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: P561292

Luminaire Tested: **SDL-PA1-90-750-U-T3-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P561292
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-750-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7580.7 lumens
Efficiency:	N/A
Efficacy:	82.0 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):	92.4
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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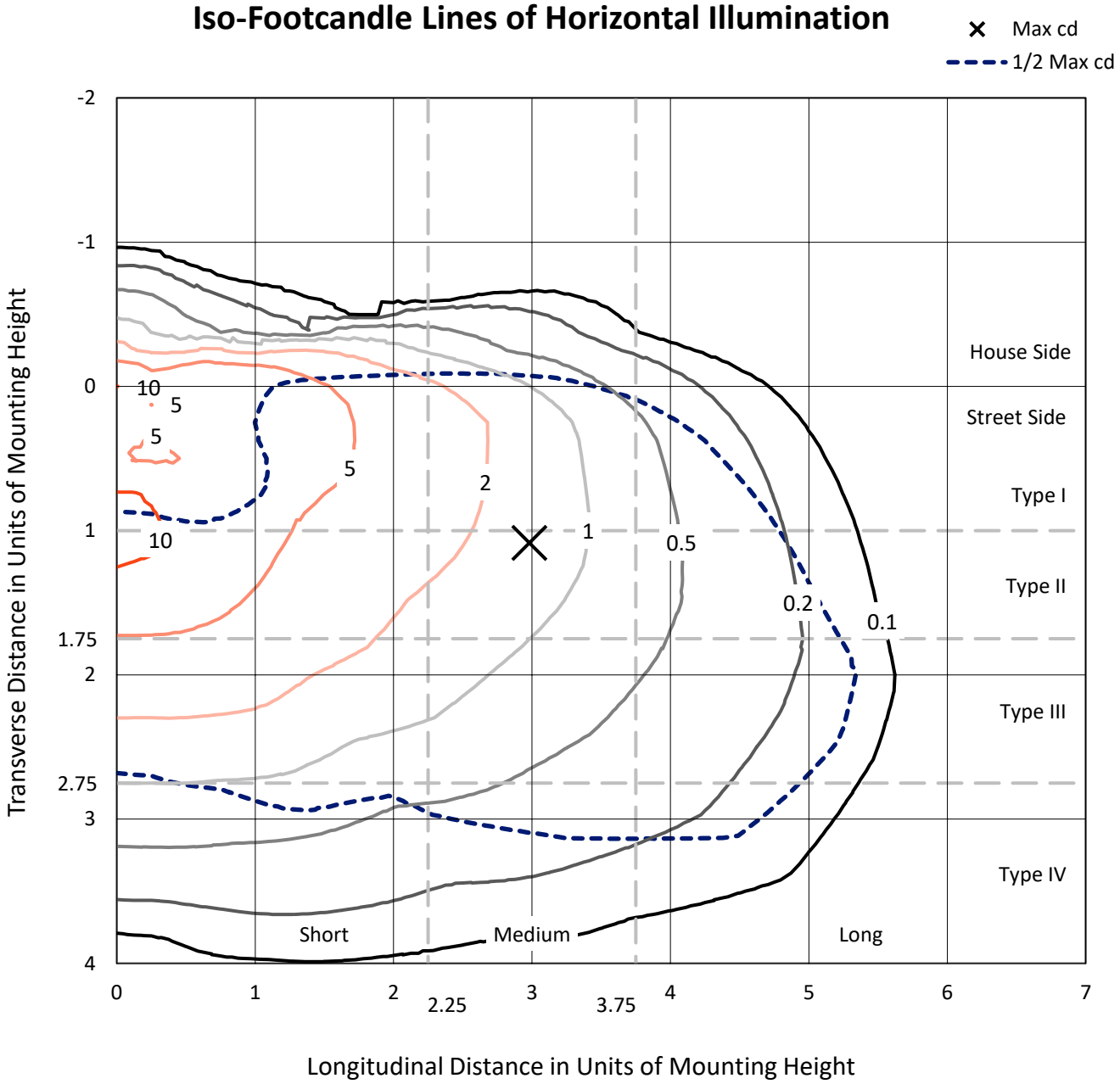
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type IV - Medium - N/A

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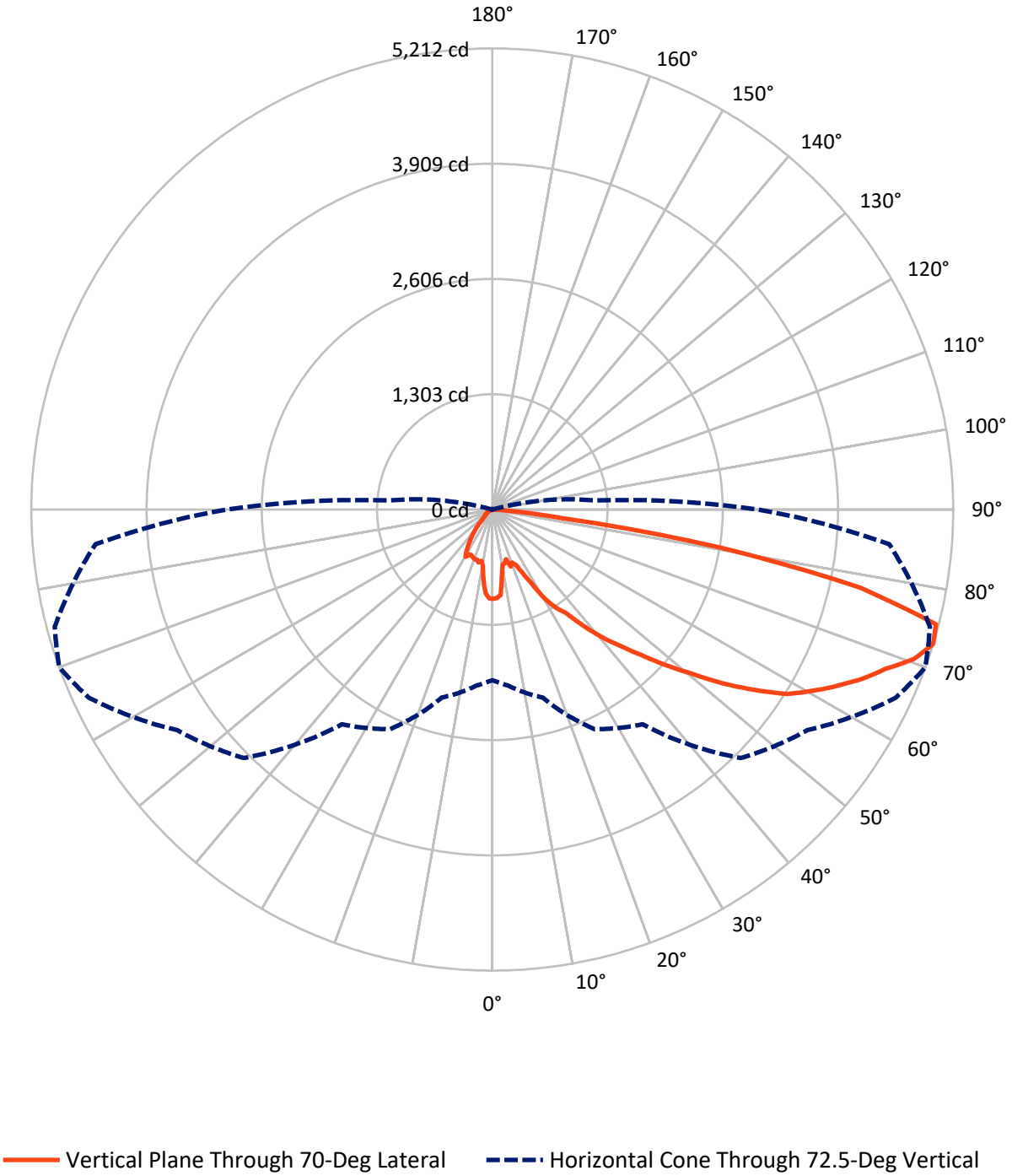
Luminous Intensity Polar Plot



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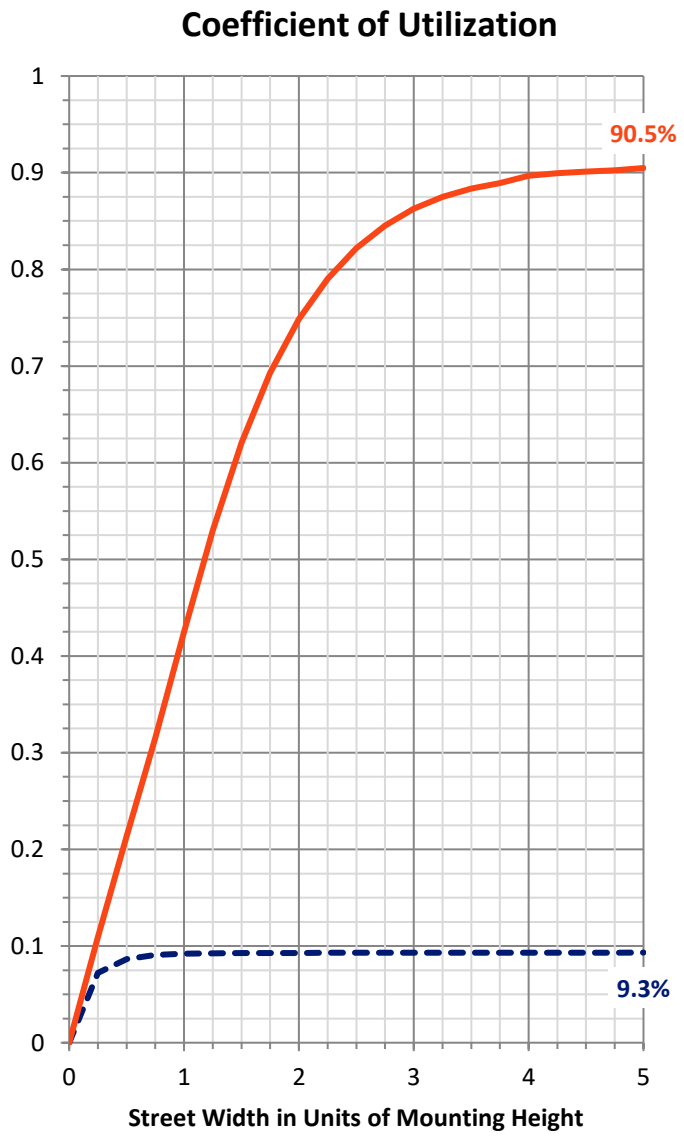
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.7	0.0	714.7
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	6866.0	0.0	6866.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	7580.7	0.0	7580.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.0
10°-20°	155.2	2.0
20°-30°	252.9	3.3
30°-40°	539.7	7.1
40°-50°	1039.9	13.7
50°-60°	1719.8	22.7
60°-70°	2105.1	27.8
70°-80°	1542.3	20.3
80°-90°	148.1	2.0
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°	7580.7	100.0
0°-180°	7580.7	100.0



