

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: P561045

Luminaire Tested: **SDL-PA1-80-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561045
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-PA1-80-727-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA 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: 5303.6 lumens
Efficiency: N/A
Efficacy: 64.7 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

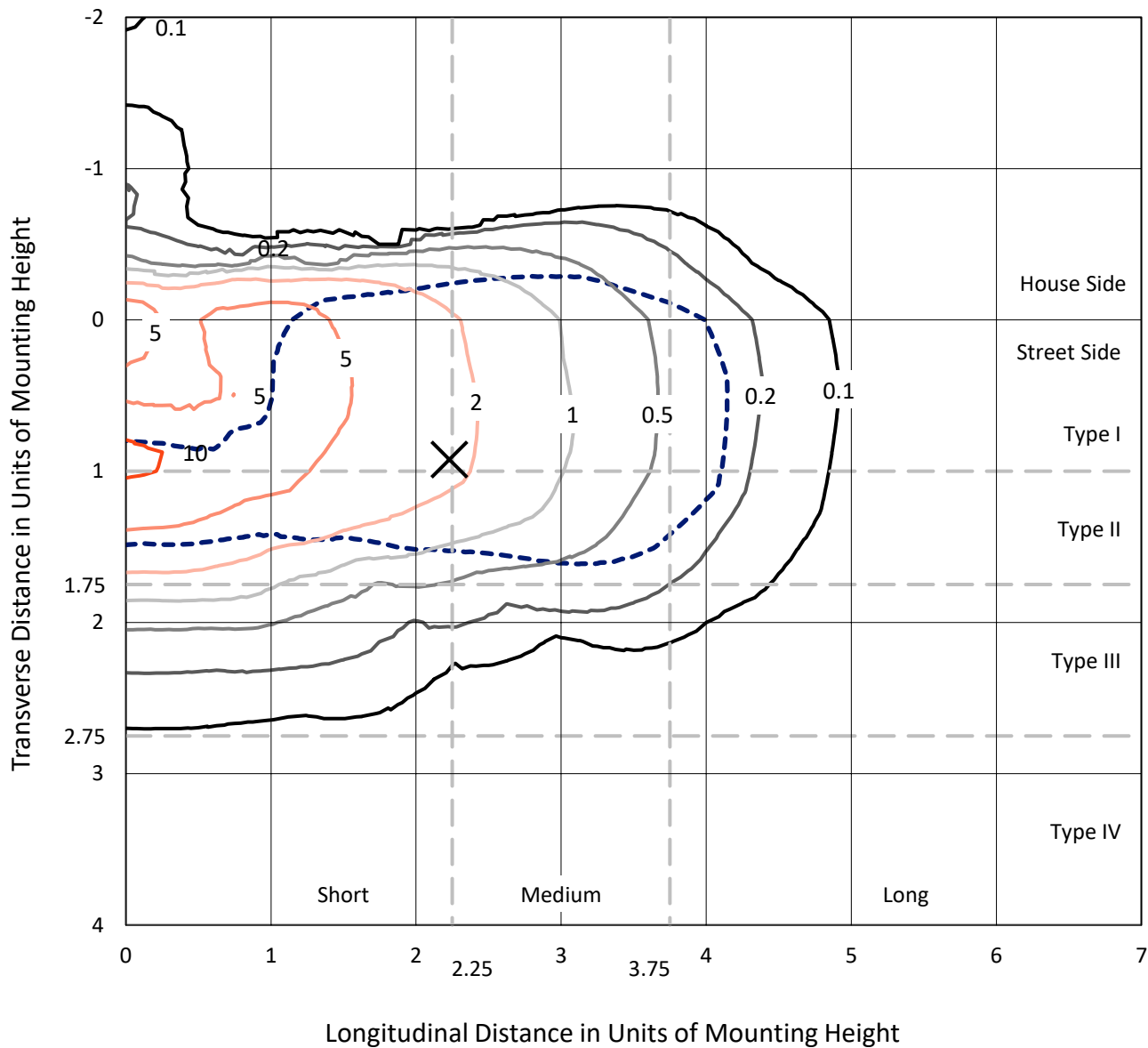
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561045
 CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

