

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: P561044

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7416 lumens
Efficiency: N/A
Efficacy: 90.4 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: B2 - U3 - G2

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

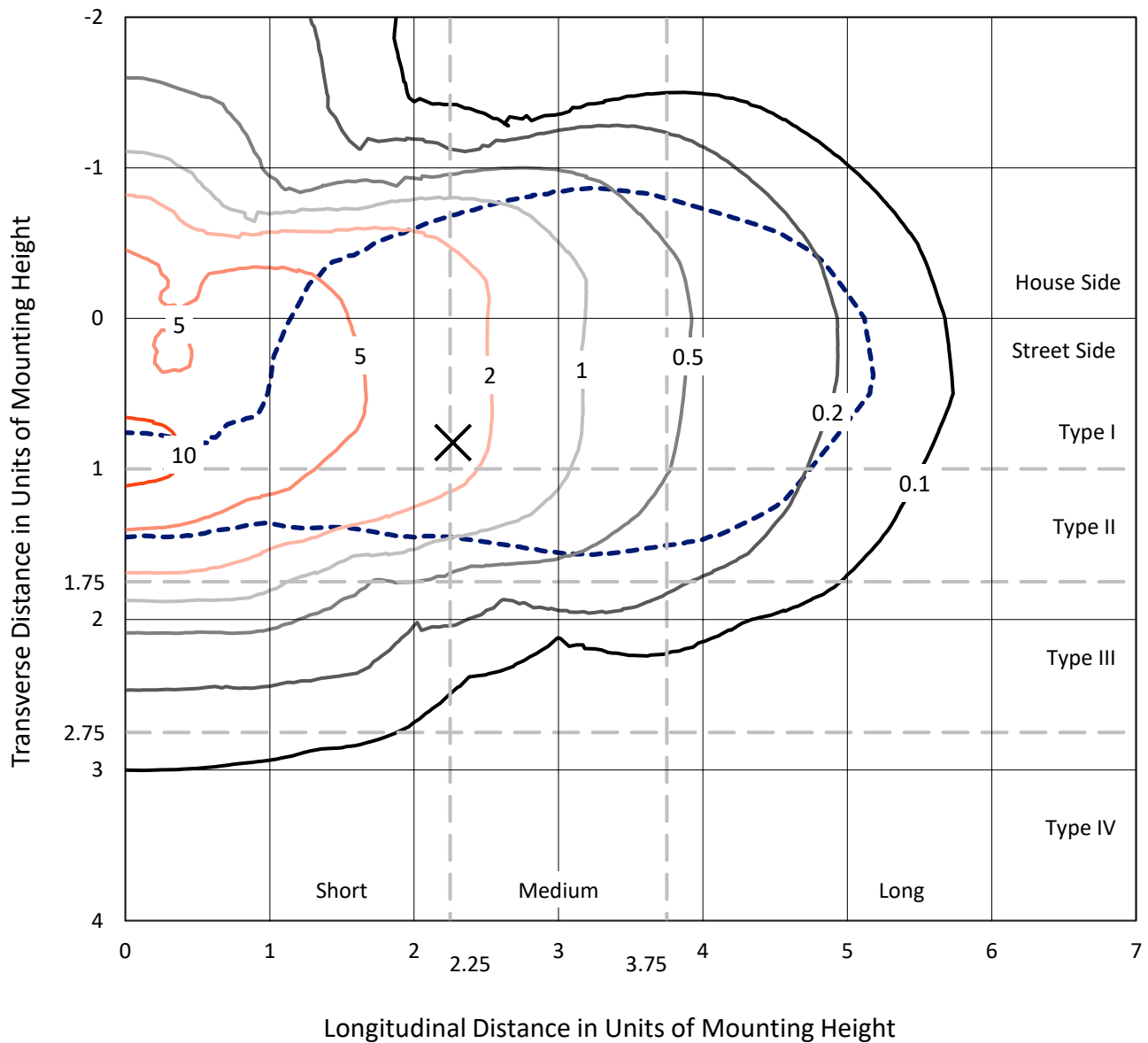


REPORT NUMBER: P561044

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

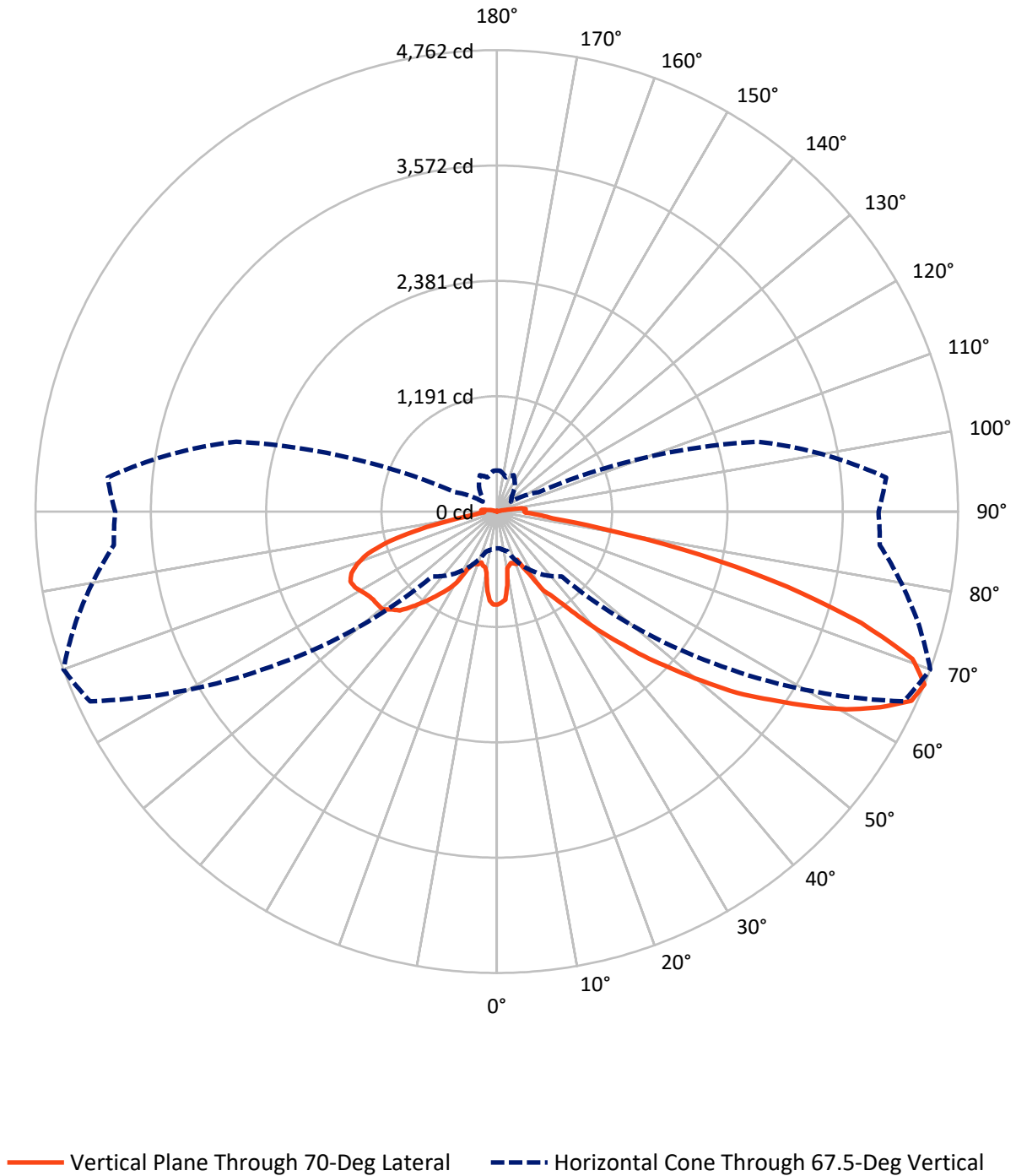


