

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: P560454

Luminaire Tested: **SDL-PA1-40-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3412.8 lumens
Efficiency: N/A
Efficacy: 86.6 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 - U3 - G2

Input Watts (W): 39.4
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

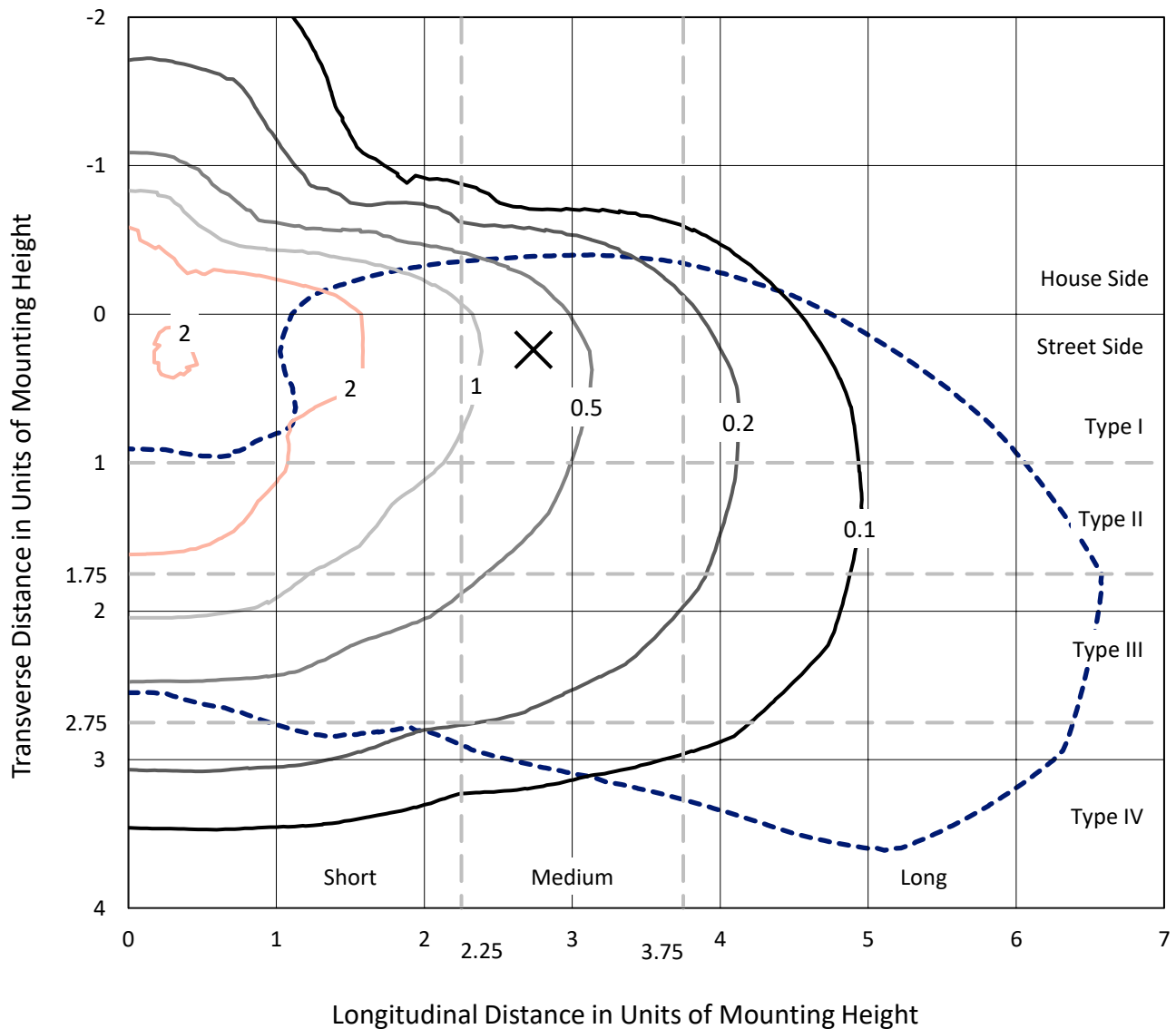


