

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: P560979

Luminaire Tested: **SDL-PA1-70-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4246.7 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 72.2
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



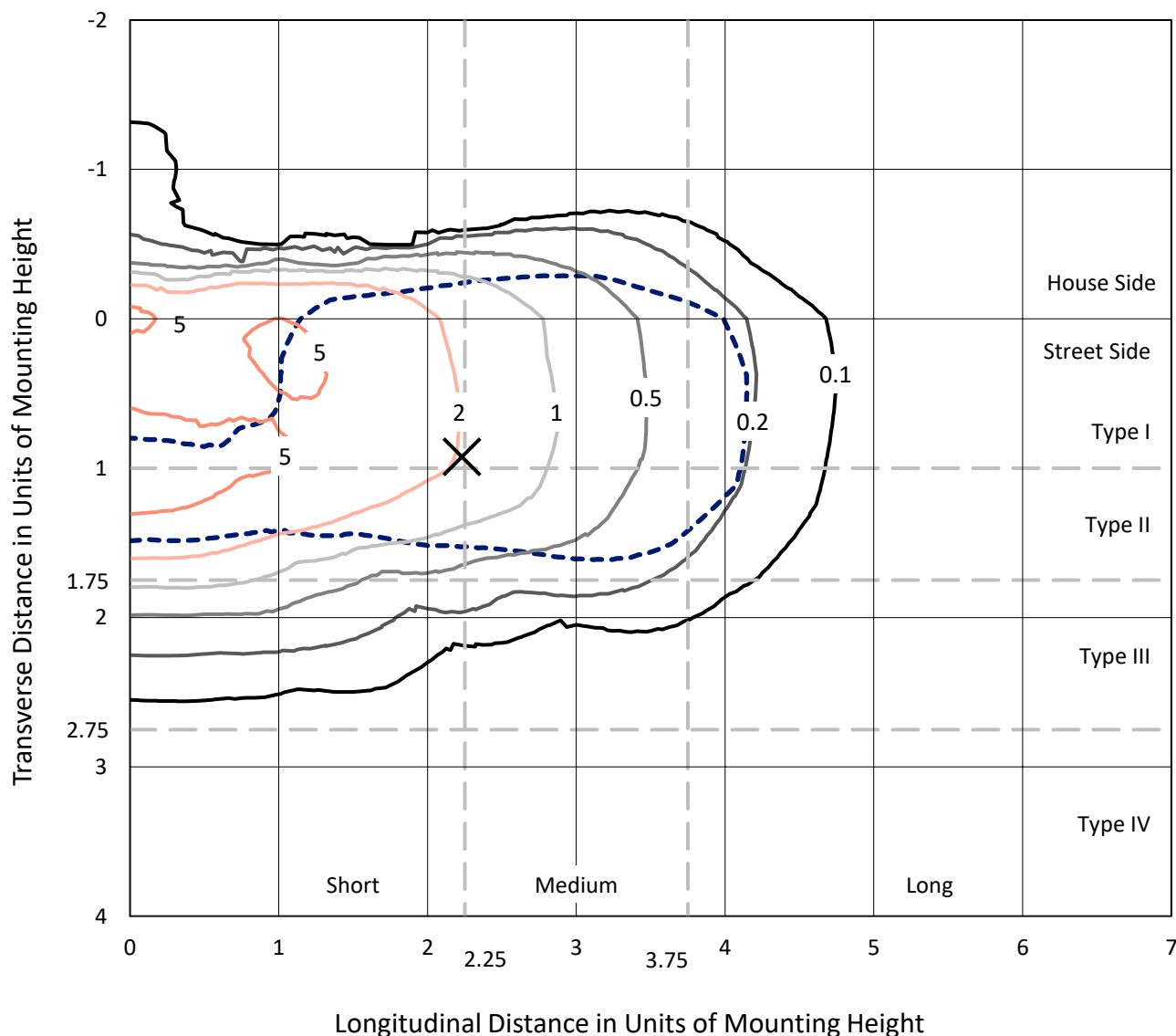
REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

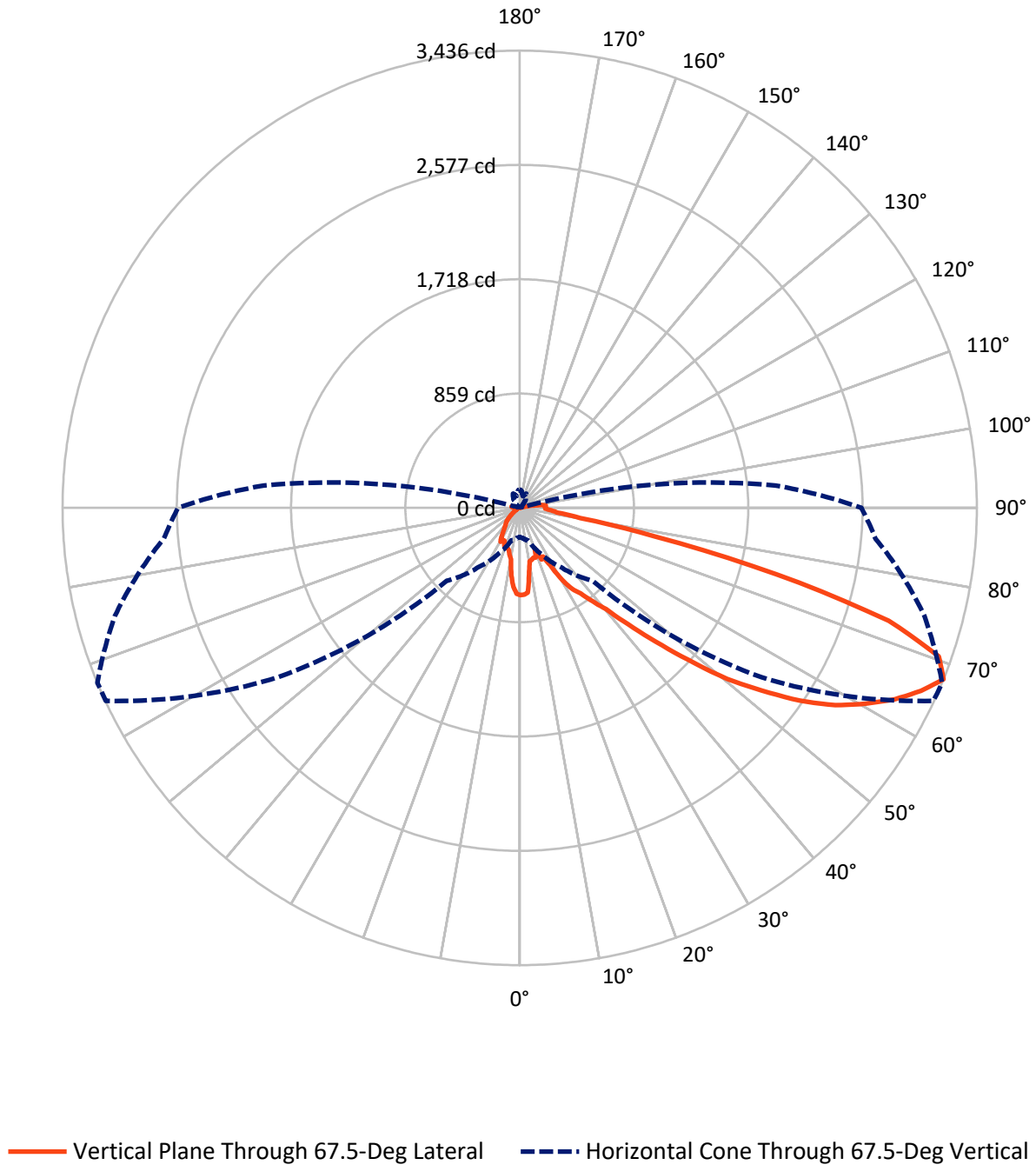


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

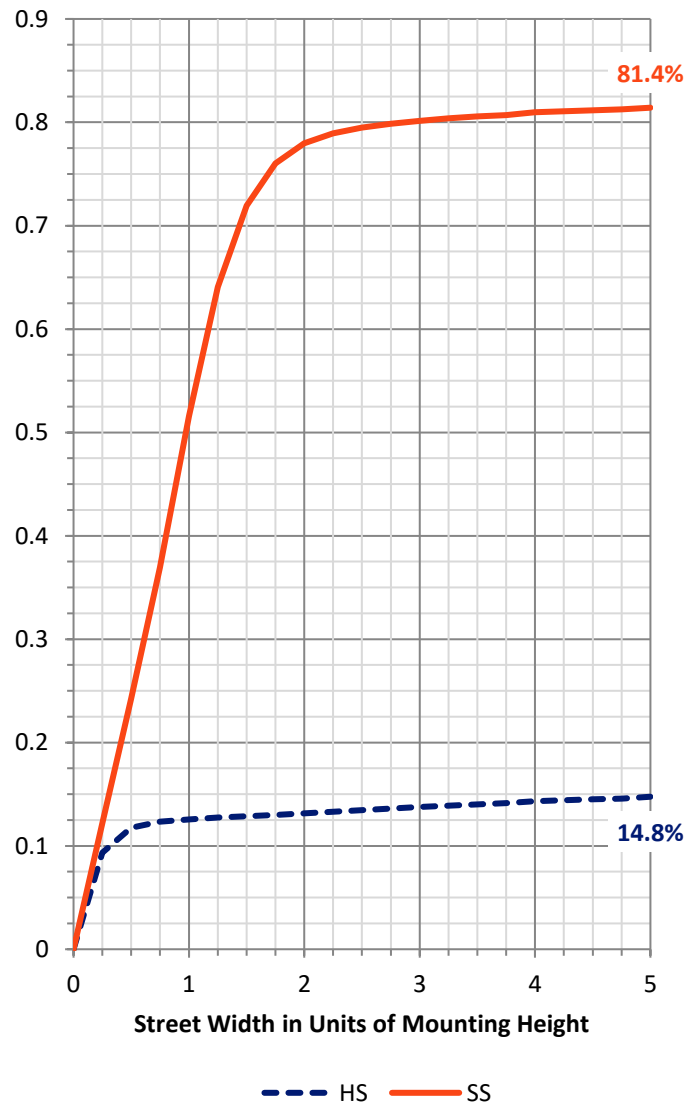
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.5	49.5	714.1
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3480.0	52.7	3532.7
	% Fixture	81.9	1.2	83.2
Total	Lumens	4144.5	102.2	4246.7
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.2
10°-20°	96.0	2.3
20°-30°	144.8	3.4
30°-40°	333.6	7.9
40°-50°	743.5	17.5
50°-60°	1106.4	26.1
60°-70°	986.7	23.2
70°-80°	553.9	13.0
80°-90°	129.3	3.0
90°-100°	71.0	1.7
100°-110°	16.3	0.4
110°-120°	6.4	0.2
120°-130°	4.3	0.1
130°-140°	2.2	0.1
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4144.5	97.6
0°-180°	4246.7	100.0

Coefficient of Utilization



REPORT NUMBER: P560979

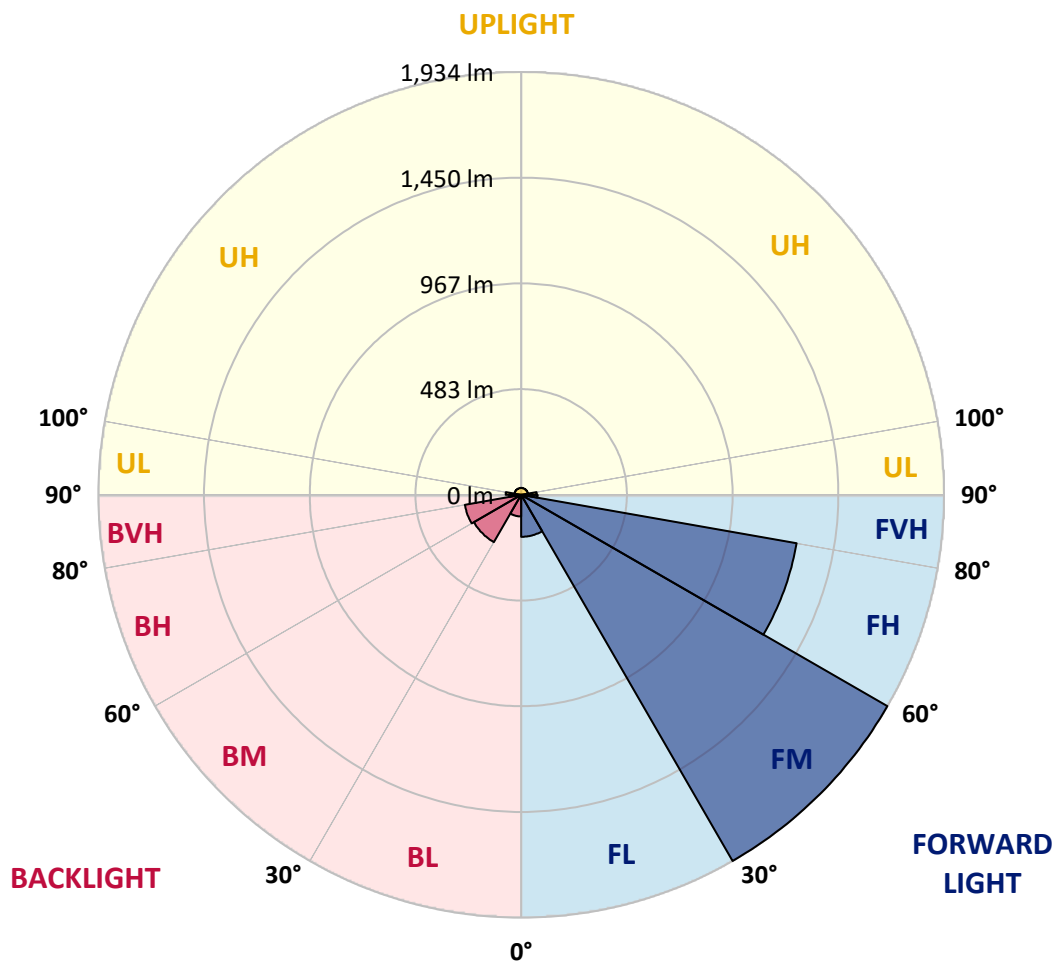
CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.1	4.5			
FM	(30°-60°)	1933.7	45.5			
FH	(60°-80°)	1279.1	30.1			G1/1800
FVH	(80°-90°)	75.1	1.8			G1/100
