

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: P560545

Luminaire Tested: **SDL-PA1-50-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
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-T3
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5836.6 lumens
Efficiency: N/A
Efficacy: 111.4 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): 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

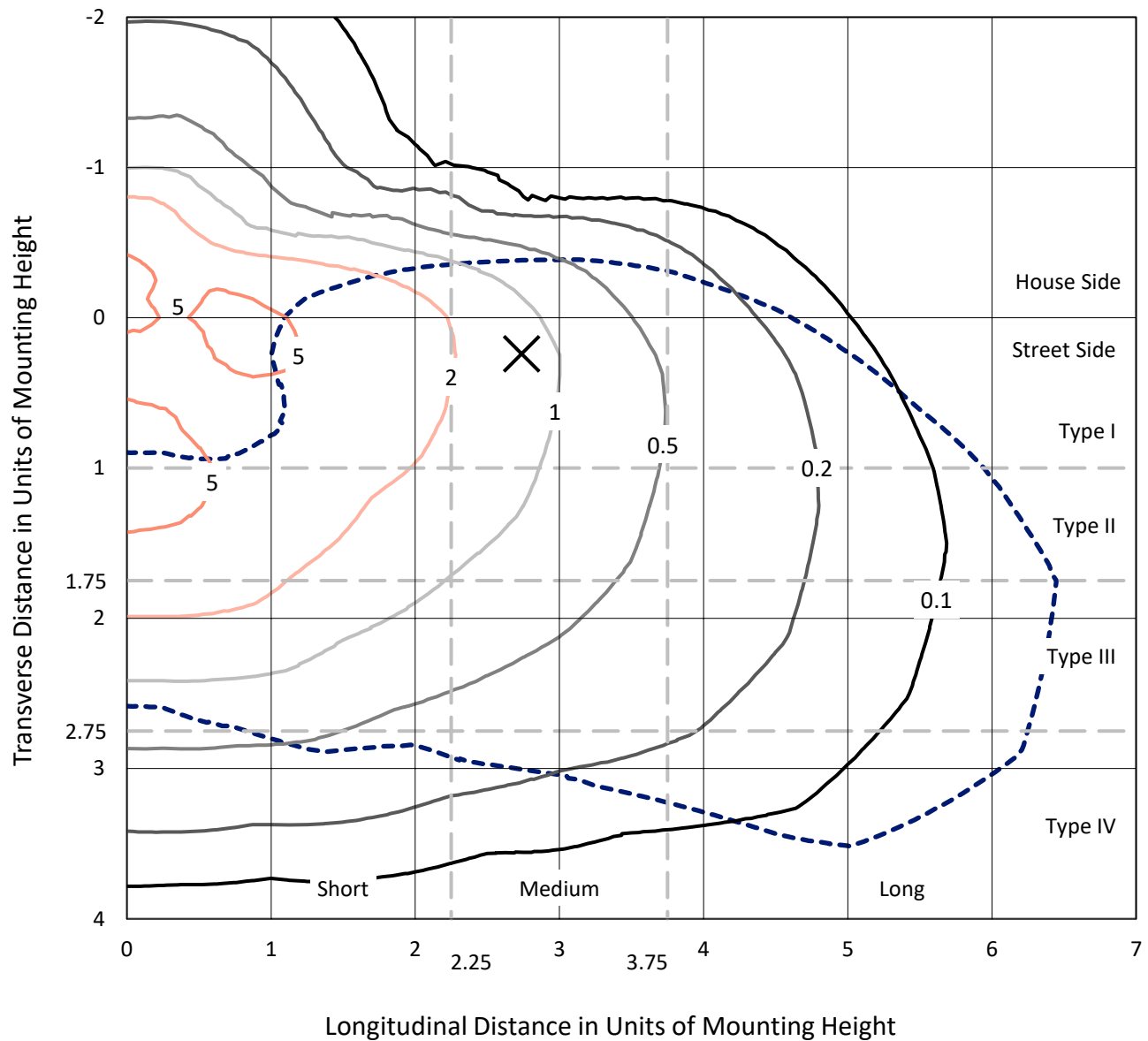


REPORT NUMBER: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

