

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: P561247

Luminaire Tested: **SDL-PA1-90-730-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-730-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6495 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 IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 92.4
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

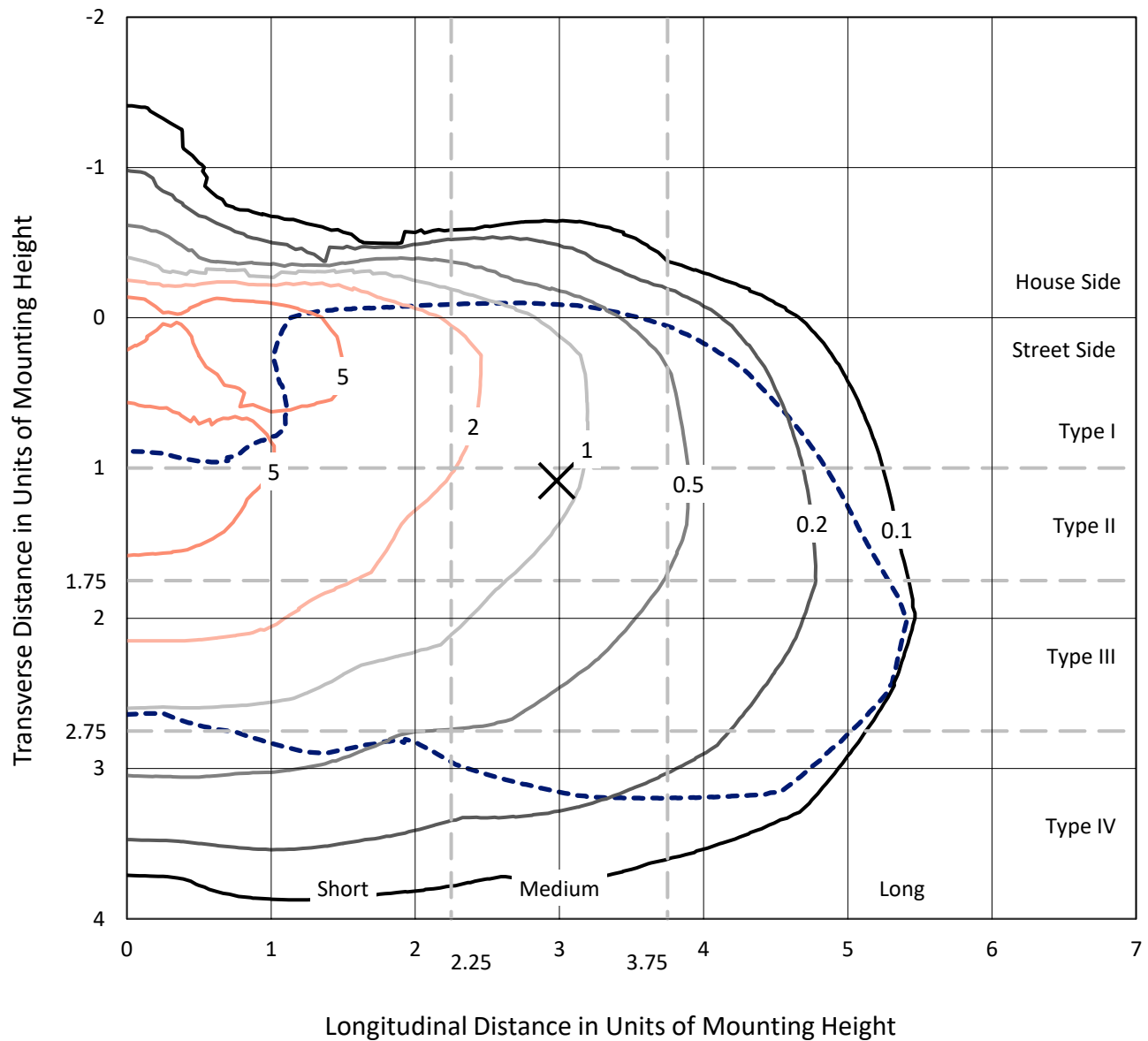


REPORT NUMBER: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

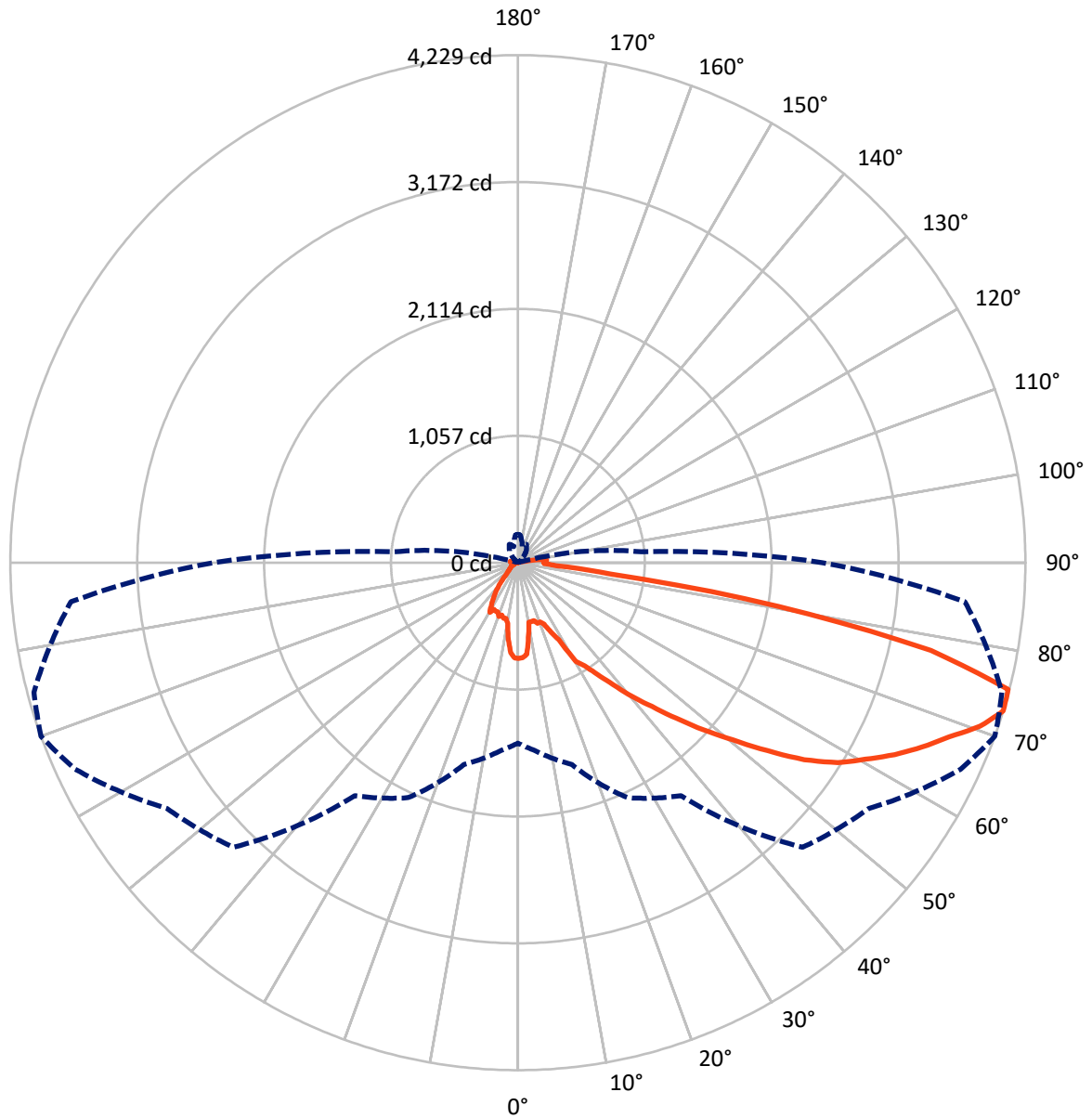
✕ Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561247
CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