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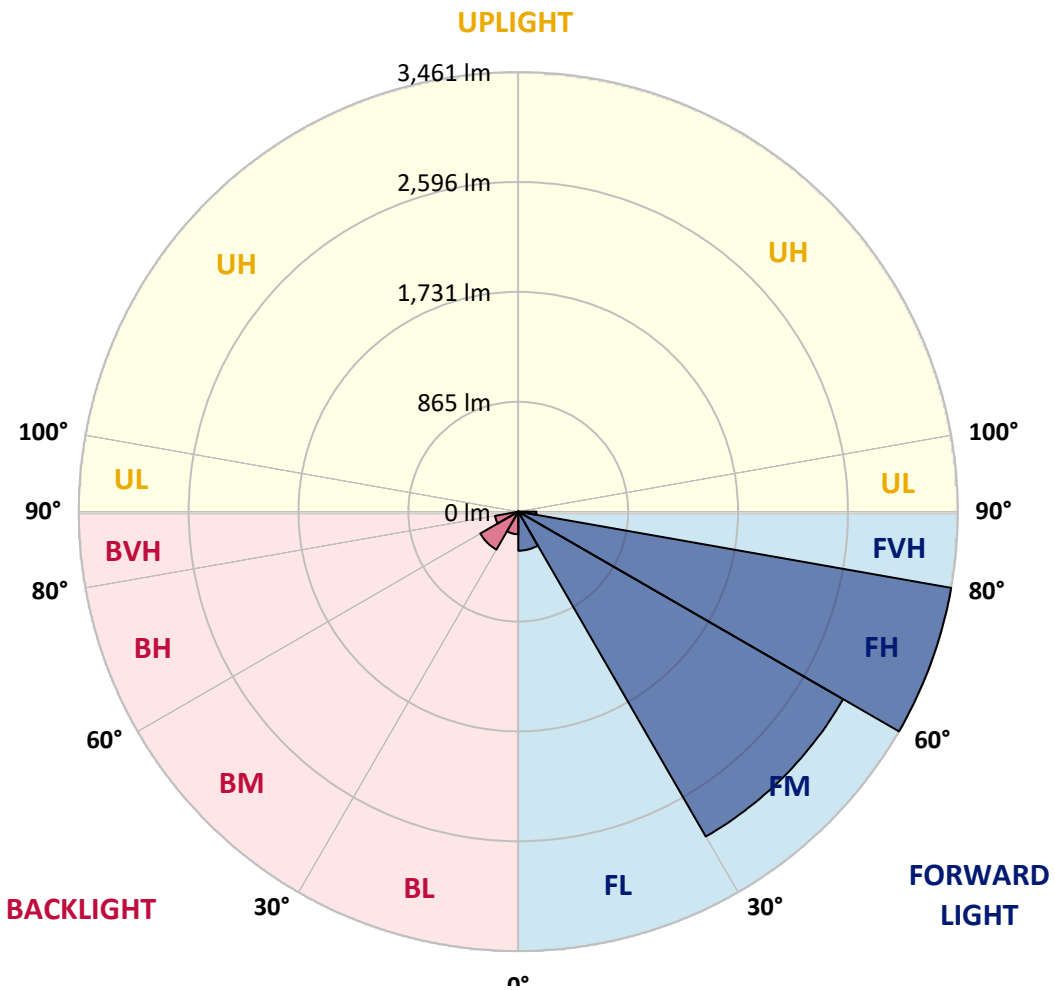
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	307.8	4.1			
FM	(30°-60°)	2954.0	39.0			
FH	(60°-80°)	3461.3	45.7			G2/5000
FVH	(80°-90°)	142.9	1.9			G2/225
BL	(0°-30°)	178.0	2.3	B1/500		
BM	(30°-60°)	345.4	4.6	B1/1000		
BH	(60°-80°)	186.1	2.5	B1/500		G1/500
BVH	(80°-90°)	5.2	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°	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8
2.5°	897.1	923.2	938.1	953.0	949.3	945.5	953.0	960.4	975.3	986.5	993.9
5°	807.8	807.8	807.8	807.8	811.5	811.5	811.5	811.5	815.2	819.0	822.7
7.5°	699.8	714.7	722.2	729.6	748.2	763.1	778.0	792.9	800.4	804.1	807.8
10°	759.4	759.4	759.4	759.4	763.1	763.1	714.7	662.6	666.3	670.1	647.7
12.5°	629.1	625.4	666.3	703.6	729.6	752.0	725.9	696.1	651.5	603.1	595.6
15°	740.8	740.8	740.8	740.8	688.7	636.6	599.3	562.1	591.9	618.0	558.4
17.5°	584.4	599.3	644.0	688.7	688.7	688.7	655.2	621.7	558.4	491.4	562.1
20°	725.9	725.9	725.9	722.2	636.6	550.9	580.7	606.8	632.8	658.9	647.7
22.5°	603.1	595.6	606.8	618.0	644.0	666.3	591.9	513.7	599.3	681.2	640.3
25°	763.1	763.1	766.9	766.9	685.0	603.1	651.5	696.1	632.8	569.6	670.1
27.5°	688.7	666.3	662.6	655.2	681.2	703.6	670.1	636.6	707.3	778.0	744.5
30°	956.7	956.7	930.6	904.6	804.1	699.8	711.0	718.5	718.5	718.5	792.9
