

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: P560717

Luminaire Tested: **SDL-PA1-60-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T2U
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6906.4 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 62.4
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

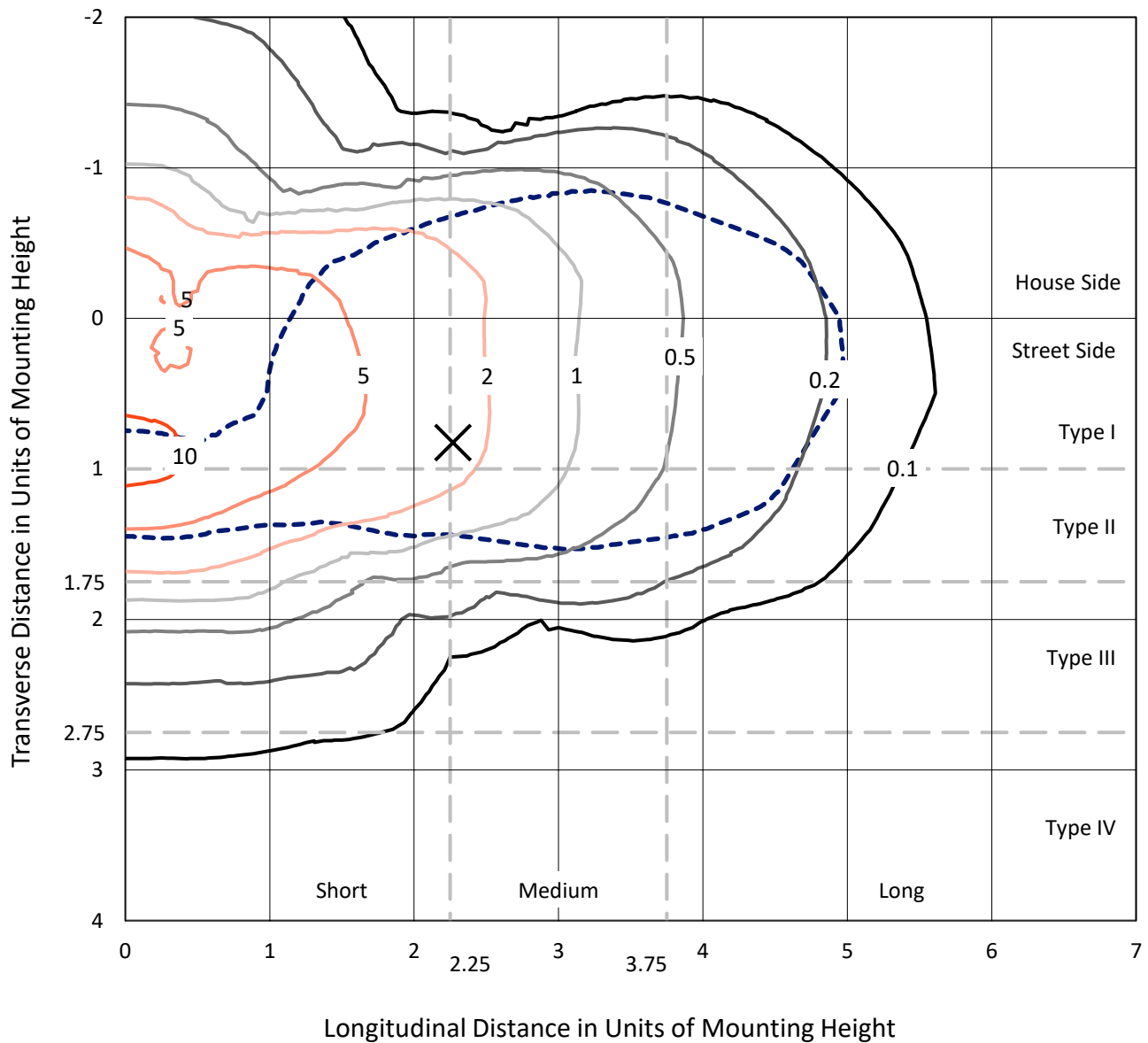


REPORT NUMBER: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

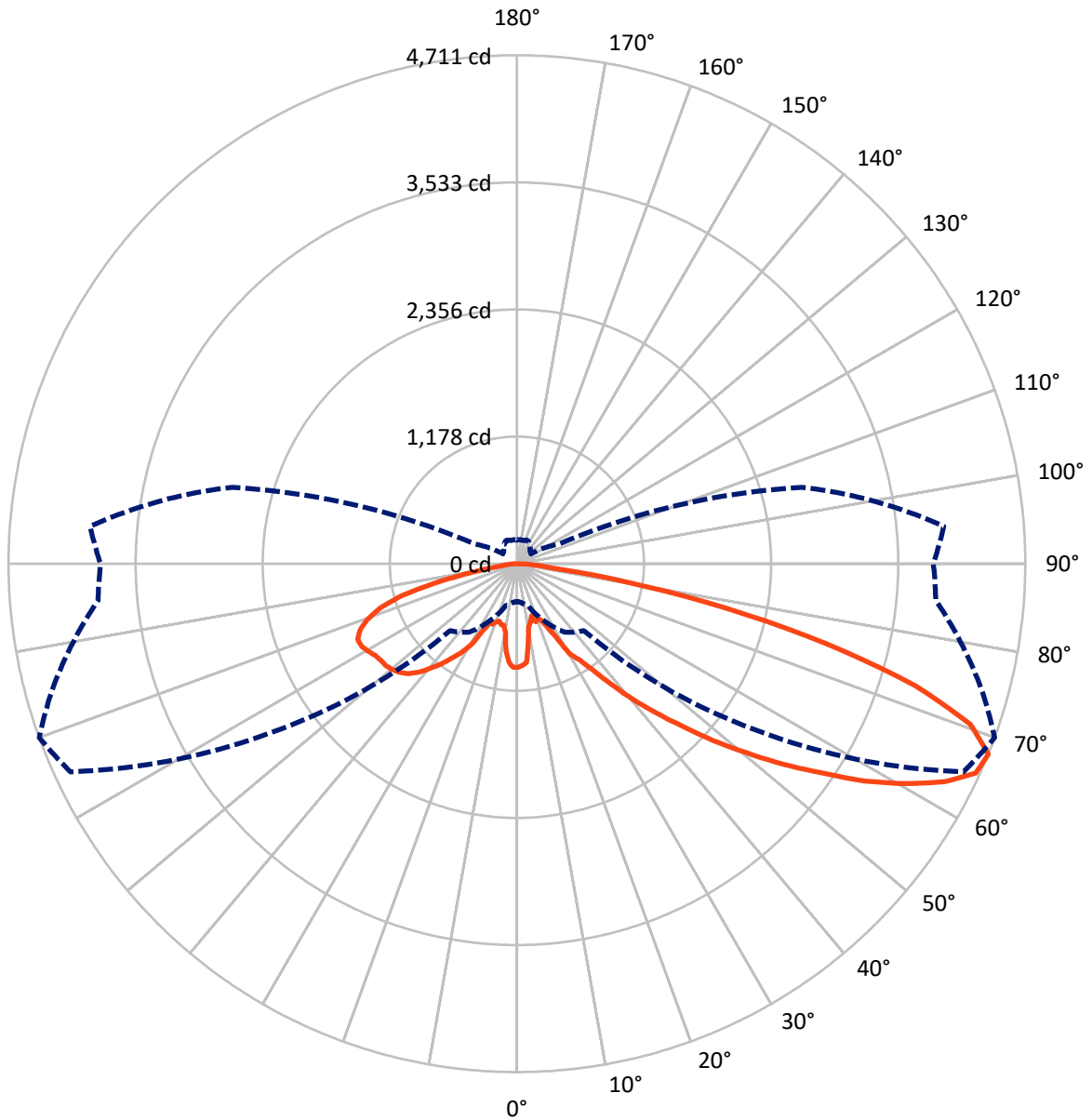


Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

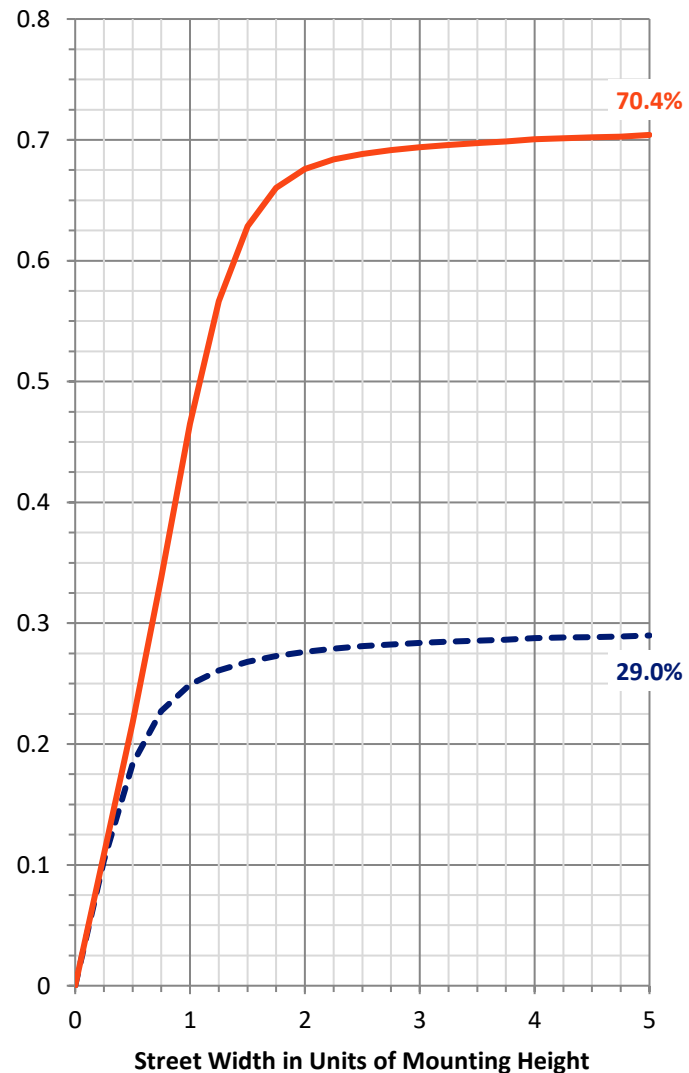
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2025.3	0.0	2025.3
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4881.1	0.0	4881.1
	% Fixture	70.7	0.0	70.7
Total	Lumens	6906.4	0.0	6906.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.1
10°-20°	180.8	2.6
20°-30°	321.3	4.7
30°-40°	679.1	9.8
40°-50°	1243.2	18.0
50°-60°	1696.1	24.6
60°-70°	1599.0	23.2
70°-80°	967.7	14.0
80°-90°	142.2	2.1
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°	6906.4	100.0
0°-180°	6906.4	100.0



REPORT NUMBER: P560717

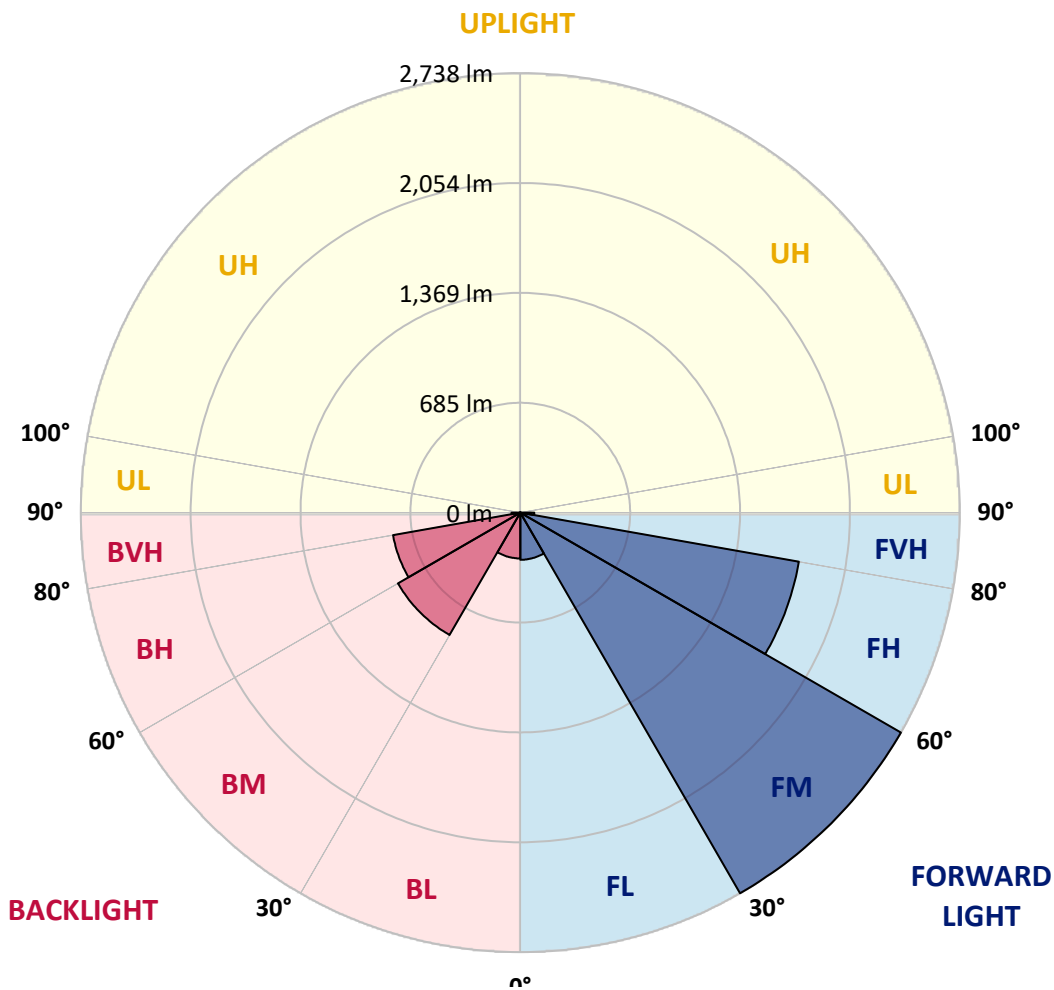
CATALOG NUMBER: SDL-PA1-60-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.9	4.3			
FM	(30°-60°)	2738.0	39.6			
FH	(60°-80°)	1762.0	25.5			G1/1800
FVH	(80°-90°)	87.2	1.3			G1/100
BL	(0°-30°)	285.3	4.1	B1/500		
BM	(30°-60°)	880.4	12.7	B1/1000		
