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: P560372

Luminaire Tested: **SDL-PA1-40-730-U-T4W-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:	P560372
	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-PA1-40-730-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 500mA 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:	3271 lumens
Efficiency:	N/A
Efficacy:	83.0 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):	39.4
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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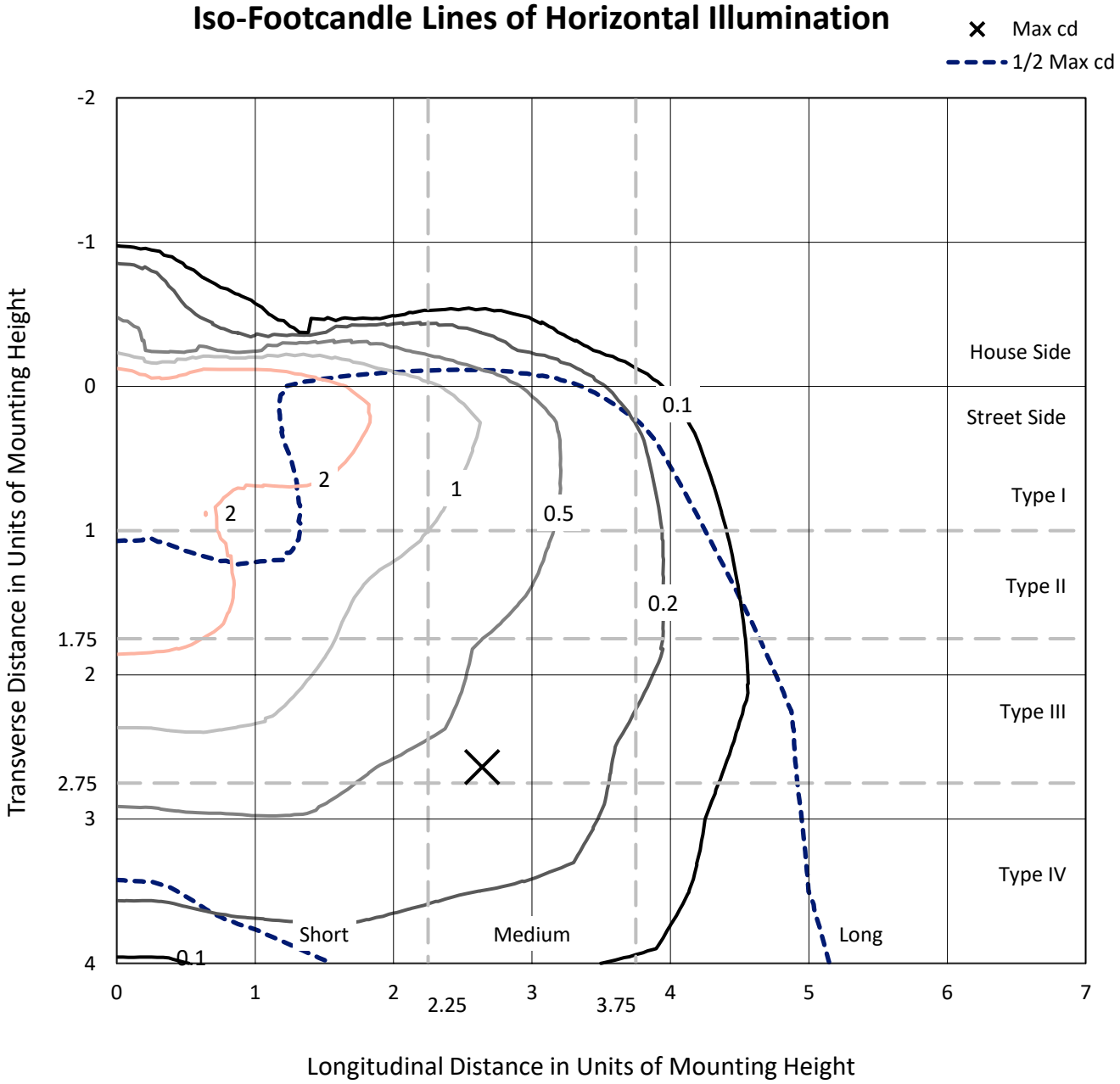
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Medium - N/A

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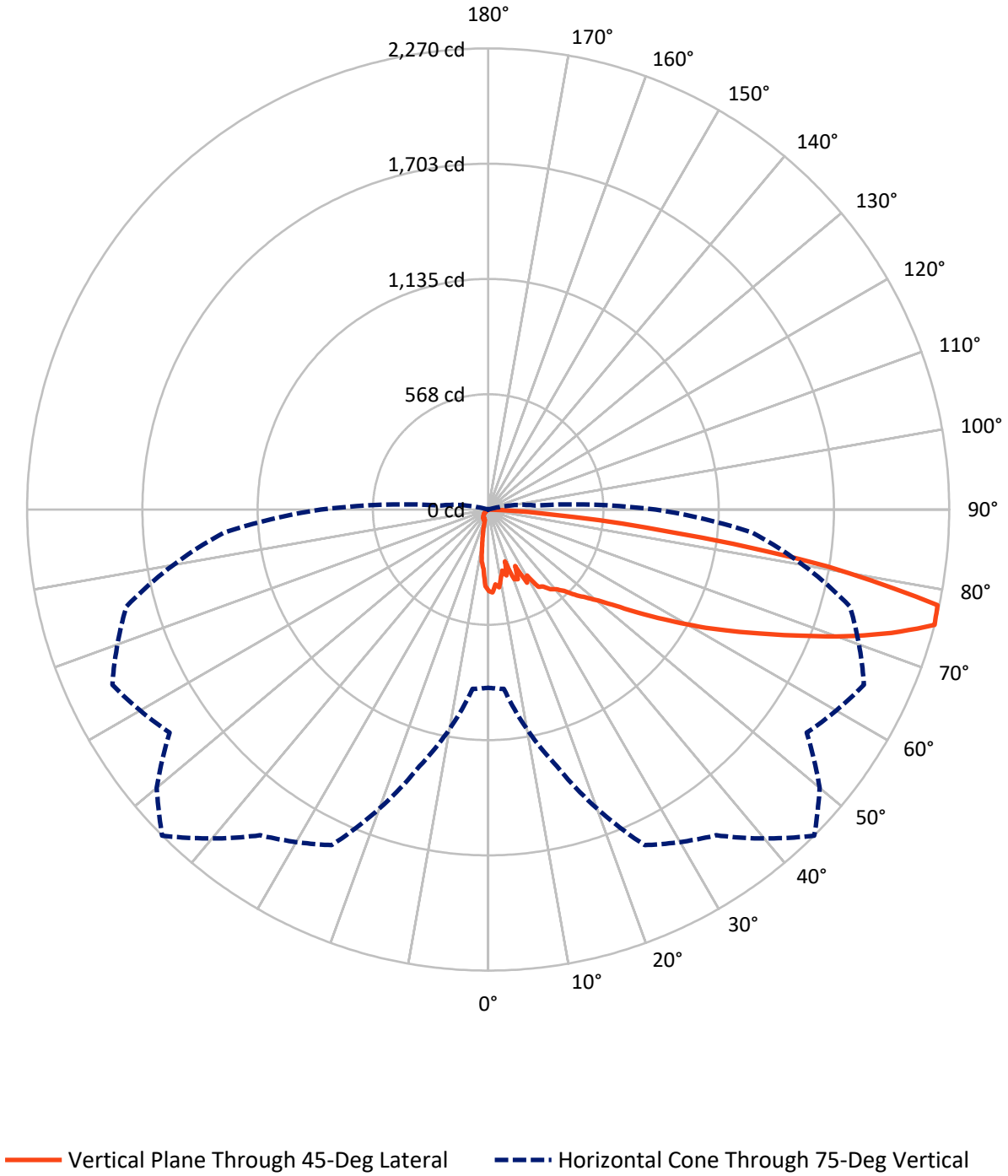
Luminous Intensity Polar Plot



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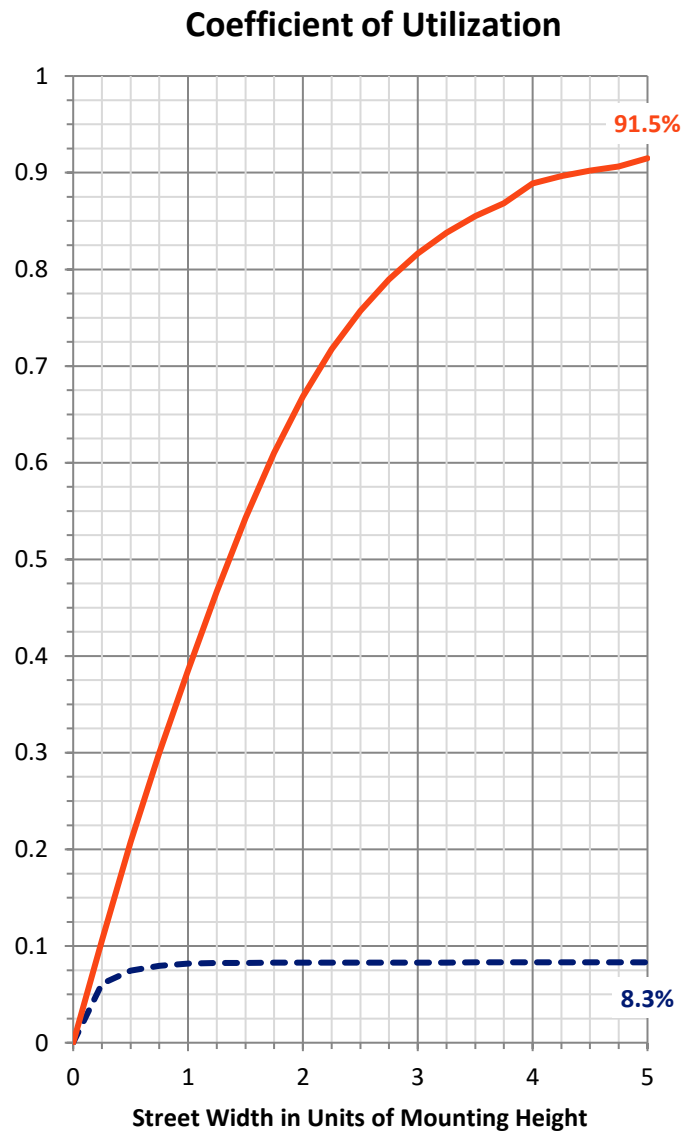
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.6	0.0	274.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2996.4	0.0	2996.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	3271.0	0.0	3271.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	1.0
10°-20°	68.5	2.1
20°-30°	115.8	3.5
30°-40°	213.2	6.5
40°-50°	349.9	10.7
50°-60°	622.7	19.0
60°-70°	931.8	28.5
70°-80°	829.6	25.4
80°-90°	108.4	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°	3271.0	100.0
0°-180°	3271.0	100.0



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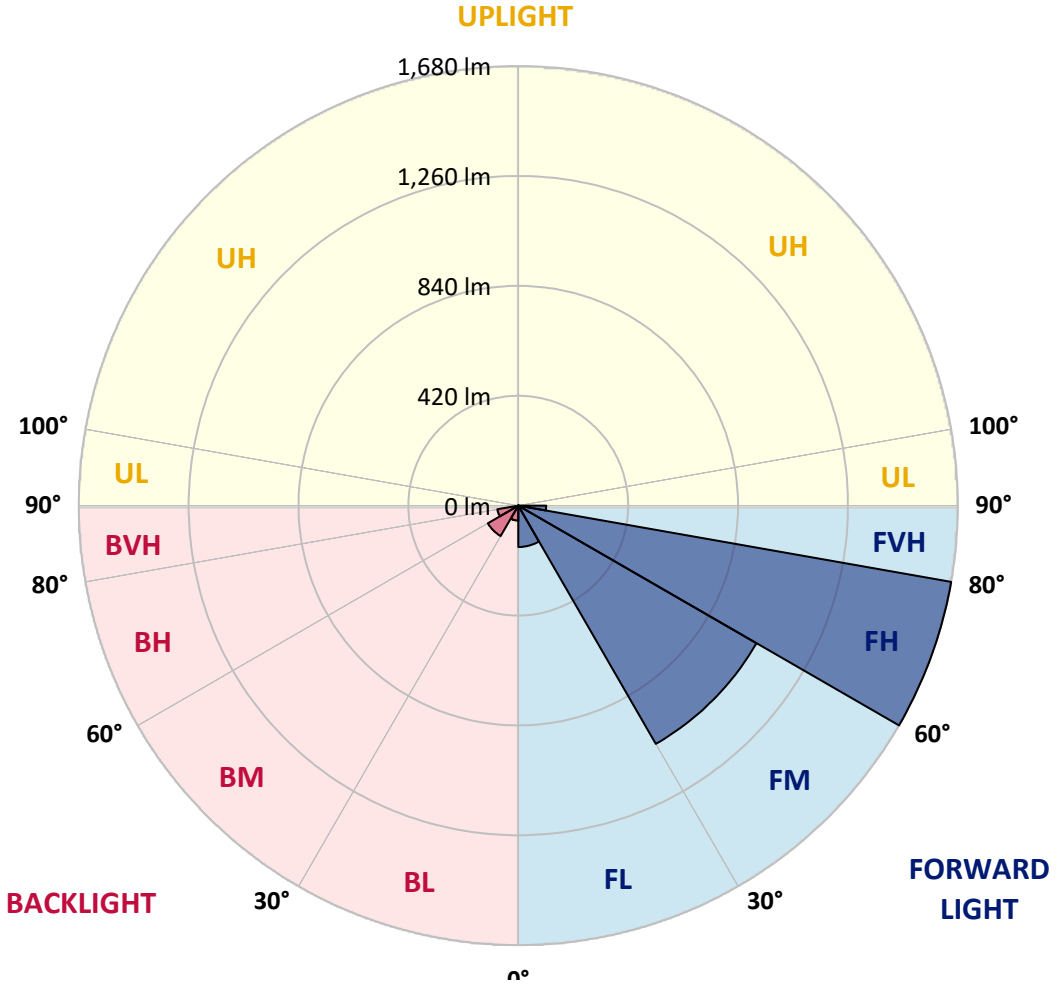
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	158.1	4.8			
