

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: P560447

Luminaire Tested: **SDL-PA1-40-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2771.2 lumens
Efficiency: N/A
Efficacy: 70.3 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: B0 - U2 - G1

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

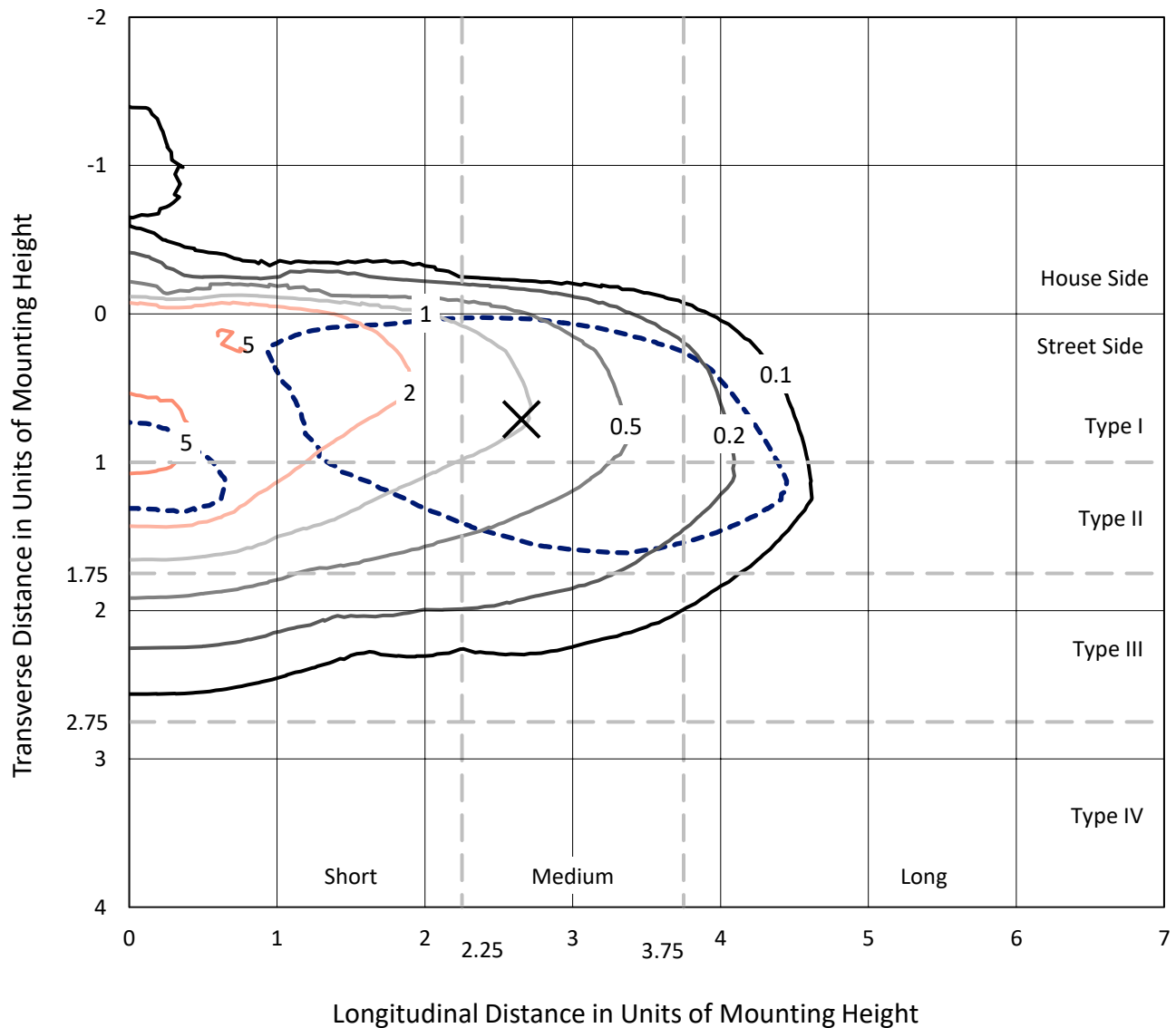


REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