REPORT NUMBER: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

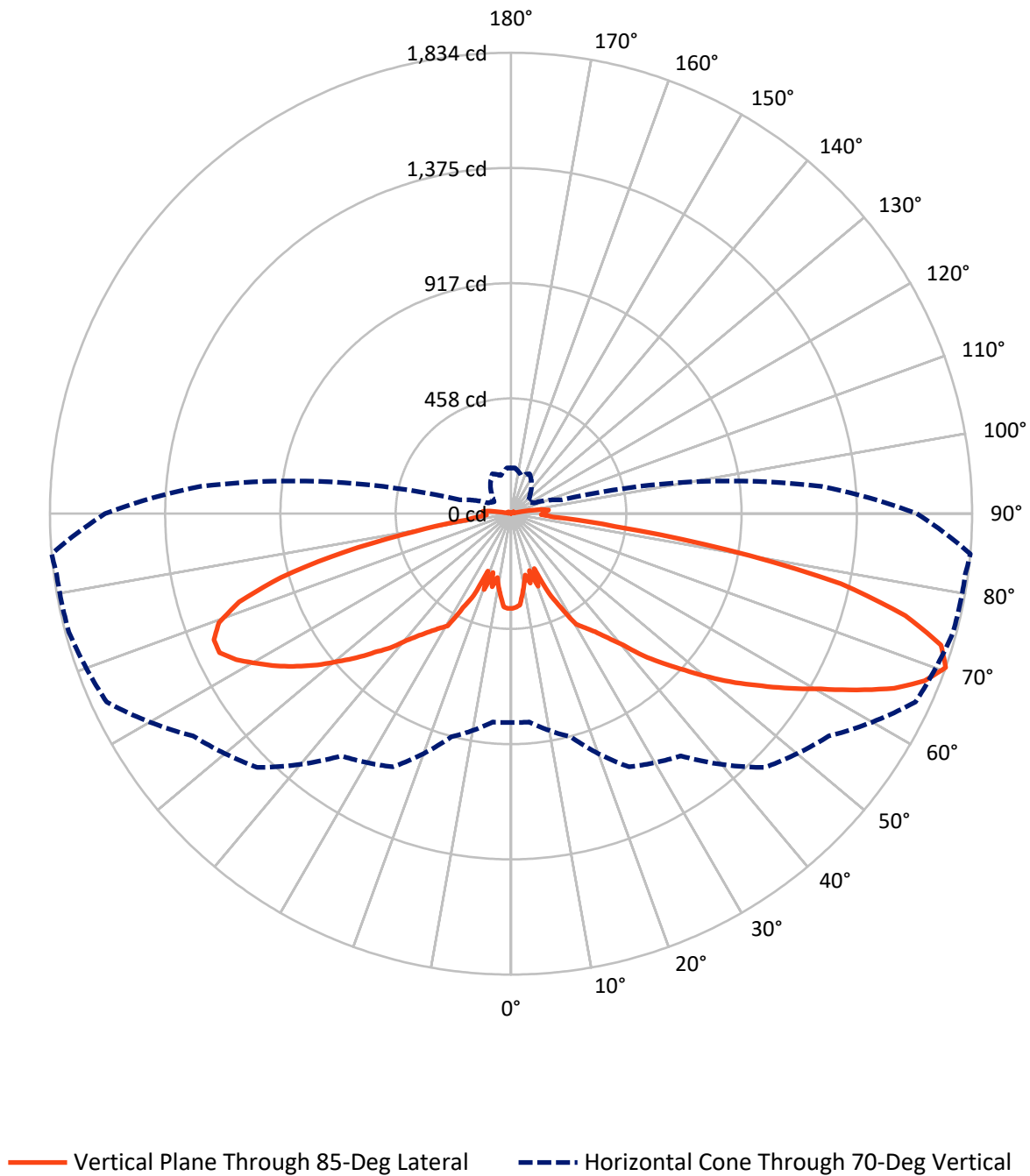


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

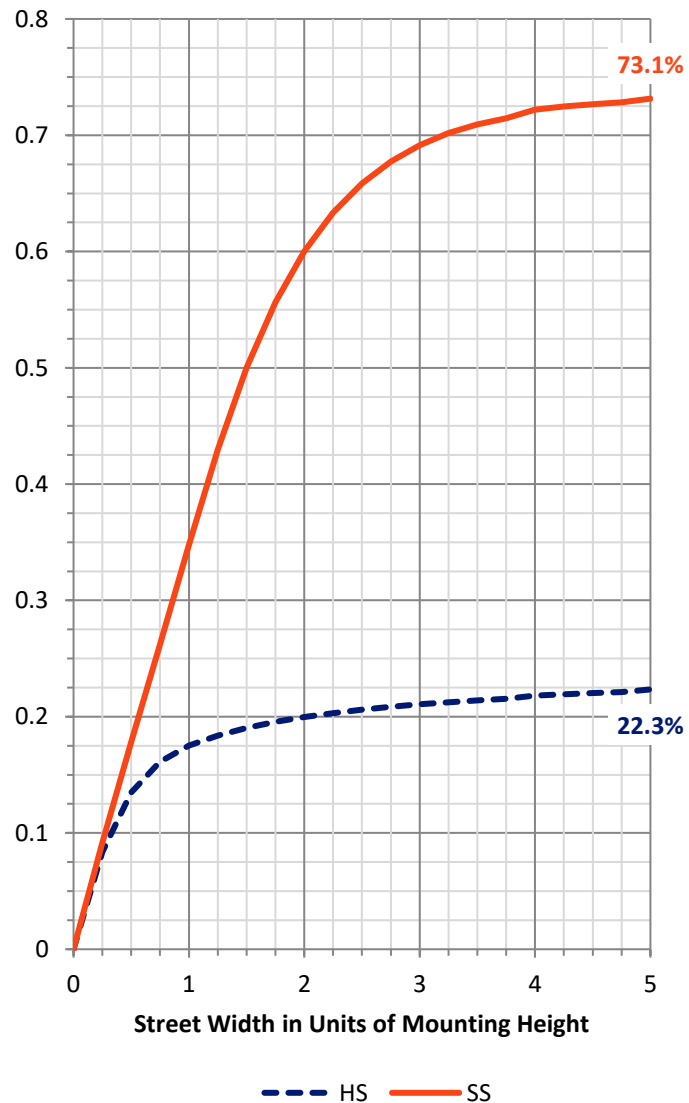
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	802.4	51.7	854.1
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	2515.1	43.6	2558.7
	% Fixture	73.7	1.3	75.0
Total	Lumens	3317.5	95.3	3412.8
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	0.9
10°-20°	75.3	2.2
20°-30°	137.2	4.0
30°-40°	259.3	7.6
40°-50°	433.3	12.7
50°-60°	676.3	19.8
60°-70°	838.7	24.6
70°-80°	685.2	20.1
80°-90°	181.4	5.3
90°-100°	68.9	2.0
100°-110°	14.7	0.4
110°-120°	4.7	0.1
120°-130°	3.7	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°	3317.5	97.2
0°-180°	3412.8	100.0