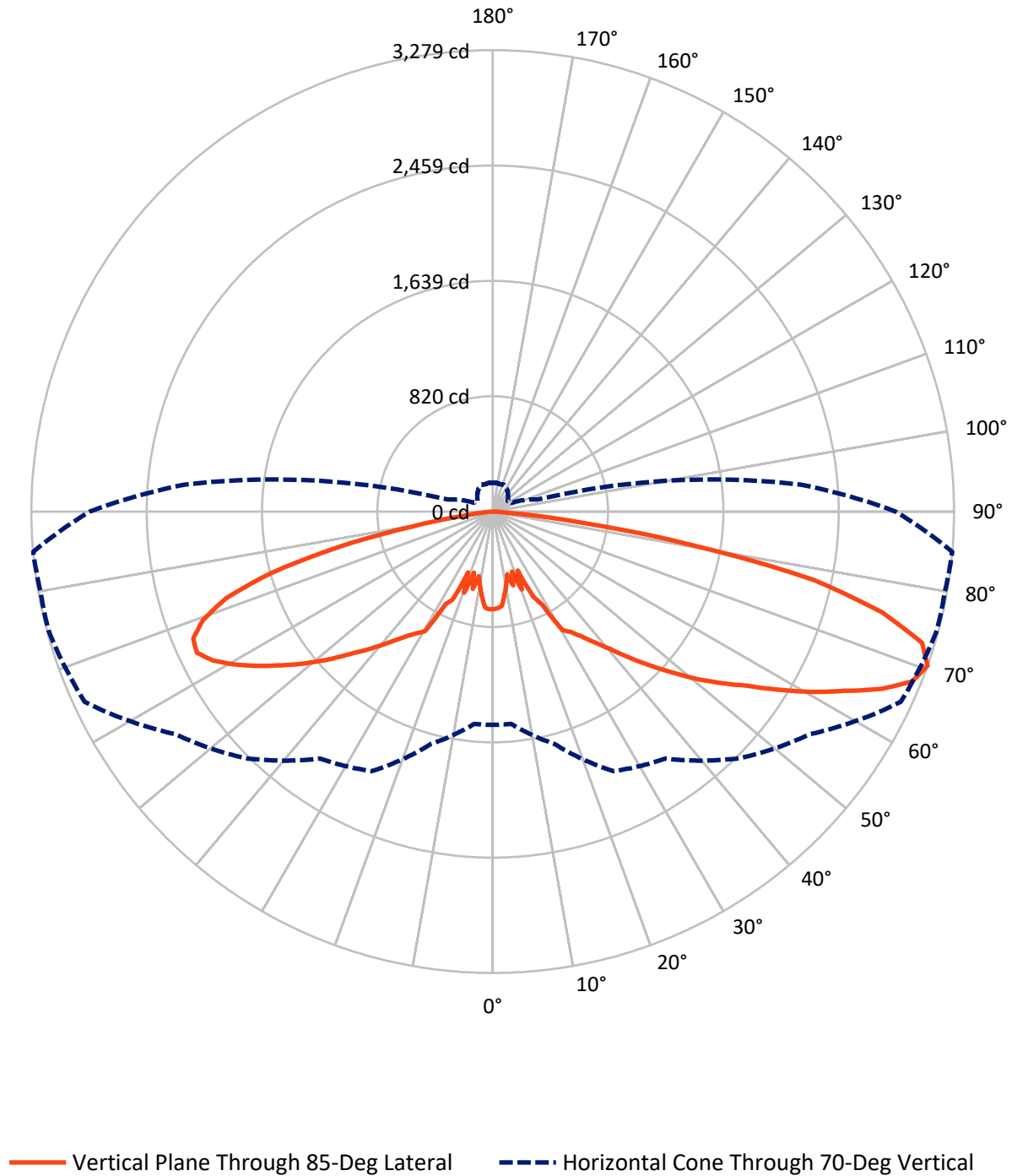


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

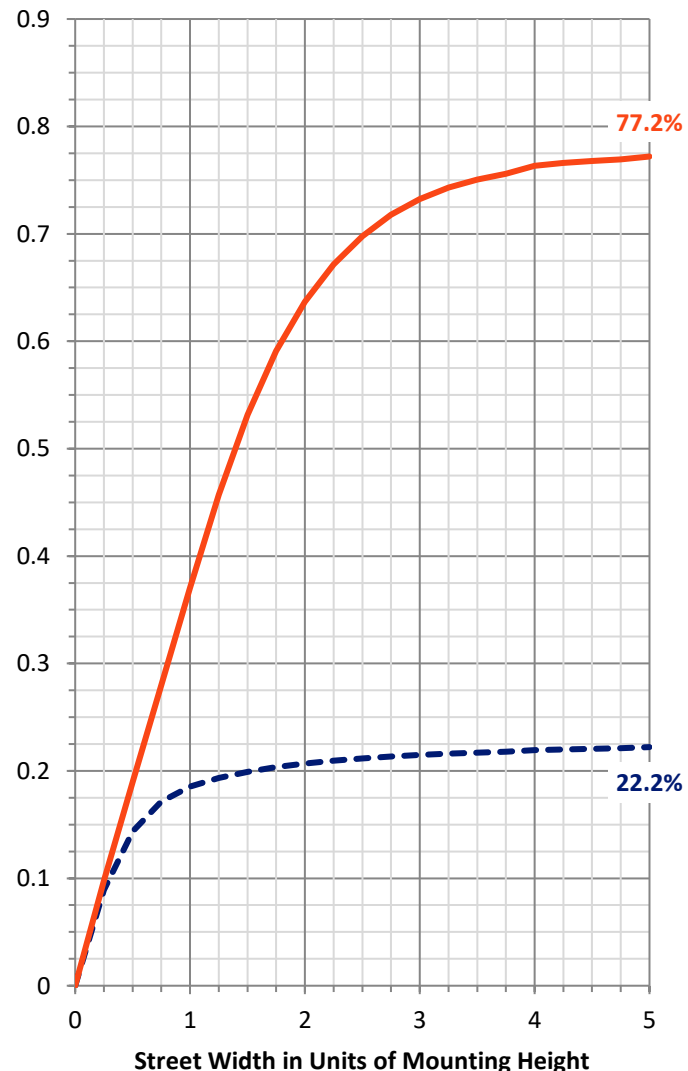
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1319.7	0.0	1319.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4516.9	0.0	4516.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	5836.6	0.0	5836.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.0
10°-20°	140.9	2.4
20°-30°	257.6	4.4
30°-40°	486.4	8.3
40°-50°	792.4	13.6
50°-60°	1222.4	20.9
60°-70°	1498.3	25.7
70°-80°	1173.4	20.1
80°-90°	208.9	3.6
