Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560945

Luminaire Tested: **SDL-PA1-70-750-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560945
	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-PA1-70-750-U-T4W
Description:	Springdale
	(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8454.1 lumens
Efficiency:	N/A
Efficacy:	117.1 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

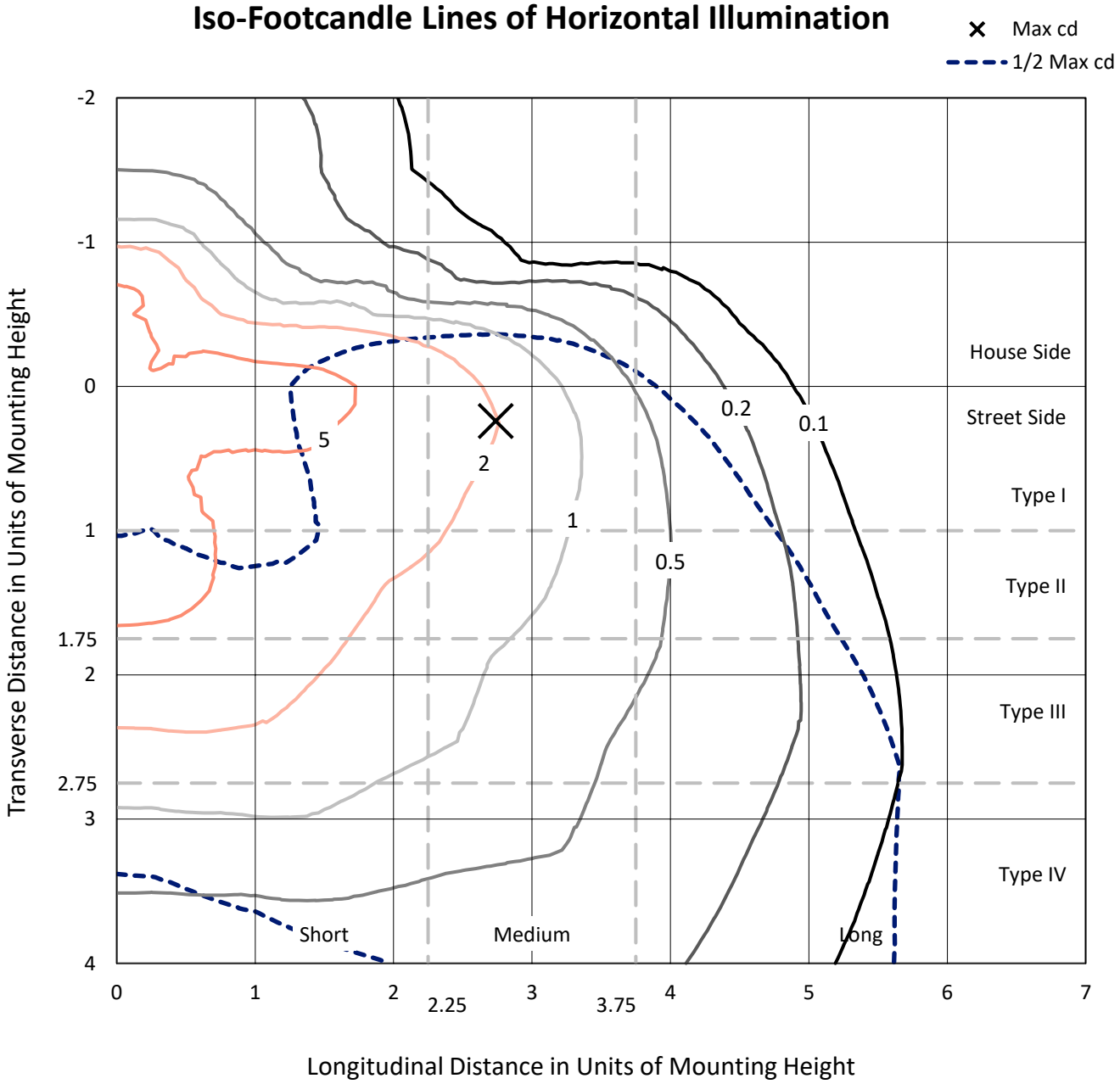
Input Watts (W):	72.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

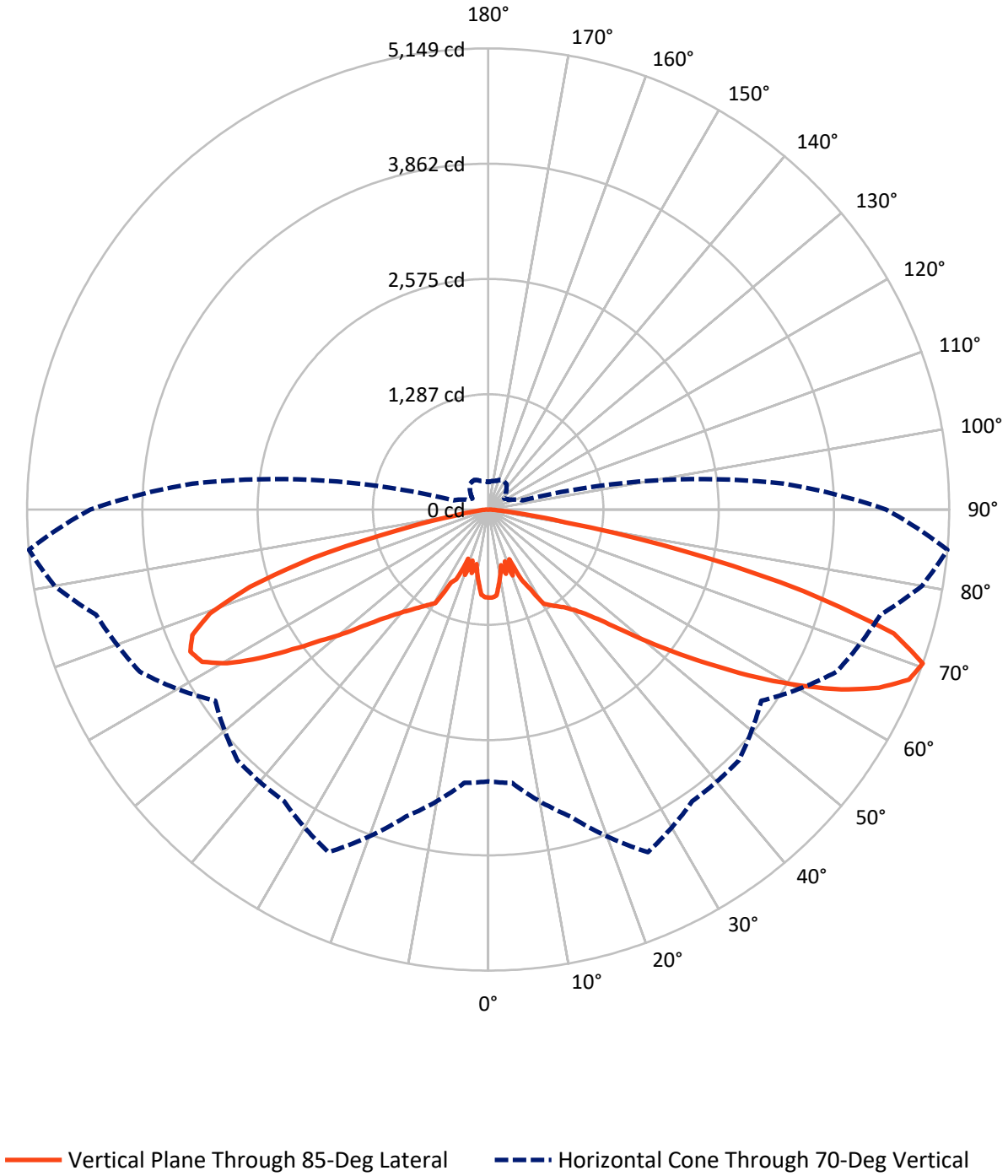
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type IV - Medium - N/A

REPORT NUMBER: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

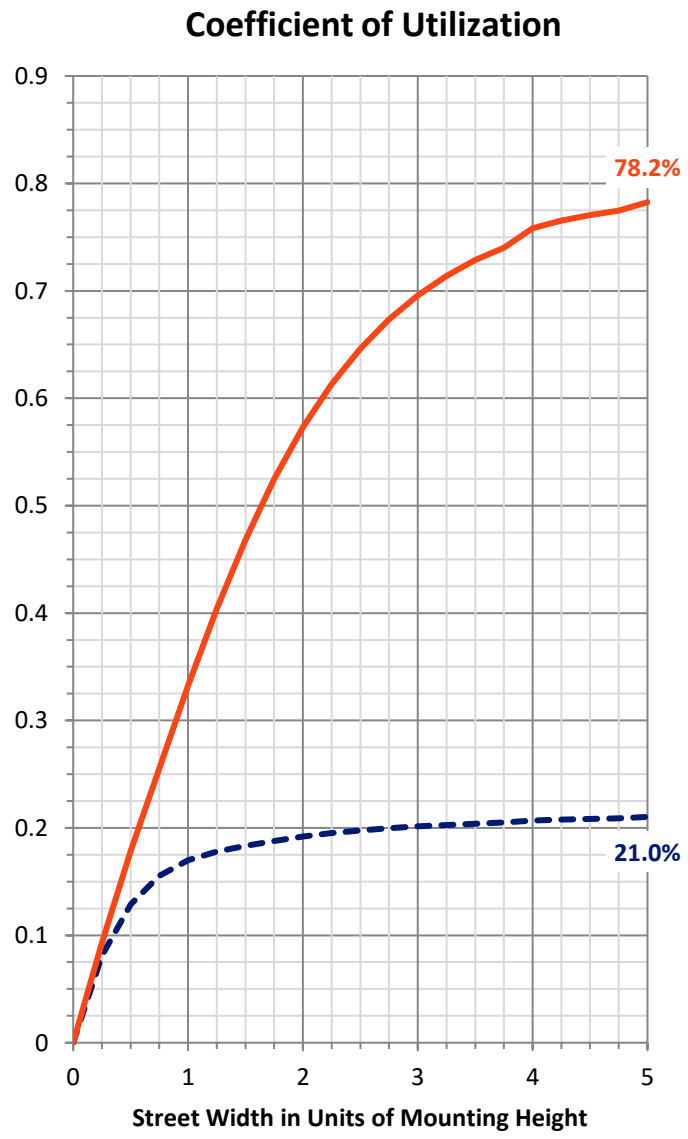
REPORT NUMBER: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1817.7	0.0	1817.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6636.4	0.0	6636.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	8454.1	0.0	8454.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.0
10°-20°	205.7	2.4
20°-30°	359.7	4.3
30°-40°	633.5	7.5
40°-50°	955.8	11.3
50°-60°	1520.3	18.0
60°-70°	2229.4	26.4
70°-80°	2090.5	24.7
80°-90°	377.5	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°	8454.1	100.0
0°-180°	8454.1	100.0

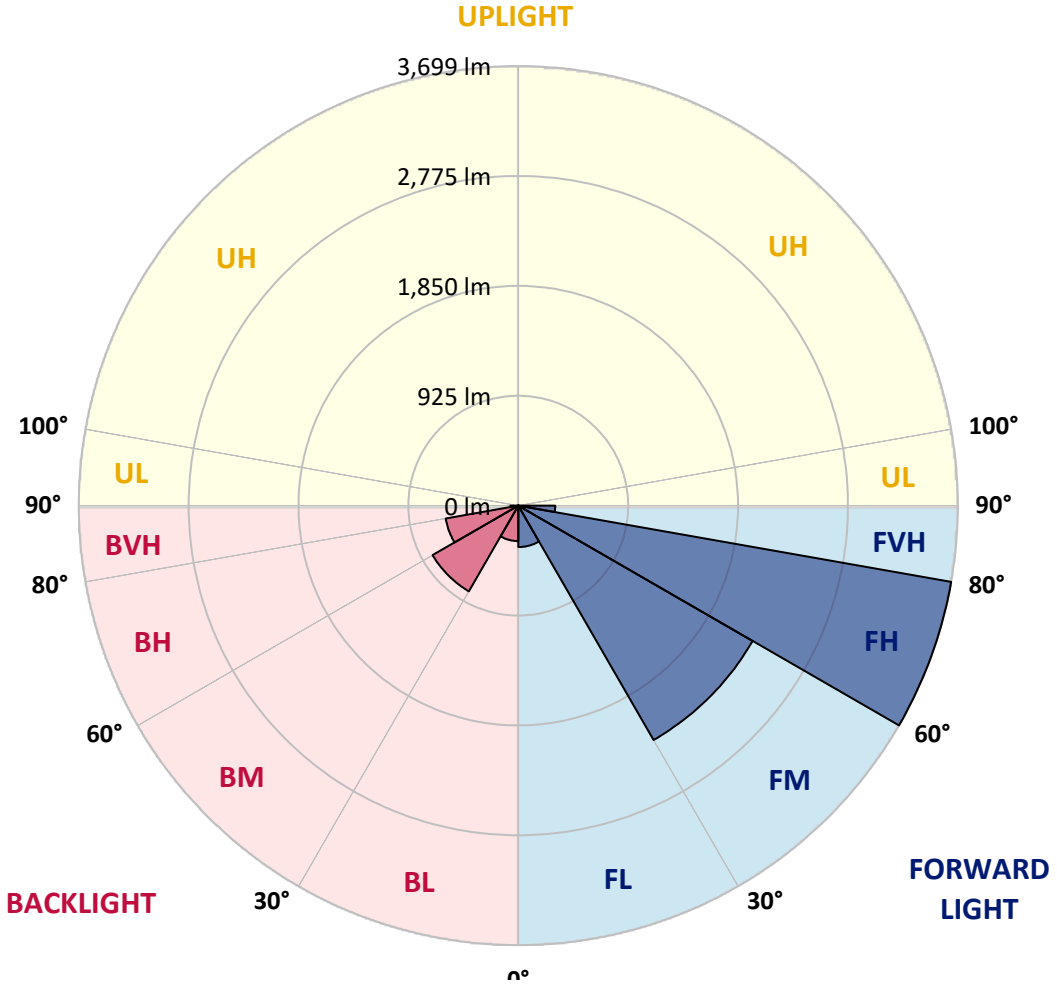


REPORT NUMBER: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	348.6	4.1			
FM	(30°-60°)	2277.6	26.9			
