

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: P559842

Luminaire Tested: **SDL-PA1-100-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8668.9 lumens
Efficiency: N/A
Efficacy: 92.4 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: B2 - U3 - G3

Input Watts (W): 93.8
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

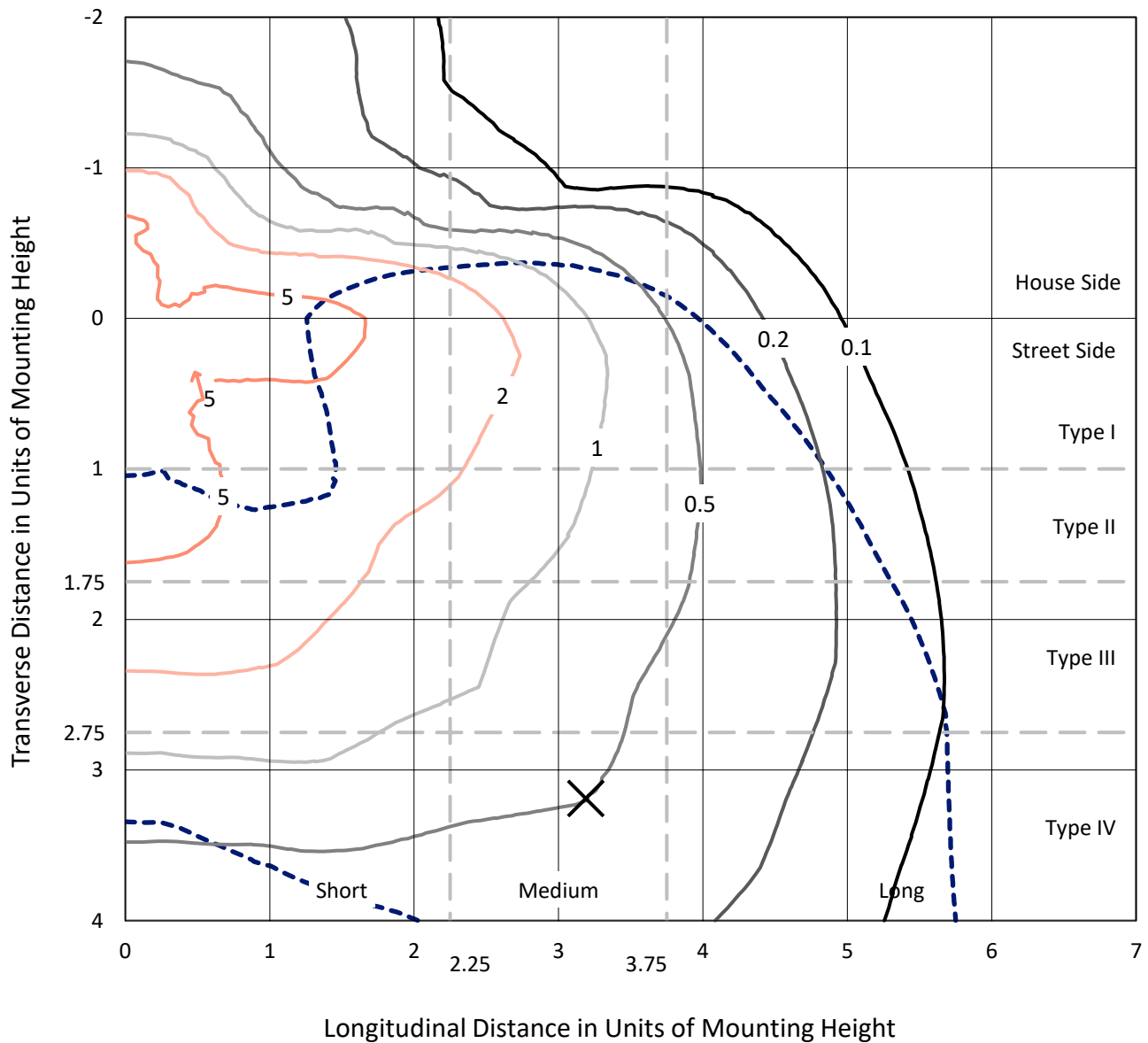


REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

