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: P560541

Luminaire Tested: **SDL-PA1-50-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560541
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-50-730-U-T2U
Description:	Springdale
	(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5928.1 lumens
Efficiency:	N/A
Efficacy:	113.1 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 - U0 - G2

Input Watts (W):	52.4
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

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Scaled Data Report

REPORT NUMBER: P560541
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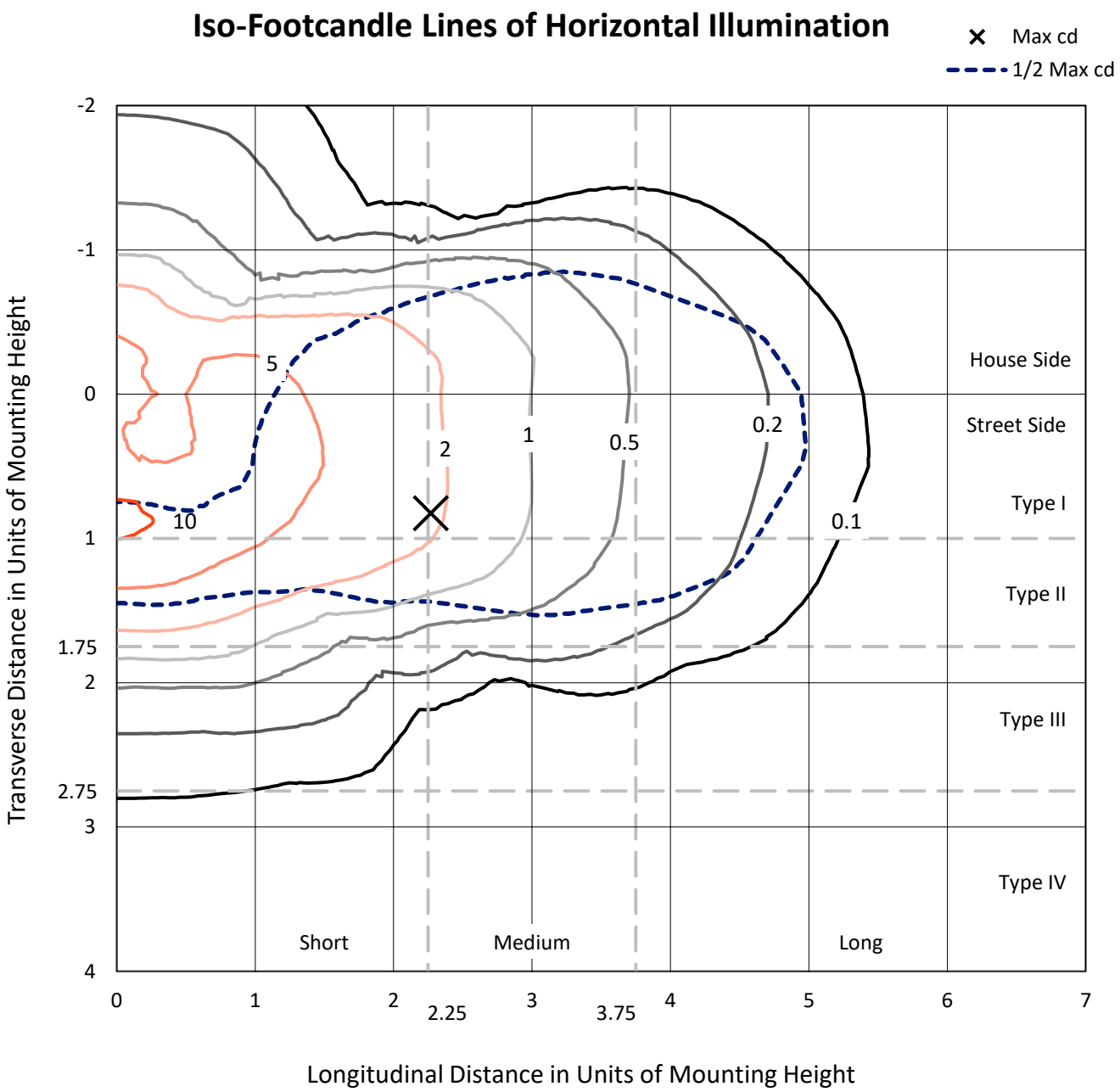

Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Medium - N/A

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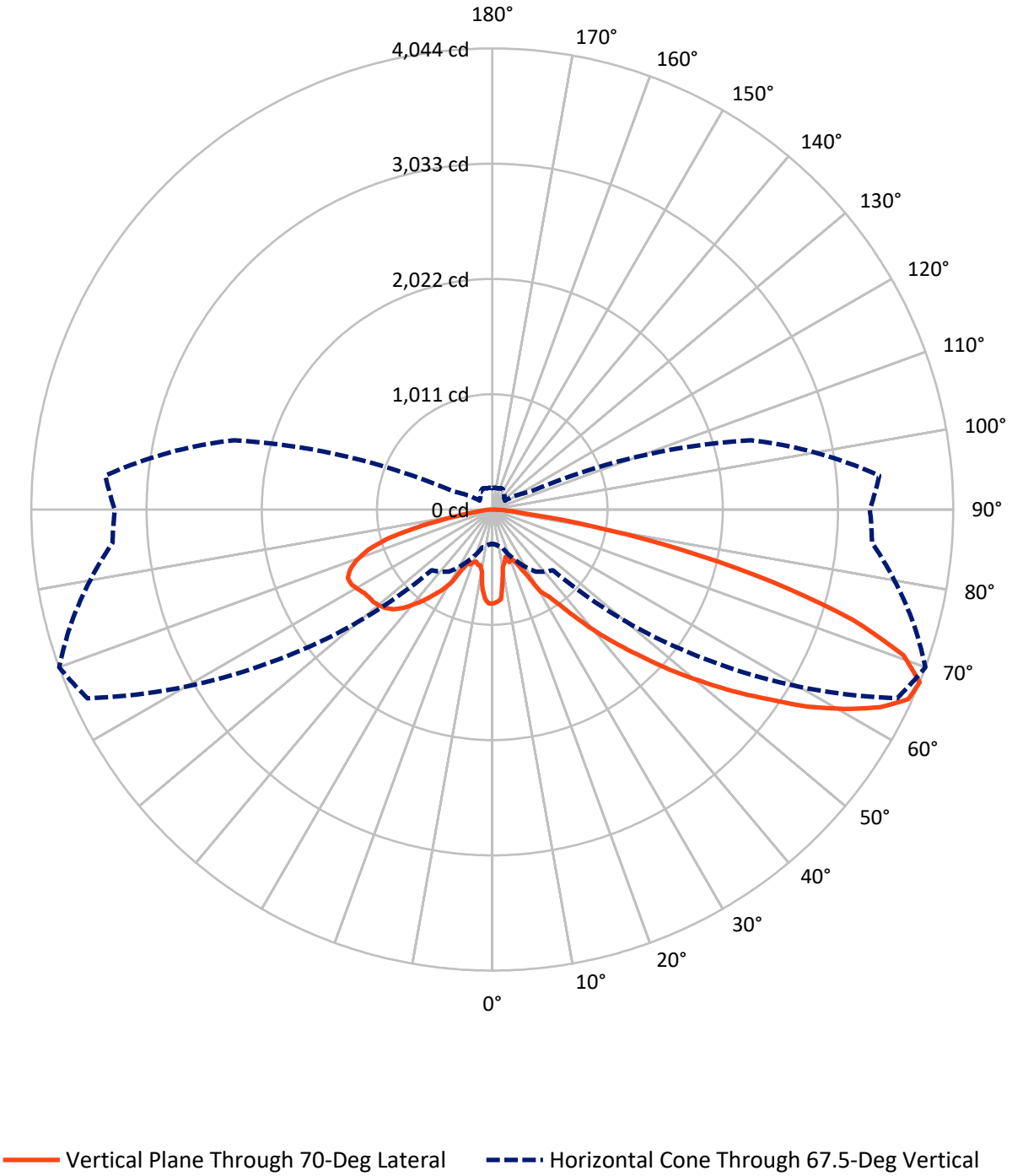
Luminous Intensity Polar Plot



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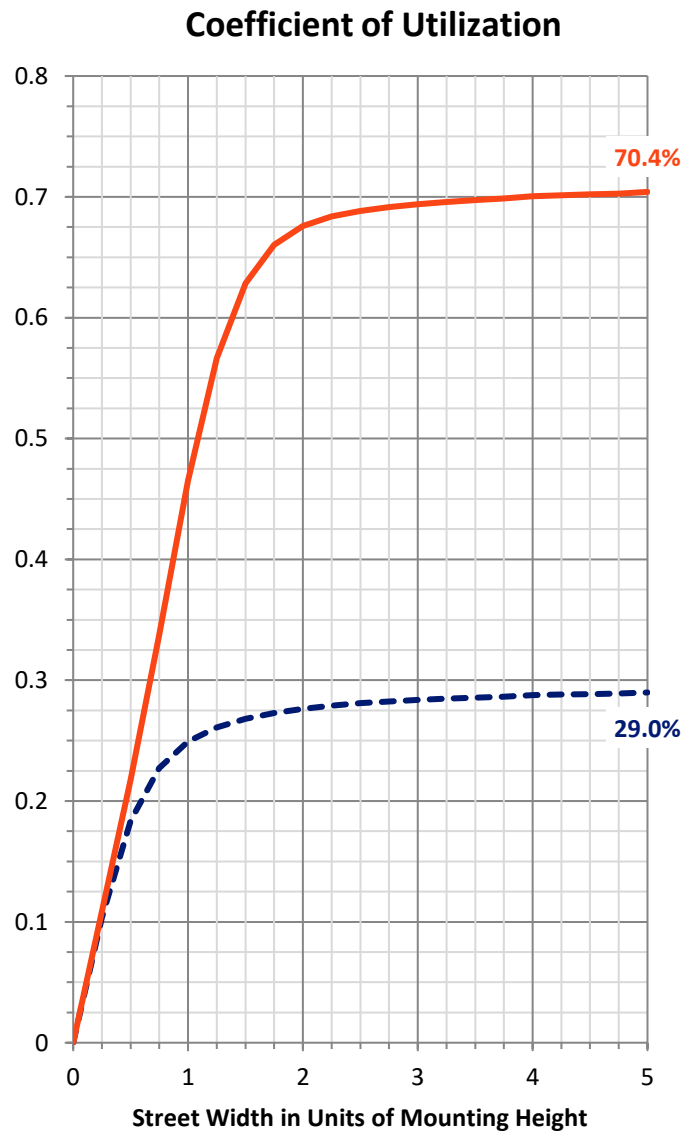
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1738.4	0.0	1738.4
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4189.6	0.0	4189.6
	% Fixture	70.7	0.0	70.7
Total	Lumens	5928.1	0.0	5928.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.1
10°-20°	155.2	2.6
20°-30°	275.8	4.7
30°-40°	582.9	9.8
40°-50°	1067.1	18.0
50°-60°	1455.8	24.6
60°-70°	1372.5	23.2
70°-80°	830.6	14.0
80°-90°	122.0	2.1
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°	5928.1	100.0
