

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: P559845

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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
Description: Springdale
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9347.6 lumens
Efficiency: N/A
Efficacy: 99.7 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 - U0 - 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

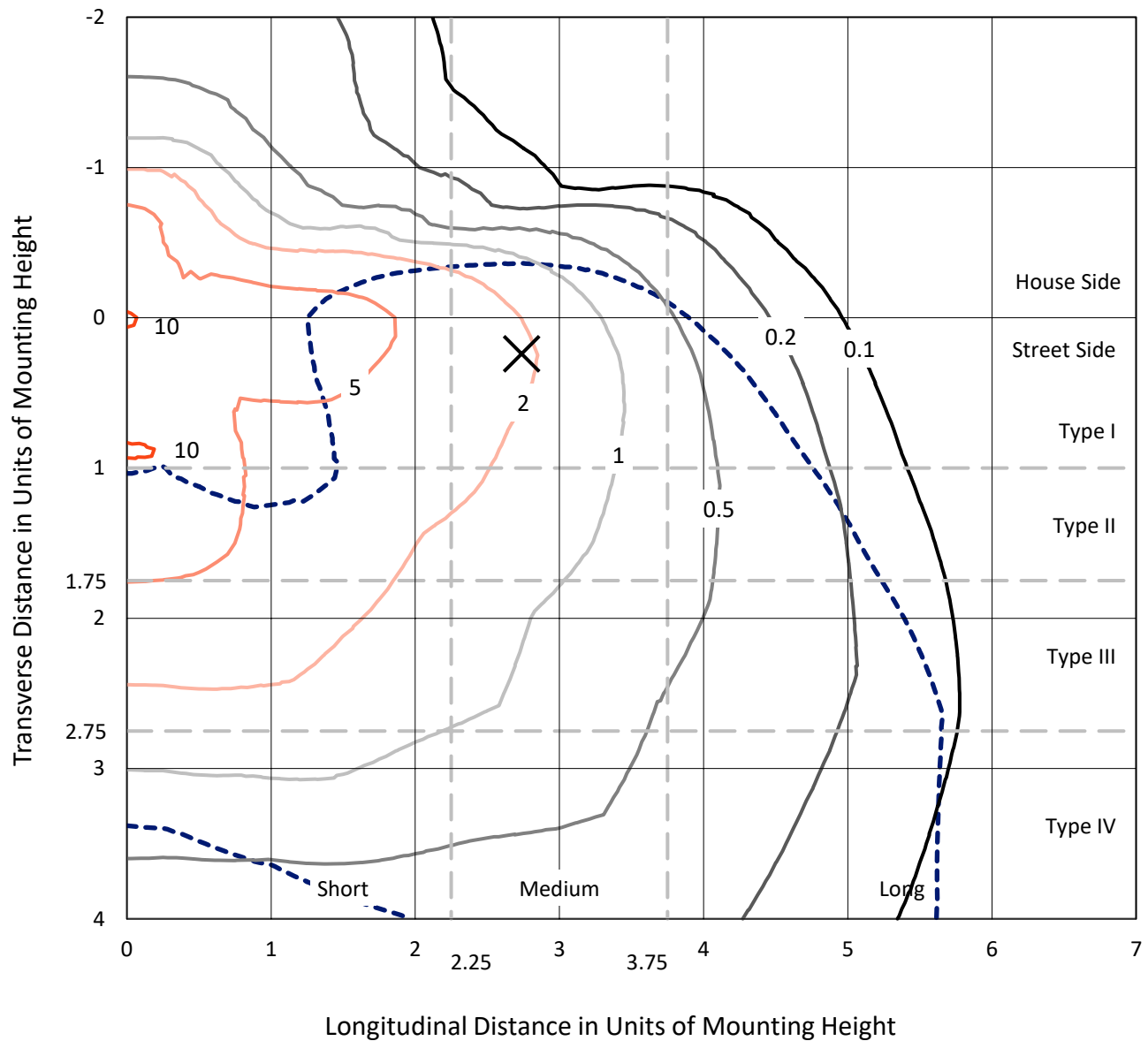