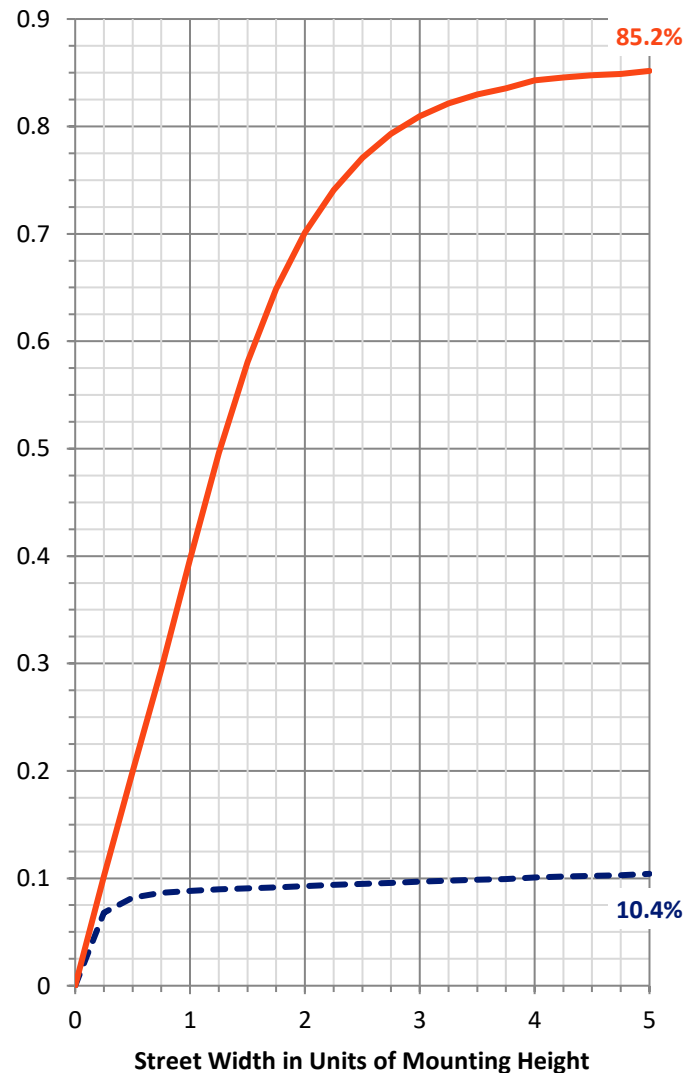
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.5	104.8	849.3
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	5561.0	84.8	5645.7
	% Fixture	85.6	1.3	86.9
Total	Lumens	6305.5	189.6	6495.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	0.9
10°-20°	121.6	1.9
20°-30°	197.0	3.0
30°-40°	421.0	6.5
40°-50°	827.6	12.7
50°-60°	1382.0	21.3
60°-70°	1715.3	26.4
70°-80°	1321.0	20.3
80°-90°	258.3	4.0
90°-100°	140.2	2.2
100°-110°	29.0	0.4
110°-120°	8.3	0.1
120°-130°	6.4	0.1
130°-140°	3.0	0.0
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6305.5	97.1
0°-180°	6495.0	100.0