0°-180°	5928.1	100.0



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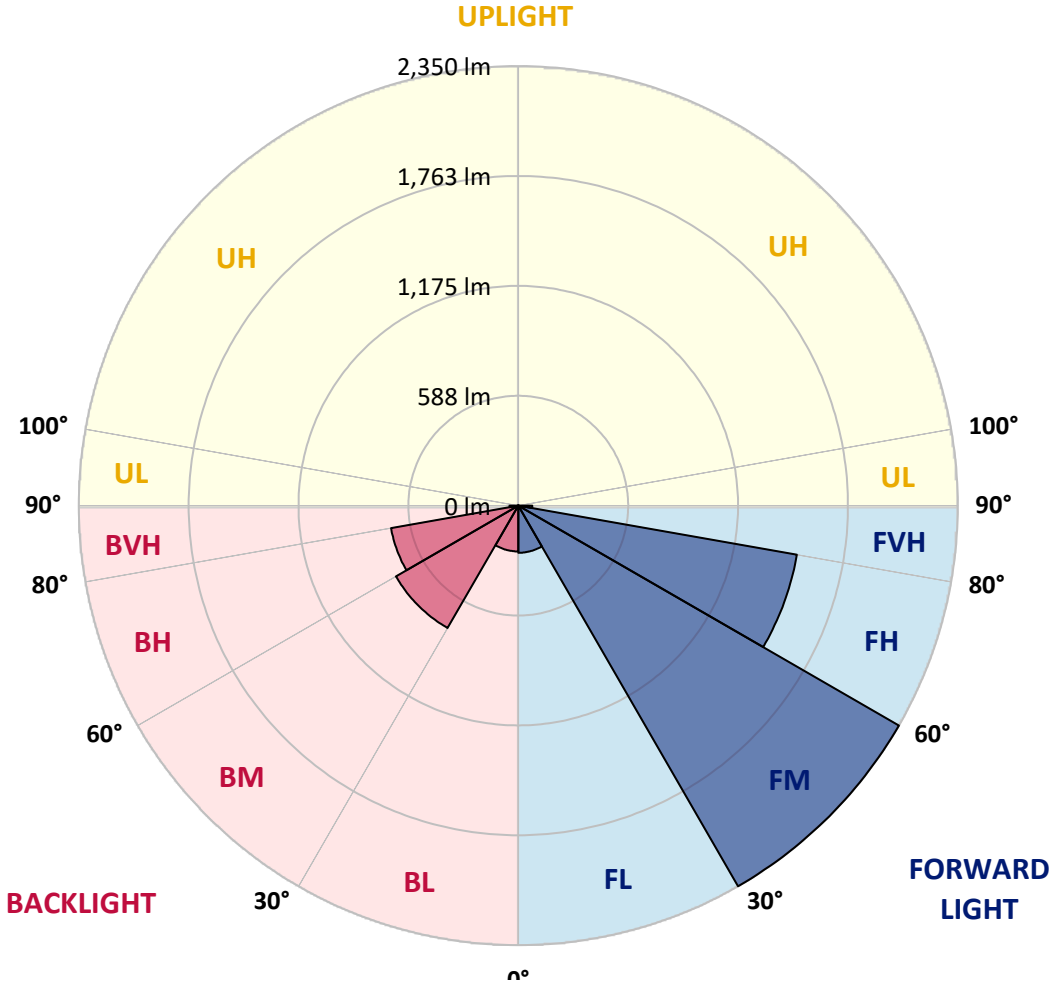
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	252.3	4.3			
FM	(30°-60°)	2350.1	39.6			
FH	(60°-80°)	1512.4	25.5			G1/1800
FVH	(80°-90°)	74.8	1.3			G1/100
BL	(0°-30°)	244.9	4.1	B1/500		
BM	(30°-60°)	755.7	12.7	B1/1000		
BH	(60°-80°)	690.7	11.7	B2/1000		G2/1000
BVH	(80°-90°)	47.2	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	693.2	699.6	742.2	784.9	787.0	787.0	789.2	791.3	797.7	801.9	806.2
5°	646.3	650.5	650.5	650.5	652.6	654.8	656.9	656.9	661.2	663.3	667.6
7.5°	541.7	584.4	599.3	612.1	620.7	627.1	631.3	635.6	639.9	644.1	648.4
10°	616.4	616.4	618.5	618.5	618.5	616.4	573.7	528.9	550.3	571.6	539.6
12.5°	507.6	516.1	554.5	590.8	601.5	610.0	588.7	565.2	526.8	488.4	484.2
15°	603.6	603.6	603.6	601.5	563.1	522.5	482.0	439.4	465.0	490.6	452.2
17.5°	522.5	522.5	554.5	584.4	582.3	578.0	541.7	503.3	443.6	381.8	430.8
20°	659.0	656.9	646.3	633.5	554.5	475.6	492.7	509.7	514.0	516.1	501.2
22.5°	588.7	590.8	603.6	616.4	618.5	620.7	528.9	435.1	488.4	541.7	490.6
25°	819.0	814.7	795.5	774.2	686.8	597.2	614.3	631.3	543.9	454.3	509.7
27.5°	778.5	765.7	757.2	748.6	763.6	778.5	697.4	614.3	633.5	652.6	582.3
30°	1113.3	1113.3	1092.0	1068.6	936.3	801.9	780.6	759.3	708.1	654.8	667.6
32.5°	1409.8	1409.8	1330.9	1249.8	1170.9	1092.0	987.5	883.0	861.7	838.2	816.9