BH	(60°-80°)	804.6	11.7	B2/1000		G2/1000
BVH	(80°-90°)	55.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





REPORT NUMBER: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	807.6	815.0	864.7	914.4	916.9	916.9	919.4	921.9	929.3	934.3	939.3
5°	752.9	757.9	757.9	757.9	760.4	762.8	765.3	765.3	770.3	772.8	777.8
7.5°	631.1	680.8	698.2	713.1	723.1	730.5	735.5	740.5	745.5	750.4	755.4
10°	718.1	718.1	720.6	720.6	720.6	718.1	668.4	616.2	641.1	665.9	628.7
12.5°	591.4	601.3	646.1	688.3	700.7	710.7	685.8	658.5	613.8	569.0	564.1
15°	703.2	703.2	703.2	700.7	656.0	608.8	561.6	511.9	541.7	571.5	526.8
17.5°	608.8	608.8	646.1	680.8	678.4	673.4	631.1	586.4	516.8	444.8	501.9
20°	767.8	765.3	752.9	738.0	646.1	554.1	574.0	593.9	598.8	601.3	583.9
22.5°	685.8	688.3	703.2	718.1	720.6	723.1	616.2	506.9	569.0	631.1	571.5
25°	954.2	949.2	926.8	902.0	800.1	695.8	715.6	735.5	633.6	529.3	593.9
27.5°	907.0	892.1	882.1	872.2	889.6	907.0	812.5	715.6	738.0	760.4	678.4
30°	1297.1	1297.1	1272.2	1244.9	1090.8	934.3	909.4	884.6	825.0	762.8	777.8
32.5°	1642.5	1642.5	1550.5	1456.1	1364.2	1272.2	1150.5	1028.7	1003.9	976.5	951.7
35°	2067.4	2055.0	2002.8	1948.1	1749.3	1550.5	1394.0	1237.4	1187.8	1138.1	1113.2
37.5°	2465.0	2437.6	2365.6	2291.0	2082.3	1871.1	1664.8	1458.6	1403.9	1349.3	1294.6
40°	2793.0	2778.0	2728.3	2676.2	2440.1	2204.0	1970.5	1734.4	1662.4	1590.3	1510.8
