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: P560966

Luminaire Tested: **SDL-PA1-70-760-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560966
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-760-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6156.3 lumens
Efficiency:	N/A
Efficacy:	85.3 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:	B1 - U0 - G2

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

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Scaled Data Report

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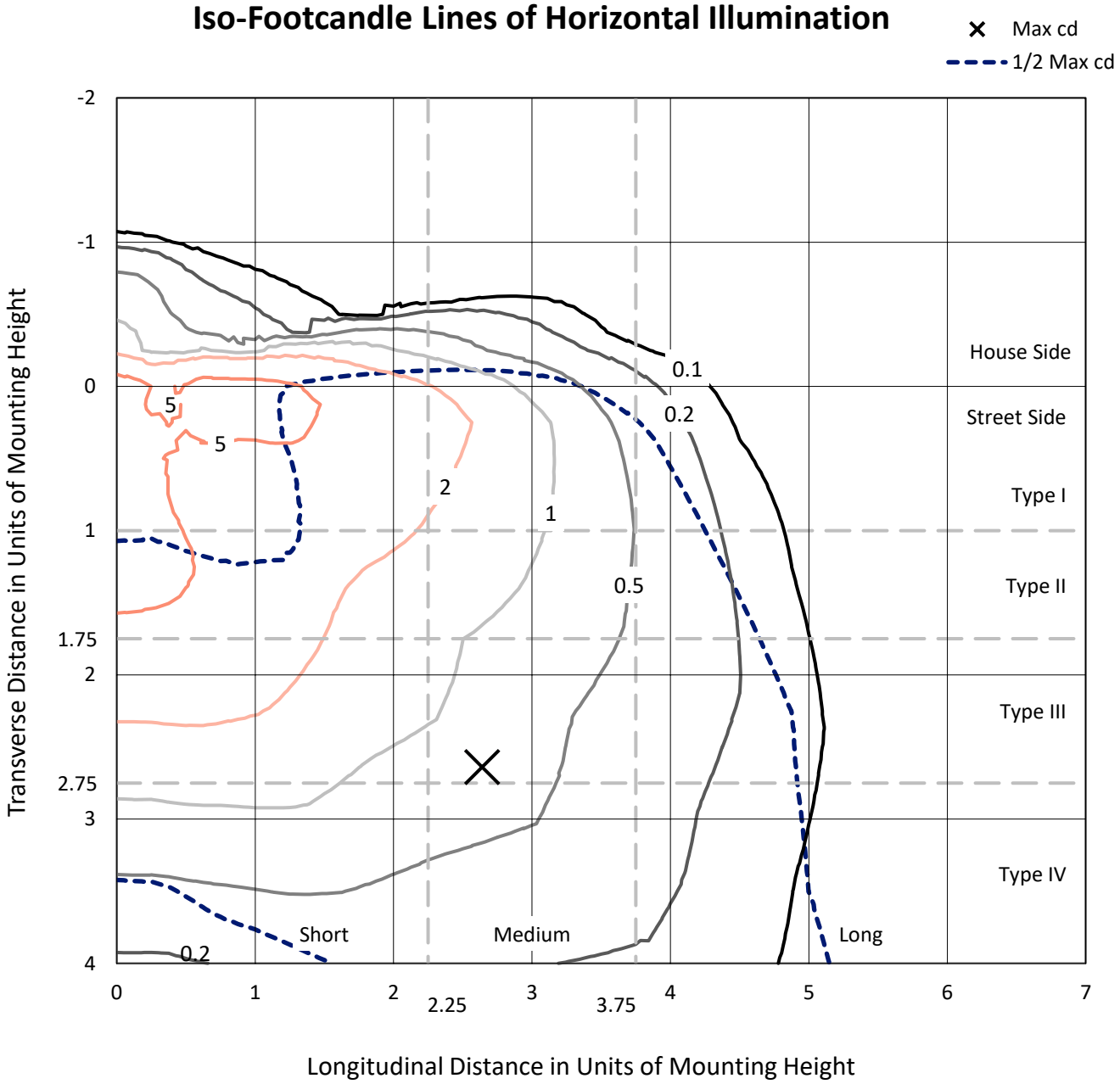
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type IV - Medium - N/A

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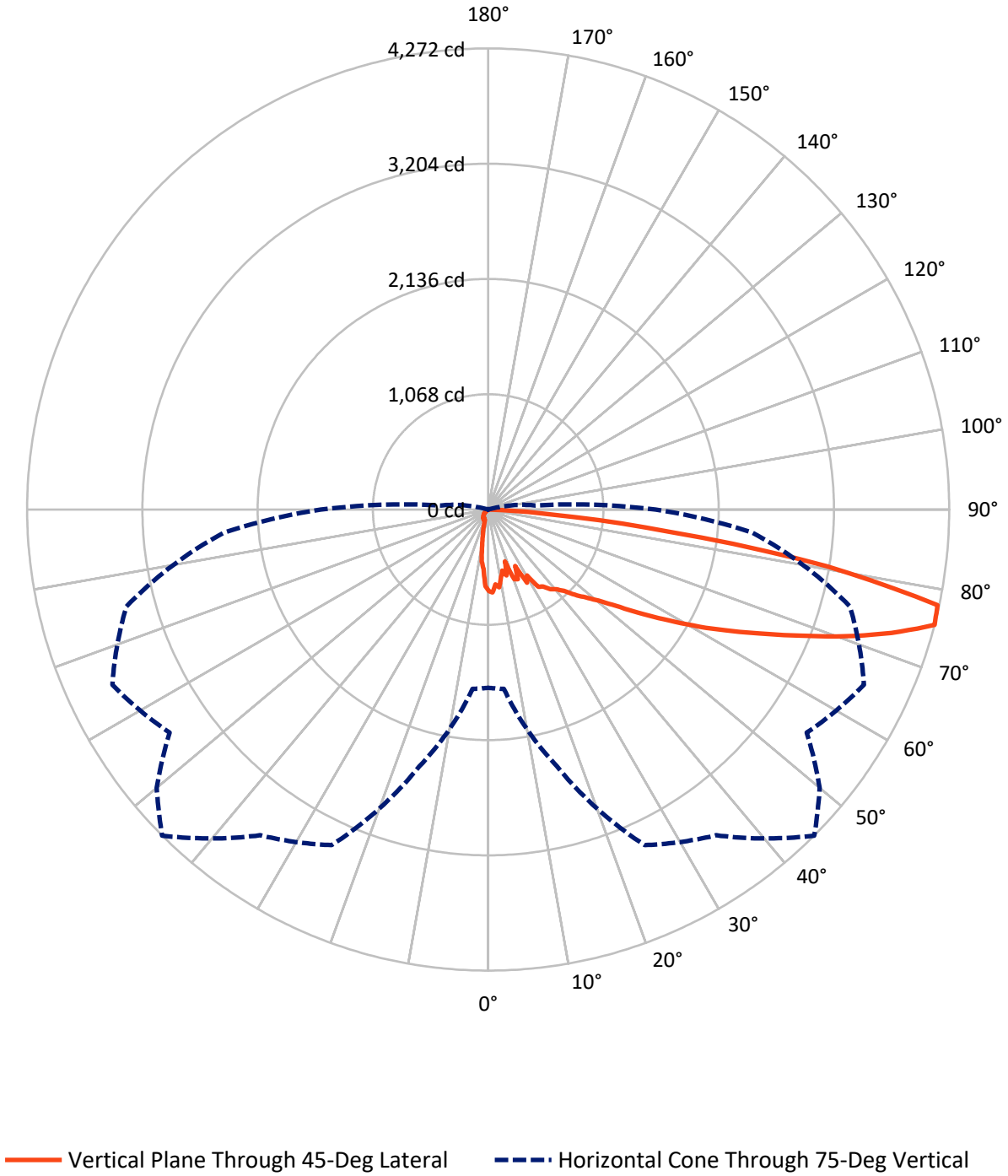
Luminous Intensity Polar Plot



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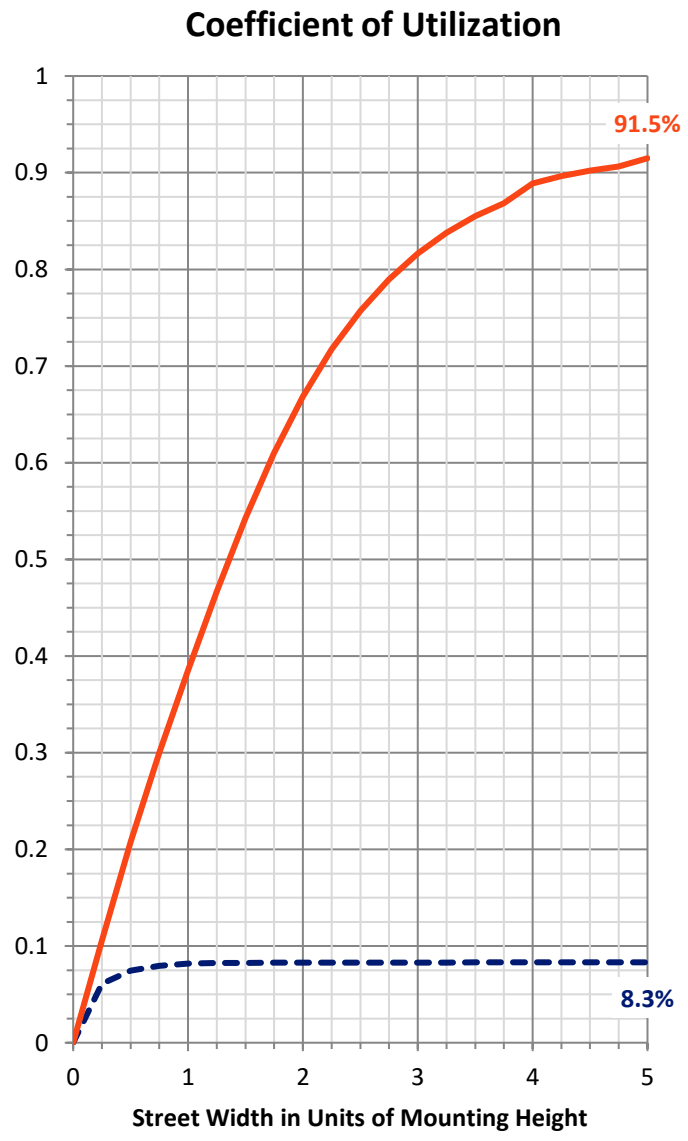
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.9	0.0	516.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5639.4	0.0	5639.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	6156.3	0.0	6156.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.0
10°-20°	128.8	2.1
20°-30°	217.9	3.5
30°-40°	401.3	6.5
40°-50°	658.5	10.7
50°-60°	1172.1	19.0
60°-70°	1753.7	28.5
70°-80°	1561.4	25.4
80°-90°	204.0	3.3
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°	6156.3	100.0
0°-180°	6156.3	100.0



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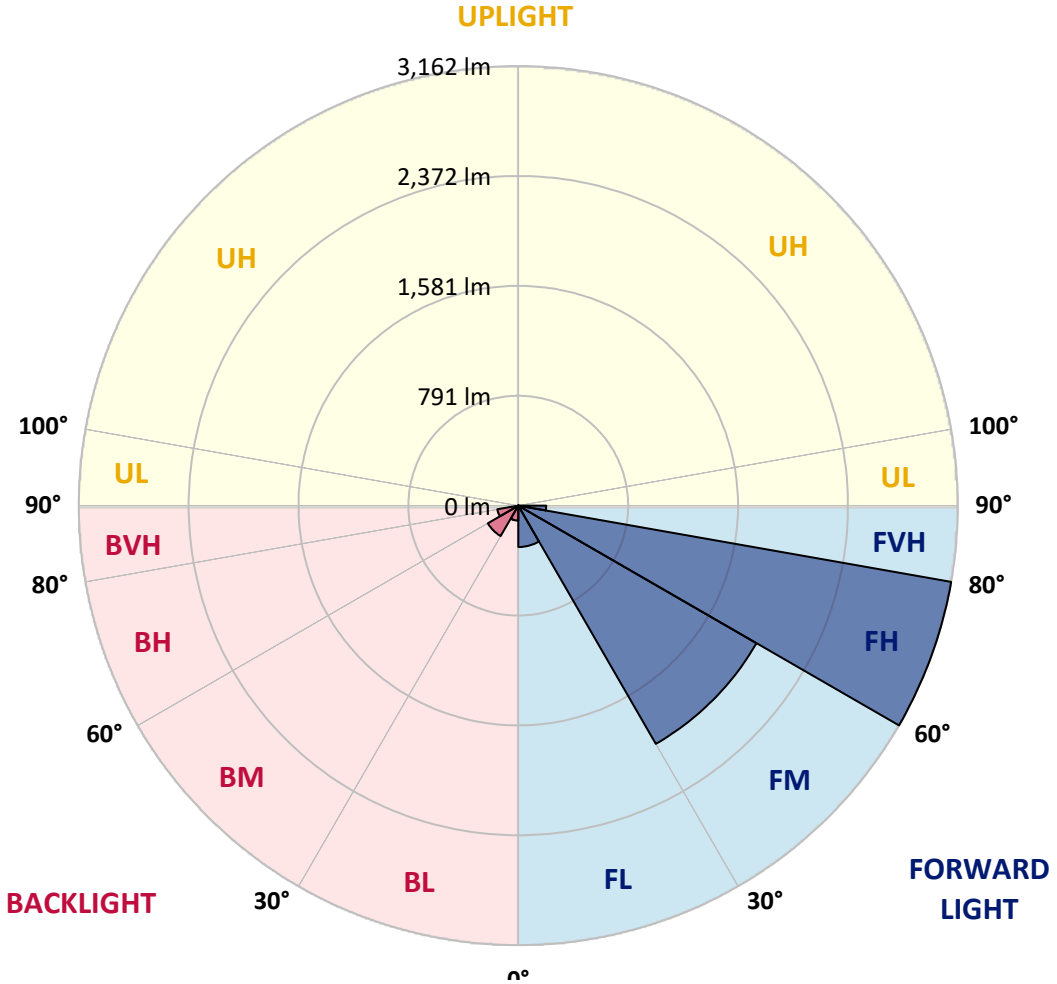
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	297.6	4.8			