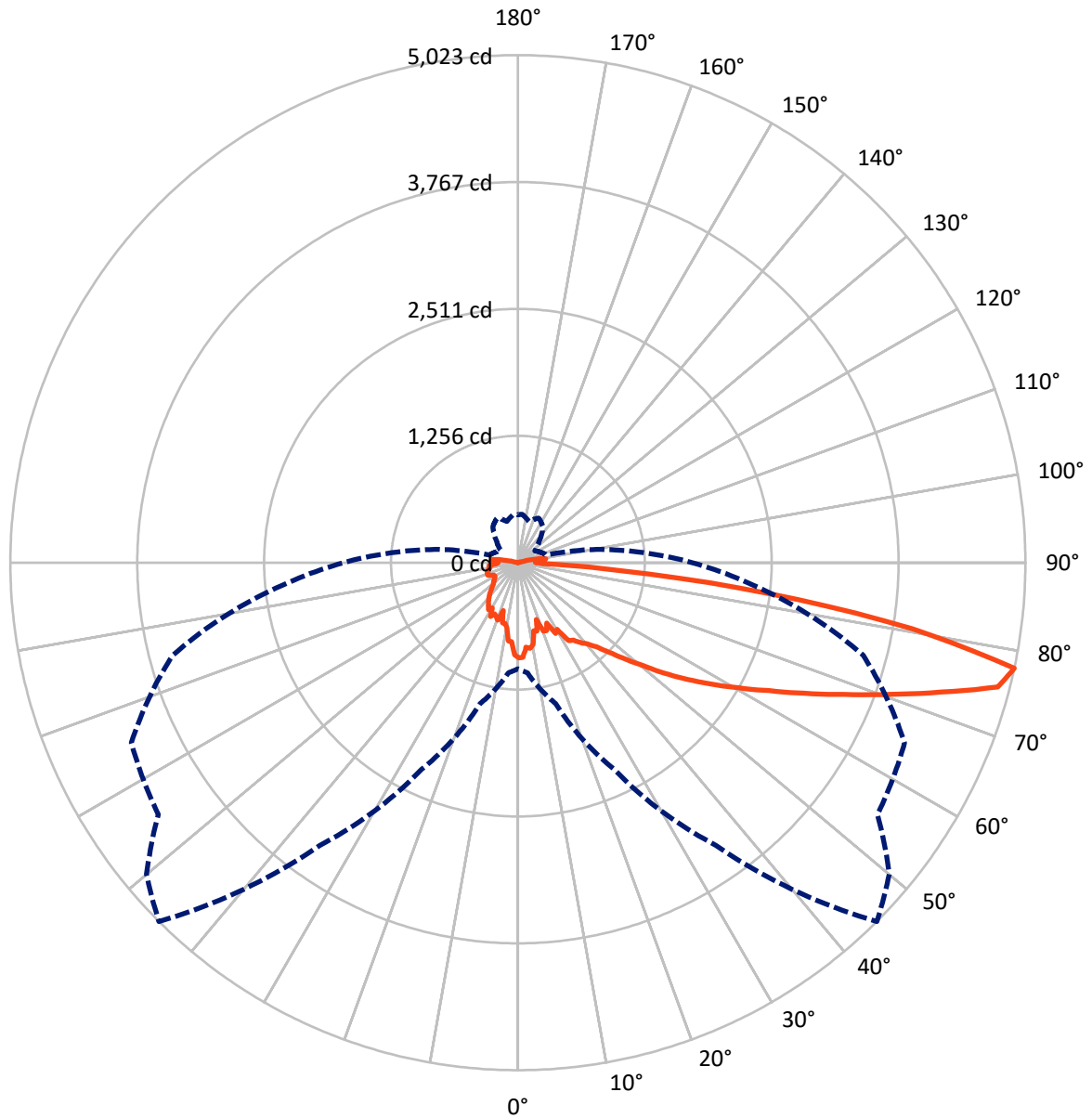


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type IV - Medium - N/A

REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

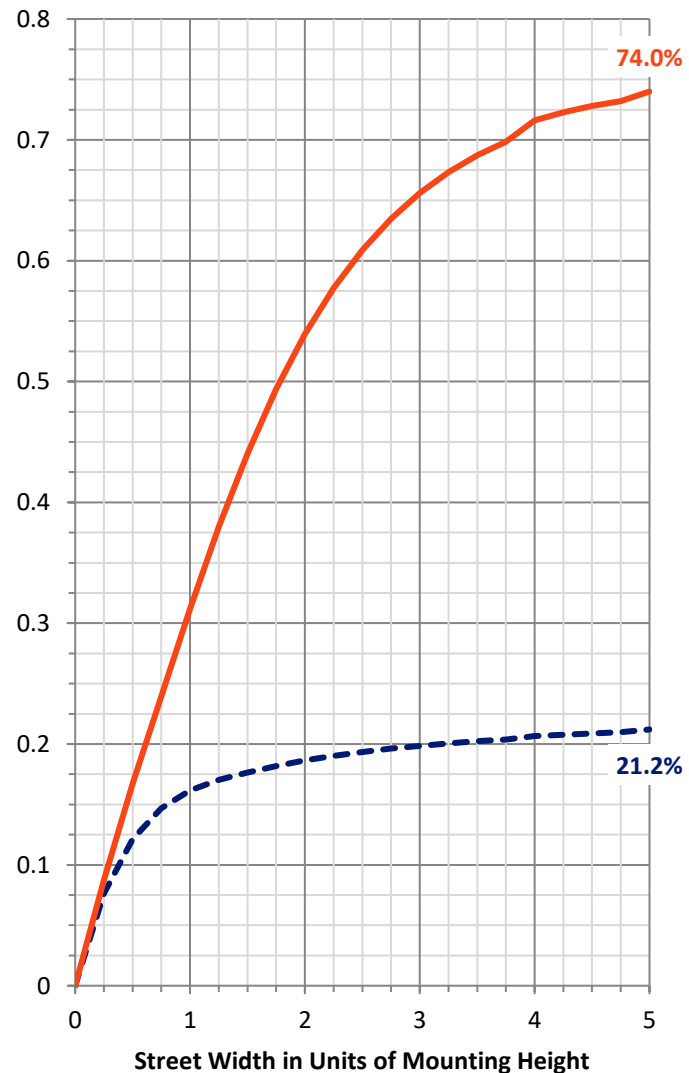
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1940.3	144.7	2085.0
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	6466.9	117.1	6583.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	8407.2	261.8	8668.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	0.9
10°-20°	193.8	2.2
20°-30°	335.3	3.9
30°-40°	594.0	6.9
40°-50°	920.9	10.6
50°-60°	1482.5	17.1
60°-70°	2180.1	25.1
70°-80°	2099.0	24.2
80°-90°	523.4	6.0
90°-100°	195.2	2.3
100°-110°	43.2	0.5
110°-120°	9.3	0.1
120°-130°	7.7	0.1
130°-140°	3.3	0.0
140°-150°	1.4	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8407.2	97.0
0°-180°	8668.9	100.0