FH	(60°-80°)	3699.4	43.8			G2/5000
FVH	(80°-90°)	310.8	3.7			G3/500
BL	(0°-30°)	298.5	3.5	B1/500		
BM	(30°-60°)	832.1	9.8	B1/1000		
BH	(60°-80°)	620.5	7.3	B2/1000		G2/1000
BVH	(80°-90°)	66.7	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: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	892.6	930.0	948.7	967.5	973.7	979.9	979.9	976.8	976.8	976.8	983.1
5°	908.2	905.0	905.0	905.0	901.9	898.8	895.7	889.4	886.3	880.1	877.0
7.5°	833.3	895.7	898.8	901.9	901.9	898.8	905.0	911.3	905.0	895.7	883.2
10°	989.3	986.2	979.9	973.7	964.3	955.0	883.2	808.3	814.5	820.8	761.5
12.5°	858.2	917.5	942.5	967.5	970.6	970.6	920.6	867.6	798.9	730.3	702.2
15°	1048.6	1042.4	1029.9	1017.4	933.1	845.7	795.8	745.9	745.9	745.9	661.6
17.5°	883.2	880.1	936.3	992.4	961.2	930.0	858.2	786.5	680.3	571.1	639.8
20°	1082.9	1082.9	1067.3	1051.7	908.2	761.5	770.8	777.1	780.2	780.2	749.0
22.5°	908.2	901.9	908.2	911.3	911.3	911.3	780.2	649.1	720.9	789.6	717.8
25°	1082.9	1086.1	1082.9	1079.8	948.7	814.5	836.4	858.2	758.4	655.4	724.0
27.5°	945.6	942.5	926.9	911.3	914.4	917.5	848.9	777.1	817.7	858.2	786.5
30°	1157.8	1161.0	1151.6	1139.1	1008.0	877.0	870.7	861.4	833.3	805.2	830.1
32.5°	1398.1	1398.1	1301.4	1204.6	1123.5	1039.2	970.6	901.9	930.0	958.1	926.9
35°	1526.1	1519.9	1488.6	1454.3	1304.5	1151.6	1058.0	961.2	970.6	976.8	976.8
37.5°	1753.9	1750.8	1707.1	1663.4	1460.6	1254.6	1132.9	1008.0	1026.8	1042.4	1020.5