FM	(30°-60°)	1979.0	32.1			
FH	(60°-80°)	3162.0	51.4			G2/5000
FVH	(80°-90°)	200.8	3.3			G2/225
BL	(0°-30°)	107.8	1.8	B0/110		
BM	(30°-60°)	252.9	4.1	B1/1000		
BH	(60°-80°)	153.1	2.5	B1/500		G1/500
BVH	(80°-90°)	3.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	*754.8*	754.8
2.5°	702.3	754.8	761.0	764.1	770.3	773.4	773.4	773.4	773.4	*770.3*	770.3
5°	742.5	739.4	736.3	733.2	730.1	723.9	717.7	708.4	702.3	*696.1*	689.9
7.5°	727.0	730.1	739.4	745.6	742.5	739.4	745.6	748.7	739.4	*727.0*	714.6
10°	847.6	841.5	835.3	829.1	819.8	810.5	736.3	662.0	655.8	*646.6*	640.4
12.5°	742.5	835.3	835.3	835.3	835.3	835.3	785.8	736.3	658.9	*581.6*	491.9
15°	928.1	925.0	912.6	900.2	816.7	730.1	683.7	637.3	637.3	*634.2*	597.1
17.5°	770.3	770.3	832.2	891.0	856.9	822.9	757.9	693.0	600.2	*504.3*	541.4
20°	974.5	974.5	962.1	949.7	807.4	665.1	671.3	677.5	683.7	*689.9*	572.3
22.5°	801.2	795.1	788.9	782.7	798.2	813.6	686.8	556.9	631.1	*702.3*	547.6
25°	977.6	986.9	980.7	971.4	844.6	717.7	745.6	770.3	674.4	*578.5*	671.3
27.5°	838.4	829.1	816.7	801.2	810.5	819.8	761.0	699.2	733.2	*767.2*	615.6
30°	1027.1	1030.2	1024.0	1017.8	897.1	776.5	773.4	767.2	739.4	*708.4*	693.0
32.5°	1271.5	1246.7	1160.1	1073.5	999.2	925.0	866.2	807.4	832.2	*853.8*	770.3
35°	1389.0	1342.6	1305.5	1265.3	1141.5	1014.7	943.6	869.3	872.4	*875.5*	841.5
37.5°	1503.5	1435.4	1389.0	1342.6	1194.1	1045.6	968.3	891.0	915.7	*937.4*	900.2
40°	1543.7	1506.6	1478.7	1450.9	1293.1	1132.3	1042.5	949.7	962.1	*971.4*	959.0
42.5°	1645.8	1639.6	1624.1	1605.6	1416.9	1225.1	1116.8	1008.5	1020.9	*1030.2*	1024.0