REPORT NUMBER: P559845

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

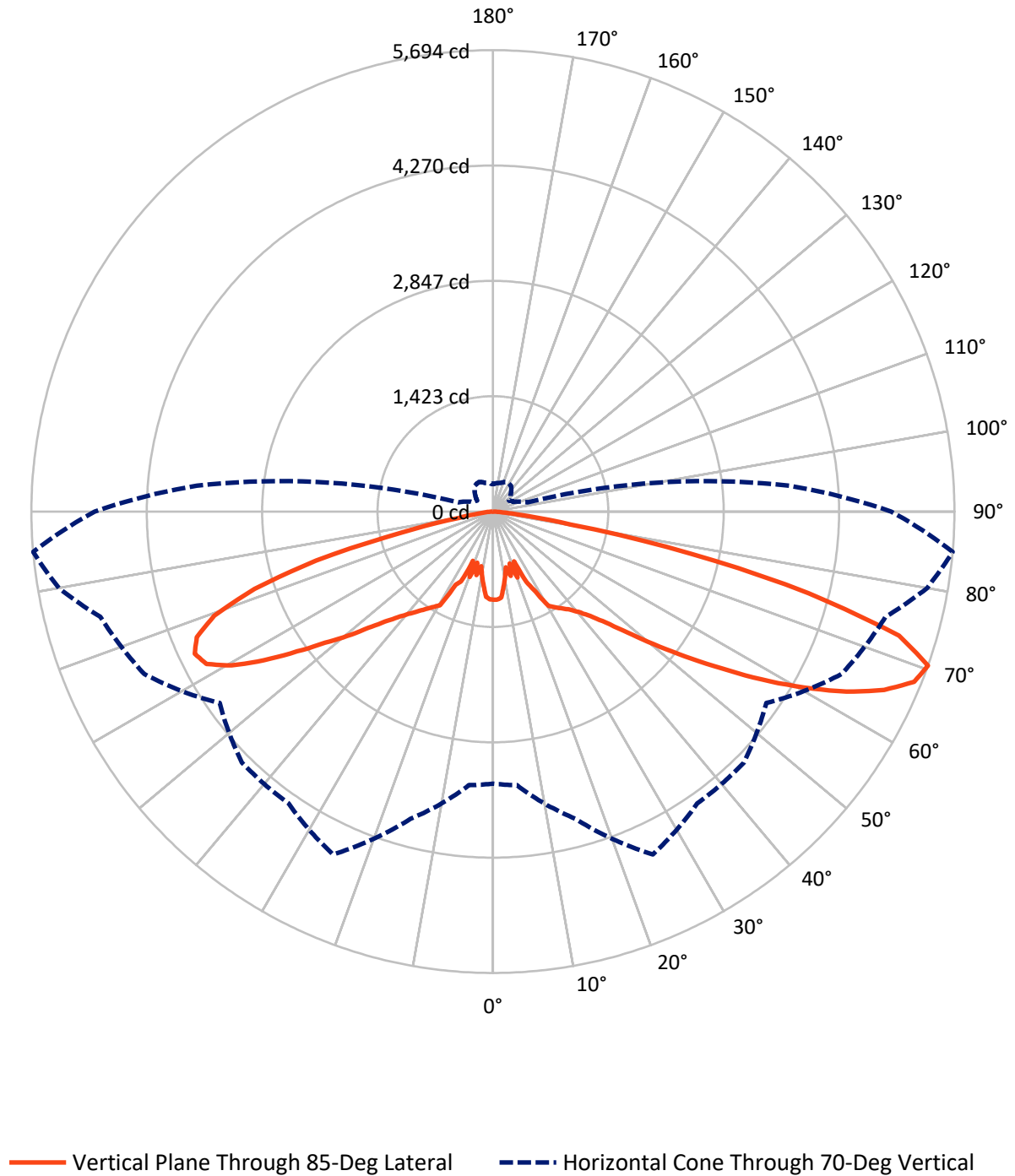


Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
Type IV - Medium - N/A

REPORT NUMBER: P559845

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

Luminous Intensity Polar Plot



REPORT NUMBER: P559845

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

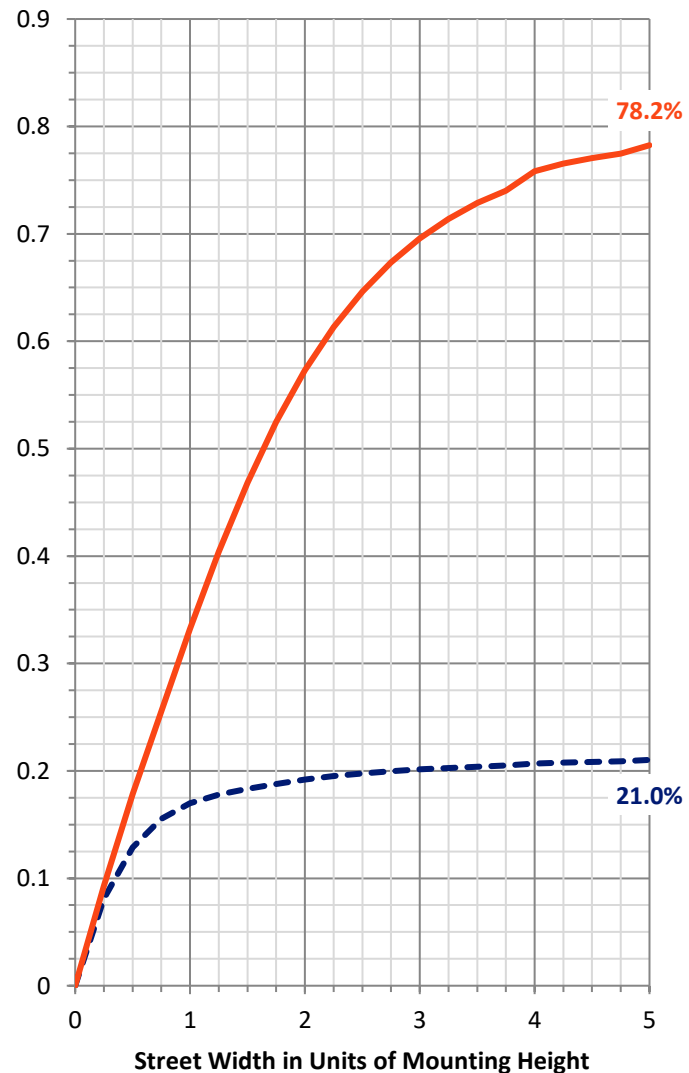
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2009.8	0.0	2009.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7337.8	0.0	7337.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	9347.6	0.0	9347.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.0
10°-20°	227.5	2.4
20°-30°	397.7	4.3
30°-40°	700.5	7.5
40°-50°	1056.8	11.3
50°-60°	1681.0	18.0
60°-70°	2465.0	26.4
70°-80°	2311.5	24.7
80°-90°	417.4	4.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9347.6	100.0
0°-180°	9347.6	100.0