Coefficient of Utilization



REPORT NUMBER: P560454

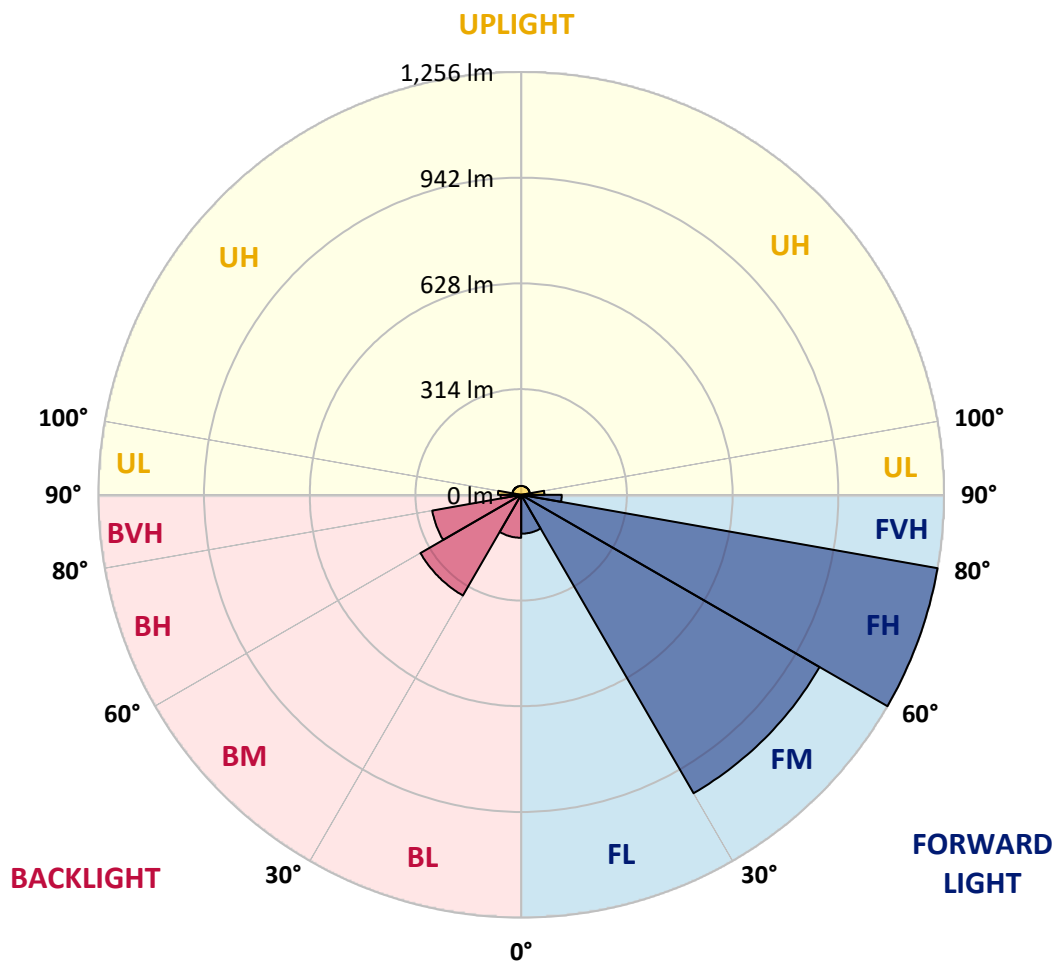
CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.6	3.4			
FM	(30°-60°)	1023.3	30.0			
FH	(60°-80°)	1255.8	36.8			G1/1800
FVH	(80°-90°)	120.3	3.5			G2/225
BL	(0°-30°)	127.6	3.7	B1/500		
BM	(30°-60°)	345.6	10.1	B1/1000		
BH	(60°-80°)	268.1	7.9	B1/500		G1/500
BVH	(80°-90°)	61.0	1.8			G1/100
UL	(90°-100°)	68.9	2.0		U3/500	
UH	(100°-180°)	26.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1
2.5°	312.2	342.7	337.4	346.6	351.9	359.9	365.2	367.8	370.4	373.1	373.1
5°	289.7	291.1	292.4	293.7	296.4	300.3	304.3	346.6	359.9	365.2	365.2
7.5°	264.6	263.3	268.6	275.2	284.5	289.7	293.7	295.0	309.6	321.5	324.1
10°	263.3	264.6	264.6	267.3	251.4	250.1	231.5	232.9	252.7	283.1	284.5
12.5°	228.9	235.5	250.1	260.6	244.8	219.6	215.7	226.2	211.7	248.7	250.1
15°	255.3	254.0	254.0	243.4	206.4	217.0	193.2	201.1	246.1	280.5	287.1
17.5°	222.3	219.6	246.1	238.1	214.3	181.3	217.0	214.3	222.3	242.1	238.1
20°	279.2	276.5	271.2	206.4	217.0	227.6	220.9	206.4	260.6	291.1	308.3
22.5°	260.6	263.3	276.5	262.0	223.6	234.2	209.0	254.0	246.1	234.2	236.8
25°	355.9	353.3	340.0	256.7	267.3	218.3	255.3	226.2	312.2	346.6	349.3
27.5°	328.1	324.1	314.9	322.8	271.2	285.8	248.7	296.4	345.3	406.2	424.7
30°	435.3	431.3	420.7	325.5	322.8	283.1	301.7	363.8	465.7	512.0	510.7
32.5°	561.0	531.9	467.0	416.8	345.3	367.8	345.3	428.7	496.1	541.1	541.1
35°	637.7	632.4	598.0	484.2	402.2	400.9	396.9	472.3	547.7	579.5	576.8
37.5°	702.5	711.8	686.7	561.0	453.8	464.4	444.5	531.9	611.2	629.8	627.1
40°	792.5	789.9	776.6	627.1	517.3	516.0	501.4	603.3	681.4	694.6	688.0
42.5°	926.1	911.6	871.9	715.8	584.8	584.8	558.3	670.8	767.4	768.7	772.7
45°	1090.2	1083.6	1013.4	853.4	672.1	670.8	627.1	742.2	854.7	861.3	849.4