45°	1890.2	1880.9	1880.9	1877.8	1633.4	1385.9	1243.6	1101.3	1113.7	*1126.1*	1119.9
47.5°	2205.7	2190.3	2171.7	2150.1	1890.2	1627.2	1423.1	1215.8	1215.8	*1215.8*	1225.1
50°	2536.8	2515.1	2474.9	2431.6	2168.6	1905.7	1645.8	1385.9	1358.1	*1327.2*	1361.2
52.5°	2880.2	2843.0	2775.0	2703.8	2471.8	2239.8	1945.9	1648.9	1565.4	*1478.7*	1522.1
55°	3065.8	3025.6	2979.1	2929.7	2740.9	2549.1	2249.1	1949.0	1819.0	*1686.0*	1732.4
57.5°	3217.4	3208.1	3186.4	3164.8	3019.4	2874.0	2573.9	2270.7	2094.4	*1918.0*	1958.3
60°	3424.6	3412.3	3421.5	3430.8	3319.4	3208.1	2923.5	2635.8	2409.9	*2181.0*	2168.6
62.5°	3579.3	3576.2	3622.6	3669.0	3610.2	3548.4	3229.7	2908.0	2688.3	*2465.6*	2403.7
65°	3437.0	3477.2	3650.5	3823.7	3814.4	3802.1	3505.1	3205.0	2988.4	*2768.8*	2688.3
67.5°	3136.9	3155.5	3412.3	3665.9	3777.3	3885.6	3675.2	3461.8	3291.6	*3118.4*	2969.9
70°	2855.4	2895.6	3121.5	3347.3	3635.0	3922.7	3755.6	3588.6	3554.6	*3517.4*	3325.6
72.5°	2583.2	2654.3	2864.7	3075.1	3458.7	3839.2	3740.2	3641.2	3774.2	*3907.2*	3678.3
75°	*1652.0*	*1667.5*	*2066.5*	*2462.5*	*2948.2*	*3430.8*	*3557.7*	*3684.5*	*3978.4*	*4272.3*	*4009.3*
77.5°	482.6	535.2	835.3	1135.4	1692.2	2246.0	2679.1	3112.2	3684.5	*4256.8*	3935.1
80°	164.0	176.3	219.6	259.9	556.9	853.8	1355.0	1853.1	2518.2	*3183.3*	2957.5
82.5°	80.4	83.5	105.2	123.7	188.7	253.7	510.4	764.1	1234.4	*1701.5*	1741.7
85°	24.7	24.7	37.1	49.5	80.4	111.4	191.8	269.1	426.9	*581.6*	491.9
87.5°	6.2	6.2	9.3	12.4	18.6	24.7	24.7	24.7	18.6	*12.4*	15.5