32.5°	1329.0	1332.7	1232.2	1127.9	1038.6	945.5	863.6	778.0	822.7	867.4	915.8
35°	1790.6	1801.7	1731.0	1656.6	1436.9	1217.3	1079.6	941.8	938.1	930.6	1001.4
37.5°	2121.9	2144.2	2088.4	2032.5	1772.0	1511.4	1314.1	1116.8	1098.2	1075.8	1101.9
40°	2434.6	2419.7	2386.2	2349.0	2073.5	1794.3	1578.4	1358.7	1310.4	1258.2	1262.0
42.5°	2840.3	2795.7	2710.0	2624.4	2360.1	2095.8	1865.0	1634.2	1556.0	1477.9	1463.0
45°	3365.2	3290.8	3167.9	3041.4	2780.8	2520.2	2237.3	1950.6	1853.9	1753.3	1731.0
47.5°	3633.2	3581.1	3503.0	3421.1	3153.0	2885.0	2613.3	2337.8	2203.8	2066.0	2028.8
50°	3949.7	3882.7	3830.5	3774.7	3543.9	3309.4	3056.2	2799.4	2620.7	2442.0	2378.7
52.5°	4251.2	4139.5	4091.1	4039.0	3856.6	3670.5	3406.2	3141.9	3026.5	2907.3	2754.7
55°	4359.2	4251.2	4228.9	4206.5	4076.2	3945.9	3704.0	3462.0	3328.0	3190.3	3067.4
57.5°	4124.6	4139.5	4206.5	4273.5	4199.1	4124.6	3927.3	3726.3	3577.4	3428.5	3357.8
60°	3964.6	3998.1	4098.6	4199.1	4199.1	4199.1	4091.1	3983.2	3841.7	3700.3	3651.9
62.5°	3707.7	3748.6	3901.3	4053.9	4150.7	4247.5	4132.1	4016.7	3968.3	3916.2	3871.5
65°	3368.9	3380.1	3551.4	3722.6	3923.6	4120.9	4013.0	3901.3	3994.3	4087.4	4042.7
67.5°	2978.1	2996.7	3156.8	3313.1	3551.4	3789.6	3759.8	3726.3	3931.1	4135.8	4132.1
70°	2512.7	2546.3	2684.0	2818.0	3086.0	3350.3	3380.1	3409.9	3763.5	4113.5	4180.5
72.5°	*1928.3*	*1995.3*	*2099.5*	*2200.1*	*2471.8*	*2739.8*	*2851.5*	*2963.2*	*3469.5*	*3972.0*	*4161.9*