REPORT NUMBER: P559842

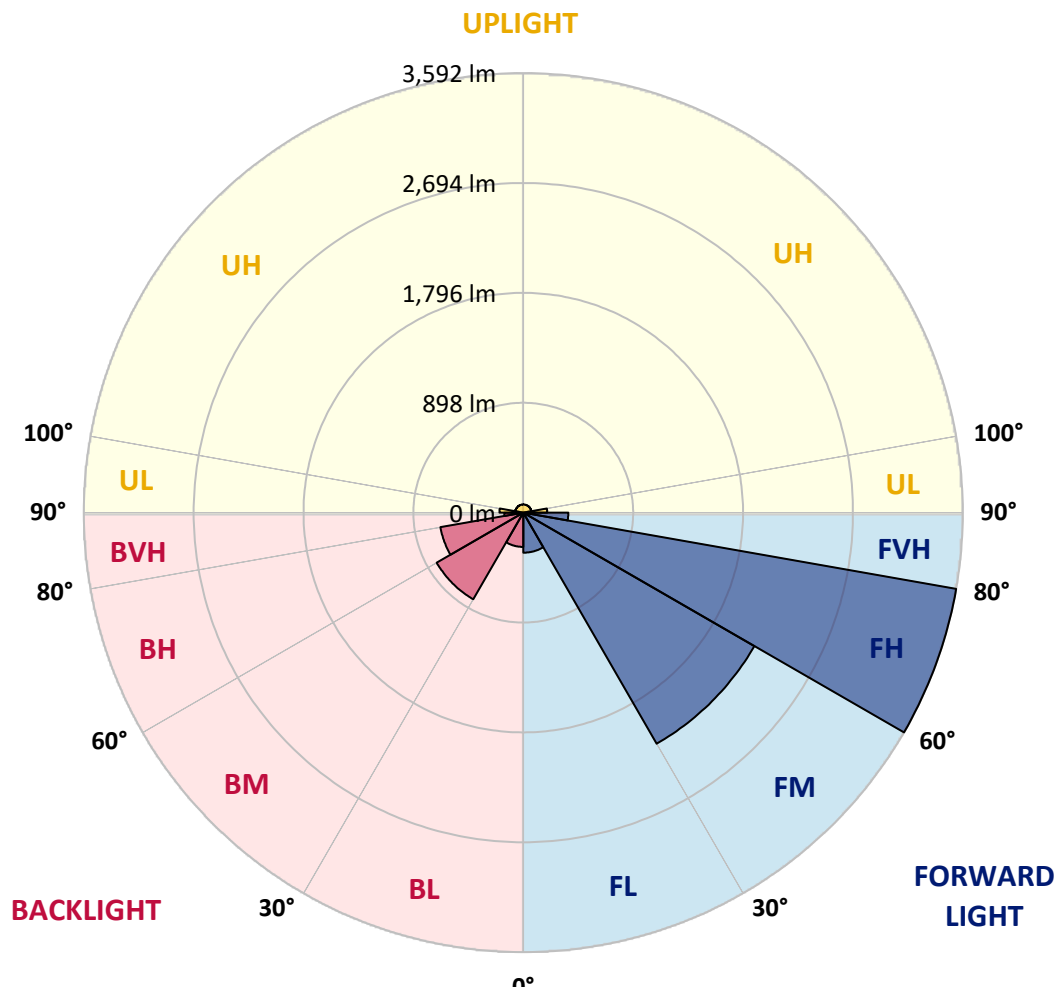
CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.2	3.8			
FM	(30°-60°)	2180.4	25.2			
FH	(60°-80°)	3591.6	41.4			G2/5000
FVH	(80°-90°)	367.7	4.2			G3/500
BL	(0°-30°)	280.1	3.2	B1/500		
BM	(30°-60°)	817.0	9.4	B1/1000		
BH	(60°-80°)	687.5	7.9	B2/1000		G2/1000
BVH	(80°-90°)	155.8	1.8			G2/225
UL	(90°-100°)	195.2	2.3		U3/500	
UH	(100°-180°)	66.6	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1
2.5°	855.9	937.7	924.1	934.3	934.3	937.7	941.1	941.1	944.5	941.1	941.1
5°	872.9	869.5	862.7	855.9	849.0	838.8	838.8	838.8	920.7	927.5	920.7
7.5°	815.0	886.6	879.7	866.1	866.1	855.9	842.2	828.6	804.7	797.9	808.1
10°	920.7	917.2	907.0	886.6	811.5	825.2	739.9	668.3	641.0	658.1	702.4
12.5°	818.4	876.3	900.2	900.2	804.7	692.2	617.2	658.1	634.2	566.0	617.2
15°	965.0	958.2	930.9	886.6	705.8	702.4	661.5	579.7	589.9	641.0	688.8
17.5°	825.2	825.2	924.1	845.6	726.3	589.9	586.5	651.3	596.7	569.4	596.7
20°	995.7	992.3	961.6	702.4	733.1	722.9	596.7	664.9	569.4	654.7	716.1
22.5°	845.6	838.8	886.6	842.2	699.0	729.7	559.2	630.8	678.6	600.1	555.8
25°	995.7	1002.5	988.9	750.2	794.5	661.5	675.1	719.5	624.0	760.4	791.1
27.5°	876.3	876.3	838.8	838.8	736.5	794.5	634.2	675.1	743.3	821.8	965.0
30°	1074.1	1077.5	1053.6	808.1	815.0	763.8	736.5	784.3	893.4	1067.3	1132.1
32.5°	1312.8	1312.8	1128.7	965.0	818.4	920.7	777.4	855.9	1012.7	1101.4	1186.6
35°	1462.8	1445.8	1363.9	1084.3	883.1	941.1	879.7	910.4	1050.2	1179.8	1241.2
37.5°	1677.6	1670.8	1589.0	1190.0	947.9	1002.5	913.8	947.9	1118.4	1237.8	1309.4
40°	1974.3	1940.2	1868.6	1374.2	1026.4	1057.0	954.8	995.7	1200.3	1312.8	1398.0
42.5°	2209.6	2216.4	2165.2	1592.4	1155.9	1135.5	1026.4	1057.0	1288.9	1428.7	1524.2
45°	2427.8	2421.0	2431.2	1854.9	1316.2	1261.6	1152.5	1155.9	1401.4	1571.9	1701.5