BL	(0°-30°)	99.0	2.3	B0/110		
BM	(30°-60°)	249.8	5.9	B1/1000		
BH	(60°-80°)	261.5	6.2	B1/500		G1/500
BVH	(80°-90°)	54.3	1.3			G1/100
UL	(90°-100°)	71.0	1.7		U3/500	
UH	(100°-180°)	31.2	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1
2.5°	555.4	587.1	621.1	643.8	648.3	655.1	655.1	652.8	652.8	650.6	650.6
5°	539.5	537.2	539.5	544.0	541.8	541.8	541.8	632.4	639.2	643.8	643.8
7.5°	464.7	476.0	512.3	525.9	530.4	535.0	535.0	528.2	503.2	557.6	564.4
10°	505.5	503.2	503.2	507.8	473.8	460.2	414.8	408.0	408.0	426.1	485.1
12.5°	423.9	448.8	482.8	496.4	457.9	405.7	394.4	403.5	401.2	351.3	410.3
15°	480.6	480.6	476.0	467.0	360.4	403.5	340.0	340.0	387.6	417.1	469.2
17.5°	389.9	401.2	457.9	451.1	396.7	303.7	396.7	364.9	392.1	367.2	394.4
20°	478.3	476.0	478.3	364.9	403.5	417.1	396.7	355.9	324.1	426.1	471.5
22.5°	394.4	389.9	412.5	451.1	380.8	432.9	362.7	432.9	421.6	378.5	340.0
25°	510.0	507.8	512.3	398.9	446.6	387.6	446.6	387.6	405.7	485.1	496.4
27.5°	460.2	457.9	451.1	487.4	423.9	489.6	421.6	473.8	487.4	525.9	609.8
30°	648.3	639.2	616.6	489.6	498.7	471.5	498.7	582.6	627.9	705.0	729.9
32.5°	945.2	897.6	748.0	648.3	528.2	603.0	564.4	684.6	727.6	766.2	786.6
35°	1221.8	1201.4	1092.6	856.8	643.8	666.4	637.0	766.2	791.1	872.7	868.2
37.5°	1600.3	1566.3	1398.6	1106.2	809.2	800.2	725.4	872.7	890.8	1008.7	986.0
40°	1883.7	1856.5	1725.0	1373.7	1029.1	949.8	847.8	1020.0	999.6	1158.3	1126.6