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P561044

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

Luminous Intensity Polar Plot



REPORT NUMBER: P561044

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

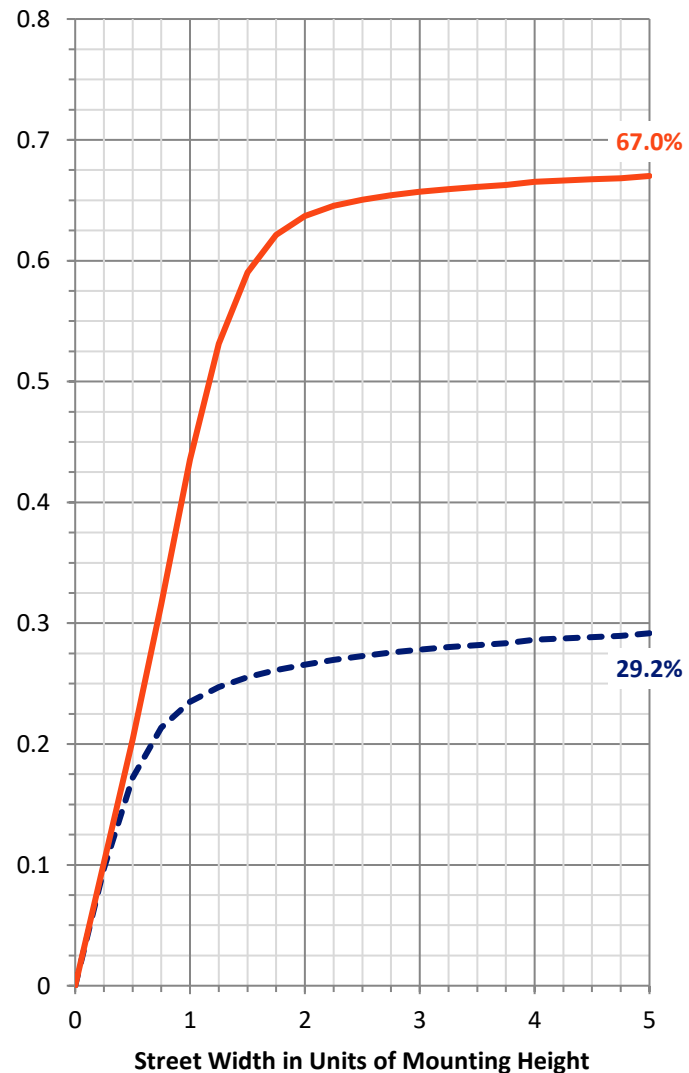
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2230.5	87.5	2318.0
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5013.4	84.5	5098.0
	% Fixture	67.6	1.1	68.7
Total	Lumens	7243.9	172.0	7416.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.0
10°-20°	177.9	2.4
20°-30°	315.6	4.3
30°-40°	665.1	9.0
40°-50°	1243.4	16.8
50°-60°	1722.0	23.2
60°-70°	1660.5	22.4
70°-80°	1091.6	14.7
80°-90°	290.9	3.9
90°-100°	119.3	1.6
100°-110°	26.1	0.4
110°-120°	11.3	0.2
120°-130°	8.1	0.1
130°-140°	3.7	0.0
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7243.9	97.7
0°-180°	7416.0	100.0