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: P560966
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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8
2.5°	773.4	773.4	773.4	770.3	764.1	761.0	754.8	748.7	742.5	739.4	733.2
5°	680.6	720.8	757.9	761.0	761.0	751.7	742.5	733.2	723.9	714.6	705.3
7.5°	699.2	677.5	655.8	658.9	662.0	658.9	652.8	637.3	624.9	600.2	572.3
10°	559.9	544.5	525.9	532.1	538.3	553.8	569.2	556.9	538.3	491.9	442.4
12.5°	550.7	547.6	541.4	495.0	445.5	470.2	491.9	479.5	460.9	414.5	365.0
15°	470.2	473.3	473.3	519.7	566.1	584.7	600.2	584.7	563.0	501.2	436.2
17.5°	606.3	575.4	544.5	525.9	504.3	510.4	516.6	448.6	470.2	430.0	386.7
20°	628.0	525.9	423.8	507.4	590.9	618.7	646.6	631.1	603.3	504.3	402.2
22.5°	572.3	609.4	646.6	594.0	541.4	507.4	470.2	454.8	436.2	392.9	349.6
25°	708.4	606.3	501.2	600.2	696.1	702.3	708.4	680.6	649.7	525.9	402.2
27.5°	634.2	668.2	699.2	720.8	742.5	770.3	798.2	767.2	693.0	547.6	399.1
30°	754.8	801.2	847.6	918.8	990.0	1011.6	1030.2	996.1	937.4	693.0	445.5
32.5°	788.9	881.7	974.5	1002.3	1027.1	1054.9	1082.8	1054.9	983.8	686.8	386.7
35°	881.7	946.6	1008.5	1051.8	1095.1	1119.9	1144.6	1126.1	1030.2	677.5	324.8
37.5°	909.5	996.1	1079.7	1129.2	1175.6	1197.2	1215.8	1215.8	1079.7	671.3	259.9
40°	952.8	1061.1	1169.4	1215.8	1259.1	1293.1	1324.1	1336.4	1135.4	668.2	198.0
42.5°	1039.5	1135.4	1231.3	1305.5	1376.7	1426.2	1475.7	1484.9	1200.3	677.5	151.6
45°	1132.3	1234.4	1336.4	1435.4	1534.4	1605.6	1673.6	1667.5	1277.7	702.3	123.7
47.5°	1265.3	1361.2	1457.1	1624.1	1788.1	1856.2	1921.1	1877.8	1358.1	733.2	108.3