42.5°	3093.6	3081.2	3036.5	2989.3	2755.7	2519.6	2298.5	2074.8	1968.0	1861.1	1766.7
45°	3314.8	3294.9	3265.1	3232.8	3046.4	2857.6	2633.9	2407.8	2365.6	2323.3	2139.4
47.5°	3384.3	3349.6	3344.6	3339.6	3190.5	3041.4	2862.5	2683.6	2691.1	2698.5	2484.8
50°	3282.5	3230.3	3252.6	3275.0	3215.4	3153.3	3014.1	2875.0	2937.1	2996.7	2827.7
52.5°	2912.2	2899.8	2957.0	3011.6	3026.5	3041.4	3011.6	2979.3	3093.6	3207.9	3145.8
55°	2402.8	2457.5	2537.0	2616.5	2678.7	2738.3	2825.3	2912.2	3108.5	3304.8	3349.6
57.5°	1893.4	1950.6	2042.5	2134.5	2206.5	2278.6	2457.5	2636.4	2932.1	3227.8	3429.1
60°	1274.7	1334.4	1485.9	1635.0	1736.9	1838.8	2000.3	2161.8	2534.5	2907.3	3314.8
62.5°	849.8	829.9	956.7	1080.9	1244.9	1408.9	1481.0	1550.5	1940.7	2328.3	2986.8
65°	521.8	524.3	574.0	621.2	802.6	981.5	1038.7	1093.3	1314.5	1535.6	2432.7
67.5°	350.4	357.8	380.2	402.5	489.5	576.5	675.9	775.3	827.5	877.1	1774.2
70°	310.6	313.1	323.0	333.0	357.8	382.7	474.6	566.5	536.7	504.4	1006.4
72.5°	273.3	275.8	293.2	308.1	320.5	333.0	387.6	442.3	407.5	372.7	501.9
75°	223.6	231.1	248.5	263.4	288.2	310.6	323.0	335.5	318.1	298.2	323.0
77.5°	183.9	188.8	201.3	213.7	238.5	260.9	273.3	285.8	258.4	231.1	246.0
80°	144.1	146.6	156.5	166.5	186.4	203.8	218.7	231.1	206.2	178.9	186.4
82.5°	87.0	89.5	104.4	116.8	134.2	149.1	159.0	166.5	173.9	178.9	156.5
85°	47.2	47.2	57.2	67.1	69.6	72.1	82.0	89.5	111.8	131.7	114.3
87.5°	7.5	7.5	9.9	9.9	14.9	17.4	19.9	19.9	22.4	22.4	24.8