40°	2037.9	2037.9	2003.6	1966.1	1707.1	1445.0	1273.3	1101.7	1098.5	1092.3	1067.3
42.5°	2312.5	2321.9	2300.1	2278.2	1975.5	1672.8	1448.1	1223.4	1195.3	1167.2	1142.2
45°	2493.6	2506.0	2524.8	2543.5	2243.9	1944.3	1682.1	1416.9	1363.8	1307.6	1263.9
47.5°	2677.7	2659.0	2683.9	2708.9	2453.0	2197.1	1910.0	1622.8	1535.5	1448.1	1401.3
50°	2849.3	2843.1	2852.5	2861.8	2652.7	2443.6	2147.1	1850.7	1744.6	1635.3	1582.3
52.5°	3074.0	3052.2	3039.7	3027.2	2849.3	2671.4	2390.6	2106.6	1981.7	1853.8	1791.4
55°	3289.4	3280.0	3261.3	3239.4	3086.5	2933.6	2637.1	2340.6	2209.6	2078.5	2006.7
57.5°	3511.0	3504.7	3501.6	3498.5	3364.3	3230.1	2927.4	2621.5	2471.7	2318.8	2259.5
60°	3720.0	3723.2	3748.1	3770.0	3667.0	3564.0	3258.2	2952.3	2761.9	2568.5	2509.2
62.5°	3844.9	3854.2	3916.7	3976.0	3919.8	3863.6	3548.4	3230.1	3030.3	2827.5	2786.9
65°	3685.7	3732.5	3913.5	4094.6	4094.6	4094.6	3807.4	3517.2	3342.4	3167.7	3133.3
67.5°	3329.9	3376.8	3635.8	3891.7	4025.9	4160.1	3972.8	3785.6	3667.0	3545.3	3501.6
70°	*3036.6*	*3064.7*	*3308.1*	*3548.4*	*3885.5*	*4222.5*	*4100.8*	*3976.0*	*3969.7*	*3960.4*	*3841.8*
72.5°	2790.0	2852.5	3052.2	3248.8	3713.8	4178.8	4175.7	4172.6	4300.5	4428.5	4200.7
75°	2231.4	2225.2	2412.4	2599.7	3124.0	3645.1	3938.5	4228.7	4597.0	4962.1	4612.6
77.5°	995.6	1064.2	1242.1	1420.0	1891.2	2359.4	2924.2	3489.1	4300.5	5108.8	4753.0
80°	284.0	299.6	349.5	396.3	617.9	836.4	1429.3	2019.2	3039.7	4057.1	3816.8