FM	(30°-60°)	1051.5	32.1			
FH	(60°-80°)	1680.1	51.4			G1/1800
FVH	(80°-90°)	106.7	3.3			G2/225
BL	(0°-30°)	57.3	1.8	B0/110		
BM	(30°-60°)	134.3	4.1	B0/220		
BH	(60°-80°)	81.3	2.5	B0/110		G0/110
BVH	(80°-90°)	1.7	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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CATALOG NUMBER: SDL-PA1-40-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	*401.1*	401.1
2.5°	373.1	401.1	404.4	406.0	409.3	410.9	410.9	410.9	410.9	*409.3*	409.3
5°	394.5	392.8	391.2	389.6	387.9	384.6	381.3	376.4	373.1	*369.8*	366.6
7.5°	386.3	387.9	392.8	396.1	394.5	392.8	396.1	397.8	392.8	*386.3*	379.7
10°	450.4	447.1	443.8	440.5	435.6	430.7	391.2	351.8	348.5	*343.5*	340.3
12.5°	394.5	443.8	443.8	443.8	443.8	443.8	417.5	391.2	350.1	*309.0*	261.4
15°	493.1	491.5	484.9	478.3	433.9	387.9	363.3	338.6	338.6	*337.0*	317.2
17.5°	409.3	409.3	442.2	473.4	455.3	437.2	402.7	368.2	318.9	*267.9*	287.7
20°	517.8	517.8	511.2	504.6	429.0	353.4	356.7	360.0	363.3	*366.6*	304.1
22.5°	425.7	422.4	419.1	415.9	424.1	432.3	364.9	295.9	335.3	*373.1*	290.9
25°	519.4	524.3	521.1	516.1	448.7	381.3	396.1	409.3	358.3	*307.4*	356.7
27.5°	445.4	440.5	433.9	425.7	430.7	435.6	404.4	371.5	389.6	*407.6*	327.1
30°	545.7	547.4	544.1	540.8	476.7	412.6	410.9	407.6	392.8	*376.4*	368.2
32.5°	675.6	662.4	616.4	570.4	530.9	491.5	460.2	429.0	442.2	*453.7*	409.3
35°	738.0	713.4	693.7	672.3	606.5	539.1	501.3	461.9	463.5	*465.2*	447.1
37.5°	798.8	762.7	738.0	713.4	634.5	555.6	514.5	473.4	486.5	*498.0*	478.3