REPORT NUMBER: P561044

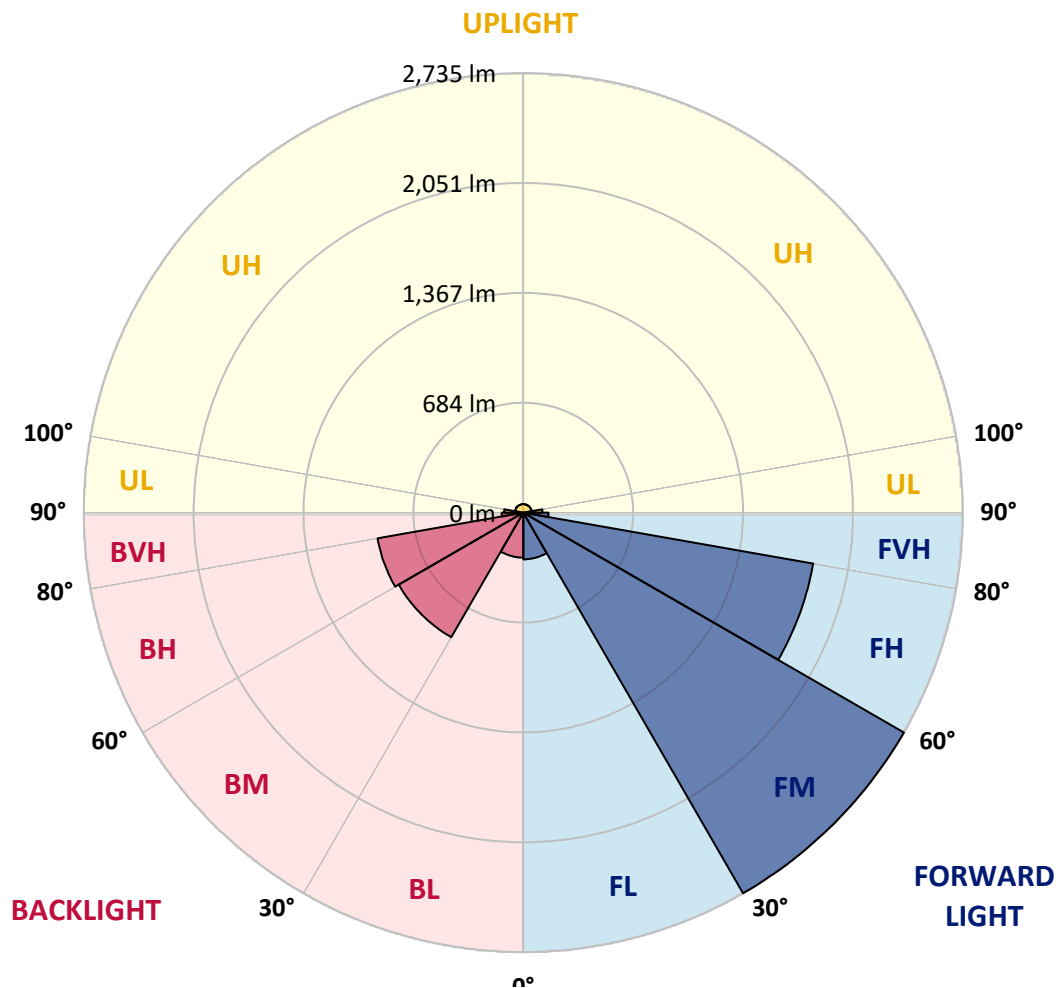
CATALOG NUMBER: SDL-PA1-80-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.6	3.9			
FM	(30°-60°)	2734.9	36.9			
FH	(60°-80°)	1831.3	24.7			G2/5000
FVH	(80°-90°)	156.5	2.1			G2/225
BL	(0°-30°)	279.8	3.8	B1/500		
BM	(30°-60°)	895.5	12.1	B1/1000		
BH	(60°-80°)	920.8	12.4	B2/1000		G2/1000
BVH	(80°-90°)	134.4	1.8			G2/225
UL	(90°-100°)	119.3	1.6		U3/500	
UH	(100°-180°)	52.7	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