35°	1774.5	1763.9	1719.1	1672.1	1501.5	1330.9	1196.5	1062.2	1019.5	976.8	955.5
37.5°	2115.8	2092.3	2030.5	1966.5	1787.3	1606.0	1429.0	1252.0	1205.1	1158.1	1111.2
40°	2397.3	2384.5	2341.9	2297.1	2094.4	1891.8	1691.3	1488.7	1426.9	1365.0	1296.8
42.5°	2655.4	2644.7	2606.3	2565.8	2365.3	2162.7	1972.9	1780.9	1689.2	1597.5	1516.4
45°	2845.2	2828.1	2802.5	2774.8	2614.9	2452.8	2260.8	2066.7	2030.5	1994.2	1836.4
47.5°	2904.9	2875.1	2870.8	2866.5	2738.6	2610.6	2457.0	2303.5	2309.9	2316.3	2132.8
50°	2817.5	2772.7	2791.9	2811.1	2759.9	2706.6	2587.1	2467.7	2521.0	2572.2	2427.2
52.5°	2499.7	2489.0	2538.1	2585.0	2597.8	2610.6	2585.0	2557.3	2655.4	2753.5	2700.2
55°	2062.5	2109.4	2177.6	2245.9	2299.2	2350.4	2425.0	2499.7	2668.2	2836.7	2875.1
57.5°	1625.2	1674.3	1753.2	1832.1	1894.0	1955.8	2109.4	2262.9	2516.7	2770.6	2943.3
60°	1094.1	1145.3	1275.4	1403.4	1490.9	1578.3	1716.9	1855.6	2175.5	2495.4	2845.2
62.5°	729.4	712.4	821.1	927.8	1068.6	1209.3	1271.2	1330.9	1665.7	1998.5	2563.7
65°	447.9	450.0	492.7	533.2	688.9	842.5	891.5	938.4	1128.3	1318.1	2088.0
67.5°	*300.7*	*307.1*	*326.3*	*345.5*	*420.2*	*494.8*	*580.1*	*665.4*	*710.2*	*752.9*	*1522.8*
70°	266.6	268.7	277.3	285.8	307.1	328.5	407.4	486.3	460.7	433.0	863.8
72.5°	234.6	236.7	251.7	264.5	275.1	285.8	332.7	379.6	349.8	319.9	430.8
75°	192.0	198.4	213.3	226.1	247.4	266.6	277.3	287.9	273.0	255.9	277.3
77.5°	157.8	162.1	172.8	183.4	204.8	223.9	234.6	245.3	221.8	198.4	211.2