40°	820.2	800.5	785.7	770.9	687.1	601.6	553.9	504.6	511.2	*516.1*	509.6
42.5°	874.5	871.2	863.0	853.1	752.8	650.9	593.4	535.9	542.4	*547.4*	544.1
45°	1004.3	999.4	999.4	997.7	867.9	736.4	660.8	585.2	591.7	*598.3*	595.0
47.5°	1172.0	1163.8	1153.9	1142.4	1004.3	864.6	756.1	646.0	646.0	*646.0*	650.9
50°	1347.9	1336.3	1315.0	1292.0	1152.2	1012.5	874.5	736.4	721.6	*705.2*	723.2
52.5°	1530.3	1510.6	1474.4	1436.6	1313.3	1190.1	1033.9	876.1	831.7	*785.7*	808.7
55°	1628.9	1607.6	1582.9	1556.6	1456.3	1354.4	1195.0	1035.5	966.5	*895.8*	920.5
57.5°	1709.5	1704.5	1693.0	1681.5	1604.3	1527.0	1367.6	1206.5	1112.8	*1019.1*	1040.5
60°	1819.6	1813.0	1818.0	1822.9	1763.7	1704.5	1553.3	1400.5	1280.5	*1158.8*	1152.2
62.5°	1901.8	1900.1	1924.8	1949.5	1918.2	1885.3	1716.0	1545.1	1428.4	*1310.0*	1277.2
65°	1826.2	1847.5	1939.6	2031.6	2026.7	2020.1	1862.3	1702.9	1587.8	*1471.1*	1428.4
67.5°	1666.7	1676.6	1813.0	1947.8	2007.0	2064.5	1952.7	1839.3	1748.9	*1656.9*	1578.0
70°	1517.2	1538.5	1658.5	1778.5	1931.4	2084.2	1995.5	1906.7	1888.6	*1868.9*	1767.0
72.5°	1372.5	1410.3	1522.1	1633.9	1837.7	2039.9	1987.3	1934.7	2005.3	*2076.0*	1954.4
75°	*877.7*	*886.0*	*1098.0*	*1308.4*	*1566.5*	*1822.9*	*1890.3*	*1957.7*	*2113.8*	*2270.0*	*2130.3*
77.5°	256.4	284.4	443.8	603.2	899.1	1193.3	1423.5	1653.6	1957.7	*2261.8*	2090.8
80°	87.1	93.7	116.7	138.1	295.9	453.7	720.0	984.6	1338.0	*1691.4*	1571.4
82.5°	42.7	44.4	55.9	65.7	100.3	134.8	271.2	406.0	655.8	*904.0*	925.4
85°	13.1	13.1	19.7	26.3	42.7	59.2	101.9	143.0	226.8	*309.0*	261.4
87.5°	3.3	3.3	4.9	6.6	9.9	13.1	13.1	13.1	9.9	*6.6*	8.2