47.5°	2577.8	2574.4	2598.3	2100.5	1520.8	1421.9	1292.3	1278.7	1531.0	1817.4	1943.6
50°	2758.6	2748.3	2734.7	2363.0	1752.7	1595.8	1476.5	1428.7	1698.1	2093.6	2250.5
52.5°	2980.2	2956.3	2912.0	2567.6	2008.4	1817.4	1684.5	1619.7	1923.1	2403.9	2605.1
55°	3191.6	3157.5	3120.0	2796.1	2243.7	2039.1	1895.9	1858.4	2216.4	2724.5	2983.6
57.5°	3399.6	3382.6	3351.9	3099.5	2543.7	2270.9	2110.7	2103.9	2557.4	3034.8	3389.4
60°	3594.0	3566.7	3607.6	3426.9	2823.3	2516.5	2346.0	2397.1	2932.5	3345.0	3839.5
62.5°	3713.3	3703.1	3791.7	3726.9	3082.5	2789.2	2615.3	2704.0	3293.9	3648.5	4238.4
65°	3536.0	3563.3	3914.5	3914.5	3382.6	3113.2	2942.7	2997.2	3634.9	3955.4	4603.3
67.5°	3212.1	3249.6	3726.9	4020.2	3651.9	3478.0	3300.7	3331.4	3938.4	4204.3	4899.9
70°	2935.9	2963.1	3406.4	4027.0	3822.4	3900.8	3645.1	3617.8	4173.6	4412.3	5009.0
72.5°	2693.8	2731.3	3096.1	3986.1	3989.5	4381.6	4054.3	3890.6	4388.5	4490.8	4661.2
75°	2134.6	2117.5	2530.1	3505.3	4044.1	4906.8	4535.1	4194.1	4494.2	4221.4	3655.3
77.5°	1050.2	1094.6	1442.4	2257.3	3413.2	5022.7	4797.6	4344.1	4221.4	3536.0	2281.2
80°	310.3	320.5	402.4	808.1	1960.7	3955.4	3962.2	3594.0	3174.6	2066.4	1029.8
82.5°	173.9	177.3	231.9	351.2	804.7	2506.2	2608.5	2158.4	1404.9	763.8	514.9
85°	92.1	95.5	119.3	184.1	409.2	999.1	1060.5	825.2	678.6	497.8	378.5
87.5°	44.3	44.3	40.9	61.4	150.0	242.1	269.4	306.9	272.8	255.7	313.7
90°	37.5	37.5	30.7	34.1	81.8	173.9	211.4	235.3	214.8	235.3	344.4
92.5°	40.9	40.9	30.7	34.1	88.7	194.4	231.9	262.6	228.5	252.3	381.9
95°	37.5	40.9	27.3	30.7	88.7	238.7	279.6	286.4	235.3	276.2	409.2
97.5°	30.7	30.7	20.5	23.9	78.4	279.6	306.9	296.7	208.0	211.4	327.3
100°	23.9	23.9	13.6	20.5	54.6	225.0	262.6	248.9	136.4	34.1	81.8
102.5°	20.5	20.5	10.2	17.0	23.9	109.1	139.8	136.4	81.8	20.5	17.0
105°	20.5	20.5	10.2	13.6	13.6	30.7	47.7	61.4	34.1	10.2	17.0
107.5°	20.5	20.5	10.2	6.8	6.8	13.6	17.0	17.0	17.0	10.2	20.5



REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	20.5	20.5	6.8	6.8	3.4	6.8	6.8	6.8	6.8	10.2	20.5
115°	17.0	17.0	3.4	6.8	3.4	3.4	6.8	3.4	6.8	6.8	17.0
117.5°	17.0	13.6	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	20.5
120°	17.0	17.0	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.6	23.9
122.5°	17.0	17.0	6.8	3.4	0.0	3.4	3.4	3.4	6.8	13.6	27.3
125°	20.5	17.0	6.8	3.4	0.0	0.0	3.4	3.4	3.4	13.6	23.9
127.5°	17.0	13.6	6.8	3.4	0.0	0.0	3.4	3.4	3.4	10.2	20.5
130°	17.0	13.6	6.8	0.0	0.0	0.0	3.4	3.4	3.4	10.2	17.0
132.5°	13.6	10.2	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.6
135°	10.2	10.2	3.4	0.0	3.4	0.0	3.4	3.4	3.4	3.4	10.2
137.5°	6.8	6.8	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	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°	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.2	10.2	10.2	6.8	3.4	3.4	3.4	6.8	3.4	3.4	3.4
152.5°	10.2	10.2	10.2	6.8	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	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: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1	941.1
2.5°	937.7	934.3	930.9	927.5	920.7	913.8	896.8	825.2	825.2	828.6	828.6
5°	920.7	917.2	907.0	842.2	804.7	784.3	791.1	791.1	791.1	794.5	801.3
7.5°	804.7	801.3	753.6	750.2	763.8	780.9	791.1	774.0	739.9	739.9	739.9
10°	702.4	699.0	613.8	596.7	613.8	654.7	760.4	780.9	794.5	797.9	804.7
12.5°	613.8	603.5	528.5	583.1	545.6	613.8	709.2	787.7	716.1	702.4	702.4
15°	682.0	678.6	589.9	511.5	514.9	613.8	562.6	739.9	780.9	787.7	791.1
17.5°	596.7	589.9	542.2	538.8	569.4	494.4	624.0	705.8	671.7	682.0	682.0
20°	712.7	709.2	620.6	514.9	508.1	603.5	552.4	641.0	763.8	787.7	791.1
22.5°	552.4	552.4	569.4	603.5	549.0	576.3	589.9	678.6	654.7	668.3	709.2
25°	784.3	777.4	688.8	542.2	589.9	555.8	617.2	644.5	757.0	784.3	791.1
27.5°	951.3	934.3	739.9	610.4	531.9	596.7	593.3	624.0	641.0	746.8	760.4
30°	1121.8	1104.8	951.3	685.4	552.4	514.9	566.0	668.3	770.6	787.7	801.3
32.5°	1183.2	1169.6	971.8	726.3	555.8	549.0	562.6	668.3	845.6	913.8	927.5
35°	1248.0	1230.9	992.3	709.2	542.2	511.5	531.9	688.8	842.2	886.6	896.8
37.5°	1326.4	1295.7	1016.1	675.1	504.7	484.2	508.1	627.4	801.3	845.6	852.5
40°	1425.3	1394.6	1046.8	637.6	467.1	450.1	463.7	583.1	702.4	739.9	757.0
42.5°	1575.3	1517.4	1060.5	607.0	433.0	416.0	429.6	525.1	617.2	641.0	651.3
45°	1769.7	1667.4	1080.9	566.0	402.4	378.5	399.0	480.8	525.1	525.1	525.1
47.5°	2008.4	1844.7	1091.1	531.9	364.9	344.4	364.9	436.5	460.3	446.7	443.3
50°	2301.6	2069.8	1142.3	491.0	334.2	317.1	351.2	385.3	395.5	402.4	402.4
52.5°	2646.0	2328.9	1173.0	450.1	313.7	303.5	337.6	361.4	364.9	371.7	371.7
55°	3021.1	2611.9	1190.0	412.6	300.1	286.4	323.9	347.8	347.8	354.6	354.6
57.5°	3409.8	2939.3	1234.4	385.3	286.4	272.8	310.3	351.2	337.6	351.2	354.6
60°	3819.0	3242.8	1196.9	358.0	266.0	262.6	313.7	375.1	371.7	388.7	392.1
62.5°	4204.3	3484.8	1029.8	334.2	252.3	266.0	351.2	422.8	412.6	439.9	439.9
65°	4422.6	3566.7	757.0	320.5	242.1	286.4	388.7	470.6	436.5	450.1	443.3
67.5°	4470.3	3484.8	545.6	303.5	238.7	320.5	416.0	480.8	433.0	446.7	446.7
70°	4357.8	3293.9	439.9	289.8	235.3	323.9	422.8	480.8	436.5	467.1	460.3
72.5°	3849.7	2802.9	375.1	276.2	235.3	317.1	433.0	484.2	446.7	497.8	487.6
75°	2901.8	2097.0	330.8	262.6	221.6	306.9	439.9	487.6	433.0	487.6	480.8
77.5°	1725.4	1196.9	293.2	245.5	204.6	296.7	433.0	487.6	422.8	480.8	474.0
80°	729.7	562.6	248.9	214.8	187.5	283.0	426.2	484.2	405.8	467.1	456.9
82.5°	460.3	381.9	211.4	177.3	184.1	279.6	429.6	477.4	399.0	470.6	436.5
85°	371.7	313.7	180.7	150.0	170.5	286.4	412.6	433.0	344.4	405.8	395.5
87.5°	313.7	262.6	81.8	64.8	126.2	221.6	313.7	323.9	248.9	317.1	303.5
90°	344.4	286.4	78.4	54.6	112.5	194.4	289.8	283.0	238.7	303.5	300.1
92.5°	375.1	303.5	75.0	58.0	126.2	211.4	317.1	286.4	252.3	306.9	303.5
95°	388.7	310.3	71.6	61.4	150.0	231.9	337.6	279.6	266.0	283.0	279.6
97.5°	293.2	225.0	68.2	64.8	156.9	262.6	317.1	235.3	173.9	173.9	170.5
100°	75.0	75.0	61.4	61.4	105.7	191.0	242.1	173.9	98.9	75.0	78.4
102.5°	20.5	23.9	54.6	58.0	58.0	85.2	136.4	112.5	64.8	10.2	10.2
105°	20.5	20.5	37.5	44.3	30.7	27.3	54.6	61.4	47.7	6.8	10.2
107.5°	20.5	20.5	17.0	23.9	10.2	13.6	13.6	17.0	17.0	6.8	6.8