80°	123.7	125.8	134.4	142.9	160.0	174.9	187.7	198.4	177.0	153.6	160.0
82.5°	74.6	76.8	89.6	100.2	115.2	128.0	136.5	142.9	149.3	153.6	134.4
85°	40.5	40.5	49.1	57.6	59.7	61.9	70.4	76.8	96.0	113.0	98.1
87.5°	6.4	6.4	8.5	8.5	12.8	14.9	17.1	17.1	19.2	19.2	21.3
90°	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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	825.4	825.4	825.4	*825.4*	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	808.3	810.5	810.5	*810.5*	812.6	814.7	816.9	816.9	819.0	821.1	823.3
5°	671.8	727.3	780.6	*789.2*	795.5	799.8	804.1	806.2	810.5	814.7	816.9
7.5°	652.6	652.6	652.6	*637.7*	693.2	699.6	706.0	710.2	714.5	710.2	703.8
10°	505.5	505.5	503.3	*507.6*	531.1	571.6	610.0	614.3	618.5	584.4	548.1
12.5°	477.8	484.2	490.6	*479.9*	437.2	473.5	509.7	516.1	518.3	488.4	456.4
15°	411.6	413.8	415.9	*430.8*	518.3	554.5	590.8	597.2	603.6	571.6	537.5
17.5°	477.8	462.8	445.8	*486.3*	452.2	475.6	497.0	445.8	492.7	484.2	475.6
20°	486.3	435.1	381.8	*454.3*	531.1	567.3	601.5	605.7	607.9	582.3	554.5
22.5°	439.4	488.4	537.5	*488.4*	458.6	454.3	450.0	447.9	450.0	465.0	477.8
25°	565.2	503.3	441.5	*554.5*	624.9	642.0	659.0	650.5	646.3	614.3	582.3
27.5°	511.9	560.9	607.9	*654.8*	676.1	699.6	720.9	727.3	693.2	659.0	624.9
30°	678.2	708.1	735.8	*831.8*	902.2	923.5	944.8	923.5	910.7	868.1	823.3
32.5°	793.4	853.1	912.9	*910.7*	976.8	993.9	1008.8	981.1	957.6	910.7	861.7