42.5°	2155.7	2139.8	2037.8	1679.7	1271.6	1181.0	974.7	1201.4	1196.8	1335.1	1307.9
45°	2375.6	2357.4	2291.7	1953.9	1550.5	1552.7	1174.2	1400.9	1432.6	1564.1	1493.8
47.5°	2504.8	2466.2	2418.6	2171.5	1831.5	1908.6	1468.9	1627.5	1704.6	1817.9	1711.4
50°	2475.3	2436.8	2441.3	2309.8	2089.9	2214.6	1783.9	1867.8	2021.9	2110.3	1899.5
52.5°	2239.6	2216.9	2291.7	2284.9	2221.4	2495.7	2151.1	2128.5	2280.4	2339.3	2092.2
55°	1904.1	1872.3	2012.9	2112.6	2221.4	2670.2	2491.2	2418.6	2556.9	2547.8	2223.7
57.5°	1446.2	1457.5	1616.2	1772.6	2040.1	2704.2	2742.8	2733.7	2797.2	2720.1	2328.0
60°	988.3	995.1	1219.5	1396.3	1672.9	2525.2	2824.4	2994.4	2987.6	2865.2	2445.8
62.5°	621.1	618.8	788.8	1067.6	1203.6	2055.9	2792.6	3191.6	3166.7	2974.0	2536.5
65°	358.1	367.2	428.4	707.2	836.4	1403.1	2609.0	3384.3	3314.0	3071.4	2634.0
67.5°	219.9	226.7	256.1	383.1	546.3	775.2	2219.1	3431.9	3436.4	3150.8	2686.1
70°	185.9	188.1	201.7	235.7	380.8	435.2	1493.8	3209.7	3341.2	3168.9	2670.2
72.5°	156.4	158.7	179.1	206.3	283.3	308.3	671.0	2652.1	2901.4	3030.6	2554.6
75°	115.6	117.9	147.3	188.1	206.3	247.1	367.2	1756.7	1992.5	2396.0	2178.3
77.5°	74.8	77.1	104.3	151.9	174.5	194.9	296.9	820.6	1038.2	1385.0	1375.9
80°	49.9	49.9	61.2	106.5	138.3	158.7	258.4	405.7	462.4	571.2	535.0
82.5°	31.7	31.7	38.5	65.7	88.4	158.7	242.5	290.1	281.1	285.6	253.9