47.5°	1204.0	1184.1	1149.7	979.0	807.1	776.6	710.5	812.3	959.2	953.9	930.1
50°	1316.4	1300.5	1268.8	1116.6	947.3	886.4	788.5	885.1	1059.8	1045.2	1022.7
52.5°	1413.0	1391.8	1357.4	1229.1	1070.3	1022.7	878.5	951.3	1161.6	1137.8	1116.6
55°	1468.6	1424.9	1427.6	1329.7	1162.9	1124.6	979.0	1058.4	1260.9	1226.5	1209.3
57.5°	1399.8	1397.1	1440.8	1391.8	1247.6	1209.3	1086.2	1165.6	1364.0	1319.1	1311.1
60°	1331.0	1338.9	1401.1	1410.4	1313.8	1286.0	1178.8	1317.7	1464.6	1415.6	1415.6
62.5°	1235.7	1258.2	1345.5	1417.0	1320.4	1361.4	1275.4	1447.4	1574.4	1529.4	1544.0
65°	1127.2	1127.2	1227.8	1362.7	1299.2	1411.7	1382.6	1589.0	1671.0	1644.5	1675.0
67.5°	979.0	981.7	1086.2	1256.9	1260.9	1436.8	1468.6	1700.1	1771.5	1751.7	1774.2
70°	830.9	832.2	919.5	1111.3	1176.2	1427.6	1542.7	1774.2	1820.5	1823.1	1833.7
72.5°	621.8	644.3	726.3	902.3	1029.3	1389.2	1581.0	1795.4	1819.2	1823.1	1788.7
75°	334.7	345.3	436.6	587.4	764.7	1231.7	1569.1	1772.9	1755.7	1709.4	1619.4
77.5°	116.4	121.7	153.5	256.7	434.0	871.9	1455.3	1675.0	1619.4	1473.9	1341.6
80°	75.4	75.4	83.4	123.0	197.1	412.8	1129.9	1435.5	1304.5	993.6	870.6
82.5°	52.9	54.2	60.9	82.0	127.0	177.3	587.4	729.0	718.4	494.8	416.8
85°	38.4	39.7	42.3	47.6	87.3	109.8	228.9	350.6	324.1	177.3	166.7
87.5°	17.2	19.8	17.2	21.2	34.4	67.5	109.8	108.5	103.2	117.8	120.4
90°	13.2	13.2	10.6	11.9	23.8	60.9	101.9	97.9	104.5	128.3	127.0
92.5°	13.2	13.2	10.6	11.9	22.5	60.9	107.2	95.3	108.5	137.6	138.9
95°	13.2	14.6	10.6	10.6	18.5	62.2	113.8	101.9	115.1	149.5	149.5
97.5°	11.9	11.9	7.9	9.3	14.6	56.9	113.8	87.3	84.7	120.4	119.1
100°	9.3	10.6	5.3	7.9	10.6	34.4	84.7	54.2	23.8	27.8	42.3
102.5°	9.3	9.3	5.3	6.6	7.9	14.6	45.0	31.8	6.6	9.3	9.3
105°	9.3	10.6	5.3	5.3	5.3	6.6	21.2	15.9	5.3	7.9	9.3
107.5°	10.6	10.6	4.0	4.0	4.0	4.0	7.9	6.6	5.3	9.3	10.6
110°	10.6	10.6	4.0	4.0	2.6	2.6	4.0	4.0	5.3	9.3	10.6

