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: P560548

Luminaire Tested: **SDL-PA1-50-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560548
	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-PA1-50-730-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 670mA 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:	4244.1 lumens
Efficiency:	N/A
Efficacy:	81.0 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:	B0 - 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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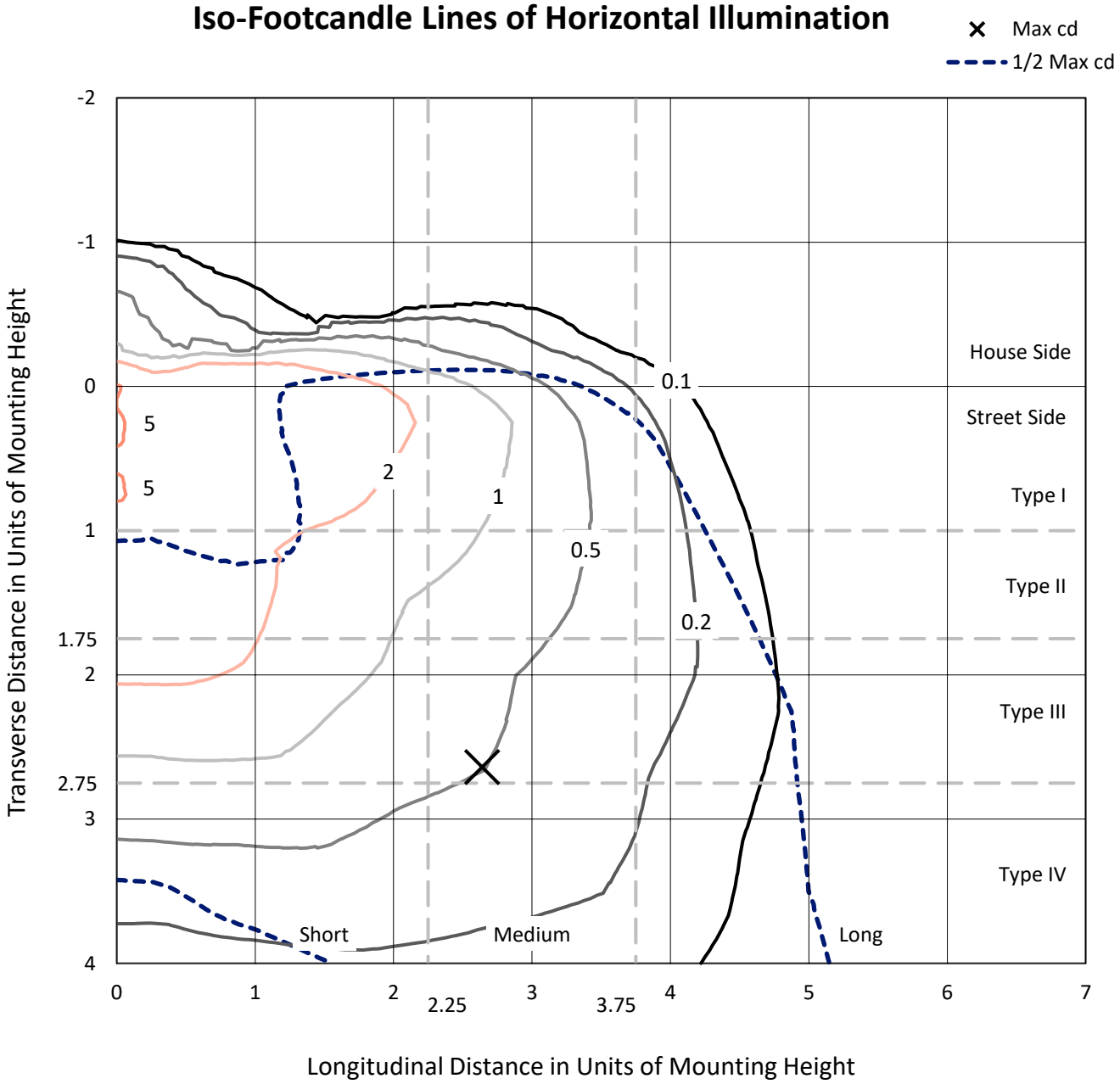
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Medium - N/A

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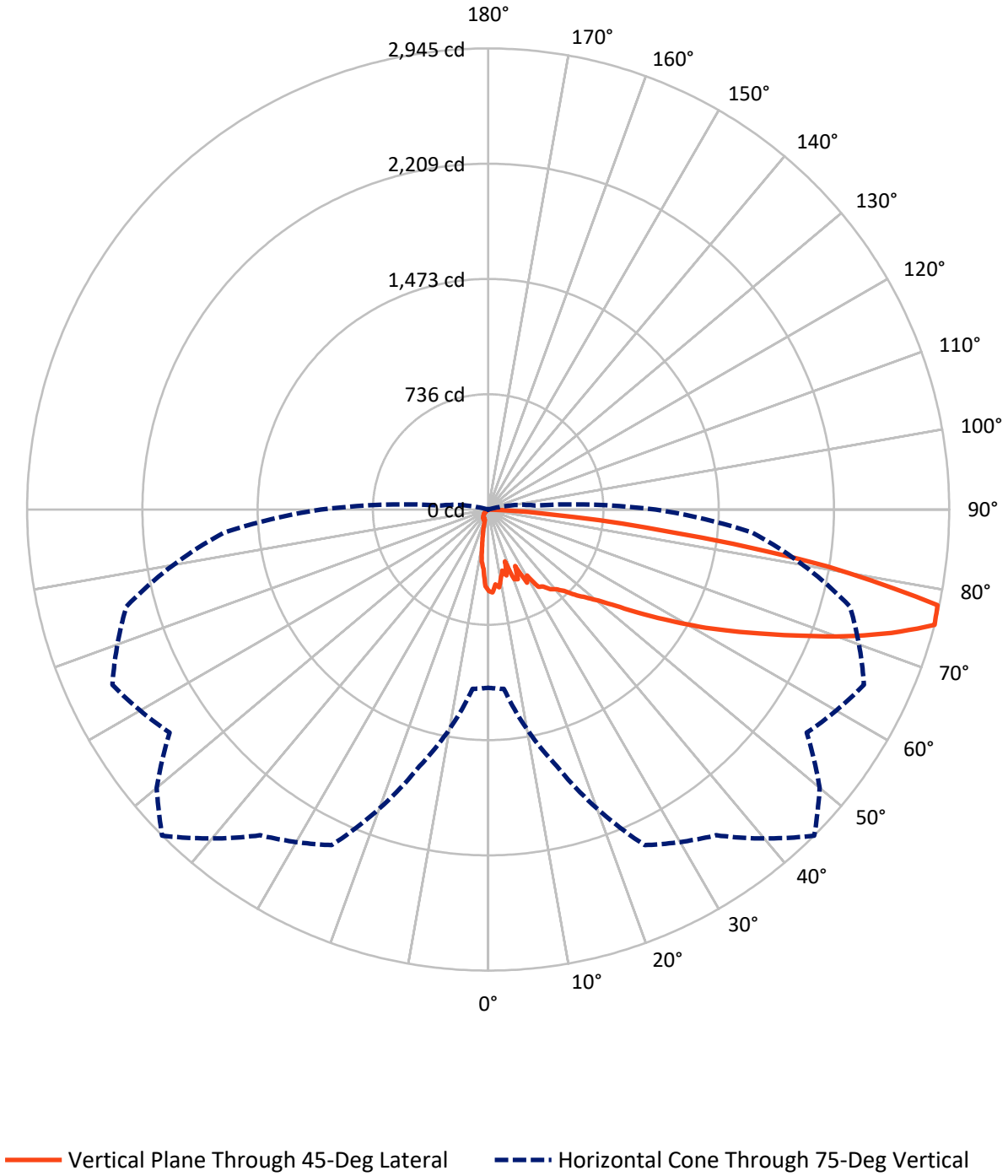
Luminous Intensity Polar Plot



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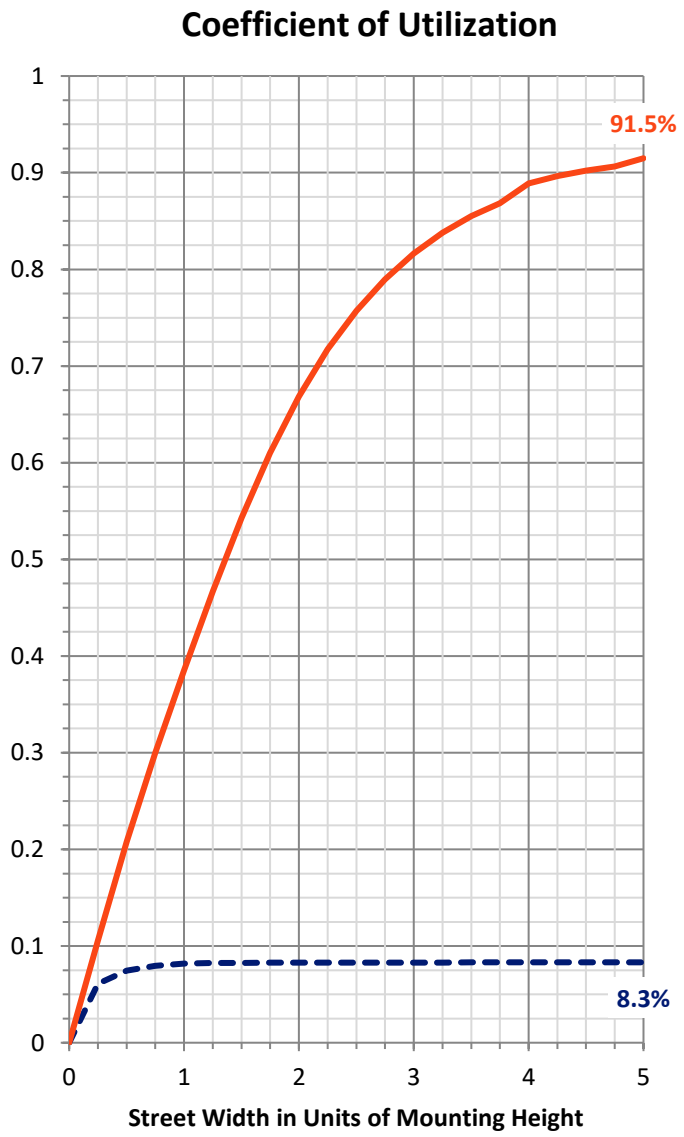
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.3	0.0	356.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3887.8	0.0	3887.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	4244.1	0.0	4244.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	1.0
10°-20°	88.8	2.1
20°-30°	150.2	3.5
30°-40°	276.6	6.5
40°-50°	454.0	10.7
50°-60°	808.0	19.0
60°-70°	1209.0	28.5
70°-80°	1076.4	25.4
80°-90°	140.6	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°	4244.1	100.0
0°-180°	4244.1	100.0



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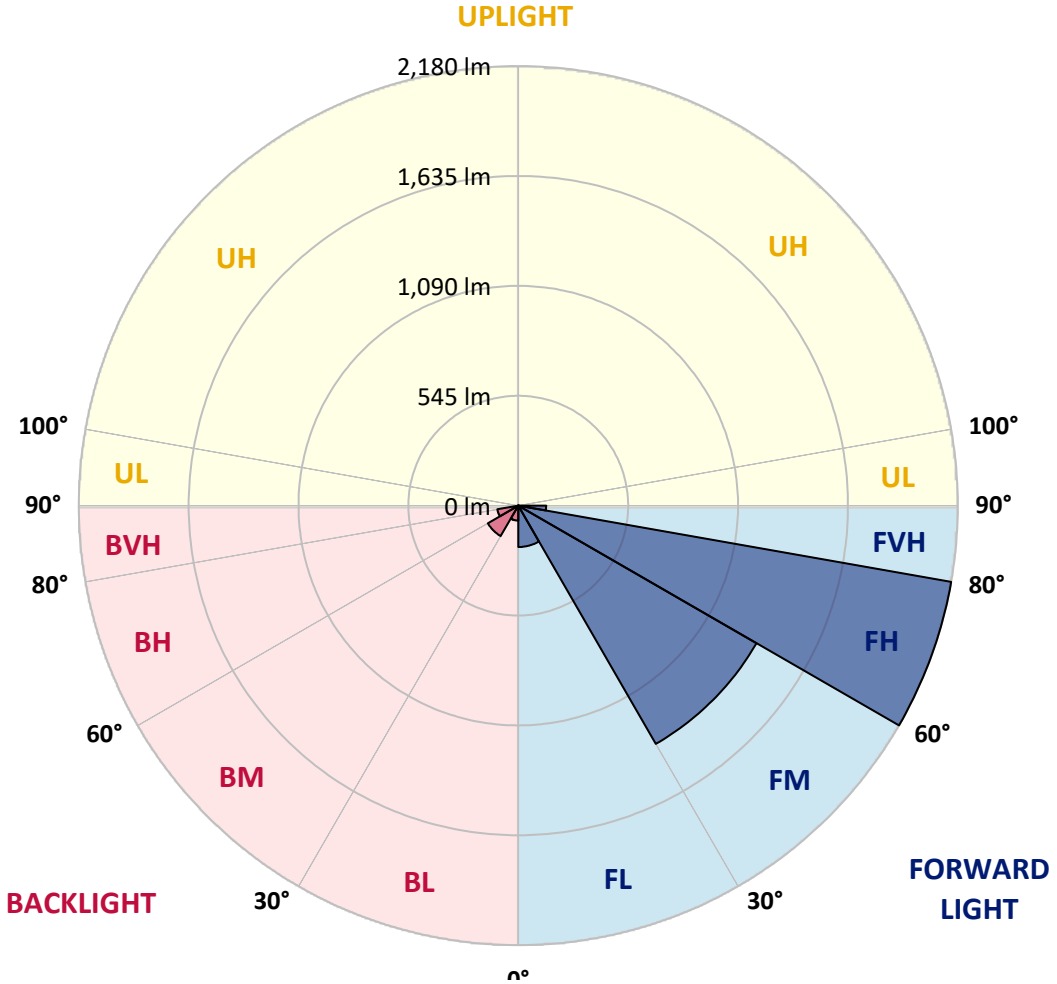
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	205.1	4.8			