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: P560372
CATALOG NUMBER: SDL-PA1-40-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1
2.5°	410.9	410.9	410.9	409.3	406.0	404.4	401.1	397.8	394.5	392.8	389.6
5°	361.6	383.0	402.7	404.4	404.4	399.4	394.5	389.6	384.6	379.7	374.8
7.5°	371.5	360.0	348.5	350.1	351.8	350.1	346.8	338.6	332.0	318.9	304.1
10°	297.5	289.3	279.4	282.7	286.0	294.2	302.4	295.9	286.0	261.4	235.1
12.5°	292.6	290.9	287.7	263.0	236.7	249.8	261.4	254.8	244.9	220.3	194.0
15°	249.8	251.5	251.5	276.1	300.8	310.7	318.9	310.7	299.2	266.3	231.8
17.5°	322.2	305.7	289.3	279.4	267.9	271.2	274.5	238.3	249.8	228.5	205.5
20°	333.7	279.4	225.2	269.6	314.0	328.7	343.5	335.3	320.5	267.9	213.7
22.5°	304.1	323.8	343.5	315.6	287.7	269.6	249.8	241.6	231.8	208.8	185.7
25°	376.4	322.2	266.3	318.9	369.8	373.1	376.4	361.6	345.2	279.4	213.7
27.5°	337.0	355.0	371.5	383.0	394.5	409.3	424.1	407.6	368.2	290.9	212.0
30°	401.1	425.7	450.4	488.2	526.0	537.5	547.4	529.3	498.0	368.2	236.7
32.5°	419.1	468.5	517.8	532.6	545.7	560.5	575.3	560.5	522.7	364.9	205.5
35°	468.5	503.0	535.9	558.9	581.9	595.0	608.2	598.3	547.4	360.0	172.6
37.5°	483.3	529.3	573.7	600.0	624.6	636.1	646.0	646.0	573.7	356.7	138.1
40°	506.3	563.8	621.3	646.0	669.0	687.1	703.5	710.1	603.2	355.0	105.2
42.5°	552.3	603.2	654.2	693.7	731.5	757.8	784.1	789.0	637.8	360.0	80.5
45°	601.6	655.8	710.1	762.7	815.3	853.1	889.3	886.0	678.9	373.1	65.7
47.5°	672.3	723.2	774.2	863.0	950.1	986.2	1020.8	997.7	721.6	389.6	57.5