REPORT NUMBER: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	9.3	9.3	4.0	4.0	2.6	2.6	2.6	4.0	5.3	7.9	9.3
115°	6.6	6.6	2.6	4.0	2.6	2.6	2.6	4.0	4.0	6.6	7.9
117.5°	6.6	5.3	2.6	2.6	1.3	2.6	2.6	4.0	5.3	9.3	9.3
120°	6.6	6.6	2.6	1.3	1.3	1.3	1.3	2.6	6.6	10.6	11.9
122.5°	6.6	6.6	2.6	1.3	1.3	1.3	1.3	2.6	6.6	10.6	11.9
125°	7.9	6.6	4.0	1.3	1.3	1.3	1.3	1.3	5.3	9.3	10.6
127.5°	6.6	6.6	4.0	1.3	1.3	1.3	1.3	1.3	4.0	7.9	9.3
130°	6.6	6.6	4.0	1.3	1.3	1.3	1.3	1.3	4.0	6.6	6.6
132.5°	5.3	5.3	4.0	1.3	1.3	1.3	1.3	1.3	2.6	5.3	5.3
135°	5.3	5.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	4.0	4.0
137.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	0.0	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
150°	4.0	4.0	4.0	2.6	2.6	1.3	2.6	1.3	1.3	1.3	1.3
152.5°	4.0	4.0	5.3	2.6	1.3	1.3	1.3	2.6	1.3	1.3	1.3
155°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	4.0
157.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P560454