85°	13.6	13.6	20.4	36.3	47.6	104.3	217.6	249.3	238.0	238.0	226.7
87.5°	4.5	4.5	6.8	11.3	15.9	31.7	167.7	199.5	192.7	199.5	215.3
90°	4.5	4.5	2.3	4.5	4.5	22.7	136.0	197.2	192.7	201.7	222.1
92.5°	6.8	6.8	2.3	2.3	4.5	18.1	106.5	204.0	197.2	210.8	231.2
95°	11.3	11.3	4.5	2.3	6.8	15.9	65.7	181.3	197.2	208.5	235.7
97.5°	13.6	13.6	4.5	4.5	6.8	13.6	34.0	147.3	151.9	158.7	185.9
100°	18.1	18.1	4.5	4.5	4.5	11.3	18.1	77.1	79.3	56.7	90.7
102.5°	18.1	18.1	4.5	4.5	4.5	6.8	9.1	34.0	31.7	11.3	11.3
105°	20.4	20.4	6.8	4.5	4.5	4.5	4.5	11.3	11.3	6.8	13.6
107.5°	20.4	20.4	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	13.6
110°	15.9	15.9	6.8	6.8	4.5	2.3	2.3	2.3	4.5	6.8	15.9

REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	11.3	11.3	4.5	6.8	4.5	2.3	2.3	2.3	4.5	9.1	22.7
115°	4.5	4.5	2.3	4.5	2.3	2.3	2.3	4.5	4.5	6.8	18.1
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	2.3	6.8	15.9
120°	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	9.1	15.9
122.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	9.1	15.9
125°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	6.8	13.6
127.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	13.6
130°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	9.1
132.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	6.8
135°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.5