REPORT NUMBER: P559845

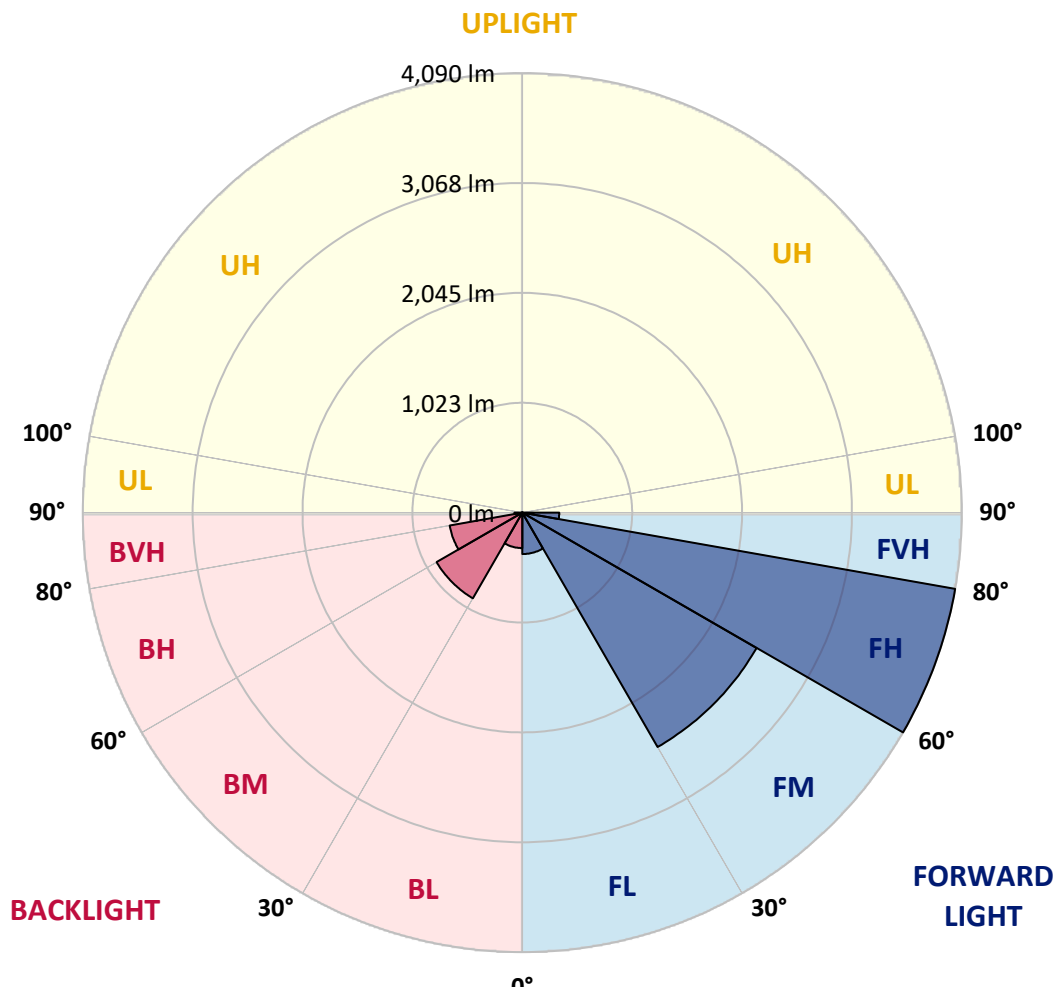
CATALOG NUMBER: SDL-PA1-100-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.5	4.1			
FM	(30°-60°)	2518.3	26.9			
FH	(60°-80°)	4090.4	43.8			G2/5000
FVH	(80°-90°)	343.7	3.7			G3/500
BL	(0°-30°)	330.0	3.5	B1/500		
BM	(30°-60°)	920.0	9.8	B1/1000		
BH	(60°-80°)	686.1	7.3	B2/1000		G2/1000
BVH	(80°-90°)	73.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