50°	744.6	807.1	869.5	982.9	1094.7	1127.6	1158.8	1111.2	762.7	409.3	54.2
52.5°	838.3	912.3	986.2	1116.1	1245.9	1275.5	1305.1	1208.1	793.9	422.4	51.0
55°	948.4	1043.8	1139.1	1262.4	1384.0	1418.5	1453.1	1303.5	808.7	429.0	49.3
57.5°	1081.6	1191.7	1300.2	1413.6	1525.4	1573.0	1619.1	1397.2	815.3	430.7	46.0
60°	1211.4	1333.1	1454.7	1551.7	1648.7	1722.6	1794.9	1489.2	812.0	427.4	41.1
62.5°	1331.4	1466.2	1599.3	1689.7	1780.2	1868.9	1957.7	1563.2	790.6	412.6	32.9
65°	1456.3	1599.3	1740.7	1819.6	1898.5	2013.6	2127.0	1627.3	761.0	392.8	23.0
67.5°	1569.8	1706.2	1842.6	1931.4	2020.1	2133.6	2245.3	1643.7	718.3	368.2	16.4
70°	1665.1	1813.0	1959.3	2049.7	2140.1	2197.7	2253.5	1571.4	632.8	322.2	11.5
72.5°	1796.6	1929.7	2061.2	2107.3	2151.6	2051.4	1949.5	1310.0	475.0	243.3	9.9
75°	*1914.9*	*1979.0*	*2041.5*	*1942.9*	*1844.3*	*1574.7*	*1305.1*	*825.1*	*231.8*	*121.6*	*9.9*
77.5°	1794.9	1760.4	1725.9	1423.5	1119.4	831.7	542.4	323.8	72.3	39.4	6.6
80°	1300.2	1142.4	982.9	680.5	376.4	251.5	124.9	72.3	18.1	11.5	4.9
82.5°	700.2	540.8	379.7	244.9	110.1	74.0	36.2	24.7	8.2	6.6	3.3
85°	253.1	200.5	146.3	113.4	80.5	47.7	13.1	8.2	4.9	4.9	3.3
87.5°	23.0	26.3	29.6	23.0	14.8	9.9	3.3	3.3	3.3	3.3	1.6
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: P560372
CATALOG NUMBER: SDL-PA1-40-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1	401.1
2.5°	387.9	386.3	384.6	381.3	379.7	378.1	366.6	355.0	341.9	328.7	328.7
5°	353.4	332.0	320.5	309.0	300.8	292.6	290.9	287.7	284.4	281.1	279.4
7.5°	295.9	287.7	281.1	274.5	266.3	258.1	249.8	241.6	235.1	228.5	213.7