82.5°	149.8	156.0	187.3	215.3	277.8	337.1	561.8	783.3	1660.3	2534.1	2315.7
85°	71.8	65.5	84.3	99.9	134.2	168.5	259.0	349.5	642.9	936.3	808.3
87.5°	15.6	15.6	18.7	18.7	28.1	37.5	56.2	74.9	71.8	65.5	78.0
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: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	983.1	983.1	983.1	983.1	983.1	983.1	*983.1*	983.1	983.1	983.1	983.1
2.5°	986.2	989.3	992.4	989.3	986.2	983.1	*983.1*	979.9	979.9	976.8	970.6
5°	873.8	917.5	961.2	964.3	967.5	967.5	*964.3*	961.2	955.0	951.9	945.6
7.5°	870.7	855.1	839.5	842.6	845.7	848.9	*848.9*	839.5	836.4	811.4	786.5
10°	699.1	683.5	667.9	677.2	686.6	720.9	*739.6*	733.4	727.2	683.5	636.7
12.5°	674.1	667.9	661.6	614.8	568.0	608.6	*636.7*	633.5	624.2	583.6	543.0
15°	577.4	580.5	580.5	633.5	686.6	720.9	*745.9*	739.6	733.4	683.5	633.5
17.5°	705.3	671.0	633.5	624.2	614.8	630.4	*608.6*	574.2	596.1	589.8	583.6
20°	714.7	630.4	543.0	630.4	717.8	739.6	*786.5*	783.3	774.0	730.3	686.6
22.5°	646.0	695.9	742.8	695.9	649.1	617.9	*602.3*	596.1	593.0	605.4	614.8
25°	792.7	699.1	602.3	717.8	830.1	855.1	*867.6*	858.2	855.1	798.9	742.8
27.5°	711.6	761.5	811.4	848.9	886.3	917.5	*1011.2*	920.6	917.5	864.5	808.3
30°	852.0	905.0	958.1	1054.8	1151.6	1204.6	*1223.4*	1217.1	1201.5	1117.3	1033.0
32.5°	895.7	1001.8	1104.8	1148.5	1189.0	1245.2	*1273.3*	1270.2	1254.6	1154.7	1051.7
35°	976.8	1054.8	1132.9	1192.2	1248.3	1301.4	*1326.4*	1335.7	1317.0	1192.2	1064.2