75°	640.3	685.0	975.3	1262.0	1537.4	1812.9	2058.6	2300.6	2933.4	3562.5	3957.1
77.5°	186.1	193.6	249.4	301.5	517.4	729.6	982.8	1232.2	1850.1	2464.4	3119.5
80°	96.8	100.5	111.7	122.8	178.7	234.5	338.8	439.3	722.2	1005.1	1693.8
82.5°	67.0	67.0	78.2	85.6	108.0	130.3	186.1	242.0	264.3	286.6	681.2
85°	22.3	22.3	29.8	37.2	52.1	67.0	100.5	130.3	130.3	126.6	182.4
87.5°	3.7	3.7	7.4	11.2	18.6	22.3	18.6	14.9	11.2	7.4	14.9
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°	1008.8	1008.8	1008.8	*1008.8*	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8
2.5°	997.7	1001.4	1001.4	*1001.4*	1005.1	1005.1	1005.1	1005.1	1001.4	1005.1	1005.1
5°	822.7	889.7	953.0	*971.6*	982.8	986.5	986.5	986.5	982.8	982.8	982.8
7.5°	811.5	807.8	804.1	*774.3*	845.0	859.9	871.1	867.4	867.4	848.8	826.4
10°	625.4	625.4	625.4	*632.8*	673.8	722.2	770.6	770.6	770.6	714.7	658.9
12.5°	584.4	606.8	625.4	*625.4*	558.4	614.2	670.1	670.1	670.1	614.2	554.7
15°	498.8	524.9	547.2	*584.4*	696.1	763.1	830.1	830.1	826.4	763.1	696.1
17.5°	629.1	621.7	610.5	*677.5*	636.6	647.7	658.9	625.4	673.8	655.2	636.6
20°	636.6	569.6	498.8	*640.3*	785.5	848.8	912.0	915.8	904.6	833.9	759.4
22.5°	599.3	685.0	766.9	*677.5*	699.8	685.0	666.3	658.9	658.9	655.2	651.5
25°	766.9	685.0	603.1	*792.9*	926.9	971.6	1016.3	1005.1	990.2	889.7	789.2