FM	(30°-60°)	1364.3	32.1			
FH	(60°-80°)	2179.9	51.4			G2/5000
FVH	(80°-90°)	138.5	3.3			G2/225
BL	(0°-30°)	74.3	1.8	B0/110		
BM	(30°-60°)	174.3	4.1	B0/220		
BH	(60°-80°)	105.5	2.5	B0/110		G0/110
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	*520.4*	520.4
2.5°	484.1	520.4	524.6	526.8	531.0	533.2	533.2	533.2	533.2	*531.0*	531.0
5°	511.8	509.7	507.6	505.4	503.3	499.1	494.8	488.4	484.1	*479.9*	475.6
7.5°	501.2	503.3	509.7	514.0	511.8	509.7	514.0	516.1	509.7	*501.2*	492.7
10°	584.4	580.1	575.8	571.6	565.2	558.8	507.6	456.4	452.1	*445.7*	441.5
12.5°	511.8	575.8	575.8	575.8	575.8	575.8	541.7	507.6	454.3	*400.9*	339.1
15°	639.8	637.7	629.1	620.6	563.0	503.3	471.3	439.3	439.3	*437.2*	411.6
17.5°	531.0	531.0	573.7	614.2	590.8	567.3	522.5	477.7	413.7	*347.6*	373.2
20°	671.8	671.8	663.3	654.7	556.6	458.5	462.8	467.1	471.3	*475.6*	394.5
22.5°	552.4	548.1	543.8	539.6	550.2	560.9	473.5	383.9	435.1	*484.1*	377.5
25°	673.9	680.3	676.1	669.7	582.2	494.8	514.0	531.0	464.9	*398.8*	462.8
27.5°	578.0	571.6	563.0	552.4	558.8	565.2	524.6	482.0	505.4	*528.9*	424.4
30°	708.1	710.2	705.9	701.7	618.5	535.3	533.2	528.9	509.7	*488.4*	477.7
32.5°	876.5	859.5	799.8	740.0	688.9	637.7	597.2	556.6	573.7	*588.6*	531.0
35°	957.6	925.6	900.0	872.3	787.0	699.5	650.5	599.3	601.4	*603.6*	580.1
37.5°	1036.5	989.6	957.6	925.6	823.2	720.9	667.5	614.2	631.3	*646.2*	620.6
40°	1064.2	1038.6	1019.4	1000.2	891.5	780.6	718.7	654.7	663.3	*669.7*	661.1
42.5°	1134.6	1130.3	1119.7	1106.9	976.8	844.5	769.9	695.3	703.8	*710.2*	705.9