37.5°	998.7	1098.5	1198.4	1260.8	1323.2	1363.8	*1385.7*	1413.7	1391.9	1242.1	1089.2
40°	1042.4	1161.0	1276.4	1338.8	1398.1	1435.6	*1473.0*	1507.4	1479.3	1298.3	1114.1
42.5°	1114.1	1235.9	1354.4	1426.2	1494.9	1547.9	*1591.6*	1638.4	1585.4	1351.3	1114.1
45°	1220.3	1332.6	1445.0	1541.7	1635.3	1700.9	*1763.3*	1828.8	1722.7	1420.0	1114.1
47.5°	1354.4	1463.7	1569.8	1722.7	1875.6	1934.9	*2009.8*	2072.2	1900.6	1507.4	1114.1
50°	1526.1	1647.8	1769.5	1972.4	2172.1	2228.3	*2321.9*	2368.7	2137.8	1641.6	1142.2
52.5°	1725.8	1860.0	1991.1	2228.3	2465.5	2559.1	*2683.9*	2715.1	2378.1	1775.8	1170.3
55°	1934.9	2115.9	2293.8	2556.0	2815.0	2905.5	*3083.4*	3108.4	2687.0	1941.2	1192.2
57.5°	2200.2	2412.4	2621.5	2877.4	3130.2	3258.2	*3535.9*	3545.3	3045.9	2144.0	1239.0
60°	2449.9	2715.1	2977.3	3220.7	3464.1	3663.9	*3985.3*	3988.4	3383.0	2296.9	1207.8
62.5°	2746.3	3061.6	3373.6	3582.7	3791.8	4038.4	*4425.4*	4369.2	3620.2	2315.7	1011.2
65°	3095.9	3420.4	3745.0	3922.9	4097.7	4378.5	*4796.7*	4581.4	3685.7	2209.6	730.3
67.5°	3454.8	3757.5	4060.2	4200.7	4341.1	4696.9	*5068.3*	4606.4	3589.0	2050.4	508.7
70°	*3723.2*	*4007.2*	*4291.2*	*4412.9*	*4534.6*	*4918.5*	*5149.4*	*4444.1*	*3317.5*	*1856.9*	*396.3*
72.5°	3969.7	4238.1	4503.4	4565.8	4625.1	4821.7	*4737.4*	3916.7	2796.3	1563.5	327.7
75°	4263.1	4434.7	4603.2	4490.9	4378.5	4113.3	*3635.8*	2855.6	2047.3	1164.1	280.9