27.5°	707.3	789.2	867.4	*941.8*	1008.8	1049.8	1090.7	1206.1	1049.8	934.4	815.2
30°	863.6	964.2	1060.9	*1168.9*	1373.6	1433.2	1492.8	1463.0	1425.8	1202.4	979.0
32.5°	960.4	1120.5	1276.8	*1325.2*	1448.1	1503.9	1556.0	1530.0	1485.3	1191.2	897.1
35°	1068.4	1217.3	1362.5	*1440.6*	1589.5	1634.2	1675.2	1634.2	1585.8	1180.1	774.3
37.5°	1127.9	1329.0	1526.3	*1660.3*	1786.8	1798.0	1805.5	1768.2	1704.9	1180.1	655.2
40°	1265.7	1481.6	1693.8	*1887.4*	1987.9	1991.6	1995.3	1935.7	1820.3	1168.9	513.7
42.5°	1448.1	1667.7	1883.6	*2095.8*	2229.8	2218.7	2203.8	2121.9	1932.0	1150.3	368.5
45°	1708.7	1902.2	2095.8	*2334.1*	2497.9	2468.1	2434.6	2311.7	2010.2	1131.7	249.4
47.5°	1987.9	2140.5	2289.4	*2617.0*	2825.4	2762.2	2695.2	2516.5	2066.0	1124.2	178.7
50°	2311.7	2434.6	2557.4	*2914.8*	3164.2	3045.1	2926.0	2721.2	2088.4	1116.8	141.5
52.5°	2598.4	2724.9	2847.8	*3264.7*	3454.6	3320.6	3186.5	2881.3	2077.2	1101.9	122.8
55°	2940.8	3052.5	3164.2	*3599.7*	3752.4	3573.7	3391.3	2996.7	2021.4	1068.4	111.7
57.5°	3283.3	3398.7	3510.4	*3934.8*	3979.4	3804.5	3625.8	3108.4	1965.5	1034.9	100.5
60°	3603.5	3733.8	3864.0	*4161.9*	4195.4	4039.0	3882.7	3216.3	1876.2	982.8	89.3
62.5°	3826.8	4005.5	4184.2	*4385.2*	4400.1	4258.6	4113.5	3298.2	1760.8	923.2	81.9
65°	3994.3	4240.0	4482.0	*4604.8*	4597.4	4496.9	4396.4	3368.9	1667.7	867.4	67.0
67.5°	4124.6	4422.4	4720.2	*4802.1*	4820.8	4727.7	4634.6	3380.1	1552.3	804.1	52.1