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	4.5	4.5	2.3	0.0	4.5	2.3	2.3	2.3	2.3
152.5°	4.5	4.5	4.5	4.5	2.3	0.0	2.3	4.5	2.3	2.3	2.3
155°	4.5	4.5	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.5	6.8
157.5°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	0.0	0.0
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: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1
2.5°	648.3	648.3	646.0	646.0	639.2	637.0	607.5	575.8	550.8	553.1	553.1
5°	641.5	637.0	630.2	584.8	528.2	519.1	519.1	514.6	512.3	514.6	514.6
7.5°	559.9	555.4	528.2	505.5	507.8	503.2	494.2	491.9	453.4	414.8	412.5
10°	482.8	476.0	403.5	387.6	385.3	401.2	439.7	426.1	412.5	396.7	403.5
12.5°	403.5	401.2	335.5	371.7	324.1	333.2	342.3	328.7	281.1	226.7	233.5
15°	467.0	460.2	380.8	308.3	276.5	278.8	183.6	176.8	142.8	129.2	122.4
17.5°	346.8	380.8	333.2	308.3	278.8	145.1	117.9	90.7	81.6	65.7	68.0
20°	464.7	455.6	380.8	287.9	215.3	122.4	65.7	52.1	63.5	65.7	65.7
22.5°	328.7	319.6	321.9	306.0	151.9	70.3	49.9	52.1	47.6	45.3	45.3
25°	482.8	467.0	389.9	233.5	113.3	45.3	47.6	36.3	43.1	43.1	43.1
27.5°	587.1	532.7	410.3	226.7	63.5	45.3	34.0	36.3	29.5	29.5	29.5
30°	702.7	671.0	537.2	210.8	49.9	36.3	31.7	24.9	27.2	27.2	27.2
32.5°	754.8	711.8	537.2	167.7	43.1	34.0	24.9	22.7	22.7	24.9	24.9
35°	829.6	784.3	535.0	111.1	36.3	27.2	20.4	20.4	20.4	20.4	20.4
37.5°	943.0	877.2	544.0	70.3	29.5	22.7	15.9	18.1	18.1	38.5	38.5