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°	5836.6	100.0
0°-180°	5836.6	100.0

Coefficient of Utilization



REPORT NUMBER: P560545

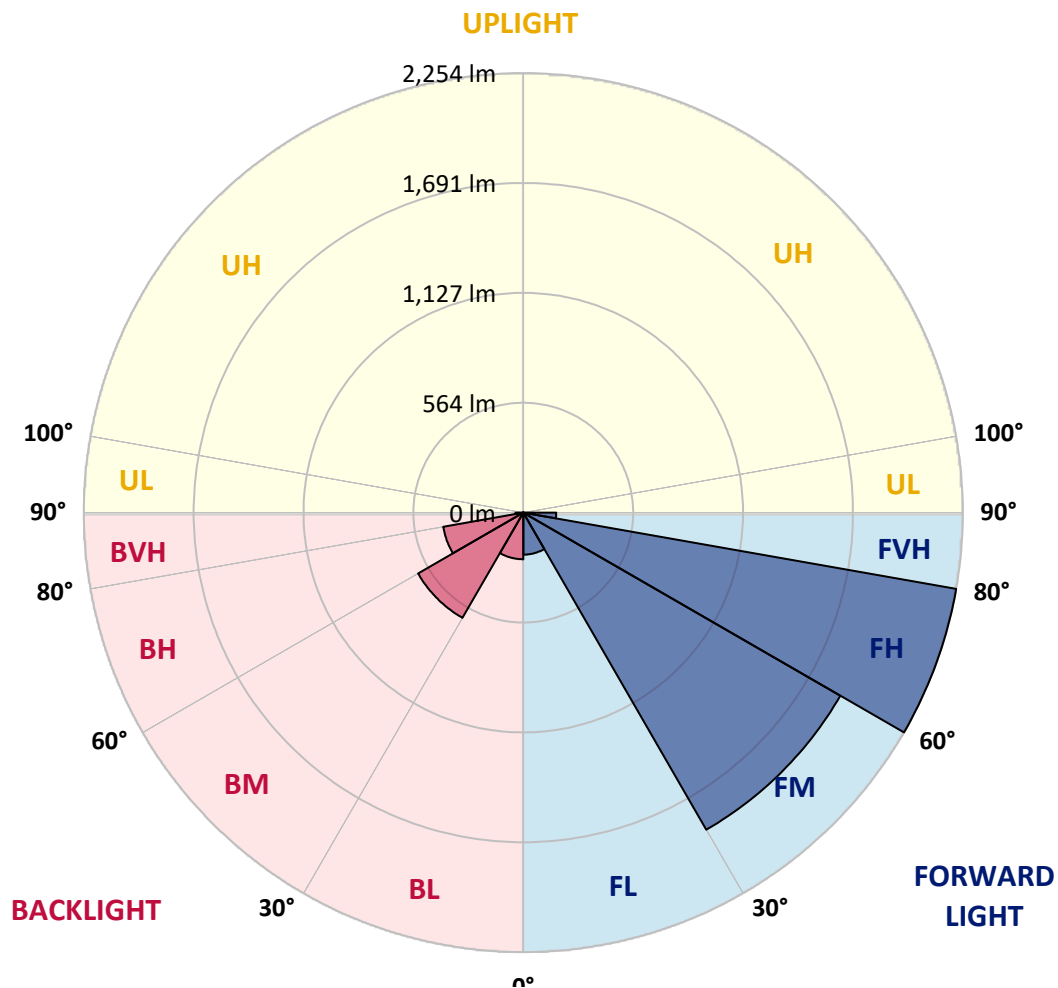
CATALOG NUMBER: SDL-PA1-50-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.5	3.7			
FM	(30°-60°)	1877.8	32.2			
FH	(60°-80°)	2254.5	38.6			G2/5000
FVH	(80°-90°)	169.2	2.9			G2/225
BL	(0°-30°)	239.3	4.1	B1/500		
BM	(30°-60°)	623.4	10.7	B1/1000		
BH	(60°-80°)	417.2	7.1	B1/500		G1/500
BVH	(80°-90°)	39.7	0.7			G1/100
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