35°	934.2	972.6	1011.0	*1032.3*	1098.4	1104.8	1111.2	1075.0	1040.8	985.4	929.9
37.5°	1064.3	1113.3	1160.3	*1213.6*	1271.2	1258.4	1243.4	1198.7	1143.2	1100.5	1057.9
40°	1226.4	1286.1	1345.8	*1414.1*	1448.2	1429.0	1407.7	1339.4	1286.1	1241.3	1196.5
42.5°	1433.3	1497.3	1559.1	*1618.8*	1631.6	1610.3	1586.8	1512.2	1431.1	1386.3	1339.4
45°	1676.4	1727.6	1778.8	*1840.6*	1866.2	1827.8	1787.3	1693.5	1597.5	1533.5	1469.5
47.5°	1947.3	1970.7	1994.2	*2100.8*	2135.0	2071.0	2004.9	1902.5	1768.1	1684.9	1599.6
50°	2282.1	2275.7	2267.2	*2361.1*	2440.0	2333.3	2224.6	2105.1	1972.9	1855.6	1736.1
52.5°	2646.9	2585.0	2521.0	*2646.9*	2685.2	2557.3	2429.3	2301.3	2169.1	2017.7	1864.1
55°	2913.5	2879.3	2845.2	*2934.8*	2930.5	2781.2	2629.8	2478.4	2369.6	2167.0	1964.3
57.5°	3113.9	3143.8	3171.5	*3261.1*	3158.7	2988.1	2817.5	2666.0	2572.2	2318.4	2064.6
60°	3192.9	3346.4	3497.9	*3551.2*	3395.5	3203.5	3009.4	2860.1	2781.2	2474.1	2167.0
62.5°	3128.9	3468.0	3807.1	*3817.8*	3613.0	3397.6	3182.2	3060.6	3020.1	2642.6	2262.9
65°	2858.0	3416.8	3973.5	*4011.9*	3781.5	3555.4	3327.2	3237.6	3263.2	2800.4	2335.5
67.5°	*2290.7*	*3105.4*	*3918.0*	*4043.9*	*3822.0*	*3583.2*	*3344.3*	*3312.3*	*3408.3*	*2877.2*	*2346.1*
70°	1294.6	2386.6	3476.5	*3826.3*	3709.0	3472.3	3233.4	3248.3	3391.2	2834.5	2277.9
72.5°	539.6	1650.8	2762.0	*3310.2*	3412.5	3212.1	3009.4	3064.9	3163.0	2634.1	2103.0
75°	298.6	1053.6	1808.6	*2538.1*	2853.7	2800.4	2745.0	2806.8	2759.9	2248.0	1736.1