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: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	941.8	944.2	944.2	944.2	946.7	949.2	951.7	951.7	954.2	956.7	959.1
5°	782.7	847.3	909.4	919.4	926.8	931.8	936.8	939.3	944.2	949.2	951.7
7.5°	760.4	760.4	760.4	743.0	807.6	815.0	822.5	827.5	832.4	827.5	820.0
10°	588.9	588.9	586.4	591.4	618.7	665.9	710.7	715.6	720.6	680.8	638.6
12.5°	556.6	564.1	571.5	559.1	509.4	551.6	593.9	601.3	603.8	569.0	531.8
15°	479.6	482.1	484.5	501.9	603.8	646.1	688.3	695.8	703.2	665.9	626.2
17.5°	556.6	539.2	519.3	566.5	526.8	554.1	579.0	519.3	574.0	564.1	554.1
20°	566.5	506.9	444.8	529.3	618.7	661.0	700.7	705.7	708.2	678.4	646.1
22.5°	511.9	569.0	626.2	569.0	534.2	529.3	524.3	521.8	524.3	541.7	556.6
25°	658.5	586.4	514.4	646.1	728.1	747.9	767.8	757.9	752.9	715.6	678.4
27.5°	596.4	653.5	708.2	762.8	787.7	815.0	839.9	847.3	807.6	767.8	728.1
30°	790.2	825.0	857.3	969.1	1051.1	1075.9	1100.8	1075.9	1061.0	1011.3	959.1
32.5°	924.4	993.9	1063.5	1061.0	1138.1	1157.9	1175.3	1143.0	1115.7	1061.0	1003.9
35°	1088.4	1133.1	1177.8	1202.7	1279.7	1287.1	1294.6	1252.4	1212.6	1148.0	1083.4
37.5°	1239.9	1297.1	1351.8	1413.9	1481.0	1466.1	1448.7	1396.5	1331.9	1282.2	1232.5
40°	1428.8	1498.4	1567.9	1647.4	1687.2	1664.8	1640.0	1560.5	1498.4	1446.2	1394.0
42.5°	1669.8	1744.4	1816.4	1886.0	1900.9	1876.1	1848.7	1761.7	1667.3	1615.1	1560.5