50°	1401.4	1519.0	1636.5	1850.0	2060.3	2122.2	2181.0	2091.3	1435.4	770.3	102.1
52.5°	1577.7	1717.0	1856.2	2100.6	2345.0	2400.6	2456.3	2273.8	1494.2	795.1	95.9
55°	1785.0	1964.4	2143.9	2375.9	2604.8	2669.8	2734.8	2453.2	1522.1	807.4	92.8
57.5°	2035.6	2242.9	2447.0	2660.5	2870.9	2960.6	3047.2	2629.6	1534.4	810.5	86.6
60°	2280.0	2508.9	2737.8	2920.4	3102.9	3242.1	3378.2	2802.8	1528.2	804.3	77.3
62.5°	2505.8	2759.5	3010.1	3180.2	3350.4	3517.4	3684.5	2942.0	1488.0	776.5	61.9
65°	2740.9	3010.1	3276.1	3424.6	3573.1	3789.7	4003.1	3062.7	1432.3	739.4	43.3
67.5°	2954.4	3211.2	3467.9	3635.0	3802.1	4015.5	4225.9	3093.6	1351.9	693.0	30.9
70°	3133.8	3412.3	3687.6	3857.7	4027.9	4136.2	4241.3	2957.5	1191.0	606.3	21.7
72.5°	3381.3	3631.9	3879.4	3966.0	4049.5	3860.8	3669.0	2465.6	894.1	457.9	18.6
75°	*3604.1*	*3724.7*	*3842.3*	*3656.7*	*3471.0*	*2963.7*	*2456.3*	*1553.0*	*436.2*	*228.9*	*18.6*
77.5°	3378.2	3313.3	3248.3	2679.1	2106.8	1565.4	1020.9	609.4	136.1	74.2	12.4
80°	2447.0	2150.1	1850.0	1280.8	708.4	473.3	235.1	136.1	34.0	21.7	9.3
82.5°	1317.9	1017.8	714.6	460.9	207.3	139.2	68.1	46.4	15.5	12.4	6.2
85°	476.4	377.4	275.3	213.5	151.6	89.7	24.7	15.5	9.3	9.3	6.2
87.5°	43.3	49.5	55.7	43.3	27.8	18.6	6.2	6.2	6.2	6.2	3.1
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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CATALOG NUMBER: SDL-PA1-70-760-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8	754.8
2.5°	730.1	727.0	723.9	717.7	714.6	711.5	689.9	668.2	643.5	618.7	618.7
5°	665.1	624.9	603.3	581.6	566.1	550.7	547.6	541.4	535.2	529.0	525.9