REPORT NUMBER: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3
2.5°	571.7	622.9	622.9	622.9	633.6	642.1	646.4	648.5	657.0	663.4	667.7
5°	533.3	535.4	535.4	535.4	537.6	539.7	541.8	544.0	548.2	550.4	556.8
7.5°	448.0	456.5	473.6	488.5	499.2	509.8	518.4	524.8	529.0	533.3	535.4
10°	499.2	499.2	499.2	499.2	499.2	499.2	473.6	448.0	450.1	450.1	437.3
12.5°	418.1	430.9	450.1	467.2	482.1	494.9	477.8	460.8	428.8	396.8	396.8
15°	484.2	484.2	482.1	480.0	452.2	424.5	398.9	373.3	390.4	407.5	377.6
17.5°	416.0	418.1	443.7	467.2	462.9	456.5	433.0	407.5	366.9	324.3	366.9
20°	533.3	526.9	514.1	501.3	441.6	381.9	392.5	403.2	413.9	422.4	422.4
22.5°	490.6	494.9	503.4	512.0	505.6	497.0	435.2	373.3	409.6	445.8	413.9
25°	672.0	672.0	646.4	620.8	556.8	490.6	501.3	509.8	448.0	384.0	437.3
27.5°	620.8	616.5	605.8	593.0	605.8	616.5	561.0	503.4	520.5	537.6	492.8
30°	825.6	825.6	814.9	804.2	712.5	618.6	612.2	603.7	567.4	529.0	554.6
32.5°	989.8	987.7	938.6	889.6	838.4	785.0	729.6	672.0	667.7	663.4	659.2
35°	1186.1	1186.1	1158.4	1130.6	1017.6	902.4	836.2	770.1	750.9	731.7	746.6
37.5°	1297.0	1311.9	1301.3	1288.5	1164.8	1038.9	947.2	853.3	834.1	814.9	821.3
40°	1450.6	1446.3	1444.2	1439.9	1297.0	1154.1	1056.0	955.7	942.9	930.1	930.1
42.5°	1683.1	1659.7	1634.1	1606.3	1461.3	1316.2	1207.4	1096.5	1073.0	1047.4	1049.6
45°	2003.1	1977.5	1917.8	1855.9	1708.7	1561.5	1416.5	1271.4	1230.9	1188.2	1184.0
47.5°	2199.4	2171.6	2141.8	2109.8	1951.9	1794.1	1644.7	1493.3	1433.5	1373.8	1350.3
50°	2402.0	2376.4	2353.0	2329.5	2190.8	2052.2	1902.9	1753.5	1659.7	1565.8	1525.3
52.5°	2594.0	2547.1	2523.6	2500.2	2382.8	2263.4	2107.7	1951.9	1881.5	1811.1	1723.7
55°	2687.9	2630.3	2621.8	2611.1	2523.6	2434.0	2284.7	2135.4	2056.5	1975.4	1887.9
57.5°	2555.6	2559.9	2606.8	2653.8	2604.7	2555.6	2414.8	2274.0	2195.1	2116.2	2050.1
60°	2436.2	2468.2	2525.8	2583.4	2587.6	2589.8	2515.1	2440.4	2353.0	2265.5	2214.3
62.5°	2271.9	2295.4	2385.0	2472.4	2538.6	2602.6	2525.8	2449.0	2419.1	2387.1	2355.1
65°	2050.1	2056.5	2158.8	2259.1	2378.6	2495.9	2436.2	2376.4	2427.6	2476.7	2481.0
67.5°	1779.1	1798.3	1898.6	1998.9	2143.9	2286.8	2284.7	2282.6	2391.4	2498.0	2572.7
70°	1514.6	1514.6	1612.7	1710.9	1873.0	2035.1	2088.5	2141.8	2310.3	2478.8	2617.5
72.5°	1141.3	1194.6	1245.8	1297.0	1478.3	1657.5	1774.9	1892.2	2143.9	2393.5	2604.7
75°	629.3	633.6	678.4	723.2	904.5	1085.8	1262.9	1439.9	1777.0	2114.1	2446.8
77.5°	206.9	200.5	226.1	249.6	356.3	460.8	610.1	759.4	1130.6	1501.8	2037.3
80°	115.2	117.3	125.9	134.4	168.5	200.5	273.1	345.6	503.4	659.2	1294.9
82.5°	76.8	78.9	87.5	96.0	110.9	125.9	166.4	204.8	219.7	232.5	584.5
85°	49.1	51.2	55.5	59.7	64.0	66.1	93.9	121.6	110.9	100.3	174.9
87.5°	10.7	10.7	12.8	12.8	14.9	17.1	21.3	25.6	23.5	19.2	25.6