REPORT NUMBER: P561044

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8
2.5°	801.2	866.3	846.5	908.8	923.0	937.1	939.9	942.8	939.9	942.8	948.4
5°	755.9	758.7	761.6	767.2	767.2	772.9	784.2	903.1	914.5	923.0	934.3
7.5°	631.3	659.7	713.4	733.3	741.8	753.1	758.7	758.7	770.1	798.4	818.2
10°	702.1	696.5	699.3	702.1	662.5	654.0	594.5	586.0	594.5	614.4	707.8
12.5°	588.9	617.2	676.6	690.8	642.7	569.1	560.6	571.9	569.1	512.4	600.2
15°	682.3	679.5	673.8	662.5	537.9	563.4	484.1	489.8	549.2	588.9	671.0
17.5°	594.5	591.7	671.0	648.3	566.2	438.8	552.1	512.4	560.6	518.1	554.9
20°	738.9	736.1	727.6	540.7	577.6	583.2	535.1	495.4	577.6	597.4	673.8
22.5°	671.0	671.0	724.8	710.6	586.0	617.2	509.6	603.0	540.7	549.2	509.6
25°	923.0	914.5	903.1	659.7	705.0	566.2	631.3	554.9	645.5	699.3	733.3
27.5°	894.6	877.7	866.3	874.8	707.8	741.8	625.7	690.8	744.6	767.2	855.0
30°	1257.0	1234.4	1200.4	917.3	880.5	758.7	755.9	855.0	942.8	1013.5	1061.7
32.5°	1602.4	1608.1	1432.6	1231.5	973.9	1013.5	900.3	1002.2	1030.5	1104.1	1132.5
35°	2055.4	1998.8	1888.4	1537.3	1186.2	1146.6	1047.5	1143.8	1172.1	1242.9	1259.9
37.5°	2412.1	2415.0	2245.1	1848.7	1421.2	1387.3	1214.6	1313.6	1364.6	1443.9	1415.6
40°	2754.7	2768.9	2633.0	2168.6	1718.5	1625.1	1415.6	1531.6	1602.4	1650.6	1602.4
42.5°	3060.5	3057.6	2964.2	2522.5	1996.0	1942.2	1627.9	1778.0	1840.2	1885.5	1848.7
45°	3301.1	3292.6	3207.7	2811.3	2324.4	2398.0	1905.4	2061.1	2126.2	2177.1	2086.5
47.5°	3383.2	3337.9	3301.1	3020.8	2630.1	2800.0	2247.9	2335.7	2412.1	2499.9	2352.7
50°	3295.4	3236.0	3250.1	3119.9	2887.8	3136.9	2616.0	2652.8	2746.2	2822.6	2604.6
52.5°	2930.2	2916.1	2995.3	3020.8	2998.2	3394.5	3029.3	2924.6	3108.6	3117.1	2865.1
55°	2448.9	2431.9	2618.8	2723.6	2893.4	3496.5	3380.4	3306.8	3425.7	3411.5	3097.3
57.5°	1973.3	1962.0	2131.8	2304.5	2599.0	3439.8	3626.7	3725.8	3785.2	3706.0	3312.4
60°	1322.1	1344.8	1636.4	1868.5	2126.2	3100.1	3720.1	4116.5	4144.8	3974.9	3538.9
62.5°	843.7	874.8	1061.7	1441.0	1588.3	2516.9	3652.2	4464.7	4447.7	4218.4	3748.4
65°	540.7	552.1	642.7	976.7	1138.1	1667.5	3349.2	4702.5	4705.3	4436.4	3915.5
67.5°	379.4	382.2	424.7	608.7	787.1	948.4	2723.6	4634.6	4762.0	4510.0	3969.3
70°	339.7	342.6	353.9	413.3	597.4	588.9	1650.6	4142.0	4552.5	4413.7	3887.1
72.5°	302.9	305.8	325.6	359.6	458.6	461.5	789.9	3298.3	3935.3	4071.2	3643.7
75°	252.0	257.6	280.3	336.9	353.9	387.9	529.4	2318.7	3097.3	3507.8	3354.9
77.5°	212.3	215.2	232.2	285.9	308.6	314.3	453.0	1285.3	2140.3	2582.0	2955.7
80°	169.9	169.9	184.0	226.5	254.8	257.6	404.9	679.5	1186.2	1562.8	2055.4
82.5°	110.4	113.2	130.2	169.9	189.7	254.8	359.6	495.4	580.4	753.1	934.3
85°	70.8	70.8	82.1	96.3	113.2	195.3	317.1	410.5	433.2	472.8	424.7
87.5°	34.0	34.0	31.1	36.8	42.5	73.6	220.8	291.6	294.4	288.8	311.4
90°	28.3	28.3	22.6	25.5	28.3	39.6	167.0	285.9	283.1	294.4	322.7
92.5°	31.1	31.1	22.6	25.5	28.3	34.0	121.7	288.8	297.3	311.4	342.6
95°	34.0	34.0	22.6	22.6	25.5	31.1	76.4	249.1	300.1	314.3	353.9
97.5°	31.1	31.1	17.0	19.8	22.6	28.3	48.1	186.9	235.0	246.3	280.3
100°	28.3	28.3	14.2	17.0	19.8	22.6	31.1	96.3	101.9	76.4	107.6
102.5°	25.5	28.3	11.3	14.2	14.2	14.2	19.8	45.3	45.3	25.5	28.3
105°	25.5	28.3	11.3	11.3	8.5	11.3	11.3	17.0	19.8	14.2	22.6
107.5°	28.3	28.3	11.3	11.3	8.5	8.5	8.5	11.3	14.2	11.3	22.6