Coefficient of Utilization



REPORT NUMBER: P561247

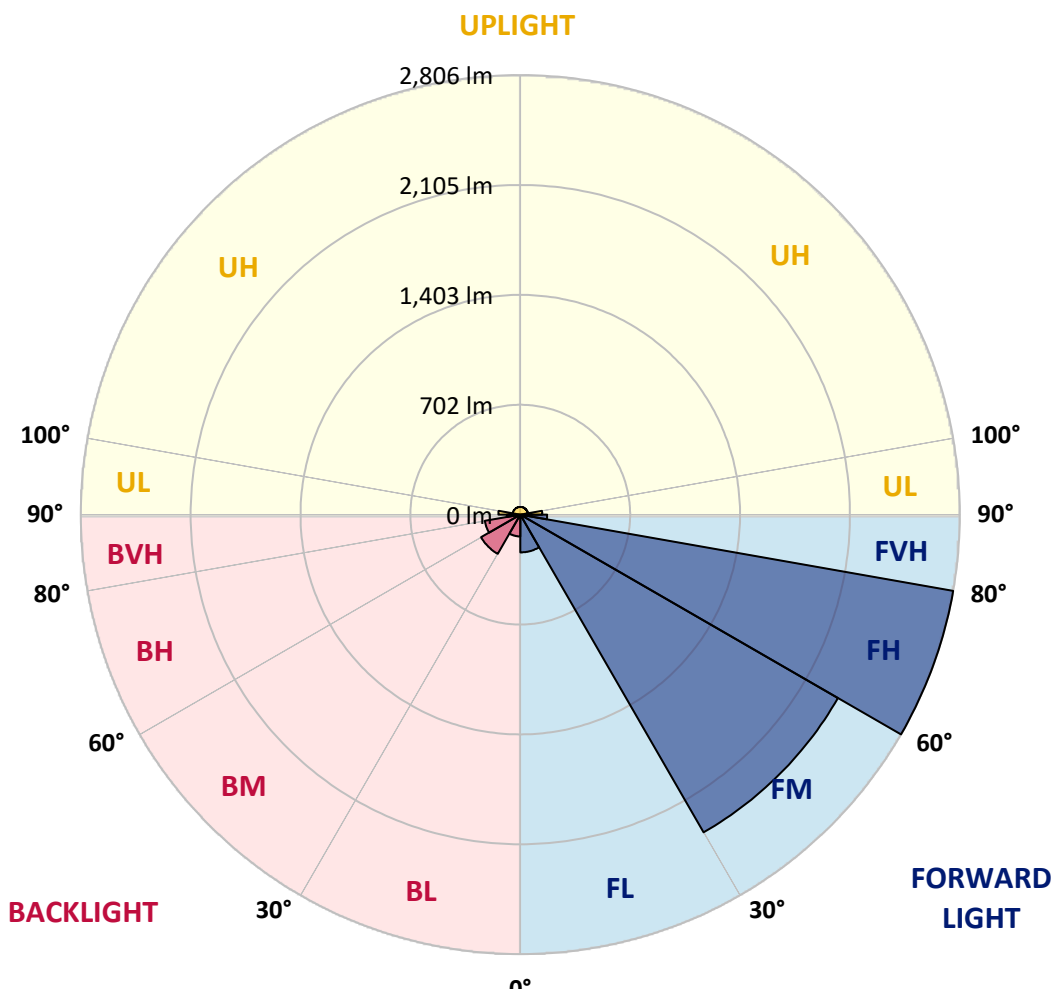
CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.9	3.7			
FM	(30°-60°)	2341.9	36.1			
FH	(60°-80°)	2806.2	43.2			G2/5000
FVH	(80°-90°)	171.9	2.6			G2/225
BL	(0°-30°)	139.3	2.1	B1/500		
BM	(30°-60°)	288.7	4.4	B1/1000		
BH	(60°-80°)	230.1	3.5	B1/500		G1/500
BVH	(80°-90°)	86.4	1.3			G1/100
UL	(90°-100°)	140.2	2.2		U3/500	
UH	(100°-180°)	49.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	672.7	747.1	750.5	757.2	764.0	774.1	791.0	791.0	791.0	791.0	794.4
5°	638.9	638.9	638.9	645.7	645.7	652.4	655.8	757.2	767.4	777.5	777.5
7.5°	530.7	581.4	584.8	605.1	628.8	638.9	645.7	638.9	628.8	669.3	686.2
10°	581.4	581.4	581.4	588.2	554.4	537.5	496.9	500.3	503.7	534.1	608.5
12.5°	483.4	513.8	544.3	578.1	534.1	480.0	469.9	496.9	503.7	449.6	534.1
15°	564.5	561.2	561.2	530.7	442.8	480.0	419.2	442.8	500.3	547.6	635.5
17.5°	466.5	453.0	527.3	520.6	473.3	378.6	483.4	480.0	530.7	490.2	547.6
20°	554.4	551.0	551.0	425.9	469.9	510.4	503.7	469.9	527.3	588.2	693.0
22.5°	466.5	459.7	473.3	510.4	466.5	527.3	459.7	581.4	554.4	537.5	503.7
25°	588.2	584.8	584.8	466.5	527.3	483.4	581.4	530.7	642.3	699.8	764.0
27.5°	527.3	527.3	503.7	540.9	503.7	608.5	557.8	669.3	726.8	764.0	922.9
30°	730.2	733.6	693.0	537.5	561.2	571.3	659.2	828.2	953.3	1044.6	1142.6
32.5°	1051.3	1031.0	862.0	733.6	595.0	706.5	730.2	963.4	1024.3	1122.3	1206.8
35°	1429.9	1419.8	1271.0	949.9	716.7	757.2	814.7	1047.9	1142.6	1240.6	1291.3
37.5°	1690.2	1680.1	1585.4	1210.2	865.4	882.3	889.1	1166.3	1287.9	1386.0	1409.6
40°	1903.2	1886.3	1828.8	1413.0	1064.8	1031.0	997.2	1328.5	1467.1	1548.2	1558.4
42.5°	2224.3	2197.3	2051.9	1646.3	1267.7	1230.5	1115.5	1470.5	1636.1	1744.3	1751.1
45°	2609.7	2586.0	2383.2	1970.8	1484.0	1473.9	1325.1	1653.0	1849.1	1977.6	1940.4