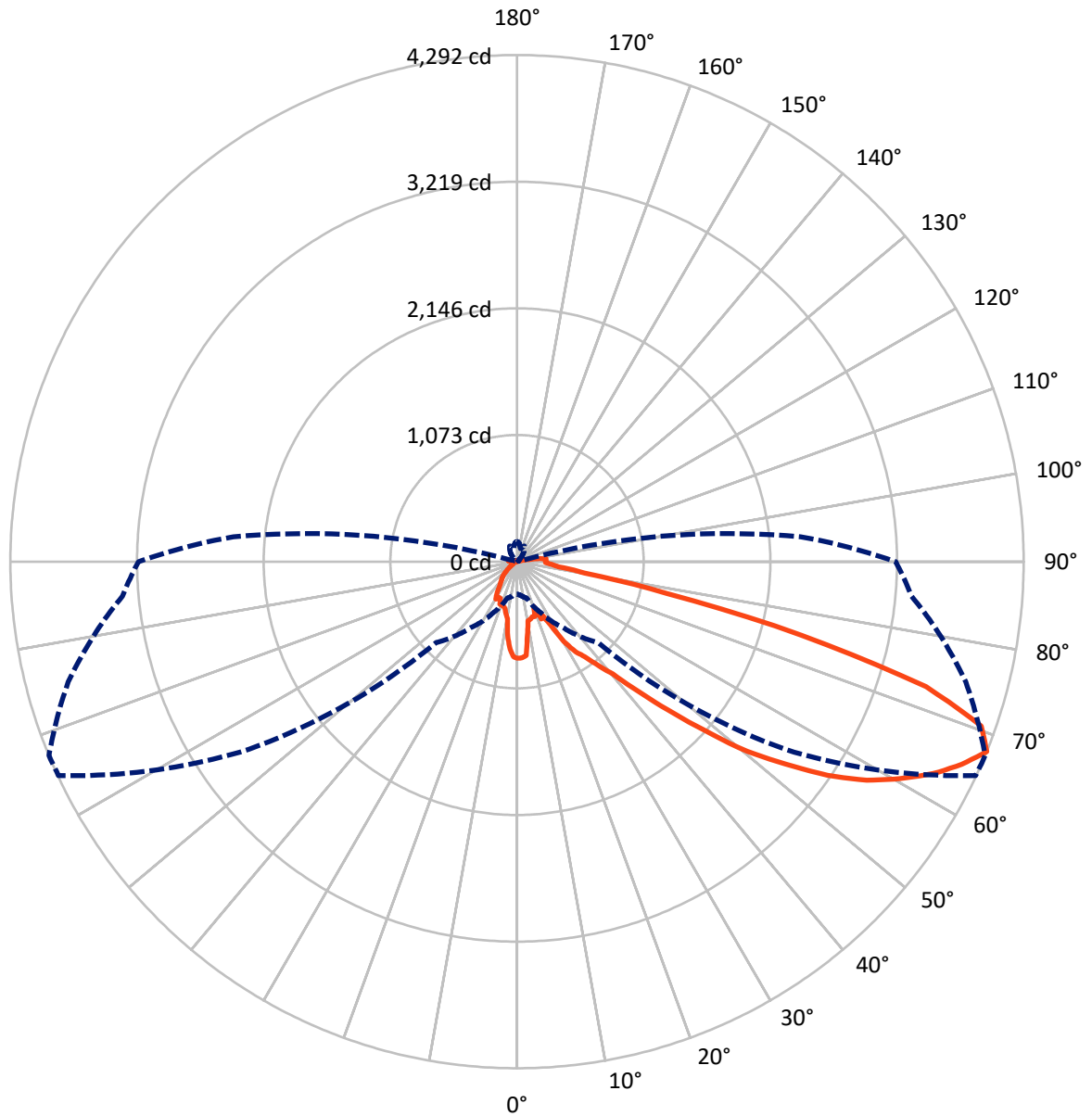
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P561045
CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P561045
 CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