CATALOG NUMBER: SDL-PA1-40-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1
2.5°	374.4	377.1	378.4	382.4	382.4	382.4	373.1	350.6	350.6	351.9	353.3
5°	369.1	371.8	377.1	358.5	340.0	338.7	345.3	349.3	350.6	351.9	349.3
7.5°	326.8	332.1	329.4	330.8	340.0	349.3	357.2	351.9	338.7	329.4	332.1
10°	291.1	296.4	267.3	269.9	280.5	306.9	350.6	365.2	374.4	378.4	378.4
12.5°	255.3	259.3	234.2	271.2	252.7	293.7	341.3	377.1	341.3	326.8	326.8
15°	292.4	300.3	269.9	240.8	246.1	297.7	262.0	359.9	370.4	373.1	375.7
17.5°	250.1	244.8	250.1	254.0	276.5	231.5	300.3	338.7	317.5	309.6	313.6
20°	314.9	320.2	292.4	250.1	252.7	295.0	267.3	303.0	361.2	362.5	365.2
22.5°	239.5	246.1	262.0	297.7	260.6	285.8	281.8	314.9	295.0	296.4	306.9
25°	351.9	357.2	329.4	265.9	284.5	258.0	284.5	280.5	330.8	333.4	333.4
27.5°	431.3	419.4	359.9	300.3	250.1	272.5	256.7	267.3	255.3	291.1	296.4
30°	513.3	513.3	467.0	334.7	264.6	231.5	234.2	254.0	283.1	288.4	288.4
32.5°	538.5	537.2	477.6	362.5	260.6	239.5	215.7	239.5	289.7	314.9	317.5
35°	574.2	568.9	496.1	353.3	251.4	218.3	203.7	240.8	277.8	281.8	279.2
37.5°	619.2	606.0	518.6	336.1	230.2	205.1	195.8	217.0	248.7	248.7	248.7
40°	674.7	653.6	526.6	312.2	207.7	187.9	178.6	201.1	222.3	210.4	206.4
42.5°	750.2	718.4	533.2	295.0	187.9	173.3	161.4	182.6	193.2	186.5	183.9
45°	820.3	772.7	543.8	276.5	172.0	160.1	149.5	168.0	176.0	169.3	168.0
47.5°	903.6	840.1	545.1	259.3	160.1	149.5	141.6	157.4	162.7	162.7	161.4
50°	989.6	905.0	555.7	244.8	148.2	138.9	137.6	149.5	153.5	150.8	149.5
52.5°	1087.5	977.7	559.6	226.2	133.6	127.0	133.6	141.6	153.5	154.8	154.8
55°	1192.1	1045.2	557.0	201.1	123.0	120.4	129.7	146.9	157.4	149.5	148.2
57.5°	1293.9	1112.7	558.3	173.3	112.5	117.8	131.0	153.5	161.4	152.1	148.2
60°	1385.2	1173.5	539.8	148.2	104.5	111.1	136.3	160.1	157.4	160.1	156.1
62.5°	1497.7	1237.0	486.9	132.3	97.9	108.5	136.3	164.1	153.5	164.1	164.1
65°	1590.3	1284.7	411.5	119.1	92.6	108.5	137.6	165.4	149.5	166.7	166.7
67.5°	1630.0	1283.3	297.7	108.5	86.0	105.8	137.6	170.7	153.5	172.0	170.7
70°	1614.1	1239.7	210.4	100.6	82.0	107.2	142.9	174.6	157.4	182.6	181.3
72.5°	1506.9	1136.5	152.1	93.9	76.7	101.9	146.9	179.9	161.4	198.5	198.5
75°	1327.0	949.9	123.0	87.3	71.4	100.6	148.2	182.6	164.1	201.1	201.1
77.5°	1014.8	682.7	103.2	80.7	66.2	97.9	146.9	186.5	162.7	201.1	201.1
80°	608.6	389.0	86.0	72.8	67.5	96.6	149.5	186.5	162.7	198.5	198.5
82.5°	280.5	178.6	76.7	60.9	63.5	95.3	152.1	183.9	156.1	198.5	190.5
85°	156.1	125.7	66.2	51.6	56.9	90.0	144.2	165.4	140.2	164.1	161.4
87.5°	116.4	97.9	42.3	26.5	37.0	63.5	111.1	131.0	105.8	127.0	125.7
90°	124.4	103.2	38.4	26.5	39.7	58.2	104.5	116.4	97.9	117.8	116.4
92.5°	133.6	108.5	38.4	27.8	45.0	63.5	104.5	113.8	96.6	107.2	108.5
95°	140.2	112.5	37.0	30.4	47.6	68.8	101.9	104.5	88.6	92.6	96.6
97.5°	109.8	84.7	33.1	31.8	46.3	55.6	83.4	82.0	60.9	56.9	56.9
100°	34.4	23.8	29.1	33.1	27.8	26.5	49.0	58.2	35.7	23.8	22.5
102.5°	10.6	9.3	26.5	31.8	21.2	11.9	26.5	37.0	26.5	4.0	5.3
105°	10.6	10.6	17.2	26.5	14.6	5.3	10.6	19.8	15.9	4.0	4.0
107.5°	10.6	9.3	6.6	14.6	5.3	4.0	5.3	5.3	5.3	4.0	4.0
110°	10.6	10.6	5.3	5.3	4.0	4.0	4.0	2.6	2.6	6.6	6.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	10.6	5.3	5.3	4.0	4.0	2.6	2.6	4.0	9.3	9.3
115°	9.3	9.3	5.3	4.0	2.6	4.0	2.6	2.6	4.0	10.6	10.6
117.5°	10.6	10.6	5.3	4.0	2.6	2.6	2.6	1.3	4.0	11.9	13.2
120°	13.2	11.9	6.6	2.6	2.6	2.6	2.6	2.6	5.3	10.6	11.9
122.5°	13.2	13.2	6.6	2.6	1.3	1.3	1.3	2.6	5.3	10.6	11.9
125°	11.9	11.9	6.6	2.6	1.3	1.3	1.3	1.3	5.3	9.3	9.3
127.5°	10.6	10.6	5.3	2.6	1.3	1.3	1.3	1.3	4.0	7.9	9.3
130°	7.9	7.9	4.0	2.6	1.3	1.3	1.3	1.3	4.0	6.6	7.9
132.5°	6.6	6.6	4.0	2.6	1.3	1.3	1.3	1.3	4.0	5.3	6.6
135°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	2.6	4.0	5.3
137.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
140°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	4.0	2.6
152.5°	1.3	1.3	1.3	2.6	1.3	0.0	0.0	2.6	2.6	4.0	4.0
155°	4.0	4.0	2.6	1.3	1.3	0.0	0.0	0.0	2.6	2.6	2.6
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
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)