70°	4247.5	4575.1	4902.7	*5059.0*	5021.8	4876.6	4731.4	3294.5	1396.0	718.5	37.2
72.5°	*4348.0*	*4690.5*	*5032.9*	*5211.6*	*5122.3*	*4813.3*	*4504.3*	*3004.1*	*1168.9*	*599.3*	*26.1*
75°	4348.0	4690.5	5029.2	*5181.8*	4876.6	4262.4	3644.4	2237.3	685.0	353.6	22.3
77.5°	3774.7	4024.1	4273.5	*4251.2*	3715.1	2952.0	2185.2	1288.0	230.8	126.6	18.6
80°	2382.5	2546.3	2710.0	*2628.1*	1898.5	1362.5	822.7	431.8	81.9	48.4	14.9
82.5°	1075.8	1057.2	1038.6	*800.4*	372.3	249.4	122.8	74.5	22.3	14.9	7.4
85°	238.2	230.8	223.4	*163.8*	111.7	74.5	37.2	22.3	11.2	11.2	7.4
87.5°	22.3	26.1	26.1	*18.6*	18.6	14.9	7.4	7.4	7.4	7.4	7.4
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-PA1-90-750-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8	1008.8
2.5°	1005.1	1005.1	1005.1	1001.4	1001.4	1001.4	975.3	945.5	926.9	904.6	893.4
5°	949.3	915.8	874.8	833.9	826.4	815.2	819.0	819.0	822.7	822.7	822.7
7.5°	807.8	789.2	796.6	804.1	804.1	804.1	804.1	800.4	796.6	792.9	755.7
10°	644.0	629.1	629.1	629.1	640.3	647.7	629.1	606.8	640.3	670.1	662.6
12.5°	591.9	629.1	580.7	528.6	536.1	539.8	539.8	536.1	521.2	506.3	454.2
15°	618.0	539.8	495.1	446.7	446.7	446.7	361.1	275.5	256.9	238.2	242.0
17.5°	591.9	547.2	495.1	439.3	331.3	219.6	208.5	193.6	193.6	193.6	197.3
20°	595.6	431.8	364.8	297.8	238.2	175.0	163.8	148.9	141.5	130.3	152.6