REPORT NUMBER: P561044

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	17.0	17.0	8.5	11.3	5.7	5.7	5.7	8.5	11.3	14.2	31.1
115°	14.2	11.3	5.7	8.5	5.7	5.7	5.7	8.5	8.5	11.3	25.5
117.5°	14.2	11.3	5.7	5.7	2.8	5.7	5.7	8.5	8.5	11.3	22.6
120°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	5.7	8.5	14.2	25.5
122.5°	17.0	14.2	5.7	5.7	2.8	2.8	2.8	5.7	8.5	14.2	25.5
125°	17.0	17.0	8.5	5.7	2.8	2.8	2.8	5.7	8.5	11.3	22.6
127.5°	17.0	14.2	8.5	5.7	2.8	2.8	2.8	2.8	5.7	8.5	19.8
130°	14.2	14.2	8.5	2.8	2.8	2.8	2.8	2.8	5.7	5.7	14.2
132.5°	11.3	11.3	8.5	2.8	2.8	2.8	2.8	2.8	2.8	5.7	11.3
135°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.5
137.5°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8
150°	5.7	5.7	11.3	8.5	5.7	2.8	5.7	2.8	2.8	2.8	2.8
152.5°	8.5	8.5	11.3	8.5	2.8	2.8	2.8	5.7	2.8	2.8	2.8
155°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	5.7	5.7	8.5
157.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	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 NUMBER: P561044

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8	959.8
2.5°	951.3	951.3	959.8	962.6	959.8	956.9	939.9	889.0	857.8	860.7	860.7
5°	937.1	939.9	948.4	897.5	835.2	840.8	849.3	852.2	852.2	857.8	857.8
7.5°	826.7	829.5	806.9	815.4	835.2	849.3	855.0	840.8	795.5	778.6	778.6
10°	716.3	716.3	637.0	639.8	662.5	705.0	838.0	852.2	866.3	869.2	866.3
12.5°	605.9	608.7	543.6	625.7	597.4	673.8	772.9	855.0	789.9	724.8	733.3
15°	676.6	682.3	611.5	537.9	552.1	665.3	577.6	792.7	798.4	798.4	798.4
17.5°	543.6	574.7	540.7	554.9	611.5	501.1	654.0	724.8	665.3	648.3	648.3
20°	676.6	676.6	617.2	535.1	566.2	651.2	580.4	645.5	758.7	758.7	755.9
22.5°	503.9	503.9	540.7	620.0	569.1	642.7	614.4	668.1	603.0	603.0	620.0
25°	727.6	719.1	656.8	549.2	648.3	594.5	617.2	583.2	682.3	690.8	685.1
27.5°	877.7	872.0	705.0	631.3	608.7	634.2	554.9	543.6	523.8	603.0	594.5
30°	1039.0	1024.9	923.0	761.6	668.1	535.1	501.1	520.9	577.6	580.4	577.6
32.5°	1115.5	1084.3	971.1	911.6	682.3	552.1	450.2	464.3	574.7	608.7	608.7
35°	1220.2	1186.2	1058.8	993.7	679.5	487.0	399.2	450.2	518.1	520.9	520.9
37.5°	1364.6	1313.6	1206.1	1041.9	634.2	430.3	368.0	399.2	447.3	461.5	467.1
40°	1531.6	1466.5	1370.3	1073.0	569.1	362.4	328.4	368.0	404.9	393.5	393.5
42.5°	1766.6	1670.4	1531.6	1121.1	487.0	319.9	300.1	336.9	362.4	368.0	365.2
45°	1987.5	1868.5	1721.3	1138.1	396.4	288.8	280.3	319.9	345.4	336.9	336.9
47.5°	2236.6	2086.5	1862.9	1098.5	325.6	271.8	280.3	308.6	319.9	334.1	334.1
50°	2482.9	2321.5	2069.6	1036.2	288.8	260.5	280.3	297.3	319.9	328.4	325.6
52.5°	2706.6	2565.0	2194.1	925.8	269.0	252.0	271.8	297.3	325.6	339.7	339.7
55°	2950.0	2805.7	2307.4	826.7	252.0	235.0	280.3	308.6	317.1	325.6	325.6
57.5°	3134.1	3020.8	2431.9	738.9	240.6	235.0	285.9	322.7	319.9	328.4	328.4
60°	3357.7	3258.6	2545.2	696.5	223.7	223.7	297.3	348.2	325.6	351.1	351.1
62.5°	3595.5	3536.1	2655.6	665.3	206.7	218.0	300.1	368.0	336.9	376.5	379.4
65°	3824.9	3836.2	2757.5	591.7	192.5	218.0	305.8	393.5	348.2	399.2	404.9
67.5°	3940.9	4034.4	2785.8	475.6	178.4	215.2	322.7	413.3	365.2	421.8	424.7
70°	3918.3	4040.0	2720.7	351.1	167.0	226.5	348.2	430.3	373.7	450.2	450.2
72.5°	3720.1	3807.9	2528.2	266.1	155.7	218.0	353.9	436.0	379.4	495.4	495.4
75°	3439.8	3349.2	2080.9	220.8	147.2	218.0	345.4	430.3	373.7	484.1	481.3
77.5°	2984.0	2681.1	1435.4	195.3	138.7	209.5	322.7	419.0	356.7	450.2	455.8
80°	1913.8	1650.6	733.3	169.9	147.2	201.0	311.4	387.9	331.2	402.0	404.9
82.5°	872.0	733.3	334.1	150.1	144.4	181.2	283.1	345.4	288.8	342.6	339.7
85°	368.0	373.7	263.3	127.4	127.4	141.6	209.5	269.0	223.7	240.6	235.0
87.5°	285.9	274.6	181.2	76.4	82.1	62.3	135.9	192.5	147.2	155.7	152.9
90°	302.9	297.3	192.5	79.3	59.5	36.8	101.9	150.1	110.4	99.1	96.3
92.5°	322.7	319.9	215.2	84.9	59.5	31.1	87.8	121.7	79.3	67.9	65.1
95°	345.4	345.4	235.0	90.6	59.5	31.1	79.3	93.4	59.5	45.3	42.5
97.5°	274.6	280.3	201.0	93.4	56.6	31.1	70.8	76.4	45.3	25.5	25.5
100°	110.4	121.7	110.4	93.4	51.0	25.5	56.6	59.5	31.1	14.2	14.2
102.5°	25.5	31.1	76.4	82.1	39.6	17.0	36.8	36.8	19.8	8.5	8.5
105°	25.5	22.6	51.0	65.1	22.6	11.3	17.0	22.6	11.3	5.7	5.7
107.5°	25.5	25.5	22.6	31.1	11.3	8.5	8.5	8.5	5.7	5.7	5.7