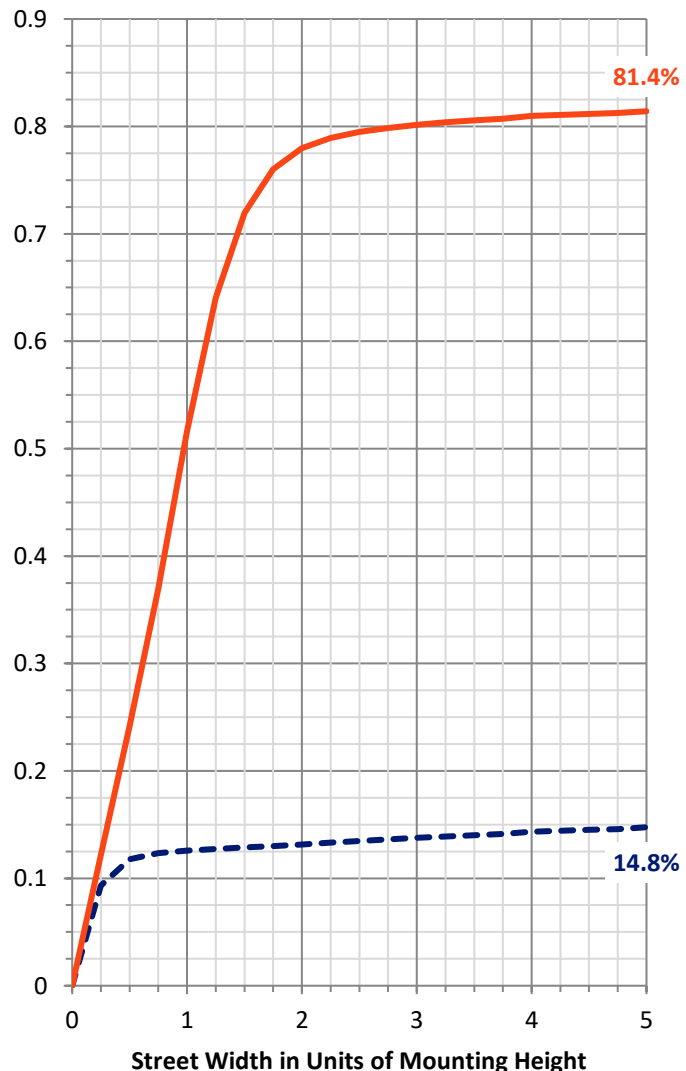
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.9	61.8	891.8
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4346.1	65.7	4411.8
	% Fixture	81.9	1.2	83.2
Total	Lumens	5176.0	127.6	5303.6
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.2
10°-20°	119.9	2.3
20°-30°	180.9	3.4
30°-40°	416.6	7.9
40°-50°	928.6	17.5
50°-60°	1381.7	26.1
60°-70°	1232.3	23.2
70°-80°	691.7	13.0
80°-90°	161.5	3.0
90°-100°	88.7	1.7
100°-110°	20.4	0.4
110°-120°	8.0	0.2
120°-130°	5.3	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5176.0	97.6
0°-180°	5303.6	100.0