22.5°	584.4	513.7	349.9	186.1	163.8	141.5	130.3	115.4	134.0	152.6	152.6
25°	565.8	338.8	253.1	163.8	137.7	111.7	126.6	137.7	130.3	119.1	137.7
27.5°	569.6	320.1	219.6	119.1	126.6	130.3	122.8	111.7	122.8	130.3	122.8
30°	614.2	249.4	186.1	119.1	115.4	108.0	111.7	115.4	111.7	104.2	111.7
32.5°	547.2	197.3	156.3	111.7	108.0	104.2	100.5	96.8	100.5	100.5	100.5
35°	461.6	148.9	126.6	104.2	96.8	89.3	89.3	85.6	85.6	85.6	85.6
37.5°	390.9	126.6	111.7	93.1	85.6	78.2	74.5	67.0	67.0	63.3	63.3
40°	316.4	115.4	100.5	81.9	74.5	63.3	59.6	52.1	52.1	48.4	48.4
42.5°	238.2	104.2	89.3	70.7	63.3	52.1	44.7	37.2	37.2	33.5	33.5
45°	171.2	93.1	78.2	59.6	52.1	40.9	33.5	26.1	26.1	22.3	22.3
47.5°	134.0	85.6	70.7	52.1	40.9	29.8	26.1	18.6	18.6	18.6	18.6
50°	108.0	74.5	59.6	40.9	29.8	18.6	14.9	11.2	11.2	11.2	11.2
52.5°	96.8	67.0	52.1	33.5	26.1	14.9	11.2	7.4	11.2	11.2	11.2
55°	85.6	59.6	44.7	26.1	18.6	11.2	11.2	7.4	11.2	11.2	11.2
57.5°	78.2	52.1	37.2	18.6	14.9	7.4	7.4	3.7	7.4	7.4	7.4
60°	67.0	44.7	29.8	14.9	11.2	3.7	3.7	3.7	7.4	7.4	7.4
62.5°	59.6	37.2	26.1	11.2	7.4	3.7	3.7	3.7	7.4	7.4	7.4
65°	48.4	26.1	18.6	7.4	7.4	3.7	3.7	3.7	7.4	7.4	7.4
67.5°	37.2	18.6	14.9	7.4	7.4	3.7	3.7	3.7	7.4	7.4	3.7
70°	26.1	14.9	11.2	3.7	3.7	3.7	3.7	3.7	7.4	7.4	3.7
72.5°	*18.6*	*11.2*	*7.4*	*3.7*	*3.7*	*0.0*	*3.7*	*3.7*	*7.4*	*7.4*	*7.4*
75°	18.6	11.2	7.4	3.7	3.7	0.0	3.7	7.4	7.4	7.4	7.4
77.5°	14.9	7.4	7.4	3.7	3.7	0.0	3.7	7.4	7.4	7.4	7.4