REPORT NUMBER: P559845

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	986.9	1028.3	1049.0	1069.7	1076.6	1083.5	1083.5	1080.1	1080.1	1080.1	1087.0
5°	1004.2	1000.7	1000.7	1000.7	997.3	993.8	990.4	983.5	980.0	973.1	969.6
7.5°	921.3	990.4	993.8	997.3	997.3	993.8	1000.7	1007.6	1000.7	990.4	976.6
10°	1093.9	1090.4	1083.5	1076.6	1066.3	1055.9	976.6	893.7	900.6	907.5	842.0
12.5°	948.9	1014.5	1042.1	1069.7	1073.2	1073.2	1018.0	959.3	883.4	807.5	776.4
15°	1159.4	1152.5	1138.7	1124.9	1031.8	935.1	879.9	824.7	824.7	824.7	731.6
17.5°	976.6	973.1	1035.2	1097.3	1062.8	1028.3	948.9	869.6	752.3	631.5	707.4
20°	1197.4	1197.4	1180.1	1162.9	1004.2	842.0	852.3	859.2	862.7	862.7	828.2
22.5°	1004.2	997.3	1004.2	1007.6	1007.6	1007.6	862.7	717.7	797.1	873.0	793.7
25°	1197.4	1200.8	1197.4	1193.9	1049.0	900.6	924.8	948.9	838.5	724.6	800.6
27.5°	1045.6	1042.1	1024.9	1007.6	1011.1	1014.5	938.6	859.2	904.1	948.9	869.6
30°	1280.2	1283.7	1273.3	1259.5	1114.6	969.6	962.7	952.4	921.3	890.3	917.9
32.5°	1545.9	1545.9	1438.9	1332.0	1242.3	1149.1	1073.2	997.3	1028.3	1059.4	1024.9
35°	1687.4	1680.5	1646.0	1608.0	1442.4	1273.3	1169.8	1062.8	1073.2	1080.1	1080.1
37.5°	1939.3	1935.8	1887.5	1839.2	1614.9	1387.2	1252.6	1114.6	1135.3	1152.5	1128.4
40°	2253.3	2253.3	2215.4	2173.9	1887.5	1597.7	1407.9	1218.1	1214.7	1207.7	1180.1
42.5°	2557.0	2567.3	2543.2	2519.0	2184.3	1849.6	1601.1	1352.7	1321.6	1290.6	1263.0
45°	2757.1	2770.9	2791.6	2812.3	2481.1	2149.8	1859.9	1566.6	1508.0	1445.8	1397.5
47.5°	2960.7	2940.0	2967.6	2995.2	2712.3	2429.3	2111.8	1794.4	1697.7	1601.1	1549.4
50°	3150.5	3143.6	3153.9	3164.3	2933.1	2701.9	2374.1	2046.3	1928.9	1808.2	1749.5
52.5°	3399.0	3374.8	3361.0	3347.2	3150.5	2953.8	2643.2	2329.2	2191.2	2049.7	1980.7
55°	3637.0	3626.7	3606.0	3581.8	3412.8	3243.7	2915.9	2588.0	2443.1	2298.2	2218.8
57.5°	3882.0	3875.1	3871.7	3868.2	3719.9	3571.5	3236.8	2898.6	2733.0	2563.9	2498.3
60°	4113.2	4116.7	4144.3	4168.5	4054.6	3940.7	3602.5	3264.4	3053.9	2839.9	2774.4
62.5°	4251.3	4261.6	4330.6	4396.2	4334.1	4272.0	3923.5	3571.5	3350.6	3126.3	3081.5
65°	4075.3	4127.1	4327.2	4527.3	4527.3	4527.3	4209.9	3889.0	3695.7	3502.5	3464.5
67.5°	3681.9	3733.7	4020.1	4303.0	4451.4	4599.8	4392.8	4185.7	4054.6	3920.0	3871.7
70°	3357.5	3388.6	3657.8	3923.5	4296.1	4668.8	4534.2	4396.2	4389.3	4379.0	4247.8
72.5°	3084.9	3153.9	3374.8	3592.2	4106.3	4620.5	4617.1	4613.6	4755.1	4896.6	4644.7
75°	2467.3	2460.4	2667.4	2874.4	3454.2	4030.4	4354.8	4675.7	5082.9	5486.6	5100.2
77.5°	1100.8	1176.7	1373.4	1570.1	2091.1	2608.7	3233.3	3857.9	4755.1	5648.8	5255.4
80°	314.0	331.3	386.5	438.2	683.2	924.8	1580.4	2232.6	3361.0	4485.9	4220.2
82.5°	165.6	172.5	207.0	238.1	307.1	372.7	621.1	866.1	1835.8	2802.0	2560.4
85°	79.4	72.5	93.2	110.4	148.4	186.3	286.4	386.5	710.8	1035.2	893.7
87.5°	17.3	17.3	20.7	20.7	31.1	41.4	62.1	82.8	79.4	72.5	86.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559845