45°	1953.1	2012.7	2072.4	2144.4	2174.2	2129.5	2082.3	1973.0	1861.1	1786.6	1712.1
47.5°	2268.7	2296.0	2323.3	2447.6	2487.3	2412.8	2335.7	2216.5	2059.9	1963.0	1863.6
50°	2658.8	2651.3	2641.4	2750.7	2842.7	2718.4	2591.7	2452.5	2298.5	2161.8	2022.7
52.5°	3083.7	3011.6	2937.1	3083.7	3128.4	2979.3	2830.2	2681.1	2527.1	2350.7	2171.7
55°	3394.3	3354.5	3314.8	3419.1	3414.2	3240.2	3063.8	2887.4	2760.7	2524.6	2288.5
57.5°	3627.9	3662.6	3695.0	3799.3	3680.0	3481.3	3282.5	3106.0	2996.7	2701.0	2405.3
60°	3719.8	3898.7	4075.1	4137.3	3955.9	3732.2	3506.1	3332.2	3240.2	2882.4	2524.6
62.5°	3645.3	4040.3	4435.4	4447.9	4209.3	3958.3	3707.4	3565.7	3518.5	3078.7	2636.4
65°	3329.7	3980.7	4629.2	4674.0	4405.6	4142.2	3876.3	3772.0	3801.8	3262.6	2720.9
67.5°	2668.7	3617.9	4564.6	4711.2	4452.8	4174.5	3896.2	3858.9	3970.8	3352.0	2733.3
70°	1508.3	2780.5	4050.3	4457.8	4321.1	4045.3	3767.0	3784.4	3950.9	3302.3	2653.8
72.5°	628.7	1923.3	3217.9	3856.5	3975.7	3742.2	3506.1	3570.7	3685.0	3068.8	2450.0
75°	347.9	1227.5	2107.1	2957.0	3324.7	3262.6	3198.0	3270.0	3215.4	2619.0	2022.7
77.5°	258.4	663.5	1068.5	1980.4	2502.2	2643.9	2783.0	2817.8	2512.2	1913.3	1314.5
80°	193.8	315.6	434.8	1011.3	1341.8	1595.3	1848.7	1692.2	1478.5	1033.7	588.9
82.5°	134.2	181.4	228.6	325.5	521.8	601.3	678.4	646.1	484.5	340.4	193.8
85°	94.4	119.3	144.1	178.9	223.6	178.9	134.2	109.3	126.7	116.8	106.8
87.5°	24.8	24.8	22.4	24.8	17.4	14.9	12.4	9.9	9.9	9.9	9.9