80°	11.2	7.4	7.4	3.7	3.7	0.0	7.4	11.2	11.2	11.2	7.4
82.5°	7.4	7.4	7.4	3.7	3.7	0.0	7.4	11.2	11.2	11.2	7.4
85°	7.4	7.4	7.4	7.4	3.7	0.0	7.4	11.2	11.2	11.2	11.2
87.5°	7.4	7.4	7.4	7.4	7.4	3.7	11.2	14.9	14.9	11.2	11.2
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: P561292
CATALOG NUMBER: SDL-PA1-90-750-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1008.8	1008.8	1008.8	1008.8
2.5°	878.5	878.5	874.8	886.0
5°	822.7	822.7	822.7	826.4
7.5°	714.7	688.7	662.6	666.3
10°	651.5	644.0	632.8	640.3
12.5°	402.0	379.7	353.6	342.5
15°	245.7	245.7	245.7	242.0
17.5°	201.0	186.1	167.5	171.2
20°	175.0	178.7	182.4	182.4
22.5°	152.6	145.2	137.7	137.7
25°	152.6	152.6	152.6	152.6
27.5°	115.4	115.4	111.7	111.7
30°	119.1	119.1	115.4	111.7
32.5°	96.8	96.8	96.8	96.8
35°	81.9	78.2	74.5	74.5
37.5°	63.3	59.6	55.8	55.8
40°	44.7	44.7	40.9	40.9
42.5°	33.5	33.5	29.8	29.8
45°	22.3	22.3	22.3	22.3
47.5°	14.9	14.9	14.9	14.9
50°	11.2	11.2	11.2	11.2
52.5°	11.2	11.2	7.4	7.4
55°	7.4	7.4	7.4	7.4
57.5°	7.4	7.4	7.4	7.4
60°	7.4	7.4	3.7	3.7
62.5°	3.7	3.7	3.7	3.7
65°	3.7	3.7	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°	*3.7*	*3.7*	*0.0*	*0.0*
75°	3.7	3.7	0.0	0.0
77.5°	3.7	3.7	0.0	0.0
80°	3.7	3.7	0.0	0.0
82.5°	3.7	3.7	3.7	0.0
85°	7.4	7.4	3.7	0.0
87.5°	7.4	7.4	3.7	0.0
90°	0.0	0.0	0.0	0.0

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