

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: P560270

Luminaire Tested: **SDL-PA1-30-827-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-827-U-T2R-A
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2291.2 lumens
Efficiency: N/A
Efficacy: 76.1 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 - U2 - G1

Input Watts (W): 30.1
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

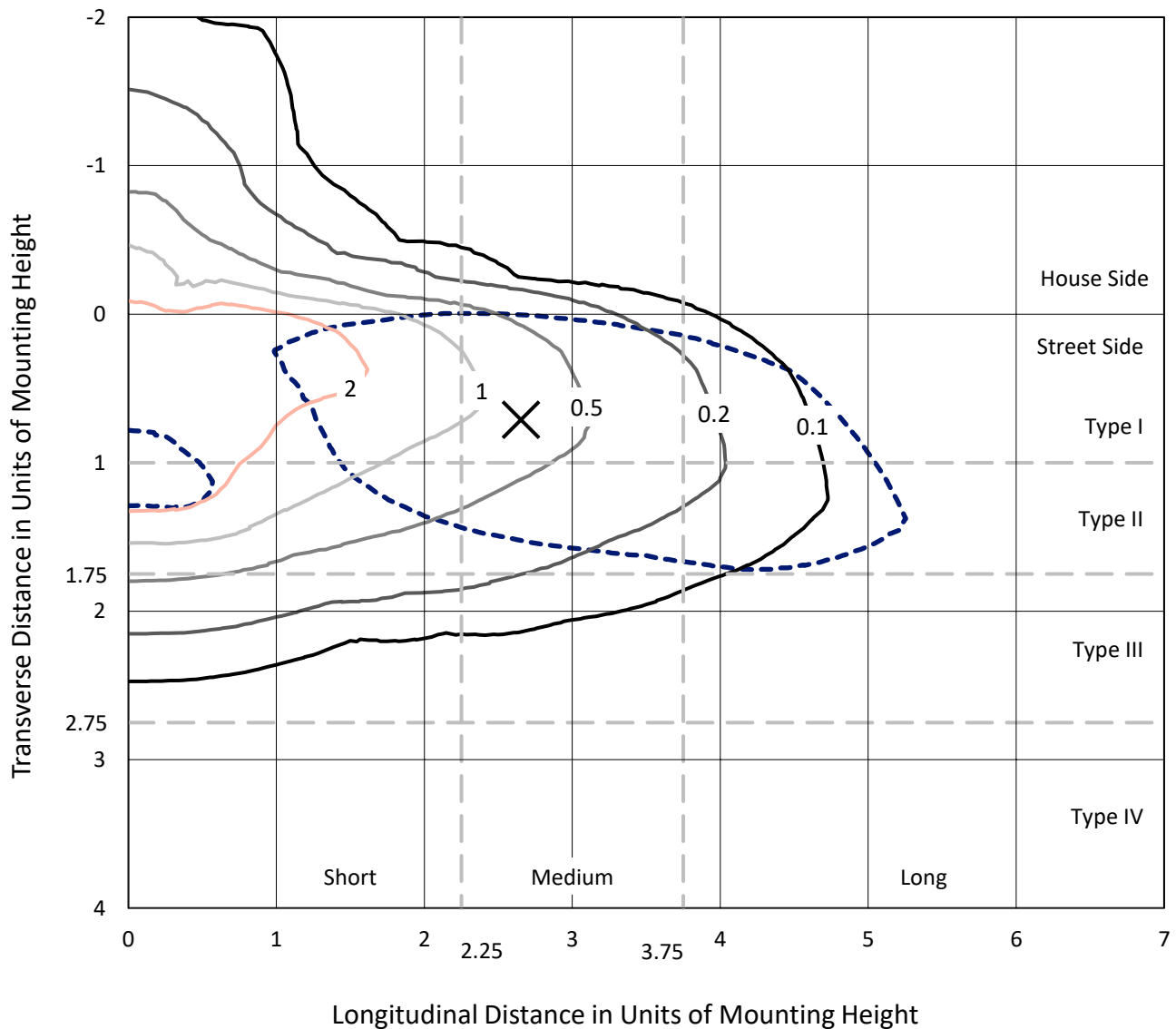


REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

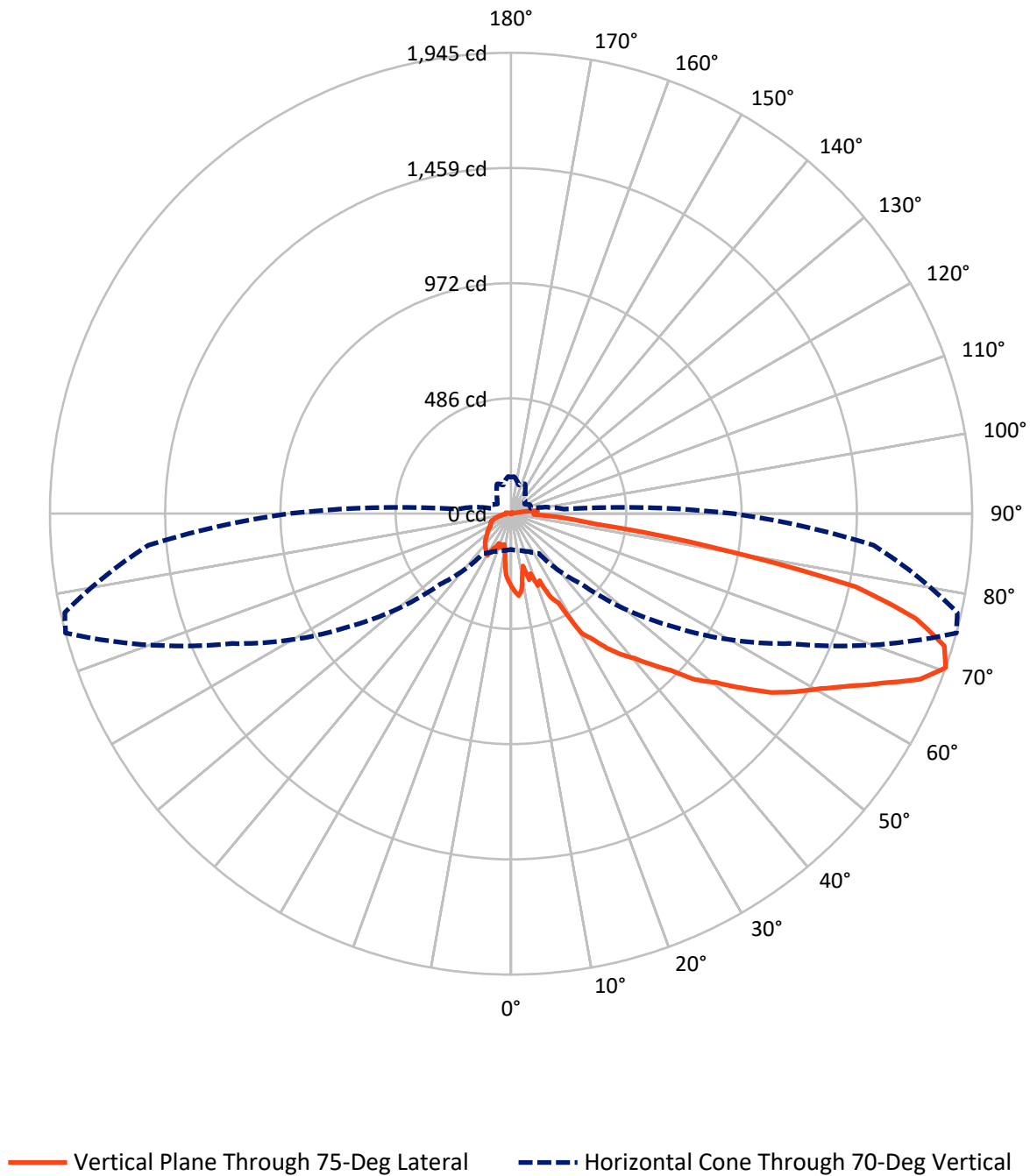


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

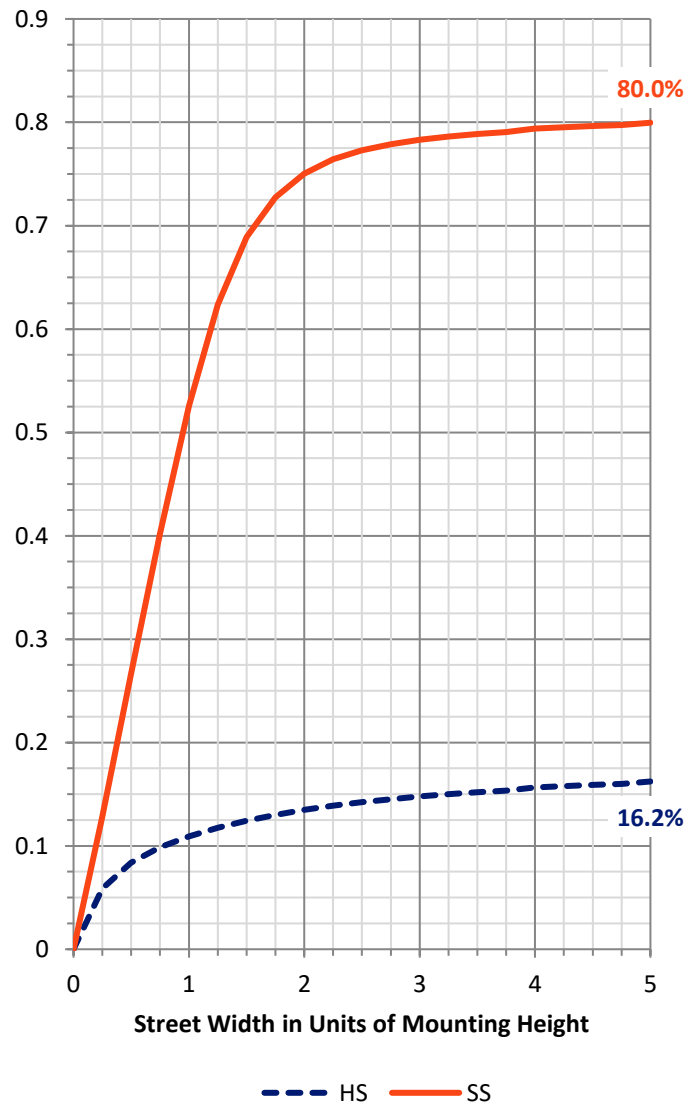
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.7	23.4	415.1
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	1846.4	29.7	1876.1
	% Fixture	80.6	1.3	81.9
Total	Lumens	2238.1	53.1	2291.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	1.1
10°-20°	66.8	2.9
20°-30°	120.7	5.3
30°-40°	246.5	10.8
40°-50°	387.2	16.9
50°-60°	475.4	20.7
60°-70°	472.8	20.6
70°-80°	349.7	15.3
80°-90°	93.4	4.1
90°-100°	34.5	1.5
100°-110°	8.1	0.4
110°-120°	3.8	0.2
120°-130°	3.4	0.1
130°-140°	1.7	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2238.1	97.7
0°-180°	2291.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560270