77.5°	4397.3	4356.7	4313.0	3929.1	3545.3	2833.7	*2259.5*	1650.9	1039.2	639.8	240.3
80°	3576.5	3414.2	3248.8	2605.9	1963.0	1342.0	*880.1*	558.6	380.7	287.1	193.5
82.5°	2094.1	1716.5	1338.8	983.1	627.3	440.0	*287.1*	227.8	177.9	168.5	156.0
85°	677.2	599.2	521.2	412.0	302.7	187.3	*109.2*	99.9	93.6	103.0	109.2
87.5°	90.5	90.5	87.4	65.5	40.6	21.8	*12.5*	9.4	9.4	12.5	12.5
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: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
2.5°	970.6	967.5	964.3	961.2	958.1	951.9	926.9	901.9	892.6	880.1	870.7
5°	914.4	883.2	861.4	839.5	830.1	817.7	820.8	823.9	827.0	827.0	827.0
7.5°	792.7	798.9	802.1	802.1	811.4	817.7	823.9	827.0	814.5	802.1	786.5
10°	630.4	621.0	633.5	642.9	658.5	671.0	711.6	752.1	789.6	827.0	842.6
12.5°	574.2	605.4	580.5	555.5	605.4	652.3	708.4	764.6	798.9	830.1	802.1
15°	583.6	530.5	536.8	539.9	602.3	661.6	627.3	593.0	689.7	783.3	811.4
17.5°	574.2	564.9	599.2	630.4	571.1	511.8	596.1	677.2	720.9	764.6	752.1
20°	621.0	552.4	552.4	552.4	605.4	658.5	617.9	577.4	624.2	671.0	749.0
22.5°	642.9	667.9	617.9	564.9	599.2	633.5	633.5	630.4	683.5	733.4	720.9
25°	649.1	555.5	599.2	639.8	617.9	593.0	621.0	646.0	661.6	677.2	745.9
27.5°	742.8	677.2	627.3	574.2	614.8	655.4	646.0	636.7	649.1	661.6	677.2
30°	880.1	727.2	671.0	611.7	589.8	564.9	593.0	617.9	664.7	711.6	774.0
32.5°	920.6	786.5	695.9	602.3	599.2	593.0	602.3	608.6	661.6	711.6	798.9