40°	1069.9	995.1	519.1	49.9	24.9	18.1	13.6	22.7	31.7	34.0	34.0
42.5°	1230.8	1149.2	482.8	43.1	22.7	13.6	11.3	18.1	27.2	43.1	43.1
45°	1423.5	1301.1	432.9	38.5	18.1	11.3	11.3	22.7	34.0	40.8	40.8
47.5°	1595.8	1448.5	346.8	36.3	15.9	9.1	15.9	24.9	29.5	47.6	47.6
50°	1797.5	1602.6	265.2	31.7	13.6	9.1	24.9	27.2	34.0	43.1	43.1
52.5°	1947.1	1731.8	201.7	29.5	13.6	6.8	24.9	24.9	38.5	49.9	49.9
55°	2067.3	1802.1	145.1	24.9	11.3	6.8	29.5	31.7	34.0	38.5	38.5
57.5°	2160.2	1851.9	113.3	22.7	11.3	15.9	36.3	40.8	36.3	38.5	38.5
60°	2266.8	1876.9	83.9	20.4	9.1	15.9	43.1	54.4	40.8	58.9	56.7
62.5°	2364.2	1895.0	68.0	20.4	9.1	18.1	47.6	68.0	54.4	79.3	81.6
65°	2486.6	1917.7	56.7	15.9	9.1	24.9	56.7	90.7	72.5	104.3	108.8
67.5°	2568.2	1931.3	47.6	15.9	9.1	29.5	79.3	117.9	90.7	131.5	136.0
70°	2577.3	1881.4	38.5	15.9	9.1	45.3	108.8	142.8	113.3	167.7	170.0
72.5°	2459.4	1738.6	31.7	18.1	9.1	49.9	126.9	165.5	133.7	222.1	224.4
75°	1987.9	1219.5	29.5	18.1	9.1	63.5	138.3	181.3	149.6	231.2	235.7
77.5°	1221.8	564.4	27.2	20.4	13.6	70.3	140.5	192.7	156.4	231.2	238.0
80°	473.8	278.8	24.9	22.7	31.7	79.3	151.9	194.9	156.4	215.3	224.4
82.5°	219.9	163.2	24.9	24.9	40.8	81.6	149.6	181.3	145.1	192.7	190.4
85°	197.2	160.9	27.2	27.2	43.1	70.3	117.9	154.1	124.7	151.9	151.9
87.5°	192.7	158.7	29.5	34.0	43.1	40.8	90.7	131.5	106.5	113.3	113.3
90°	197.2	165.5	31.7	38.5	36.3	22.7	72.5	108.8	81.6	72.5	70.3