REPORT NUMBER: P561045

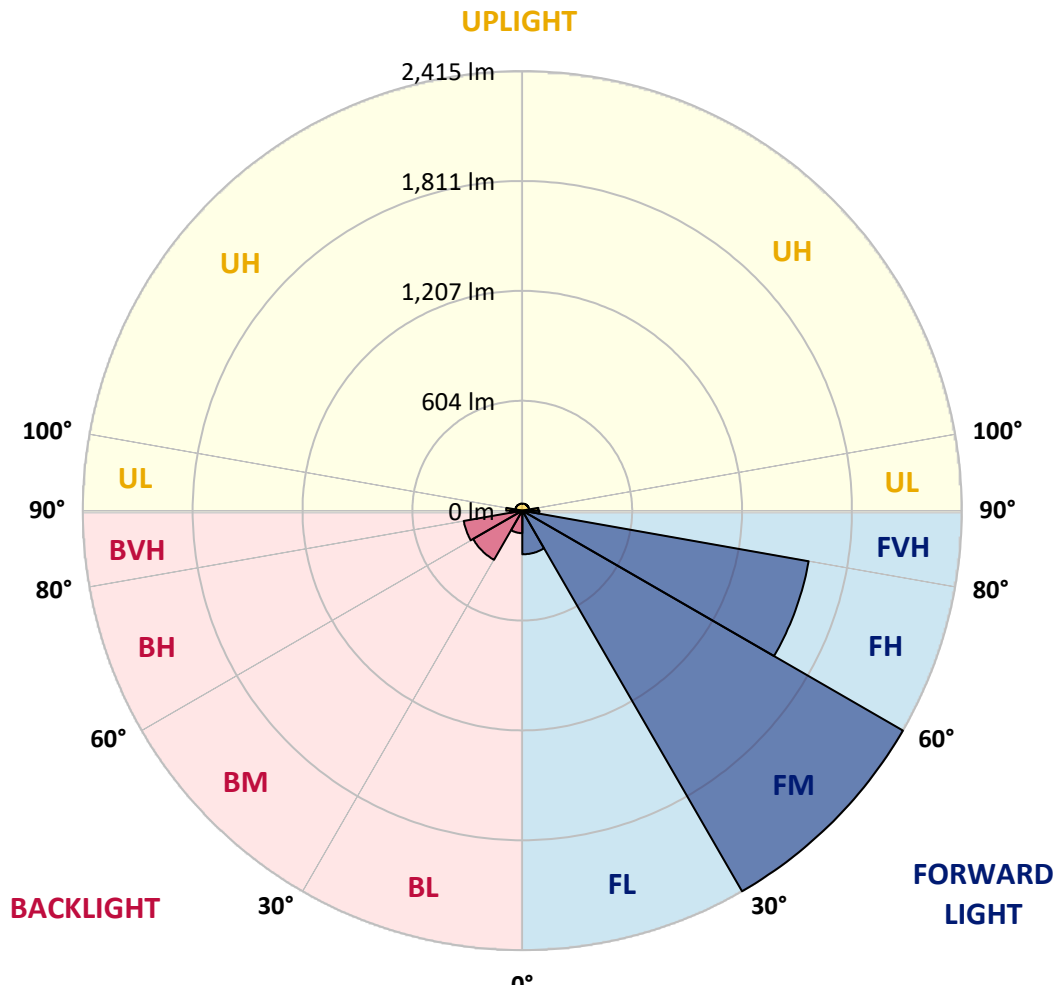
CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.9	4.5			
FM (30°-60°)	2414.9	45.5			
FH (60°-80°)	1597.5	30.1			G1/1800
FVH (80°-90°)	93.7	1.8			G1/100
BL (0°-30°)	123.7	2.3	B1/500		
BM (30°-60°)	311.9	5.9	B1/1000		
BH (60°-80°)	326.5	6.2	B1/500		G1/500
BVH (80°-90°)	67.8	1.3			G1/100
UL (90°-100°)	88.7	1.7		U3/500	
UH (100°-180°)	38.9	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