77.5°	221.8	569.5	917.1	*1699.9*	2147.8	2269.3	2388.8	2418.6	2156.3	1642.3	1128.3
80°	166.4	270.9	373.2	*868.1*	1151.7	1369.3	1586.8	1452.5	1269.0	887.3	505.5
82.5°	115.2	155.7	196.2	*279.4*	447.9	516.1	582.3	554.5	415.9	292.2	166.4
85°	81.0	102.4	123.7	*153.6*	192.0	153.6	115.2	93.8	108.8	100.2	91.7
87.5°	21.3	21.3	19.2	*21.3*	14.9	12.8	10.7	8.5	8.5	8.5	8.5
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: P560541
CATALOG NUMBER: SDL-PA1-50-730-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	825.4	827.5	827.5	827.5	827.5	825.4	814.7	804.1	778.5	752.9	744.4
5°	789.2	761.4	740.1	718.8	718.8	718.8	723.0	727.3	729.4	731.6	733.7
7.5°	703.8	701.7	710.2	718.8	725.2	731.6	735.8	740.1	731.6	723.0	703.8
10°	550.3	550.3	560.9	569.5	584.4	599.3	642.0	684.6	720.9	757.2	763.6
12.5°	499.1	539.6	516.1	490.6	543.9	597.2	644.1	688.9	725.2	759.3	731.6
15°	501.2	462.8	471.4	479.9	537.5	595.1	552.4	507.6	592.9	676.1	695.3
17.5°	477.8	479.9	518.3	556.7	499.1	439.4	514.0	588.7	620.7	650.5	622.8
20°	490.6	424.4	469.2	514.0	554.5	592.9	554.5	514.0	524.7	535.3	607.9
22.5°	518.3	558.8	520.4	482.0	528.9	573.7	554.5	535.3	569.5	601.5	571.6
25°	516.1	447.9	511.9	575.9	533.2	488.4	511.9	535.3	518.3	499.1	554.5
27.5°	595.1	565.2	548.1	528.9	552.4	575.9	526.8	477.8	477.8	477.8	471.4
30°	744.4	665.4	631.3	595.1	537.5	479.9	462.8	445.8	447.9	450.0	482.0
32.5°	831.8	801.9	699.6	597.2	543.9	490.6	445.8	401.0	405.2	409.5	450.0