REPORT NUMBER: P559842

CATALOG NUMBER: SDL-PA1-100-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.9	20.5	10.2	6.8	6.8	6.8	6.8	6.8	6.8	17.0	17.0
115°	20.5	17.0	10.2	6.8	6.8	6.8	6.8	3.4	6.8	20.5	20.5
117.5°	23.9	20.5	10.2	6.8	3.4	6.8	6.8	3.4	6.8	23.9	23.9
120°	27.3	23.9	10.2	6.8	3.4	3.4	3.4	3.4	10.2	23.9	23.9
122.5°	27.3	27.3	13.6	3.4	3.4	3.4	3.4	3.4	10.2	23.9	23.9
125°	27.3	23.9	10.2	3.4	3.4	3.4	0.0	3.4	10.2	23.9	27.3
127.5°	20.5	20.5	10.2	3.4	3.4	3.4	0.0	3.4	10.2	20.5	23.9
130°	17.0	17.0	6.8	3.4	3.4	3.4	0.0	3.4	10.2	20.5	20.5
132.5°	13.6	13.6	6.8	3.4	3.4	0.0	0.0	0.0	10.2	17.0	17.0
135°	10.2	10.2	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.6	13.6
137.5°	3.4	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	0.0	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	3.4	6.8	3.4	6.8
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	6.8	6.8	6.8
155°	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	0.0	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



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110°	23.9	23.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	10.2	20.5
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110°	23.9	20.5	10.2	10.2	6.8	6.8	6.8	6.8	6.8	13.6	13.6
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(END OF REPORT)