REPORT NUMBER: P561045

CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	693.6	733.2	775.7	804.0	809.6	818.1	818.1	815.3	815.3	812.5	812.5
5°	673.8	670.9	673.8	679.4	676.6	676.6	676.6	789.8	798.3	804.0	804.0
7.5°	580.3	594.5	639.8	656.8	662.4	668.1	668.1	659.6	628.5	696.4	704.9
10°	631.3	628.5	628.5	634.1	591.7	574.7	518.1	509.6	509.6	532.2	605.8
12.5°	529.4	560.5	603.0	620.0	571.8	506.7	492.6	503.9	501.1	438.8	512.4
15°	600.1	600.1	594.5	583.2	450.1	503.9	424.6	424.6	484.1	520.9	586.0
17.5°	486.9	501.1	571.8	563.3	495.4	379.3	495.4	455.8	489.7	458.6	492.6
20°	597.3	594.5	597.3	455.8	503.9	520.9	495.4	444.5	404.8	532.2	588.8
22.5°	492.6	486.9	515.2	563.3	475.6	540.7	452.9	540.7	526.5	472.8	424.6
25°	637.0	634.1	639.8	498.2	557.7	484.1	557.7	484.1	506.7	605.8	620.0
27.5°	574.7	571.8	563.3	608.6	529.4	611.5	526.5	591.7	608.6	656.8	761.5
30°	809.6	798.3	770.0	611.5	622.8	588.8	622.8	727.5	784.2	880.4	911.5
32.5°	1180.5	1121.0	934.2	809.6	659.6	753.0	704.9	854.9	908.7	956.8	982.3
35°	1525.9	1500.4	1364.5	1070.1	804.0	832.3	795.5	956.8	988.0	1089.9	1084.2
37.5°	1998.6	1956.1	1746.7	1381.5	1010.6	999.3	905.9	1089.9	1112.5	1259.7	1231.4
40°	2352.5	2318.5	2154.3	1715.5	1285.2	1186.1	1058.8	1273.9	1248.4	1446.6	1407.0
42.5°	2692.2	2672.4	2545.0	2097.7	1588.1	1474.9	1217.3	1500.4	1494.7	1667.4	1633.4
45°	2966.8	2944.1	2862.0	2440.2	1936.3	1939.2	1466.4	1749.5	1789.1	1953.3	1865.6
47.5°	3128.1	3080.0	3020.6	2712.0	2287.4	2383.6	1834.4	2032.6	2128.8	2270.4	2137.3
50°	3091.3	3043.2	3048.9	2884.7	2610.1	2765.8	2227.9	2332.7	2525.2	2635.6	2372.3
52.5°	2796.9	2768.6	2862.0	2853.5	2774.3	3116.8	2686.5	2658.2	2847.9	2921.5	2612.9
55°	2378.0	2338.3	2513.8	2638.4	2774.3	3334.8	3111.2	3020.6	3193.2	3181.9	2777.1
57.5°	1806.1	1820.3	2018.4	2213.8	2547.8	3377.3	3425.4	3414.1	3493.3	3397.1	2907.3
60°	1234.3	1242.8	1523.0	1743.8	2089.2	3153.6	3527.3	3739.6	3731.1	3578.2	3054.5
62.5°	775.7	772.8	985.2	1333.4	1503.2	2567.6	3487.7	3985.9	3954.8	3714.1	3167.8
65°	447.3	458.6	535.0	883.2	1044.6	1752.3	3258.4	4226.5	4138.8	3835.9	3289.5
67.5°	274.6	283.1	319.9	478.4	682.2	968.2	2771.4	4286.0	4291.6	3934.9	3354.6
70°	232.1	235.0	251.9	294.4	475.6	543.5	1865.6	4008.5	4172.7	3957.6	3334.8
72.5°	195.3	198.2	223.6	257.6	353.9	385.0	837.9	3312.1	3623.5	3784.9	3190.4
75°	144.4	147.2	184.0	235.0	257.6	308.6	458.6	2193.9	2488.4	2992.3	2720.5
77.5°	93.4	96.3	130.2	189.7	218.0	243.5	370.8	1024.8	1296.5	1729.7	1718.4
80°	62.3	62.3	76.4	133.1	172.7	198.2	322.7	506.7	577.5	713.4	668.1
82.5°	39.6	39.6	48.1	82.1	110.4	198.2	302.9	362.4	351.0	356.7	317.1
85°	17.0	17.0	25.5	45.3	59.4	130.2	271.8	311.4	297.2	297.2	283.1
87.5°	5.7	5.7	8.5	14.2	19.8	39.6	209.5	249.1	240.6	249.1	268.9
90°	5.7	5.7	2.8	5.7	5.7	28.3	169.9	246.3	240.6	251.9	277.4
92.5°	8.5	8.5	2.8	2.8	5.7	22.6	133.1	254.8	246.3	263.3	288.8
95°	14.2	14.2	5.7	2.8	8.5	19.8	82.1	226.5	246.3	260.4	294.4
97.5°	17.0	17.0	5.7	5.7	8.5	17.0	42.5	184.0	189.7	198.2	232.1
100°	22.6	22.6	5.7	5.7	5.7	14.2	22.6	96.3	99.1	70.8	113.2
102.5°	22.6	22.6	5.7	5.7	5.7	8.5	11.3	42.5	39.6	14.2	14.2
105°	25.5	25.5	8.5	5.7	5.7	5.7	5.7	14.2	14.2	8.5	17.0
107.5°	25.5	25.5	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	17.0