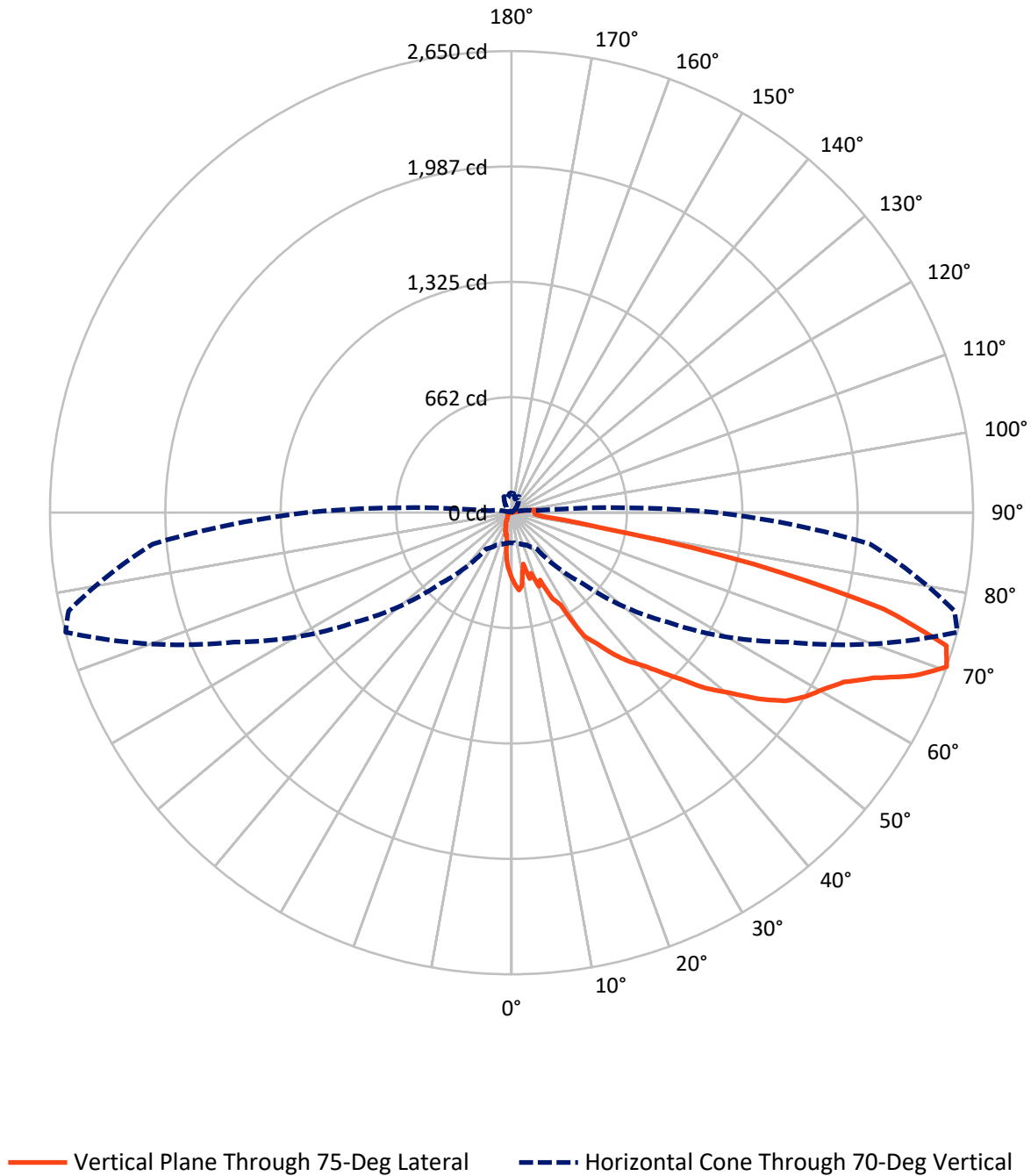


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

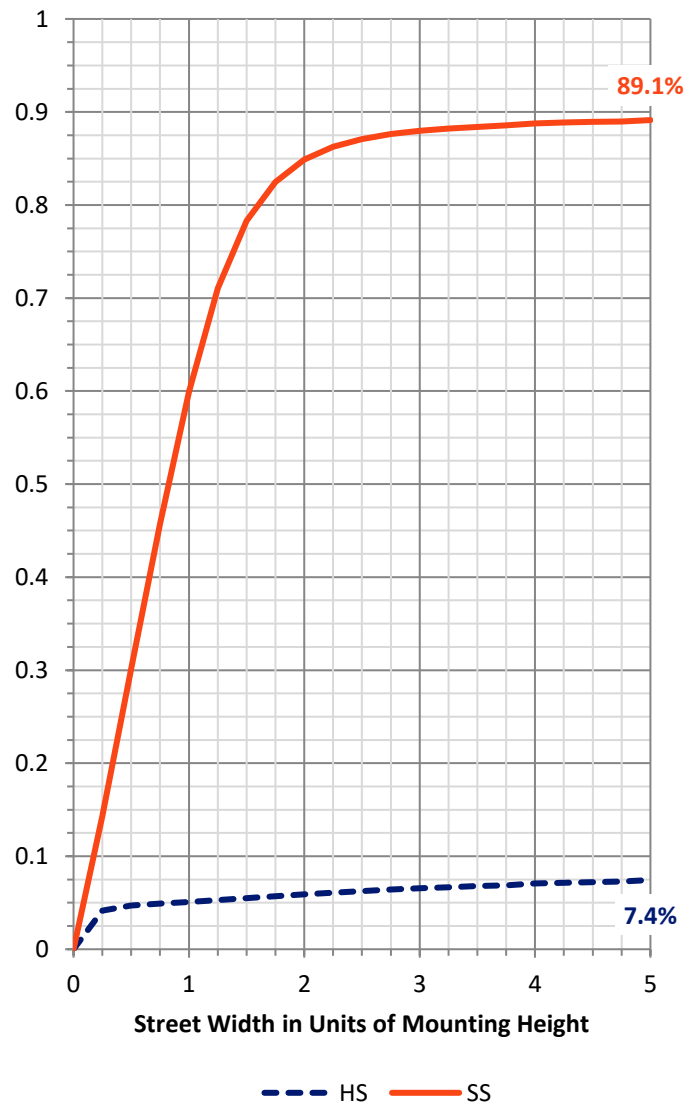
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.8	28.0	253.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	2482.1	35.3	2517.4
	% Fixture	89.6	1.3	90.8
Total	Lumens	2707.9	63.3	2771.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	1.1
10°-20°	73.1	2.6
20°-30°	137.1	4.9
30°-40°	307.8	11.1
40°-50°	506.5	18.3
50°-60°	620.9	22.4
60°-70°	581.5	21.0
70°-80°	378.7	13.7
80°-90°	72.3	2.6
90°-100°	41.5	1.5
100°-110°	9.3	0.3
110°-120°	4.7	0.2
120°-130°	4.0	0.1
130°-140°	1.9	0.1
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2707.9	97.7
0°-180°	2771.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560447