47.5°	2873.4	2809.2	2694.2	2281.8	1818.7	1730.8	1558.4	1839.0	2079.0	2271.7	2166.9
50°	3113.4	3066.1	2968.0	2626.6	2180.4	2062.1	1801.8	2051.9	2322.4	2498.1	2356.2
52.5°	3336.5	3265.5	3184.4	2883.5	2491.4	2433.9	2041.8	2264.9	2602.9	2748.3	2552.2
55°	3448.1	3336.5	3323.0	3116.8	2731.4	2684.1	2312.2	2528.6	2897.0	2998.5	2738.2
57.5°	3265.5	3262.1	3366.9	3258.7	2927.5	2903.8	2586.0	2812.5	3143.8	3191.1	2920.7
60°	3143.8	3147.2	3306.1	3312.8	3099.9	3113.4	2832.8	3140.4	3326.4	3356.8	3093.1
62.5°	2930.8	2954.5	3194.5	3350.0	3143.8	3312.8	3042.4	3366.9	3522.4	3532.6	3306.1
65°	2663.8	2687.5	2930.8	3248.6	3096.5	3444.7	3218.2	3620.5	3701.6	3708.3	3539.3
67.5°	2352.8	2362.9	2633.4	2984.9	2981.6	3492.0	3326.4	3789.5	3874.0	3894.3	3738.8
70°	2008.0	1994.5	2241.2	2646.9	2734.8	3468.3	3458.2	3955.1	4083.6	4080.2	3877.4
72.5°	1504.3	1568.5	1740.9	2160.1	2369.7	3353.4	3569.8	4070.1	4228.9	4174.8	3738.8
75°	513.8	547.6	1014.1	1375.8	1825.4	3045.8	3593.4	4076.8	4218.8	3978.8	3059.3
77.5°	169.0	158.9	226.5	547.6	1014.1	2109.4	3160.7	3556.2	3519.0	3093.1	1879.5
80°	81.1	84.5	101.4	192.7	371.8	956.7	1984.3	2251.4	2200.7	1622.6	814.7
82.5°	54.1	57.5	67.6	111.6	209.6	327.9	1054.7	1027.7	777.5	510.4	334.7
85°	23.7	23.7	33.8	57.5	128.5	216.3	402.3	351.6	317.8	294.1	273.8
87.5°	6.8	6.8	13.5	20.3	43.9	135.2	226.5	213.0	219.7	229.9	260.3
90°	6.8	6.8	6.8	6.8	33.8	142.0	229.9	216.3	216.3	229.9	273.8
92.5°	10.1	10.1	6.8	6.8	30.4	142.0	240.0	206.2	219.7	233.3	294.1
95°	10.1	13.5	6.8	3.4	23.7	145.4	246.8	219.7	240.0	236.6	314.4
97.5°	13.5	13.5	6.8	3.4	13.5	125.1	250.2	179.2	182.5	169.0	246.8
100°	16.9	16.9	6.8	6.8	10.1	64.2	185.9	114.9	71.0	54.1	81.1
102.5°	20.3	20.3	6.8	6.8	6.8	23.7	84.5	67.6	37.2	10.1	20.3
105°	20.3	23.7	6.8	6.8	3.4	10.1	37.2	27.0	13.5	10.1	20.3
107.5°	23.7	23.7	6.8	6.8	3.4	6.8	10.1	10.1	6.8	10.1	20.3