REPORT NUMBER: P561045
 CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	14.2	14.2	5.7	8.5	5.7	2.8	2.8	2.8	5.7	11.3	28.3
115°	5.7	5.7	2.8	5.7	2.8	2.8	2.8	5.7	5.7	8.5	22.6
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	2.8	8.5	19.8
120°	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	11.3	19.8
122.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	11.3	19.8
125°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	8.5	17.0
127.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.7	17.0
130°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.7	11.3
132.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.7	8.5
135°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.7
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	5.7	5.7	2.8	0.0	5.7	2.8	2.8	2.8	2.8
152.5°	5.7	5.7	5.7	5.7	2.8	0.0	2.8	5.7	2.8	2.8	2.8
155°	5.7	5.7	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.7	8.5
157.5°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	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: P561045

CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	809.6	809.6	806.8	806.8	798.3	795.5	758.7	719.0	687.9	690.7	690.7
5°	801.1	795.5	787.0	730.4	659.6	648.3	648.3	642.6	639.8	642.6	642.6
7.5°	699.2	693.6	659.6	631.3	634.1	628.5	617.1	614.3	566.2	518.1	515.2
10°	603.0	594.5	503.9	484.1	481.3	501.1	549.2	532.2	515.2	495.4	503.9
12.5°	503.9	501.1	419.0	464.3	404.8	416.1	427.5	410.5	351.0	283.1	291.6
15°	583.2	574.7	475.6	385.0	345.4	348.2	229.3	220.8	178.3	161.4	152.9
17.5°	433.1	475.6	416.1	385.0	348.2	181.2	147.2	113.2	101.9	82.1	84.9
20°	580.3	569.0	475.6	359.5	268.9	152.9	82.1	65.1	79.3	82.1	82.1
22.5°	410.5	399.2	402.0	382.2	189.7	87.8	62.3	65.1	59.4	56.6	56.6
25°	603.0	583.2	486.9	291.6	141.5	56.6	59.4	45.3	53.8	53.8	53.8
27.5°	733.2	665.3	512.4	283.1	79.3	56.6	42.5	45.3	36.8	36.8	36.8
30°	877.6	837.9	670.9	263.3	62.3	45.3	39.6	31.1	34.0	34.0	34.0
32.5°	942.7	888.9	670.9	209.5	53.8	42.5	31.1	28.3	28.3	31.1	31.1
35°	1036.1	979.5	668.1	138.7	45.3	34.0	25.5	25.5	25.5	25.5	25.5
37.5°	1177.7	1095.6	679.4	87.8	36.8	28.3	19.8	22.6	22.6	48.1	48.1
40°	1336.2	1242.8	648.3	62.3	31.1	22.6	17.0	28.3	39.6	42.5	42.5
42.5°	1537.2	1435.3	603.0	53.8	28.3	17.0	14.2	22.6	34.0	53.8	53.8
45°	1777.8	1624.9	540.7	48.1	22.6	14.2	14.2	28.3	42.5	51.0	51.0
47.5°	1992.9	1808.9	433.1	45.3	19.8	11.3	19.8	31.1	36.8	59.4	59.4
50°	2244.9	2001.4	331.2	39.6	17.0	11.3	31.1	34.0	42.5	53.8	53.8
52.5°	2431.7	2162.8	251.9	36.8	17.0	8.5	31.1	31.1	48.1	62.3	62.3
55°	2581.8	2250.6	181.2	31.1	14.2	8.5	36.8	39.6	42.5	48.1	48.1
57.5°	2697.8	2312.8	141.5	28.3	14.2	19.8	45.3	51.0	45.3	48.1	48.1
60°	2830.9	2344.0	104.7	25.5	11.3	19.8	53.8	67.9	51.0	73.6	70.8
62.5°	2952.6	2366.6	84.9	25.5	11.3	22.6	59.4	84.9	67.9	99.1	101.9
65°	3105.5	2394.9	70.8	19.8	11.3	31.1	70.8	113.2	90.6	130.2	135.9
67.5°	3207.4	2411.9	59.4	19.8	11.3	36.8	99.1	147.2	113.2	164.2	169.9
70°	3218.7	2349.6	48.1	19.8	11.3	56.6	135.9	178.3	141.5	209.5	212.3
72.5°	3071.5	2171.3	39.6	22.6	11.3	62.3	158.5	206.7	167.0	277.4	280.3
75°	2482.7	1523.0	36.8	22.6	11.3	79.3	172.7	226.5	186.8	288.8	294.4
77.5°	1525.9	704.9	34.0	25.5	17.0	87.8	175.5	240.6	195.3	288.8	297.2
80°	591.7	348.2	31.1	28.3	39.6	99.1	189.7	243.5	195.3	268.9	280.3
82.5°	274.6	203.8	31.1	31.1	51.0	101.9	186.8	226.5	181.2	240.6	237.8
85°	246.3	201.0	34.0	34.0	53.8	87.8	147.2	192.5	155.7	189.7	189.7
87.5°	240.6	198.2	36.8	42.5	53.8	51.0	113.2	164.2	133.1	141.5	141.5
90°	246.3	206.7	39.6	48.1	45.3	28.3	90.6	135.9	101.9	90.6	87.8
92.5°	263.3	209.5	48.1	56.6	42.5	22.6	76.4	110.4	73.6	59.4	56.6
95°	277.4	215.1	59.4	67.9	45.3	19.8	67.9	87.8	53.8	36.8	34.0
97.5°	232.1	167.0	67.9	73.6	45.3	19.8	59.4	70.8	42.5	19.8	19.8
100°	99.1	73.6	70.8	79.3	42.5	17.0	51.0	56.6	28.3	8.5	11.3
102.5°	19.8	22.6	62.3	73.6	34.0	11.3	34.0	34.0	19.8	2.8	5.7
105°	19.8	17.0	39.6	62.3	19.8	5.7	14.2	19.8	8.5	2.8	2.8
107.5°	19.8	19.8	14.2	31.1	8.5	5.7	5.7	8.5	5.7	2.8	2.8