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	1090.4	1093.9	1097.3	1093.9	1090.4	1087.0	1087.0	1083.5	1083.5	1080.1	1073.2
5°	966.2	1014.5	1062.8	1066.3	1069.7	1069.7	1066.3	1062.8	1055.9	1052.5	1045.6
7.5°	962.7	945.5	928.2	931.7	935.1	938.6	938.6	928.2	924.8	897.2	869.6
10°	773.0	755.7	738.5	748.8	759.2	797.1	817.8	810.9	804.0	755.7	703.9
12.5°	745.4	738.5	731.6	679.8	628.0	672.9	703.9	700.5	690.1	645.3	600.4
15°	638.4	641.8	641.8	700.5	759.2	797.1	824.7	817.8	810.9	755.7	700.5
17.5°	779.9	741.9	700.5	690.1	679.8	697.0	672.9	634.9	659.1	652.2	645.3
20°	790.2	697.0	600.4	697.0	793.7	817.8	869.6	866.1	855.8	807.5	759.2
22.5°	714.3	769.5	821.3	769.5	717.7	683.2	666.0	659.1	655.6	669.4	679.8
25°	876.5	773.0	666.0	793.7	917.9	945.5	959.3	948.9	945.5	883.4	821.3
27.5°	786.8	842.0	897.2	938.6	980.0	1014.5	1118.0	1018.0	1014.5	955.8	893.7
30°	942.0	1000.7	1059.4	1166.3	1273.3	1332.0	1352.7	1345.8	1328.5	1235.4	1142.2
32.5°	990.4	1107.7	1221.6	1269.9	1314.7	1376.8	1407.9	1404.4	1387.2	1276.8	1162.9
35°	1080.1	1166.3	1252.6	1318.2	1380.3	1438.9	1466.6	1476.9	1456.2	1318.2	1176.7
37.5°	1104.2	1214.7	1325.1	1394.1	1463.1	1508.0	1532.1	1563.2	1539.0	1373.4	1204.3
40°	1152.5	1283.7	1411.3	1480.4	1545.9	1587.3	1628.7	1666.7	1635.6	1435.5	1231.9
42.5°	1231.9	1366.5	1497.6	1577.0	1652.9	1711.6	1759.9	1811.6	1753.0	1494.2	1231.9
45°	1349.2	1473.5	1597.7	1704.7	1808.2	1880.6	1949.7	2022.1	1904.8	1570.1	1231.9
47.5°	1497.6	1618.4	1735.7	1904.8	2073.9	2139.4	2222.3	2291.3	2101.5	1666.7	1231.9
50°	1687.4	1822.0	1956.6	2180.8	2401.7	2463.8	2567.3	2619.1	2363.7	1815.1	1263.0
52.5°	1908.2	2056.6	2201.6	2463.8	2726.1	2829.6	2967.6	3002.1	2629.4	1963.5	1294.0
55°	2139.4	2339.6	2536.3	2826.1	3112.5	3212.6	3409.3	3436.9	2971.1	2146.3	1318.2
57.5°	2432.8	2667.4	2898.6	3181.6	3461.1	3602.5	3909.7	3920.0	3367.9	2370.6	1369.9
60°	2708.8	3002.1	3292.0	3561.1	3830.3	4051.1	4406.6	4410.0	3740.6	2539.7	1335.4
62.5°	3036.6	3385.1	3730.2	3961.4	4192.6	4465.2	4893.1	4831.0	4002.8	2560.4	1118.0
65°	3423.1	3782.0	4140.9	4337.5	4530.8	4841.3	5303.7	5065.6	4075.3	2443.1	807.5
67.5°	3819.9	4154.7	4489.4	4644.7	4799.9	5193.3	5604.0	5093.2	3968.3	2267.1	562.5
70°	4116.7	4430.7	4744.7	4879.3	5013.9	5438.3	5693.7	4913.8	3668.1	2053.2	438.2
72.5°	4389.3	4686.1	4979.4	5048.4	5114.0	5331.3	5238.2	4330.6	3091.8	1728.8	362.3
75°	4713.7	4903.5	5089.8	4965.6	4841.3	4548.0	4020.1	3157.4	2263.7	1287.1	310.6
77.5°	4862.1	4817.2	4768.9	4344.4	3920.0	3133.2	2498.3	1825.4	1149.1	707.4	265.7
80°	3954.5	3775.1	3592.2	2881.3	2170.5	1483.8	973.1	617.7	421.0	317.5	213.9
82.5°	2315.4	1897.9	1480.4	1087.0	693.6	486.6	317.5	251.9	196.7	186.3	172.5
85°	748.8	662.5	576.3	455.5	334.7	207.0	120.8	110.4	103.5	113.9	120.8
87.5°	100.1	100.1	96.6	72.5	44.9	24.2	13.8	10.4	10.4	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P559845