35°	908.6	885.1	748.6	610.0	522.5	433.0	394.6	354.1	373.2	390.3	424.4
37.5°	996.0	932.1	746.5	558.8	465.0	371.1	347.7	324.2	337.0	347.7	369.0
40°	1075.0	951.2	727.3	501.2	407.4	311.4	300.7	287.9	298.6	309.3	322.1
42.5°	1160.3	979.0	699.6	418.0	343.4	268.7	264.5	260.2	270.9	281.5	290.1
45°	1226.4	983.2	663.3	341.3	292.2	243.1	243.1	241.0	251.7	260.2	264.5
47.5°	1269.0	936.3	605.7	273.0	251.7	230.3	232.5	232.5	241.0	247.4	249.5
50°	1298.9	859.5	550.3	241.0	230.3	219.7	219.7	219.7	228.2	234.6	238.9
52.5°	1320.2	774.2	499.1	221.8	217.5	211.2	211.2	209.0	219.7	230.3	232.5
55°	1326.6	686.8	447.9	206.9	202.6	198.4	202.6	204.8	217.5	228.2	230.3
57.5°	1341.6	618.5	405.2	192.0	189.8	187.7	194.1	200.5	213.3	226.1	226.1
60°	1371.4	573.7	375.4	177.0	177.0	177.0	187.7	196.2	209.0	221.8	219.7
62.5°	1399.1	533.2	347.7	162.1	164.2	166.4	179.2	192.0	204.8	217.5	215.4
65°	1403.4	469.2	309.3	149.3	153.6	155.7	170.6	185.6	198.4	211.2	206.9
67.5°	*1356.5*	*366.8*	*251.7*	*136.5*	*142.9*	*147.2*	*164.2*	*179.2*	*192.0*	*202.6*	*198.4*
70°	1271.2	262.3	194.1	125.8	132.2	136.5	153.6	168.5	179.2	189.8	185.6
72.5°	1145.3	187.7	151.4	115.2	119.4	123.7	138.6	153.6	166.4	177.0	172.8
75°	944.8	151.4	128.0	104.5	108.8	110.9	125.8	138.6	151.4	162.1	155.7
77.5°	627.1	123.7	108.8	93.8	96.0	98.1	110.9	121.6	132.2	140.8	136.5
80°	302.9	100.2	91.7	81.0	83.2	83.2	93.8	104.5	113.0	119.4	117.3
82.5°	123.7	78.9	72.5	66.1	66.1	66.1	76.8	85.3	93.8	100.2	96.0