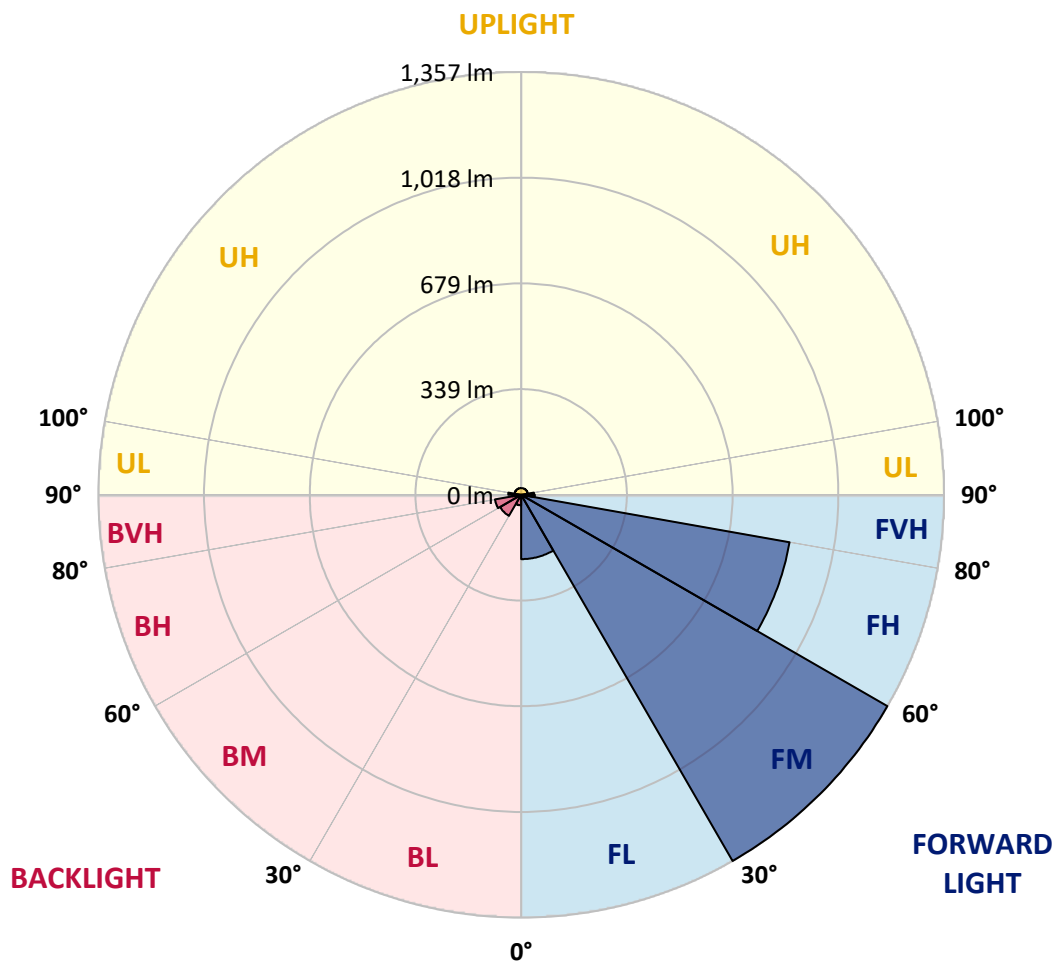
CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.4	7.4			
FM	(30°-60°)	1357.1	49.0			
FH	(60°-80°)	874.7	31.6			G1/1800
FVH	(80°-90°)	43.8	1.6			G1/100
BL	(0°-30°)	33.7	1.2	B0/110		
BM	(30°-60°)	78.0	2.8	B0/220		
BH	(60°-80°)	85.5	3.1	B0/110		G0/110
BVH	(80°-90°)	28.5	1.0			G1/100
UL	(90°-100°)	41.5	1.5		U2/50	
UH	(100°-180°)	21.8	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0
2.5°	420.7	447.1	455.1	468.3	474.9	467.0	452.4	433.9	414.1	408.8	391.6
5°	477.6	472.3	468.3	468.3	460.4	443.2	427.3	476.2	445.8	439.2	404.8
7.5°	433.9	474.9	505.3	508.0	504.0	490.8	468.3	418.0	424.6	416.7	374.4
10°	525.2	526.5	521.2	525.2	488.1	469.6	396.9	366.4	342.6	374.4	336.0
12.5°	435.2	500.0	537.1	550.3	504.0	443.2	406.1	390.2	302.9	295.0	304.3
15°	531.8	534.4	538.4	525.2	408.8	464.3	377.0	347.9	392.9	382.3	375.7
17.5°	420.7	426.0	515.9	510.6	473.6	367.8	448.4	399.5	365.1	351.9	342.6
20°	535.8	537.1	535.8	406.1	441.8	494.7	422.0	408.8	452.4	447.1	423.3
22.5°	449.8	449.8	480.2	521.2	464.3	496.1	429.9	509.3	420.7	418.0	314.8
25°	621.7	621.7	600.6	460.4	526.5	467.0	510.6	457.7	543.7	525.2	472.3
27.5°	604.5	586.0	553.0	580.7	509.3	584.7	494.7	558.2	599.3	616.5	588.7
30°	840.0	840.0	804.3	621.7	596.6	564.9	571.5	668.0	821.5	824.1	711.7
32.5°	1137.7	1116.5	927.3	801.7	652.2	709.1	645.6	785.8	892.9	889.0	756.7
35°	1259.4	1252.7	1194.5	984.2	755.4	776.5	727.6	830.8	989.5	963.0	810.9
37.5°	1383.7	1373.1	1313.6	1087.4	863.8	891.6	788.4	896.9	1078.1	1039.8	870.4
40°	1460.4	1461.8	1419.4	1169.4	949.8	964.4	861.2	977.6	1149.6	1157.5	922.0
42.5°	1541.1	1539.8	1505.4	1266.0	1021.2	1039.8	919.4	1054.3	1246.1	1255.4	1009.3
45°	1584.8	1582.1	1562.3	1332.1	1078.1	1091.4	1009.3	1148.2	1363.9	1361.2	1080.8