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	1073.2	1069.7	1066.3	1062.8	1059.4	1052.5	1024.9	997.3	986.9	973.1	962.7
5°	1011.1	976.6	952.4	928.2	917.9	904.1	907.5	911.0	914.4	914.4	914.4
7.5°	876.5	883.4	886.8	886.8	897.2	904.1	911.0	914.4	900.6	886.8	869.6
10°	697.0	686.7	700.5	710.8	728.1	741.9	786.8	831.6	873.0	914.4	931.7
12.5°	634.9	669.4	641.8	614.2	669.4	721.2	783.3	845.4	883.4	917.9	886.8
15°	645.3	586.6	593.5	597.0	666.0	731.6	693.6	655.6	762.6	866.1	897.2
17.5°	634.9	624.6	662.5	697.0	631.5	565.9	659.1	748.8	797.1	845.4	831.6
20°	686.7	610.8	610.8	610.8	669.4	728.1	683.2	638.4	690.1	741.9	828.2
22.5°	710.8	738.5	683.2	624.6	662.5	700.5	700.5	697.0	755.7	810.9	797.1
25°	717.7	614.2	662.5	707.4	683.2	655.6	686.7	714.3	731.6	748.8	824.7
27.5°	821.3	748.8	693.6	634.9	679.8	724.6	714.3	703.9	717.7	731.6	748.8
30°	973.1	804.0	741.9	676.3	652.2	624.6	655.6	683.2	735.0	786.8	855.8
32.5°	1018.0	869.6	769.5	666.0	662.5	655.6	666.0	672.9	731.6	786.8	883.4
35°	1011.1	842.0	745.4	645.3	624.6	603.9	621.1	634.9	721.2	807.5	900.6
37.5°	1004.2	800.6	700.5	600.4	586.6	569.4	586.6	603.9	669.4	735.0	821.3
40°	993.8	752.3	655.6	555.6	538.3	521.1	538.3	552.1	603.9	655.6	724.6
42.5°	969.6	703.9	607.3	507.3	493.5	476.2	490.0	503.8	548.7	593.5	634.9
45°	942.0	648.7	555.6	462.4	448.6	434.8	445.1	452.0	493.5	531.4	552.1
47.5°	911.0	590.1	503.8	417.5	403.7	389.9	400.3	407.2	438.2	469.3	476.2
50°	904.1	541.8	462.4	379.6	369.2	355.4	362.3	369.2	393.4	414.1	414.1
52.5°	890.3	483.1	417.5	348.5	341.6	331.3	334.7	338.2	355.4	372.7	369.2
55°	879.9	441.7	383.0	324.4	317.5	307.1	310.6	314.0	331.3	345.1	341.6
57.5°	890.3	407.2	355.4	300.2	293.3	286.4	293.3	300.2	317.5	334.7	334.7
60°	855.8	372.7	324.4	276.1	272.6	265.7	283.0	296.8	324.4	348.5	355.4
62.5°	731.6	341.6	300.2	258.8	262.3	262.3	293.3	320.9	358.9	393.4	400.3
65°	562.5	317.5	283.0	245.0	262.3	279.5	320.9	362.3	396.8	431.3	421.0
67.5°	431.3	300.2	272.6	241.5	279.5	314.0	352.0	389.9	407.2	421.0	403.7
70°	362.3	283.0	262.3	238.1	276.1	314.0	352.0	389.9	396.8	403.7	386.5
72.5°	317.5	269.2	248.5	227.7	258.8	289.9	334.7	376.1	383.0	386.5	369.2
75°	283.0	251.9	227.7	203.6	234.6	262.3	307.1	352.0	358.9	362.3	348.5
77.5°	248.5	231.2	203.6	176.0	207.0	238.1	279.5	320.9	331.3	341.6	324.4
80°	207.0	196.7	176.0	155.3	189.8	220.8	258.8	296.8	307.1	317.5	300.2
82.5°	165.6	158.7	144.9	131.1	165.6	200.1	238.1	272.6	283.0	289.9	269.2
85°	120.8	120.8	113.9	107.0	141.5	172.5	196.7	220.8	217.4	213.9	200.1
87.5°	17.3	17.3	24.2	31.1	41.4	48.3	62.1	72.5	75.9	75.9	58.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P559845