85°	76.8	61.9	57.6	51.2	49.1	46.9	51.2	55.5	59.7	61.9	59.7
87.5°	10.7	10.7	12.8	14.9	12.8	8.5	12.8	17.1	17.1	14.9	12.8
90°	0.0	0.0	6.4	6.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560541
CATALOG NUMBER: SDL-PA1-50-730-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	825.4	825.4	825.4	825.4
2.5°	735.8	735.8	735.8	740.1
5°	733.7	733.7	733.7	738.0
7.5°	684.6	663.3	642.0	644.1
10°	767.8	770.0	770.0	772.1
12.5°	701.7	667.6	633.5	637.7
15°	714.5	714.5	712.4	714.5
17.5°	595.1	584.4	573.7	573.7
20°	680.4	680.4	680.4	680.4
22.5°	541.7	539.6	537.5	539.6
25°	610.0	612.1	612.1	610.0
27.5°	465.0	492.7	518.3	520.4
30°	511.9	511.9	511.9	511.9
32.5°	490.6	511.9	533.2	535.3
35°	456.4	454.3	452.2	458.6
37.5°	388.2	383.9	379.6	379.6
40°	334.9	326.3	317.8	317.8
42.5°	296.5	290.1	281.5	279.4
45°	268.7	262.3	253.8	253.8
47.5°	249.5	245.3	241.0	238.9
50°	241.0	236.7	232.5	232.5
52.5°	234.6	232.5	228.2	228.2
55°	230.3	228.2	223.9	223.9
57.5°	226.1	223.9	219.7	219.7
60°	217.5	215.4	213.3	213.3
62.5°	211.2	209.0	206.9	206.9
65°	202.6	202.6	200.5	198.4
67.5°	*192.0*	*192.0*	*192.0*	*187.7*
70°	179.2	179.2	179.2	174.9
72.5°	166.4	166.4	164.2	157.8
75°	149.3	147.2	145.0	140.8
77.5°	132.2	128.0	123.7	121.6
80°	113.0	108.8	104.5	100.2
82.5°	89.6	87.4	83.2	72.5
85°	55.5	49.1	40.5	36.3
87.5°	10.7	8.5	6.4	2.1
90°	0.0	0.0	0.0	0.0

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