7.5°	556.9	541.4	529.0	516.6	501.2	485.7	470.2	454.8	442.4	430.0	402.2
10°	417.6	392.9	374.3	355.8	346.5	334.1	315.5	293.9	293.9	293.9	290.8
12.5°	362.0	358.9	312.5	263.0	247.5	232.0	228.9	225.8	219.6	210.4	198.0
15°	358.9	278.4	238.2	194.9	185.6	173.2	154.7	133.0	129.9	123.7	139.2
17.5°	324.8	263.0	216.6	170.1	136.1	102.1	108.3	111.4	126.8	139.2	148.5
20°	293.9	185.6	154.7	120.7	111.4	99.0	105.2	111.4	108.3	102.1	117.6
22.5°	275.3	198.0	145.4	92.8	99.0	105.2	99.0	89.7	105.2	120.7	129.9
25°	266.1	126.8	114.5	99.0	92.8	86.6	99.0	108.3	102.1	95.9	114.5
27.5°	263.0	126.8	108.3	86.6	92.8	99.0	95.9	89.7	102.1	111.4	108.3
30°	281.5	114.5	102.1	89.7	86.6	83.5	89.7	95.9	95.9	92.8	108.3
32.5°	250.6	114.5	102.1	86.6	86.6	83.5	83.5	83.5	92.8	102.1	108.3
35°	216.6	105.2	95.9	83.5	80.4	77.3	80.4	80.4	89.7	95.9	108.3
37.5°	179.4	99.0	89.7	77.3	74.2	71.2	71.2	68.1	77.3	86.6	95.9
40°	145.4	92.8	83.5	71.2	68.1	65.0	65.0	65.0	71.2	74.2	80.4
42.5°	120.7	86.6	77.3	65.0	61.9	58.8	58.8	55.7	58.8	61.9	65.0
45°	105.2	83.5	74.2	61.9	58.8	52.6	49.5	46.4	46.4	46.4	46.4
47.5°	92.8	77.3	71.2	61.9	55.7	46.4	43.3	37.1	34.0	30.9	27.8
50°	86.6	71.2	65.0	55.7	49.5	40.2	34.0	27.8	24.7	18.6	18.6
52.5°	80.4	65.0	58.8	49.5	40.2	30.9	24.7	15.5	15.5	12.4	12.4
55°	77.3	61.9	52.6	43.3	34.0	21.7	15.5	9.3	9.3	6.2	6.2
57.5°	74.2	58.8	49.5	37.1	24.7	12.4	9.3	6.2	6.2	6.2	6.2
60°	65.0	52.6	40.2	24.7	15.5	6.2	6.2	3.1	6.2	6.2	6.2
62.5°	52.6	40.2	27.8	15.5	9.3	3.1	3.1	3.1	6.2	6.2	6.2
65°	37.1	27.8	18.6	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1
