
65°	1068.1	1276.9	1485.0	1499.3	1413.2	1328.8	1243.5	1210.0	1219.6	1046.6	872.8
67.5°	856.1	1160.6	1464.3	1511.3	1428.4	1339.1	1249.8	1237.9	1273.8	1075.3	876.8
70°	483.8	891.9	1299.3	1430.0	1386.1	1297.7	1208.4	1214.0	1267.4	1059.3	851.3
72.5°	201.7	617.0	1032.2	1237.1	1275.4	1200.4	1124.7	1145.4	1182.1	984.4	785.9
75°	111.6	393.8	675.9	948.5	1066.5	1046.6	1025.9	1049.0	1031.4	840.1	648.8
77.5°	82.9	212.8	342.8	635.3	802.7	848.1	892.7	903.9	805.9	613.8	421.7
80°	62.2	101.2	139.5	324.4	430.4	511.7	593.0	542.8	474.3	331.6	188.9
82.5°	43.0	58.2	73.3	104.4	167.4	192.9	217.6	207.2	155.4	109.2	62.2
85°	30.3	38.3	46.2	57.4	71.7	57.4	43.0	35.1	40.7	37.5	34.3
87.5°	8.0	8.0	7.2	8.0	5.6	4.8	4.0	3.2	3.2	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: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5	308.5
2.5°	308.5	309.3	309.3	309.3	309.3	308.5	304.5	300.5	290.9	281.4	278.2
5°	294.9	284.6	276.6	268.6	268.6	268.6	270.2	271.8	272.6	273.4	274.2
7.5°	263.0	262.2	265.4	268.6	271.0	273.4	275.0	276.6	273.4	270.2	263.0
10°	205.7	205.7	209.6	212.8	218.4	224.0	239.9	255.9	269.4	283.0	285.4
12.5°	186.5	201.7	192.9	183.3	203.3	223.2	240.7	257.5	271.0	283.8	273.4
15°	187.3	173.0	176.2	179.3	200.9	222.4	206.4	189.7	221.6	252.7	259.9
17.5°	178.5	179.3	193.7	208.0	186.5	164.2	192.1	220.0	232.0	243.1	232.8
20°	183.3	158.6	175.4	192.1	207.2	221.6	207.2	192.1	196.1	200.1	227.2
22.5°	193.7	208.8	194.5	180.1	197.7	214.4	207.2	200.1	212.8	224.8	213.6
25°	192.9	167.4	191.3	215.2	199.3	182.5	191.3	200.1	193.7	186.5	207.2
27.5°	222.4	211.2	204.9	197.7	206.4	215.2	196.9	178.5	178.5	178.5	176.2
30°	278.2	248.7	235.9	222.4	200.9	179.3	173.0	166.6	167.4	168.2	180.1
32.5°	310.9	299.7	261.4	223.2	203.3	183.3	166.6	149.9	151.4	153.0	168.2
35°	339.6	330.8	279.8	228.0	195.3	161.8	147.5	132.3	139.5	145.9	158.6
37.5°	372.2	348.3	279.0	208.8	173.8	138.7	129.9	121.2	125.9	129.9	137.9
40°	401.7	355.5	271.8	187.3	152.2	116.4	112.4	107.6	111.6	115.6	120.4
42.5°	433.6	365.9	261.4	156.2	128.3	100.4	98.8	97.2	101.2	105.2	108.4
45°	458.3	367.5	247.9	127.5	109.2	90.9	90.9	90.1	94.1	97.2	98.8
47.5°	474.3	349.9	226.4	102.0	94.1	86.1	86.9	86.9	90.1	92.5	93.3
50°	485.4	321.2	205.7	90.1	86.1	82.1	82.1	82.1	85.3	87.7	89.3
52.5°	493.4	289.3	186.5	82.9	81.3	78.9	78.9	78.1	82.1	86.1	86.9
55°	495.8	256.7	167.4	77.3	75.7	74.1	75.7	76.5	81.3	85.3	86.1
57.5°	501.4	231.2	151.4	71.7	70.9	70.1	72.5	74.9	79.7	84.5	84.5
60°	512.5	214.4	140.3	66.2	66.2	66.2	70.1	73.3	78.1	82.9	82.1
62.5°	522.9	199.3	129.9	60.6	61.4	62.2	67.0	71.7	76.5	81.3	80.5
65°	524.5	175.4	115.6	55.8	57.4	58.2	63.8	69.3	74.1	78.9	77.3
67.5°	507.0	137.1	94.1	51.0	53.4	55.0	61.4	67.0	71.7	75.7	74.1
70°	475.1	98.0	72.5	47.0	49.4	51.0	57.4	63.0	67.0	70.9	69.3
72.5°	428.0	70.1	56.6	43.0	44.6	46.2	51.8	57.4	62.2	66.2	64.6
75°	353.1	56.6	47.8	39.1	40.7	41.4	47.0	51.8	56.6	60.6	58.2
77.5°	234.3	46.2	40.7	35.1	35.9	36.7	41.4	45.4	49.4	52.6	51.0
80°	113.2	37.5	34.3	30.3	31.1	31.1	35.1	39.1	42.2	44.6	43.8
82.5°	46.2	29.5	27.1	24.7	24.7	24.7	28.7	31.9	35.1	37.5	35.9
85°	28.7	23.1	21.5	19.1	18.3	17.5	19.1	20.7	22.3	23.1	22.3
87.5°	4.0	4.0	4.8	5.6	4.8	3.2	4.8	6.4	6.4	5.6	4.8
90°	0.0	0.0	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560123

CATALOG NUMBER: SDL-PA1-20-830-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	308.5	308.5	308.5	308.5
2.5°	275.0	275.0	275.0	276.6
5°	274.2	274.2	274.2	275.8
7.5°	255.9	247.9	239.9	240.7
10°	287.0	287.8	287.8	288.5
12.5°	262.2	249.5	236.7	238.3
15°	267.0	267.0	266.2	267.0
17.5°	222.4	218.4	214.4	214.4
20°	254.3	254.3	254.3	254.3
22.5°	202.5	201.7	200.9	201.7
25°	228.0	228.8	228.8	228.0
27.5°	173.8	184.1	193.7	194.5
30°	191.3	191.3	191.3	191.3
32.5°	183.3	191.3	199.3	200.1
35°	170.6	169.8	169.0	171.4
37.5°	145.1	143.5	141.9	141.9
40°	125.1	122.0	118.8	118.8
42.5°	110.8	108.4	105.2	104.4
45°	100.4	98.0	94.9	94.9
47.5°	93.3	91.7	90.1	89.3
50°	90.1	88.5	86.9	86.9
52.5°	87.7	86.9	85.3	85.3
55°	86.1	85.3	83.7	83.7
57.5°	84.5	83.7	82.1	82.1
60°	81.3	80.5	79.7	79.7
62.5°	78.9	78.1	77.3	77.3
65°	75.7	75.7	74.9	74.1
67.5°	71.7	71.7	71.7	70.1
70°	67.0	67.0	67.0	65.4
72.5°	62.2	62.2	61.4	59.0
75°	55.8	55.0	54.2	52.6
77.5°	49.4	47.8	46.2	45.4
80°	42.2	40.7	39.1	37.5
82.5°	33.5	32.7	31.1	27.1
85°	20.7	18.3	15.1	13.6
87.5°	4.0	3.2	2.4	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)