45°	1303.1	1296.7	1296.7	1294.5	1126.1	955.4	857.3	759.2	767.8	*776.3*	772.0
47.5°	1520.6	1510.0	1497.2	1482.2	1303.1	1121.8	981.0	838.2	838.2	*838.2*	844.5
50°	1748.8	1733.9	1706.2	1676.3	1495.0	1313.7	1134.6	955.4	936.3	*914.9*	938.4
52.5°	1985.5	1960.0	1913.0	1864.0	1704.0	1544.1	1341.5	1136.7	1079.1	*1019.4*	1049.3
55°	2113.5	2085.8	2053.8	2019.7	1889.6	1757.3	1550.5	1343.6	1254.0	*1162.3*	1194.3
57.5°	2218.0	2211.6	2196.7	2181.8	2081.5	1981.3	1774.4	1565.4	1443.8	*1322.3*	1350.0
60°	2360.9	2352.4	2358.8	2365.2	2288.4	2211.6	2015.4	1817.1	1661.4	*1503.6*	1495.0
62.5°	2467.5	2465.4	2497.4	2529.4	2488.9	2446.2	2226.5	2004.7	1853.3	*1699.8*	1657.1
65°	2369.4	2397.2	2516.6	2636.0	2629.6	2621.1	2416.3	2209.5	2060.2	*1908.8*	1853.3
67.5°	2162.6	2175.4	2352.4	2527.2	2604.0	2678.7	2533.6	2386.5	2269.2	*2149.8*	2047.4
70°	1968.5	1996.2	2151.9	2307.6	2505.9	2704.3	2589.1	2473.9	2450.5	*2424.9*	2292.7
72.5°	1780.8	1829.9	1974.9	2119.9	2384.4	2646.7	2578.4	2510.2	2601.9	*2693.6*	2535.8
75°	*1138.9*	*1149.5*	*1424.6*	*1697.6*	*2032.5*	*2365.2*	*2452.6*	*2540.0*	*2742.7*	*2945.3*	*2764.0*
77.5°	332.7	369.0	575.8	782.7	1166.6	1548.3	1846.9	2145.5	2540.0	*2934.6*	2712.8
80°	113.0	121.6	151.4	179.1	383.9	588.6	934.1	1277.5	1736.0	*2194.5*	2038.9
82.5°	55.5	57.6	72.5	85.3	130.1	174.9	351.9	526.8	850.9	*1173.0*	1200.7
85°	17.1	17.1	25.6	34.1	55.5	76.8	132.2	185.5	294.3	*400.9*	339.1
87.5°	4.3	4.3	6.4	8.5	12.8	17.1	17.1	17.1	12.8	*8.5*	10.7