67.5°	27.8	21.7	15.5	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
70°	18.6	15.5	12.4	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	15.5	12.4	9.3	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
75°	*15.5*	*12.4*	*9.3*	*3.1*	*3.1*	*0.0*	*3.1*	*3.1*	*3.1*	*3.1*	*3.1*
77.5°	12.4	9.3	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
80°	9.3	6.2	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	6.2	6.2
85°	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
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: P560966
CATALOG NUMBER: SDL-PA1-70-760-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	754.8	754.8	754.8	754.8
2.5°	615.6	615.6	612.5	612.5
5°	519.7	519.7	516.6	516.6
7.5°	374.3	368.1	358.9	362.0
10°	287.7	281.5	275.3	281.5
12.5°	185.6	188.7	188.7	179.4
15°	151.6	164.0	173.2	173.2
17.5°	157.8	157.8	154.7	154.7
20°	133.0	145.4	157.8	157.8
22.5°	136.1	129.9	123.7	123.7
25°	129.9	139.2	145.4	145.4
27.5°	105.2	108.3	111.4	111.4
30°	120.7	126.8	129.9	129.9
32.5°	114.5	120.7	123.7	126.8
35°	117.6	123.7	126.8	126.8
37.5°	105.2	108.3	111.4	111.4
40°	83.5	86.6	89.7	89.7
42.5°	65.0	65.0	61.9	65.0
45°	43.3	43.3	40.2	43.3
47.5°	24.7	24.7	24.7	24.7
50°	15.5	15.5	15.5	15.5
52.5°	9.3	9.3	9.3	9.3
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	3.1	3.1
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	*3.1*	*3.1*	*0.0*	*0.0*
77.5°	3.1	3.1	0.0	0.0
80°	3.1	3.1	0.0	0.0
82.5°	3.1	3.1	0.0	0.0
85°	3.1	3.1	3.1	0.0
87.5°	3.1	3.1	3.1	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)