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1087.0	1087.0	1087.0	1087.0
2.5°	952.4	952.4	948.9	955.8
5°	914.4	917.9	917.9	921.3
7.5°	852.3	835.1	814.4	817.8
10°	948.9	952.4	955.8	955.8
12.5°	852.3	838.5	821.3	824.7
15°	924.8	935.1	945.5	948.9
17.5°	814.4	810.9	807.5	804.0
20°	911.0	928.2	945.5	945.5
22.5°	783.3	783.3	783.3	786.8
25°	900.6	921.3	938.6	938.6
27.5°	762.6	810.9	859.2	897.2
30°	921.3	931.7	942.0	945.5
32.5°	976.6	1028.3	1076.6	1087.0
35°	990.4	1014.5	1035.2	1045.6
37.5°	907.5	928.2	948.9	962.7
40°	790.2	807.5	824.7	835.1
42.5°	672.9	676.3	679.8	697.0
45°	572.8	555.6	538.3	534.9
47.5°	479.6	455.5	431.3	427.9
50°	410.6	389.9	369.2	369.2
52.5°	362.3	348.5	334.7	334.7
55°	338.2	331.3	320.9	320.9
57.5°	334.7	331.3	327.8	327.8
60°	358.9	362.3	362.3	362.3
62.5°	403.7	407.2	407.2	407.2
65°	407.2	400.3	393.4	393.4
67.5°	386.5	376.1	365.8	358.9
70°	365.8	358.9	348.5	338.2
72.5°	348.5	341.6	331.3	320.9
75°	331.3	320.9	307.1	300.2
77.5°	307.1	300.2	289.9	283.0
80°	279.5	272.6	262.3	248.5
82.5°	248.5	251.9	251.9	217.4
85°	182.9	172.5	158.7	131.1
87.5°	38.0	34.5	27.6	24.2
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u



(END OF REPORT)