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°	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4
2.5°	533.2	533.2	533.2	531.0	526.8	524.6	520.4	516.1	511.8	509.7	505.4
5°	469.2	496.9	522.5	524.6	524.6	518.2	511.8	505.4	499.1	492.7	486.3
7.5°	482.0	467.1	452.1	454.3	456.4	454.3	450.0	439.3	430.8	413.7	394.5
10°	386.0	375.4	362.6	366.8	371.1	381.8	392.4	383.9	371.1	339.1	305.0
12.5°	379.6	377.5	373.2	341.2	307.1	324.2	339.1	330.6	317.8	285.8	251.7
15°	324.2	326.3	326.3	358.3	390.3	403.1	413.7	403.1	388.2	345.5	300.7
17.5°	418.0	396.7	375.4	362.6	347.6	351.9	356.2	309.2	324.2	296.4	266.6
20°	432.9	362.6	292.2	349.8	407.3	426.5	445.7	435.1	415.9	347.6	277.3
22.5°	394.5	420.1	445.7	409.5	373.2	349.8	324.2	313.5	300.7	270.9	241.0
25°	488.4	418.0	345.5	413.7	479.9	484.1	488.4	469.2	447.9	362.6	277.3
27.5°	437.2	460.7	482.0	496.9	511.8	531.0	550.2	528.9	477.7	377.5	275.1
30°	520.4	552.4	584.4	633.4	682.5	697.4	710.2	686.7	646.2	477.7	307.1
32.5°	543.8	607.8	671.8	691.0	708.1	727.3	746.4	727.3	678.2	473.5	266.6
35°	607.8	652.6	695.3	725.1	755.0	772.0	789.1	776.3	710.2	467.1	223.9
37.5°	627.0	686.7	744.3	778.4	810.4	825.4	838.2	838.2	744.3	462.8	179.1
40°	656.9	731.5	806.2	838.2	868.0	891.5	912.8	921.3	782.7	460.7	136.5
42.5°	716.6	782.7	848.8	900.0	949.1	983.2	1017.3	1023.7	827.5	467.1	104.5
45°	780.6	850.9	921.3	989.6	1057.8	1106.9	1153.8	1149.5	880.8	484.1	85.3
47.5°	872.3	938.4	1004.5	1119.7	1232.7	1279.6	1324.4	1294.5	936.3	505.4	74.6
50°	966.1	1047.2	1128.2	1275.4	1420.4	1463.0	1503.6	1441.7	989.6	531.0	70.4