92.5°	210.8	167.7	38.5	45.3	34.0	18.1	61.2	88.4	58.9	47.6	45.3
95°	222.1	172.3	47.6	54.4	36.3	15.9	54.4	70.3	43.1	29.5	27.2
97.5°	185.9	133.7	54.4	58.9	36.3	15.9	47.6	56.7	34.0	15.9	15.9
100°	79.3	58.9	56.7	63.5	34.0	13.6	40.8	45.3	22.7	6.8	9.1
102.5°	15.9	18.1	49.9	58.9	27.2	9.1	27.2	27.2	15.9	2.3	4.5
105°	15.9	13.6	31.7	49.9	15.9	4.5	11.3	15.9	6.8	2.3	2.3
107.5°	15.9	15.9	11.3	24.9	6.8	4.5	4.5	6.8	4.5	2.3	2.3
110°	18.1	15.9	4.5	6.8	4.5	4.5	4.5	4.5	2.3	11.3	13.6

REPORT NUMBER: P560979

CATALOG NUMBER: SDL-PA1-70-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.7	20.4	4.5	6.8	6.8	4.5	2.3	2.3	4.5	15.9	18.1
115°	20.4	18.1	6.8	6.8	4.5	4.5	2.3	2.3	4.5	18.1	20.4
117.5°	15.9	15.9	6.8	4.5	4.5	4.5	2.3	2.3	4.5	18.1	18.1
120°	18.1	15.9	6.8	4.5	2.3	2.3	2.3	2.3	4.5	13.6	13.6
122.5°	18.1	15.9	6.8	4.5	2.3	2.3	2.3	2.3	4.5	13.6	15.9
125°	15.9	13.6	6.8	4.5	2.3	2.3	2.3	2.3	6.8	13.6	13.6
127.5°	13.6	11.3	4.5	2.3	2.3	2.3	2.3	2.3	6.8	11.3	11.3
130°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	2.3	6.8	9.1	9.1
132.5°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	9.1
135°	6.8	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	2.3	2.3	4.5	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
155°	6.8	6.8	6.8	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
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)