47.5°	1595.4	1599.3	1598.0	1396.9	1137.7	1142.9	1090.0	1217.0	1506.7	1477.6	1174.7
50°	1535.8	1538.5	1557.0	1448.5	1181.3	1186.6	1153.5	1295.1	1627.1	1592.7	1259.4
52.5°	1370.5	1386.4	1464.4	1416.8	1199.8	1219.7	1213.1	1354.6	1774.0	1731.6	1363.9
55°	1018.6	1055.6	1234.2	1297.7	1190.6	1221.0	1266.0	1463.1	1907.6	1856.0	1448.5
57.5°	812.2	818.8	924.7	1099.3	1115.2	1214.4	1321.5	1529.2	1990.9	1939.3	1509.4
60°	641.6	652.2	721.0	861.2	973.6	1174.7	1337.4	1596.7	2057.0	2013.4	1576.8
62.5°	497.4	496.1	549.0	642.9	784.5	1091.4	1316.2	1637.7	2141.7	2108.6	1697.2
65°	346.6	346.6	391.6	467.0	594.0	941.9	1273.9	1695.9	2285.9	2276.6	1846.7
67.5°	236.8	242.1	272.5	309.5	407.4	765.9	1210.4	1755.4	2496.2	2452.6	1990.9
70°	173.3	173.3	185.2	205.0	254.0	571.5	1096.6	1756.8	2649.7	2604.7	2066.3
72.5°	128.3	128.3	137.6	146.8	160.1	379.7	899.5	1645.6	2610.0	2538.6	1912.9
75°	67.5	67.5	104.5	108.5	107.2	246.1	664.1	1352.0	2206.5	2087.5	1497.5
77.5°	52.9	54.2	59.5	84.7	78.0	161.4	370.4	832.1	1426.0	1280.5	810.9
80°	38.4	37.0	46.3	54.2	46.3	93.9	174.6	365.1	505.3	437.9	267.2
82.5°	22.5	23.8	27.8	39.7	39.7	66.1	113.8	160.1	181.2	179.9	160.1
85°	2.6	4.0	14.6	26.5	23.8	38.4	95.2	111.1	142.9	145.5	142.9
87.5°	2.6	2.6	4.0	5.3	6.6	25.1	80.7	96.6	132.3	141.5	142.9
90°	5.3	4.0	2.6	2.6	4.0	19.8	75.4	99.2	140.2	142.9	149.5
92.5°	6.6	5.3	2.6	1.3	4.0	15.9	71.4	99.2	145.5	154.8	161.4
95°	9.3	7.9	2.6	1.3	4.0	13.2	60.9	93.9	152.1	168.0	174.6
97.5°	11.9	10.6	2.6	2.6	4.0	10.6	47.6	74.1	100.5	113.8	123.0
100°	13.2	13.2	2.6	2.6	4.0	6.6	23.8	41.0	31.7	30.4	34.4
102.5°	14.6	14.6	2.6	2.6	2.6	4.0	7.9	17.2	6.6	6.6	10.6
105°	14.6	14.6	2.6	2.6	2.6	2.6	2.6	6.6	5.3	6.6	11.9
107.5°	13.2	14.6	2.6	4.0	4.0	2.6	2.6	2.6	5.3	7.9	11.9
110°	11.9	11.9	2.6	4.0	4.0	2.6	1.3	2.6	5.3	7.9	13.2

REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	9.3	6.6	1.3	4.0	2.6	2.6	1.3	2.6	6.6	9.3	13.2
115°	4.0	2.6	1.3	2.6	2.6	2.6	1.3	2.6	6.6	10.6	13.2
117.5°	2.6	1.3	1.3	1.3	1.3	2.6	1.3	4.0	9.3	11.9	15.9
120°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	11.9	13.2	18.5
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	11.9	13.2	18.5
125°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	9.3	11.9	15.9
127.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	6.6	9.3	13.2
130°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	6.6	7.9	10.6
132.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	5.3	7.9
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	5.3
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3
150°	2.6	4.0	6.6	5.3	2.6	1.3	2.6	1.3	1.3	1.3	1.3
152.5°	6.6	6.6	5.3	5.3	1.3	1.3	2.6	2.6	1.3	1.3	1.3
155°	5.3	5.3	4.0	1.3	1.3	1.3	1.3	2.6	4.0	5.3	4.0
157.5°	0.0	0.0	0.0	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: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0	377.0
2.5°	378.3	365.1	336.0	313.5	289.7	276.5	251.3	230.2	214.3	211.7	211.7
5°	378.3	351.9	300.3	244.7	193.1	166.7	152.1	142.9	136.3	133.6	132.3
7.5°	338.7	304.3	235.5	170.6	148.2	124.3	107.2	93.9	82.0	78.0	74.1
10°	296.3	254.0	160.1	117.7	93.9	78.0	70.1	66.1	62.2	60.9	60.9
12.5°	263.2	219.6	128.3	96.6	66.1	55.6	52.9	50.3	48.9	47.6	46.3
15°	321.5	263.2	133.6	66.1	46.3	39.7	37.0	38.4	41.0	41.0	41.0
17.5°	297.6	231.5	111.1	50.3	38.4	29.1	31.7	34.4	37.0	33.1	31.7
20°	355.8	272.5	108.5	39.7	31.7	29.1	27.8	23.8	30.4	30.4	30.4
22.5°	258.0	206.4	82.0	37.0	26.5	25.1	21.2	23.8	25.1	21.2	21.2
25°	382.3	268.5	80.7	29.1	26.5	19.8	21.2	17.2	21.2	21.2	21.2
27.5°	473.6	317.5	71.4	30.4	22.5	19.8	15.9	17.2	15.9	15.9	15.9
30°	563.5	357.2	64.8	30.4	21.2	15.9	14.6	13.2	15.9	15.9	15.9
32.5°	590.0	347.9	51.6	31.7	19.8	14.6	11.9	13.2	13.2	14.6	14.6
35°	620.4	340.0	43.7	27.8	18.5	13.2	10.6	11.9	13.2	14.6	14.6
37.5°	649.5	326.7	39.7	25.1	15.9	11.9	9.3	10.6	27.8	30.4	30.4
40°	686.6	310.9	37.0	22.5	13.2	9.3	7.9	21.2	25.1	29.1	29.1
42.5°	739.5	301.6	34.4	21.2	11.9	7.9	7.9	18.5	35.7	39.7	39.7
45°	783.1	285.7	33.1	18.5	10.6	6.6	13.2	25.1	29.1	37.0	35.7
47.5°	837.4	271.2	31.7	17.2	9.3	6.6	14.6	26.5	37.0	42.3	42.3
50°	895.6	263.2	30.4	15.9	9.3	6.6	25.1	25.1	30.4	47.6	47.6
52.5°	969.7	258.0	27.8	13.2	7.9	13.2	34.4	30.4	37.0	48.9	48.9
55°	1005.4	240.8	26.5	11.9	6.6	13.2	37.0	34.4	38.4	51.6	51.6
57.5°	1037.1	223.6	23.8	11.9	6.6	17.2	39.7	43.7	37.0	45.0	50.3
60°	1066.2	206.4	21.2	10.6	6.6	21.2	43.7	60.9	51.6	60.9	60.9
62.5°	1133.7	193.1	18.5	11.9	5.3	23.8	56.9	74.1	58.2	74.1	72.8
65°	1197.2	177.3	17.2	10.6	6.6	27.8	62.2	86.0	63.5	86.0	86.0
67.5°	1222.3	157.4	15.9	10.6	6.6	31.7	62.2	95.2	75.4	96.6	97.9
70°	1178.7	129.6	14.6	11.9	7.9	35.7	64.8	101.9	80.7	112.4	112.4
72.5°	1001.4	88.6	14.6	13.2	15.9	39.7	76.7	105.8	84.7	134.9	136.3
75°	747.4	50.3	15.9	14.6	17.2	45.0	84.7	109.8	88.6	136.3	136.3
77.5°	426.0	34.4	15.9	17.2	21.2	45.0	88.6	113.8	87.3	133.6	131.0
80°	148.2	25.1	15.9	19.8	26.5	45.0	90.0	112.4	84.7	124.3	124.3
82.5°	100.5	21.2	15.9	19.8	31.7	47.6	88.6	105.8	75.4	104.5	100.5
85°	93.9	17.2	17.2	21.2	34.4	47.6	80.7	91.3	63.5	78.0	76.7
87.5°	92.6	15.9	19.8	22.5	37.0	43.7	68.8	75.4	51.6	63.5	62.2
90°	96.6	15.9	21.2	23.8	34.4	35.7	55.6	63.5	42.3	50.3	48.9
92.5°	103.2	15.9	22.5	26.5	30.4	26.5	45.0	50.3	35.7	38.4	37.0
95°	109.8	15.9	25.1	27.8	25.1	19.8	34.4	41.0	29.1	27.8	27.8
97.5°	72.8	11.9	26.5	27.8	21.2	14.6	26.5	31.7	17.2	14.6	14.6
100°	23.8	9.3	27.8	29.1	19.8	10.6	22.5	23.8	13.2	6.6	6.6
102.5°	10.6	9.3	25.1	25.1	17.2	7.9	15.9	17.2	9.3	2.6	2.6
105°	9.3	5.3	14.6	18.5	11.9	4.0	7.9	9.3	5.3	2.6	2.6
107.5°	10.6	5.3	7.9	10.6	5.3	4.0	4.0	4.0	2.6	2.6	2.6
110°	10.6	5.3	4.0	6.6	5.3	4.0	2.6	2.6	2.6	4.0	4.0