REPORT NUMBER: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.9	16.9	6.8	10.1	3.4	3.4	3.4	6.8	6.8	10.1	20.3
115°	10.1	6.8	3.4	6.8	3.4	3.4	3.4	6.8	6.8	6.8	16.9
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.1	20.3
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5	23.7
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.5	27.0
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.1	23.7
127.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	10.1	20.3
130°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	13.5
135°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
137.5°	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	6.8	6.8
157.5°	0.0	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
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: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	794.4	794.4	791.0	797.8	794.4	794.4	750.5	706.5	696.4	699.8	706.5
5°	780.9	780.9	780.9	726.8	665.9	645.7	652.4	652.4	652.4	649.0	655.8
7.5°	689.6	686.2	676.1	615.2	642.3	638.9	635.5	628.8	547.6	527.3	527.3
10°	611.9	611.9	524.0	500.3	500.3	520.6	534.1	513.8	503.7	486.8	483.4
12.5°	537.5	537.5	449.6	500.3	422.6	419.2	409.0	375.2	317.8	277.2	280.6
15°	638.9	638.9	530.7	425.9	354.9	334.7	209.6	196.1	189.3	185.9	182.5
17.5°	544.3	547.6	490.2	422.6	331.3	175.8	148.7	148.7	148.7	142.0	128.5
20°	689.6	689.6	571.3	378.6	250.2	138.6	114.9	101.4	138.6	138.6	138.6
22.5°	500.3	493.5	503.7	385.4	155.5	111.6	94.7	118.3	125.1	104.8	104.8
25°	757.2	747.1	611.9	277.2	128.5	87.9	104.8	91.3	118.3	118.3	118.3
27.5°	933.0	865.4	622.0	253.5	94.7	101.4	84.5	101.4	91.3	87.9	87.9
30°	1122.3	1091.9	750.5	199.4	91.3	84.5	87.9	81.1	94.7	87.9	87.9
32.5°	1183.2	1152.7	679.5	155.5	87.9	81.1	74.4	77.8	74.4	77.8	77.8
35°	1260.9	1230.5	601.7	118.3	81.1	71.0	67.6	67.6	64.2	60.8	60.8
37.5°	1372.5	1321.8	513.8	101.4	74.4	64.2	54.1	50.7	54.1	67.6	71.0
40°	1500.9	1416.4	405.7	91.3	64.2	54.1	40.6	47.3	57.5	57.5	57.5
42.5°	1686.8	1531.3	300.9	84.5	57.5	43.9	30.4	37.2	43.9	60.8	60.8
45°	1849.1	1599.0	213.0	77.8	47.3	33.8	23.7	37.2	47.3	54.1	54.1
47.5°	2038.4	1663.2	158.9	74.4	43.9	23.7	27.0	37.2	37.2	57.5	57.5
50°	2197.3	1676.7	128.5	67.6	33.8	16.9	33.8	33.8	40.6	50.7	50.7
52.5°	2346.0	1690.2	114.9	60.8	27.0	13.5	33.8	33.8	47.3	60.8	60.8
55°	2444.1	1649.7	104.8	54.1	23.7	10.1	37.2	37.2	37.2	47.3	47.3
57.5°	2521.8	1599.0	98.0	47.3	20.3	20.3	40.6	47.3	40.6	47.3	47.3
60°	2572.5	1507.7	84.5	43.9	16.9	20.3	50.7	60.8	47.3	71.0	71.0
62.5°	2663.8	1436.7	74.4	40.6	13.5	20.3	50.7	77.8	60.8	94.7	98.0
65°	2738.2	1372.5	64.2	30.4	13.5	27.0	57.5	98.0	74.4	118.3	121.7
67.5°	2768.6	1294.7	54.1	27.0	13.5	30.4	74.4	121.7	94.7	138.6	138.6
70°	2744.9	1213.6	43.9	27.0	13.5	47.3	98.0	142.0	114.9	169.0	172.4
72.5°	2538.7	1034.4	33.8	27.0	10.1	50.7	121.7	169.0	138.6	229.9	236.6
75°	1943.8	655.8	33.8	27.0	13.5	57.5	142.0	196.1	165.6	256.9	267.1
77.5°	1186.5	304.2	33.8	30.4	16.9	71.0	155.5	226.5	182.5	277.2	284.0
80°	527.3	189.3	33.8	33.8	33.8	87.9	182.5	250.2	206.2	294.1	304.2
82.5°	263.7	142.0	30.4	33.8	50.7	104.8	216.3	267.1	213.0	304.2	307.6
85°	226.5	128.5	30.4	37.2	54.1	121.7	233.3	270.4	223.1	300.9	304.2
87.5°	216.3	121.7	37.2	37.2	60.8	128.5	240.0	284.0	229.9	290.7	287.3
90°	226.5	118.3	40.6	43.9	77.8	131.8	243.4	277.2	229.9	273.8	273.8
92.5°	233.3	114.9	43.9	50.7	94.7	148.7	240.0	270.4	229.9	253.5	253.5
95°	240.0	114.9	50.7	57.5	94.7	162.3	229.9	246.8	213.0	226.5	223.1
97.5°	182.5	84.5	60.8	64.2	87.9	125.1	185.9	192.7	138.6	135.2	131.8
100°	64.2	37.2	60.8	71.0	54.1	54.1	111.6	135.2	81.1	50.7	57.5
102.5°	20.3	16.9	54.1	71.0	43.9	20.3	57.5	84.5	60.8	6.8	6.8
105°	20.3	20.3	30.4	57.5	30.4	6.8	20.3	47.3	37.2	6.8	6.8
107.5°	20.3	16.9	13.5	33.8	10.1	6.8	10.1	10.1	10.1	3.4	6.8