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.0	31.1	14.2	11.3	8.5	8.5	5.7	5.7	8.5	28.3	28.3
115°	28.3	25.5	14.2	8.5	8.5	8.5	5.7	2.8	8.5	31.1	31.1
117.5°	25.5	22.6	14.2	8.5	5.7	8.5	5.7	2.8	8.5	31.1	31.1
120°	28.3	25.5	14.2	8.5	5.7	5.7	5.7	2.8	8.5	28.3	28.3
122.5°	28.3	28.3	17.0	5.7	5.7	2.8	5.7	2.8	8.5	25.5	25.5
125°	25.5	22.6	14.2	5.7	2.8	2.8	2.8	2.8	11.3	22.6	25.5
127.5°	22.6	19.8	11.3	5.7	2.8	2.8	2.8	2.8	8.5	17.0	19.8
130°	17.0	17.0	8.5	5.7	2.8	2.8	2.8	2.8	8.5	17.0	14.2
132.5°	11.3	11.3	8.5	5.7	2.8	2.8	2.8	2.8	8.5	11.3	11.3
135°	8.5	8.5	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	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	5.7	2.8	2.8	5.7	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	8.5	8.5	5.7
155°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	5.7	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	2.8	0.0
160°	0.0	0.0	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°	25.5	25.5	8.5	11.3	5.7	5.7	5.7	8.5	11.3	25.5
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110°	28.3	25.5	11.3	11.3	8.5	8.5	5.7	5.7	2.8	17.0	19.8
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(END OF REPORT)