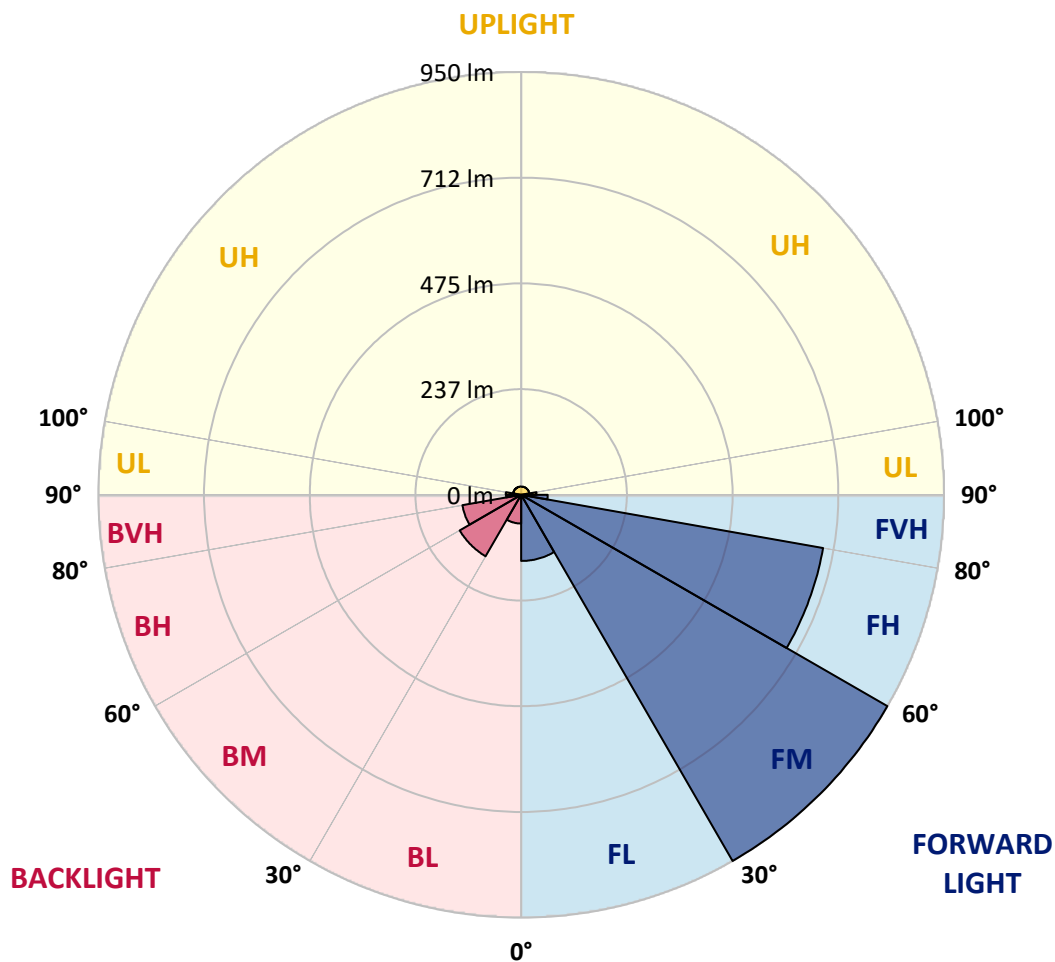
CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.5	6.5			
FM	(30°-60°)	949.7	41.5			
FH	(60°-80°)	688.6	30.1			G1/1800
FVH	(80°-90°)	59.7	2.6			G1/100
BL	(0°-30°)	64.6	2.8	B0/110		
BM	(30°-60°)	159.4	7.0	B0/220		
BH	(60°-80°)	134.0	5.8	B1/500		G1/500
BVH	(80°-90°)	33.8	1.5			G1/100
UL	(90°-100°)	34.5	1.5		U2/50	
UH	(100°-180°)	18.6	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium



REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	318.7	336.7	344.7	353.7	361.7	357.2	350.1	339.3	329.5	325.9	315.2
5°	351.9	350.1	349.2	346.5	342.0	334.0	324.1	362.6	347.4	341.1	323.2
7.5°	309.8	359.0	364.4	369.8	368.0	358.1	345.6	310.7	324.1	316.1	293.7
10°	378.7	378.7	376.9	378.7	358.1	342.0	292.8	272.2	262.3	283.8	263.2
12.5°	322.3	351.0	386.8	394.0	362.6	317.9	297.3	287.4	226.5	223.8	240.0
15°	375.2	379.6	380.5	382.3	308.9	333.1	274.9	255.2	289.2	281.1	283.8
17.5°	301.7	306.2	364.4	360.8	332.2	265.9	321.4	288.3	265.9	256.1	252.5
20°	379.6	380.5	377.8	305.3	320.5	347.4	300.8	291.9	324.1	323.2	309.8
22.5°	323.2	324.1	334.0	368.0	331.3	351.0	302.6	364.4	307.1	308.0	239.1
25°	432.5	433.4	424.4	327.7	372.5	329.5	367.1	327.7	392.2	379.6	350.1
27.5°	453.9	420.8	386.8	406.5	355.5	409.2	349.2	396.6	426.2	423.5	428.0
30°	575.7	577.5	554.2	445.0	416.3	403.8	402.9	471.0	583.8	588.2	513.9
32.5°	779.9	769.1	654.5	548.9	448.6	492.4	452.2	545.3	631.2	628.5	550.6
35°	873.0	862.2	819.2	677.8	518.4	531.8	510.4	580.2	696.6	676.0	587.4
37.5°	951.8	950.0	914.2	746.7	589.1	608.8	545.3	623.2	753.0	731.5	625.0
40°	1019.8	1013.5	982.2	808.5	661.7	662.6	589.1	675.1	803.1	808.5	661.7
42.5°	1076.2	1070.8	1044.9	870.3	704.6	710.0	635.7	727.9	870.3	880.1	719.0
45°	1099.5	1102.2	1084.3	925.8	743.1	753.0	691.2	781.6	941.9	950.0	770.0
47.5°	1116.5	1117.4	1112.9	971.5	784.3	788.8	745.8	830.0	1045.8	1029.7	830.0
50°	1078.0	1074.4	1078.9	1006.4	820.1	825.5	791.5	880.1	1120.1	1099.5	892.7
52.5°	976.8	981.3	1027.9	988.5	831.8	842.5	834.5	924.0	1223.1	1206.9	982.2
55°	722.6	742.2	876.6	915.1	830.9	849.7	873.9	1007.3	1331.4	1307.2	1058.3
57.5°	584.7	584.7	663.5	789.7	785.2	845.2	914.2	1063.7	1417.3	1400.3	1134.4
60°	469.2	469.2	512.1	626.7	696.6	822.8	955.3	1146.9	1498.8	1489.0	1201.6
62.5°	368.0	367.1	402.9	467.4	571.2	773.6	976.8	1218.6	1600.9	1599.1	1309.0
65°	265.9	269.5	299.9	340.2	448.6	681.4	975.9	1283.0	1723.6	1728.9	1429.9
67.5°	197.0	198.8	215.8	245.3	308.0	565.0	933.0	1327.8	1862.3	1853.4	1506.9
70°	151.3	154.0	161.2	176.4	205.0	419.9	829.1	1296.5	1944.7	1927.7	1535.5
72.5°	127.1	128.0	127.1	135.2	137.0	284.7	664.4	1177.4	1910.7	1883.8	1456.7
75°	108.3	107.4	106.5	108.3	101.2	188.0	476.3	996.5	1763.8	1717.3	1286.6
77.5°	93.1	92.2	88.6	89.5	80.6	138.8	325.0	781.6	1486.3	1377.1	967.0
80°	77.0	77.0	74.3	74.3	68.0	105.7	207.7	539.0	865.8	779.0	503.2
82.5°	60.0	59.1	59.1	60.9	58.2	82.4	136.1	268.6	357.2	334.9	235.5
85°	32.2	32.2	36.7	41.2	40.3	50.1	103.9	158.5	211.3	204.1	131.6
87.5°	9.8	9.8	10.7	13.4	14.3	26.9	65.4	77.0	95.8	105.7	103.9
90°	10.7	9.8	7.2	8.1	9.0	19.7	60.9	74.3	96.7	107.4	110.1
92.5°	12.5	11.6	7.2	7.2	9.0	16.1	58.2	72.5	105.7	116.4	119.1
95°	13.4	12.5	7.2	7.2	9.0	14.3	51.9	71.6	112.8	127.1	127.1
97.5°	12.5	11.6	5.4	6.3	8.1	12.5	40.3	59.1	78.8	86.8	100.3
100°	10.7	10.7	3.6	5.4	7.2	9.0	23.3	32.2	23.3	22.4	22.4
102.5°	9.8	9.8	3.6	4.5	5.4	6.3	10.7	17.0	5.4	6.3	8.1
105°	9.8	10.7	2.7	3.6	3.6	3.6	5.4	9.0	4.5	5.4	8.1
107.5°	9.8	10.7	2.7	2.7	3.6	2.7	2.7	3.6	4.5	5.4	9.0
110°	9.0	9.0	1.8	2.7	2.7	2.7	1.8	2.7	4.5	6.3	9.0

REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	6.3	6.3	1.8	2.7	2.7	2.7	1.8	2.7	4.5	6.3	9.0
115°	4.5	3.6	1.8	2.7	1.8	2.7	1.8	2.7	4.5	6.3	8.1
117.5°	3.6	2.7	1.8	1.8	1.8	1.8	0.9	2.7	5.4	7.2	9.8
120°	3.6	3.6	1.8	1.8	1.8	1.8	0.9	2.7	8.1	9.0	12.5
122.5°	3.6	3.6	1.8	1.8	1.8	1.8	0.9	1.8	7.2	9.8	13.4
125°	3.6	3.6	1.8	1.8	1.8	1.8	0.9	1.8	6.3	9.0	11.6
127.5°	3.6	3.6	1.8	0.9	1.8	1.8	1.8	1.8	5.4	7.2	9.8
130°	3.6	3.6	1.8	0.9	1.8	1.8	1.8	1.8	4.5	5.4	8.1
132.5°	2.7	2.7	1.8	0.9	1.8	0.9	0.9	1.8	3.6	4.5	6.3
135°	1.8	1.8	1.8	0.9	1.8	0.9	0.9	0.9	1.8	2.7	4.5
137.5°	0.9	1.8	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8
140°	0.9	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	2.7	1.8	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	3.6	2.7	1.8	0.9	0.9	0.9	0.9	0.9
150°	4.5	4.5	4.5	3.6	2.7	1.8	2.7	0.9	0.9	0.9	0.9
152.5°	4.5	4.5	5.4	2.7	1.8	0.9	0.9	3.6	2.7	1.8	1.8
155°	3.6	2.7	2.7	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
157.5°	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	308.9	301.7	284.7	272.2	257.0	243.5	231.9	205.9	201.5	198.8	197.9
5°	308.9	293.7	260.5	220.3	188.9	181.8	178.2	178.2	176.4	177.3	178.2
7.5°	274.0	253.4	203.2	171.9	177.3	177.3	178.2	173.7	159.4	161.2	158.5
10°	240.0	214.0	153.1	139.7	153.1	154.0	174.6	182.7	185.3	186.2	186.2
12.5°	221.2	184.4	132.5	137.0	123.6	141.5	166.5	186.2	169.2	160.3	160.3
15°	254.3	218.5	148.6	120.0	121.8	141.5	126.2	176.4	182.7	184.4	184.4
17.5°	228.3	192.5	136.1	123.6	136.1	116.4	142.4	162.1	154.9	146.8	145.9
20°	274.0	227.4	152.2	120.9	120.0	137.9	126.2	132.5	165.6	166.5	165.6
22.5°	213.1	181.8	135.2	137.0	120.0	131.6	124.5	137.0	130.7	129.8	130.7
25°	295.5	235.5	155.8	118.2	125.3	116.4	125.3	115.5	138.8	140.6	141.5
27.5°	361.7	281.1	165.6	128.0	109.2	119.1	111.9	115.5	107.4	111.9	113.7
30°	430.7	327.7	202.3	141.5	115.5	102.1	103.9	103.0	116.4	115.5	113.7
32.5°	453.0	334.0	193.4	147.7	114.6	103.0	94.9	101.2	111.0	119.1	120.0
35°	475.4	338.4	186.2	141.5	111.9	96.7	93.1	103.9	111.9	112.8	115.5
37.5°	501.4	342.0	179.1	132.5	103.9	94.9	92.2	96.7	114.6	112.8	110.1
40°	525.6	343.8	170.1	124.5	94.9	93.1	86.0	96.7	101.2	104.8	106.5
42.5°	568.5	354.6	163.0	117.3	88.6	88.6	82.4	90.4	103.9	105.7	104.8
45°	599.9	351.0	153.1	111.0	82.4	78.8	80.6	98.5	104.8	115.5	113.7
47.5°	644.7	359.9	141.5	101.2	77.0	72.5	76.1	95.8	107.4	115.5	117.3
50°	688.5	358.1	131.6	93.1	73.4	68.9	84.2	93.1	105.7	119.1	119.1
52.5°	745.8	360.8	127.1	86.0	68.9	68.9	86.8	94.0	108.3	117.3	117.3
55°	796.9	351.0	116.4	83.3	68.0	66.3	87.7	97.6	109.2	117.3	118.2
57.5°	834.5	331.3	108.3	80.6	67.2	68.0	87.7	105.7	102.1	117.3	120.0
60°	875.7	309.8	101.2	80.6	67.2	70.7	90.4	111.9	111.9	122.7	122.7
62.5°	932.1	296.4	97.6	81.5	65.4	73.4	98.5	121.8	112.8	129.8	130.7
65°	979.5	278.5	94.9	85.1	66.3	77.0	103.0	129.8	118.2	137.9	137.0
67.5°	980.4	251.6	91.3	88.6	67.2	79.7	103.0	135.2	124.5	145.0	142.4
70°	937.4	224.7	86.0	88.6	69.8	82.4	103.0	138.8	125.3	156.7	154.0
72.5°	845.2	183.5	77.9	85.1	74.3	86.0	108.3	137.9	125.3	169.2	166.5
75°	719.0	146.8	67.2	77.9	74.3	90.4	111.9	137.0	120.9	161.2	155.8
77.5°	547.1	120.0	56.4	68.0	70.7	92.2	111.9	135.2	117.3	150.4	146.8
80°	282.0	84.2	45.7	58.2	66.3	90.4	111.0	128.0	104.8	133.4	131.6
82.5°	154.9	61.8	36.7	43.0	55.5	85.1	107.4	115.5	92.2	109.2	104.8
85°	100.3	44.8	29.5	34.9	46.6	70.7	90.4	91.3	65.4	78.8	74.3
87.5°	75.2	26.0	18.8	21.5	32.2	39.4	57.3	59.1	41.2	48.3	45.7
90°	78.8	26.0	19.7	22.4	28.7	29.5	42.1	44.8	32.2	36.7	36.7
92.5°	84.2	26.0	20.6	23.3	26.0	23.3	33.1	36.7	26.9	29.5	28.7
95°	86.0	25.1	22.4	24.2	23.3	18.8	26.9	29.5	22.4	22.4	22.4
97.5°	62.7	17.9	22.4	24.2	21.5	15.2	20.6	23.3	14.3	11.6	11.6
100°	17.0	9.0	21.5	23.3	18.8	12.5	17.9	17.9	9.0	6.3	6.3
102.5°	7.2	7.2	18.8	20.6	14.3	8.1	12.5	12.5	6.3	2.7	2.7
105°	7.2	5.4	13.4	15.2	9.8	4.5	6.3	7.2	4.5	2.7	2.7
107.5°	7.2	5.4	6.3	8.1	4.5	3.6	3.6	3.6	2.7	2.7	2.7
110°	8.1	5.4	3.6	4.5	3.6	2.7	2.7	2.7	2.7	3.6	4.5