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: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3
2.5°	669.8	674.1	676.2	678.4	680.5	684.8	686.9	689.0	693.3	695.4	695.4
5°	563.2	601.6	637.8	650.6	663.4	669.8	674.1	680.5	684.8	689.0	693.3
7.5°	537.6	539.7	541.8	556.8	571.7	584.5	597.3	601.6	612.2	605.8	597.3
10°	422.4	424.5	424.5	439.4	454.4	499.2	529.0	535.4	541.8	516.2	488.5
12.5°	394.7	405.3	416.0	409.6	403.2	435.2	456.5	465.0	469.3	452.2	435.2
15°	345.6	356.3	364.8	413.9	462.9	505.6	544.0	554.6	567.4	539.7	509.8
17.5°	409.6	405.3	398.9	407.5	416.0	426.7	448.0	454.4	454.4	462.9	471.4
20°	422.4	375.5	328.5	416.0	503.4	541.8	590.9	608.0	612.2	588.8	565.3
22.5°	379.7	433.0	486.4	475.7	465.0	454.4	454.4	460.8	467.2	471.4	475.7
25°	488.5	443.7	398.9	501.3	603.7	644.2	667.7	678.4	686.9	657.0	625.0
27.5°	448.0	507.7	565.3	610.1	654.9	699.7	748.8	795.7	738.1	710.4	682.6
30°	578.1	627.2	676.2	782.9	889.6	947.2	977.0	977.0	977.0	936.5	893.8
32.5°	654.9	740.2	825.6	883.2	938.6	996.2	1019.7	1019.7	1019.7	970.6	919.4
35°	759.4	827.7	896.0	962.1	1028.2	1073.0	1090.1	1083.7	1070.9	1004.8	938.6
37.5°	827.7	919.4	1011.2	1079.4	1145.6	1173.3	1179.7	1160.5	1141.3	1053.8	964.2
40°	930.1	1030.4	1128.5	1201.0	1273.6	1297.0	1284.2	1258.6	1224.5	1107.2	989.8
42.5°	1049.6	1149.8	1250.1	1335.4	1418.6	1433.5	1414.3	1373.8	1314.1	1154.1	992.0
45°	1179.7	1280.0	1378.1	1474.1	1570.1	1580.7	1555.1	1495.4	1407.9	1198.9	989.8
47.5°	1324.7	1403.7	1482.6	1619.1	1755.7	1742.9	1704.5	1636.2	1521.0	1252.2	981.3
50°	1484.7	1546.6	1606.3	1777.0	1947.7	1909.3	1866.6	1791.9	1640.5	1314.1	985.6
52.5°	1634.1	1693.8	1753.5	1930.6	2105.5	2069.3	2022.3	1956.2	1762.1	1380.2	996.2
55°	1800.5	1864.5	1928.5	2116.2	2303.9	2242.0	2182.3	2139.7	1881.5	1435.7	989.8
57.5°	1981.8	2062.9	2143.9	2316.7	2487.4	2421.2	2387.1	2331.6	2013.8	1501.8	989.8
60°	2163.1	2261.2	2359.4	2510.8	2662.3	2609.0	2602.6	2525.8	2137.5	1550.9	962.1
62.5°	2323.1	2470.3	2617.5	2737.0	2854.3	2803.1	2805.2	2715.6	2252.7	1561.5	868.2
65°	2485.2	2675.1	2862.8	2950.3	3037.7	3001.5	3037.7	2877.8	2329.5	1518.9	708.2
67.5°	2645.2	2854.3	3063.3	3129.5	3195.6	3174.3	3216.9	2931.1	2312.4	1407.9	501.3
70°	2756.2	2978.0	3199.9	3234.0	3268.1	3263.9	3278.8	2865.0	2197.2	1265.0	330.7
72.5°	2815.9	3024.9	3231.9	3246.8	3259.6	3253.2	3191.3	2658.0	1990.3	1109.3	228.3
75°	2777.5	2980.2	3182.8	3152.9	3123.1	3063.3	2856.4	2289.0	1631.9	900.2	168.5
77.5°	2572.7	2792.4	3012.2	2935.4	2856.4	2681.5	2333.8	1715.1	1134.9	633.6	130.1
80°	1930.6	2201.5	2472.4	2380.7	2286.8	1917.8	1420.7	960.0	586.6	343.5	100.3
82.5°	934.4	1085.8	1237.3	1213.8	1190.4	881.0	614.4	345.6	168.5	123.7	78.9
85°	247.5	366.9	486.4	465.0	443.7	234.7	102.4	89.6	66.1	61.9	55.5