35°	914.4	761.5	674.1	583.6	564.9	546.1	561.8	574.2	652.3	730.3	814.5
37.5°	908.2	724.0	633.5	543.0	530.5	514.9	530.5	546.1	605.4	664.7	742.8
40°	898.8	680.3	593.0	502.5	486.9	471.2	486.9	499.3	546.1	593.0	655.4
42.5°	877.0	636.7	549.3	458.8	446.3	430.7	443.2	455.6	496.2	536.8	574.2
45°	852.0	586.7	502.5	418.2	405.7	393.2	402.6	408.8	446.3	480.6	499.3
47.5°	823.9	533.7	455.6	377.6	365.1	352.7	362.0	368.3	396.3	424.4	430.7
50°	817.7	490.0	418.2	343.3	333.9	321.4	327.7	333.9	355.8	374.5	374.5
52.5°	805.2	436.9	377.6	315.2	309.0	299.6	302.7	305.8	321.4	337.1	333.9
55°	795.8	399.5	346.4	293.4	287.1	277.8	280.9	284.0	299.6	312.1	309.0
57.5°	805.2	368.3	321.4	271.5	265.3	259.0	265.3	271.5	287.1	302.7	302.7
60°	774.0	337.1	293.4	249.7	246.5	240.3	255.9	268.4	293.4	315.2	321.4
62.5°	661.6	309.0	271.5	234.1	237.2	237.2	265.3	290.2	324.6	355.8	362.0
65°	508.7	287.1	255.9	221.6	237.2	252.8	290.2	327.7	358.9	390.1	380.7
67.5°	390.1	271.5	246.5	218.5	252.8	284.0	318.3	352.7	368.3	380.7	365.1
70°	*327.7*	*255.9*	*237.2*	*215.3*	*249.7*	*284.0*	*318.3*	*352.7*	*358.9*	*365.1*	*349.5*
72.5°	287.1	243.4	224.7	206.0	234.1	262.2	302.7	340.2	346.4	349.5	333.9
75°	255.9	227.8	206.0	184.1	212.2	237.2	277.8	318.3	324.6	327.7	315.2
77.5°	224.7	209.1	184.1	159.2	187.3	215.3	252.8	290.2	299.6	309.0	293.4
80°	187.3	177.9	159.2	140.4	171.6	199.7	234.1	268.4	277.8	287.1	271.5
82.5°	149.8	143.6	131.1	118.6	149.8	181.0	215.3	246.5	255.9	262.2	243.4