52.5°	1087.7	1183.6	1279.6	1448.1	1616.6	1655.0	1693.4	1567.5	1030.1	548.1	66.1
55°	1230.6	1354.3	1478.0	1637.9	1795.7	1840.5	1885.3	1691.2	1049.3	556.6	64.0
57.5°	1403.3	1546.2	1687.0	1834.1	1979.1	2041.0	2100.7	1812.8	1057.8	558.8	59.7
60°	1571.8	1729.6	1887.4	2013.3	2139.1	2235.1	2328.9	1932.2	1053.6	554.5	53.3
62.5°	1727.5	1902.4	2075.1	2192.4	2309.7	2424.9	2540.0	2028.2	1025.8	535.3	42.7
65°	1889.6	2075.1	2258.5	2360.9	2463.3	2612.6	2759.7	2111.4	987.4	509.7	29.9
67.5°	2036.7	2213.7	2390.8	2505.9	2621.1	2768.2	2913.3	2132.7	932.0	477.7	21.3
70°	2160.4	2352.4	2542.2	2659.5	2776.8	2851.4	2923.9	2038.9	821.1	418.0	14.9
72.5°	2331.0	2503.8	2674.4	2734.1	2791.7	2661.6	2529.4	1699.8	616.4	315.6	12.8
75°	*2484.6*	*2567.8*	*2648.8*	*2520.9*	*2392.9*	*2043.1*	*1693.4*	*1070.6*	*300.7*	*157.8*	*12.8*
77.5°	2328.9	2284.1	2239.3	1846.9	1452.4	1079.1	703.8	420.1	93.8	51.2	8.5
80°	1687.0	1482.2	1275.4	882.9	488.4	326.3	162.1	93.8	23.5	14.9	6.4
82.5°	908.5	701.7	492.7	317.8	142.9	96.0	46.9	32.0	10.7	8.5	4.3
85°	328.4	260.2	189.8	147.2	104.5	61.8	17.1	10.7	6.4	6.4	4.3
87.5°	29.9	34.1	38.4	29.9	19.2	12.8	4.3	4.3	4.3	4.3	2.1
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-PA1-50-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4	520.4
2.5°	503.3	501.2	499.1	494.8	492.7	490.5	475.6	460.7	443.6	426.5	426.5
5°	458.5	430.8	415.9	400.9	390.3	379.6	377.5	373.2	369.0	364.7	362.6
7.5°	383.9	373.2	364.7	356.2	345.5	334.8	324.2	313.5	305.0	296.4	277.3
10°	287.9	270.9	258.1	245.3	238.9	230.3	217.5	202.6	202.6	202.6	200.5