REPORT NUMBER: P560447

CATALOG NUMBER: SDL-PA1-40-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	5.3	4.0	5.3	4.0	4.0	2.6	2.6	5.3	9.3	9.3
115°	11.9	5.3	4.0	5.3	4.0	4.0	2.6	1.3	5.3	13.2	14.6
117.5°	13.2	6.6	2.6	4.0	2.6	2.6	2.6	1.3	6.6	17.2	17.2
120°	15.9	6.6	2.6	2.6	2.6	1.3	2.6	2.6	6.6	18.5	18.5
122.5°	15.9	7.9	2.6	2.6	2.6	1.3	1.3	2.6	7.9	17.2	18.5
125°	13.2	6.6	2.6	2.6	2.6	1.3	1.3	2.6	7.9	15.9	18.5
127.5°	10.6	6.6	2.6	2.6	2.6	1.3	1.3	2.6	7.9	13.2	14.6
130°	9.3	5.3	2.6	2.6	2.6	1.3	1.3	2.6	6.6	10.6	11.9
132.5°	6.6	4.0	2.6	2.6	2.6	1.3	1.3	1.3	6.6	10.6	10.6
135°	5.3	4.0	2.6	2.6	2.6	1.3	1.3	1.3	5.3	7.9	7.9
137.5°	2.6	1.3	2.6	2.6	2.6	1.3	1.3	1.3	4.0	4.0	4.0
140°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	2.6	1.3
142.5°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
155°	2.6	2.6	1.3	2.6	1.3	1.3	0.0	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	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

(END OF REPORT)