85°	109.2	109.2	103.0	96.7	128.0	156.0	177.9	199.7	196.6	193.5	181.0
87.5°	15.6	15.6	21.8	28.1	37.5	43.7	56.2	65.5	68.7	68.7	53.1
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: P560945
CATALOG NUMBER: SDL-PA1-70-750-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	983.1	983.1	983.1	983.1
2.5°	861.4	861.4	858.2	864.5
5°	827.0	830.1	830.1	833.3
7.5°	770.8	755.2	736.5	739.6
10°	858.2	861.4	864.5	864.5
12.5°	770.8	758.4	742.8	745.9
15°	836.4	845.7	855.1	858.2
17.5°	736.5	733.4	730.3	727.2
20°	823.9	839.5	855.1	855.1
22.5°	708.4	708.4	708.4	711.6
25°	814.5	833.3	848.9	848.9
27.5°	689.7	733.4	777.1	811.4
30°	833.3	842.6	852.0	855.1
32.5°	883.2	930.0	973.7	983.1
35°	895.7	917.5	936.3	945.6
37.5°	820.8	839.5	858.2	870.7
40°	714.7	730.3	745.9	755.2
42.5°	608.6	611.7	614.8	630.4
45°	518.1	502.5	486.9	483.7
47.5°	433.8	412.0	390.1	387.0
50°	371.4	352.7	333.9	333.9
52.5°	327.7	315.2	302.7	302.7
55°	305.8	299.6	290.2	290.2
57.5°	302.7	299.6	296.5	296.5
60°	324.6	327.7	327.7	327.7
62.5°	365.1	368.3	368.3	368.3
65°	368.3	362.0	355.8	355.8
67.5°	349.5	340.2	330.8	324.6
70°	*330.8*	*324.6*	*315.2*	*305.8*
72.5°	315.2	309.0	299.6	290.2
75°	299.6	290.2	277.8	271.5
77.5°	277.8	271.5	262.2	255.9
80°	252.8	246.5	237.2	224.7
82.5°	224.7	227.8	227.8	196.6
85°	165.4	156.0	143.6	118.6
87.5°	34.3	31.2	25.0	21.8
90°	0.0	0.0	0.0	0.0

Report Generated By 670245982

HS SS

0

(END OF REPORT)