12.5°	249.5	247.4	215.4	181.3	170.6	160.0	157.8	155.7	151.4	145.0	136.5
15°	247.4	191.9	164.2	134.4	128.0	119.4	106.6	91.7	89.6	85.3	96.0
17.5°	223.9	181.3	149.3	117.3	93.8	70.4	74.6	76.8	87.4	96.0	102.4
20°	202.6	128.0	106.6	83.2	76.8	68.2	72.5	76.8	74.6	70.4	81.0
22.5°	189.8	136.5	100.2	64.0	68.2	72.5	68.2	61.8	72.5	83.2	89.6
25°	183.4	87.4	78.9	68.2	64.0	59.7	68.2	74.6	70.4	66.1	78.9
27.5°	181.3	87.4	74.6	59.7	64.0	68.2	66.1	61.8	70.4	76.8	74.6
30°	194.1	78.9	70.4	61.8	59.7	57.6	61.8	66.1	66.1	64.0	74.6
32.5°	172.7	78.9	70.4	59.7	59.7	57.6	57.6	57.6	64.0	70.4	74.6
35°	149.3	72.5	66.1	57.6	55.5	53.3	55.5	55.5	61.8	66.1	74.6
37.5°	123.7	68.2	61.8	53.3	51.2	49.1	49.1	46.9	53.3	59.7	66.1
40°	100.2	64.0	57.6	49.1	46.9	44.8	44.8	44.8	49.1	51.2	55.5
42.5°	83.2	59.7	53.3	44.8	42.7	40.5	40.5	38.4	40.5	42.7	44.8
45°	72.5	57.6	51.2	42.7	40.5	36.3	34.1	32.0	32.0	32.0	32.0
47.5°	64.0	53.3	49.1	42.7	38.4	32.0	29.9	25.6	23.5	21.3	19.2
50°	59.7	49.1	44.8	38.4	34.1	27.7	23.5	19.2	17.1	12.8	12.8
52.5°	55.5	44.8	40.5	34.1	27.7	21.3	17.1	10.7	10.7	8.5	8.5
55°	53.3	42.7	36.3	29.9	23.5	14.9	10.7	6.4	6.4	4.3	4.3
57.5°	51.2	40.5	34.1	25.6	17.1	8.5	6.4	4.3	4.3	4.3	4.3
60°	44.8	36.3	27.7	17.1	10.7	4.3	4.3	2.1	4.3	4.3	4.3
62.5°	36.3	27.7	19.2	10.7	6.4	2.1	2.1	2.1	4.3	4.3	4.3
65°	25.6	19.2	12.8	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1
67.5°	19.2	14.9	10.7	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
70°	12.8	10.7	8.5	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	10.7	8.5	6.4	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1