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 CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	25.5	5.7	8.5	8.5	5.7	2.8	2.8	5.7	19.8	22.6
115°	25.5	22.6	8.5	8.5	5.7	5.7	2.8	2.8	5.7	22.6	25.5
117.5°	19.8	19.8	8.5	5.7	5.7	5.7	2.8	2.8	5.7	22.6	22.6
120°	22.6	19.8	8.5	5.7	2.8	2.8	2.8	2.8	5.7	17.0	17.0
122.5°	22.6	19.8	8.5	5.7	2.8	2.8	2.8	2.8	5.7	17.0	19.8
125°	19.8	17.0	8.5	5.7	2.8	2.8	2.8	2.8	8.5	17.0	17.0
127.5°	17.0	14.2	5.7	2.8	2.8	2.8	2.8	2.8	8.5	14.2	14.2
130°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	2.8	8.5	11.3	11.3
132.5°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	5.7	11.3	11.3
135°	8.5	5.7	5.7	2.8	2.8	2.8	2.8	2.8	5.7	8.5	8.5
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	2.8	2.8	5.7	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
155°	8.5	8.5	8.5	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.8	2.8	2.8	2.8	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

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110° | 19.8 19.8 8.5 8.5 5.7 2.8 2.8 2.8 5.7 8.5 19.8

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110°	22.6	19.8	5.7	8.5	5.7	5.7	5.7	5.7	2.8	14.2	17.0
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