REPORT NUMBER: P561247

CATALOG NUMBER: SDL-PA1-90-730-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.7	16.9	6.8	10.1	6.8	6.8	6.8	3.4	6.8	16.9	20.3
115°	20.3	16.9	6.8	6.8	6.8	6.8	3.4	3.4	6.8	20.3	20.3
117.5°	23.7	20.3	6.8	6.8	3.4	6.8	3.4	3.4	6.8	20.3	23.7
120°	27.0	23.7	6.8	6.8	3.4	3.4	3.4	3.4	6.8	16.9	20.3
122.5°	27.0	27.0	6.8	3.4	3.4	3.4	3.4	3.4	10.1	16.9	16.9
125°	23.7	23.7	6.8	3.4	3.4	3.4	3.4	3.4	10.1	16.9	16.9
127.5°	20.3	20.3	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	16.9
130°	16.9	16.9	6.8	3.4	3.4	3.4	0.0	3.4	6.8	13.5	13.5
132.5°	13.5	10.1	6.8	3.4	3.4	3.4	0.0	3.4	6.8	10.1	13.5
135°	10.1	10.1	3.4	3.4	3.4	3.4	0.0	0.0	6.8	6.8	10.1
137.5°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
155°	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	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



Report Generated By 670245982



--- HS --- SS



u



110°	23.7	23.7	10.1	6.8	3.4	6.8	3.4	6.8	6.8	10.1	23.7
------	------	------	------	-----	-----	-----	-----	-----	-----	------	------



110°	23.7	16.9	6.8	10.1	6.8	6.8	6.8	6.8	6.8	13.5	13.5
------	------	------	-----	------	-----	-----	-----	-----	-----	------	------



(END OF REPORT)