REPORT NUMBER: P560270

CATALOG NUMBER: SDL-PA1-30-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	6.3	3.6	4.5	3.6	2.7	2.7	2.7	3.6	8.1	8.1
115°	8.1	5.4	3.6	3.6	2.7	2.7	1.8	1.8	3.6	9.8	9.8
117.5°	9.0	6.3	3.6	3.6	2.7	1.8	1.8	1.8	4.5	11.6	11.6
120°	10.7	7.2	3.6	2.7	1.8	1.8	1.8	1.8	5.4	12.5	12.5
122.5°	11.6	8.1	3.6	2.7	1.8	0.9	1.8	2.7	6.3	12.5	12.5
125°	9.8	7.2	3.6	2.7	1.8	0.9	1.8	2.7	6.3	11.6	12.5
127.5°	9.0	6.3	3.6	1.8	1.8	0.9	0.9	2.7	5.4	9.0	10.7
130°	7.2	5.4	2.7	1.8	1.8	0.9	0.9	1.8	5.4	8.1	9.8
132.5°	6.3	4.5	2.7	1.8	1.8	0.9	0.9	1.8	5.4	7.2	7.2
135°	4.5	3.6	1.8	1.8	1.8	0.9	1.8	0.9	3.6	6.3	6.3
137.5°	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.9	2.7	3.6	3.6
140°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
142.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
145°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
147.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8
150°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8
155°	2.7	2.7	1.8	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	1.8	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
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)