75°	*10.7*	*8.5*	*6.4*	*2.1*	*2.1*	*0.0*	*2.1*	*2.1*	*2.1*	*2.1*	*2.1*
77.5°	8.5	6.4	4.3	2.1	2.1	0.0	2.1	4.3	4.3	4.3	4.3
80°	6.4	4.3	4.3	2.1	2.1	0.0	2.1	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	2.1	2.1	0.0	4.3	6.4	6.4	4.3	4.3
85°	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4	6.4	4.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4	6.4	4.3
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: P560548
CATALOG NUMBER: SDL-PA1-50-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	520.4	520.4	520.4	520.4
2.5°	424.4	424.4	422.3	422.3
5°	358.3	358.3	356.2	356.2
7.5°	258.1	253.8	247.4	249.5
10°	198.3	194.1	189.8	194.1
12.5°	128.0	130.1	130.1	123.7
15°	104.5	113.0	119.4	119.4
17.5°	108.8	108.8	106.6	106.6
20°	91.7	100.2	108.8	108.8
22.5°	93.8	89.6	85.3	85.3
25°	89.6	96.0	100.2	100.2
27.5°	72.5	74.6	76.8	76.8
30°	83.2	87.4	89.6	89.6
32.5°	78.9	83.2	85.3	87.4
35°	81.0	85.3	87.4	87.4
37.5°	72.5	74.6	76.8	76.8
40°	57.6	59.7	61.8	61.8
42.5°	44.8	44.8	42.7	44.8
45°	29.9	29.9	27.7	29.9
47.5°	17.1	17.1	17.1	17.1
50°	10.7	10.7	10.7	10.7
52.5°	6.4	6.4	6.4	6.4
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	2.1	2.1
60°	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	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°	*2.1*	*2.1*	*0.0*	*0.0*
77.5°	2.1	2.1	0.0	0.0
80°	2.1	2.1	0.0	0.0
82.5°	2.1	2.1	0.0	0.0
85°	2.1	2.1	2.1	0.0
87.5°	2.1	2.1	2.1	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)