87.5°	29.9	34.1	36.3	25.6	12.8	10.7	10.7	6.4	6.4	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: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3
2.5°	699.7	701.8	701.8	701.8	701.8	701.8	684.8	667.7	663.4	659.2	650.6
5°	674.1	652.8	637.8	622.9	622.9	620.8	627.2	633.6	637.8	640.0	642.1
7.5°	599.4	601.6	614.4	625.0	635.7	644.2	650.6	654.9	650.6	644.2	618.6
10°	490.6	492.8	503.4	512.0	526.9	539.7	576.0	610.1	650.6	691.2	701.8
12.5°	467.2	497.0	480.0	462.9	509.8	554.6	601.6	646.4	678.4	708.2	686.9
15°	475.7	441.6	448.0	454.4	512.0	569.6	535.4	499.2	584.5	669.8	689.0
17.5°	473.6	473.6	505.6	537.6	484.2	428.8	507.7	584.5	618.6	650.6	625.0
20°	505.6	443.7	467.2	488.5	531.2	571.7	537.6	503.4	516.2	529.0	612.2
22.5°	526.9	576.0	522.6	467.2	505.6	544.0	537.6	531.2	569.6	608.0	586.6
25°	550.4	473.6	512.0	548.2	505.6	460.8	494.9	526.9	516.2	505.6	571.7
27.5°	631.4	578.1	529.0	480.0	505.6	529.0	503.4	475.7	486.4	497.0	492.8
30°	763.7	631.4	569.6	507.7	475.7	441.6	443.7	445.8	458.6	471.4	507.7
32.5°	797.8	676.2	586.6	497.0	475.7	454.4	435.2	413.9	433.0	452.2	494.9
35°	806.4	672.0	576.0	480.0	445.8	411.7	398.9	386.1	418.1	450.1	488.5
37.5°	802.1	637.8	535.4	433.0	407.5	381.9	375.5	366.9	388.3	407.5	435.2
40°	791.4	593.0	490.6	388.3	366.9	345.6	341.3	337.1	352.0	366.9	384.0
42.5°	772.2	550.4	448.0	345.6	330.7	315.7	311.5	305.1	317.9	330.7	337.1
45°	748.8	507.7	411.7	313.6	302.9	290.1	283.7	275.2	288.0	298.7	300.8
47.5°	725.3	467.2	379.7	290.1	281.6	270.9	264.5	256.0	266.7	275.2	277.3
50°	706.1	424.5	345.6	266.7	258.1	249.6	243.2	236.8	247.5	256.0	256.0
52.5°	695.4	392.5	315.7	238.9	234.7	230.4	228.3	224.0	232.5	241.1	243.2
55°	669.8	347.7	281.6	213.3	215.5	215.5	213.3	209.1	226.1	241.1	247.5
57.5°	642.1	294.4	245.3	194.1	198.4	202.7	204.8	206.9	226.1	243.2	251.7
60°	605.8	249.6	213.3	177.1	183.5	187.7	198.4	206.9	224.0	241.1	245.3
62.5°	541.8	213.3	187.7	162.1	170.7	179.2	192.0	204.8	217.6	230.4	230.4
65°	448.0	185.6	168.5	149.3	162.1	172.8	187.7	202.7	213.3	221.9	219.7
67.5°	334.9	166.4	153.6	138.7	153.6	166.4	179.2	192.0	204.8	217.6	213.3
70°	241.1	149.3	140.8	130.1	142.9	155.7	168.5	181.3	194.1	206.9	204.8
72.5°	183.5	136.5	128.0	119.5	132.3	142.9	157.9	172.8	185.6	198.4	194.1
75°	147.2	123.7	117.3	108.8	121.6	134.4	149.3	162.1	174.9	187.7	183.5
77.5°	121.6	110.9	104.5	98.1	108.8	119.5	134.4	149.3	162.1	172.8	168.5
80°	98.1	93.9	89.6	83.2	96.0	106.7	121.6	134.4	145.1	155.7	149.3
82.5°	76.8	74.7	72.5	68.3	78.9	89.6	104.5	119.5	128.0	136.5	132.3
85°	57.6	57.6	55.5	53.3	61.9	68.3	76.8	83.2	91.7	98.1	93.9
87.5°	8.5	8.5	12.8	14.9	14.9	14.9	21.3	27.7	27.7	25.6	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