10°	221.9	208.8	198.9	189.0	184.1	177.5	167.7	156.2	156.2	156.2	154.5
12.5°	192.3	190.7	166.0	139.7	131.5	123.3	121.6	120.0	116.7	111.8	105.2
15°	190.7	147.9	126.6	103.6	98.6	92.0	82.2	70.7	69.0	65.7	74.0
17.5°	172.6	139.7	115.1	90.4	72.3	54.2	57.5	59.2	67.4	74.0	78.9
20°	156.2	98.6	82.2	64.1	59.2	52.6	55.9	59.2	57.5	54.2	62.5
22.5°	146.3	105.2	77.3	49.3	52.6	55.9	52.6	47.7	55.9	64.1	69.0
25°	141.4	67.4	60.8	52.6	49.3	46.0	52.6	57.5	54.2	51.0	60.8
27.5°	139.7	67.4	57.5	46.0	49.3	52.6	51.0	47.7	54.2	59.2	57.5
30°	149.6	60.8	54.2	47.7	46.0	44.4	47.7	51.0	51.0	49.3	57.5
32.5°	133.1	60.8	54.2	46.0	46.0	44.4	44.4	44.4	49.3	54.2	57.5
35°	115.1	55.9	51.0	44.4	42.7	41.1	42.7	42.7	47.7	51.0	57.5
37.5°	95.3	52.6	47.7	41.1	39.4	37.8	37.8	36.2	41.1	46.0	51.0
40°	77.3	49.3	44.4	37.8	36.2	34.5	34.5	34.5	37.8	39.4	42.7
42.5°	64.1	46.0	41.1	34.5	32.9	31.2	31.2	29.6	31.2	32.9	34.5
45°	55.9	44.4	39.4	32.9	31.2	27.9	26.3	24.7	24.7	24.7	24.7
47.5°	49.3	41.1	37.8	32.9	29.6	24.7	23.0	19.7	18.1	16.4	14.8
50°	46.0	37.8	34.5	29.6	26.3	21.4	18.1	14.8	13.1	9.9	9.9
52.5°	42.7	34.5	31.2	26.3	21.4	16.4	13.1	8.2	8.2	6.6	6.6
55°	41.1	32.9	27.9	23.0	18.1	11.5	8.2	4.9	4.9	3.3	3.3
57.5°	39.4	31.2	26.3	19.7	13.1	6.6	4.9	3.3	3.3	3.3	3.3
60°	34.5	27.9	21.4	13.1	8.2	3.3	3.3	1.6	3.3	3.3	3.3
62.5°	27.9	21.4	14.8	8.2	4.9	1.6	1.6	1.6	3.3	3.3	3.3
65°	19.7	14.8	9.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	14.8	11.5	8.2	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
70°	9.9	8.2	6.6	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	8.2	6.6	4.9	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6