REPORT NUMBER: P560545

CATALOG NUMBER: SDL-PA1-50-730-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	693.3	693.3	693.3	693.3
2.5°	642.1	642.1	642.1	644.2
5°	644.2	646.4	646.4	650.6
7.5°	590.9	588.8	586.6	586.6
10°	710.4	714.6	716.8	721.0
12.5°	663.4	637.8	612.2	612.2
15°	708.2	712.5	714.6	718.9
17.5°	599.4	597.3	595.2	590.9
20°	693.3	697.6	699.7	699.7
22.5°	565.3	565.3	563.2	563.2
25°	637.8	637.8	637.8	642.1
27.5°	486.4	501.3	516.2	535.4
30°	544.0	546.1	548.2	548.2
32.5°	537.6	565.3	593.0	597.3
35°	526.9	526.9	524.8	526.9
37.5°	462.9	456.5	448.0	452.2
40°	398.9	384.0	369.1	366.9
42.5°	343.5	330.7	315.7	315.7
45°	302.9	294.4	283.7	279.5
47.5°	277.3	268.8	260.3	258.1
50°	253.9	245.3	236.8	236.8
52.5°	245.3	238.9	230.4	228.3
55°	253.9	241.1	228.3	224.0
57.5°	258.1	243.2	228.3	221.9
60°	247.5	238.9	228.3	219.7
62.5°	228.3	224.0	219.7	215.5
65°	215.5	215.5	213.3	209.1
67.5°	209.1	211.2	211.2	206.9
70°	200.5	204.8	206.9	202.7
72.5°	189.9	192.0	192.0	185.6
75°	177.1	174.9	172.8	168.5
77.5°	162.1	160.0	155.7	151.5
80°	142.9	140.8	138.7	132.3
82.5°	125.9	130.1	132.3	108.8
85°	87.5	78.9	70.4	57.6
87.5°	17.1	12.8	6.4	6.4
90°	0.0	0.0	0.0	0.0

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