75°	*8.2*	*6.6*	*4.9*	*1.6*	*1.6*	*0.0*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*
77.5°	6.6	4.9	3.3	1.6	1.6	0.0	1.6	3.3	3.3	3.3	3.3
80°	4.9	3.3	3.3	1.6	1.6	0.0	1.6	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	1.6	1.6	0.0	3.3	4.9	4.9	3.3	3.3
85°	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9	4.9	3.3
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9	4.9	3.3
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: P560372
CATALOG NUMBER: SDL-PA1-40-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	401.1	401.1	401.1	401.1
2.5°	327.1	327.1	325.5	325.5
5°	276.1	276.1	274.5	274.5
7.5°	198.9	195.6	190.7	192.3
10°	152.9	149.6	146.3	149.6
12.5°	98.6	100.3	100.3	95.3
15°	80.5	87.1	92.0	92.0
17.5°	83.8	83.8	82.2	82.2
20°	70.7	77.3	83.8	83.8
22.5°	72.3	69.0	65.7	65.7
25°	69.0	74.0	77.3	77.3
27.5°	55.9	57.5	59.2	59.2
30°	64.1	67.4	69.0	69.0
32.5°	60.8	64.1	65.7	67.4
35°	62.5	65.7	67.4	67.4
37.5°	55.9	57.5	59.2	59.2
40°	44.4	46.0	47.7	47.7
42.5°	34.5	34.5	32.9	34.5
45°	23.0	23.0	21.4	23.0
47.5°	13.1	13.1	13.1	13.1
50°	8.2	8.2	8.2	8.2
52.5°	4.9	4.9	4.9	4.9
55°	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	1.6	1.6
60°	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	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°	*1.6*	*1.6*	*0.0*	*0.0*
77.5°	1.6	1.6	0.0	0.0
80°	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	0.0
87.5°	1.6	1.6	1.6	0.0
90°	0.0	0.0	0.0	0.0

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