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: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6	961.6
2.5°	961.6	964.1	964.1	964.1	964.1	961.6	949.2	936.8	907.0	877.1	867.2
5°	919.4	887.1	862.2	837.4	837.4	837.4	842.4	847.3	849.8	852.3	854.8
7.5°	820.0	817.5	827.5	837.4	844.8	852.3	857.3	862.2	852.3	842.4	820.0
10°	641.1	641.1	653.5	663.5	680.8	698.2	747.9	797.6	839.9	882.1	889.6
12.5°	581.5	628.7	601.3	571.5	633.6	695.8	750.4	802.6	844.8	884.6	852.3
15°	583.9	539.2	549.1	559.1	626.2	693.3	643.6	591.4	690.8	787.7	810.1
17.5°	556.6	559.1	603.8	648.5	581.5	511.9	598.8	685.8	723.1	757.9	725.6
20°	571.5	494.5	546.7	598.8	646.1	690.8	646.1	598.8	611.3	623.7	708.2
22.5°	603.8	651.0	606.3	561.6	616.2	668.4	646.1	623.7	663.5	700.7	665.9
25°	601.3	521.8	596.4	670.9	621.2	569.0	596.4	623.7	603.8	581.5	646.1
27.5°	693.3	658.5	638.6	616.2	643.6	670.9	613.8	556.6	556.6	556.6	549.1
30°	867.2	775.3	735.5	693.3	626.2	559.1	539.2	519.3	521.8	524.3	561.6
32.5°	969.1	934.3	815.0	695.8	633.6	571.5	519.3	467.1	472.1	477.1	524.3
35°	1058.5	1031.2	872.2	710.7	608.8	504.4	459.7	412.5	434.8	454.7	494.5
37.5°	1160.4	1085.9	869.7	651.0	541.7	432.4	405.0	377.7	392.6	405.0	429.9
40°	1252.4	1108.2	847.3	583.9	474.6	362.8	350.4	335.5	347.9	360.3	375.2
42.5°	1351.8	1140.5	815.0	487.0	400.1	313.1	308.1	303.1	315.6	328.0	337.9
45°	1428.8	1145.5	772.8	397.6	340.4	283.3	283.3	280.8	293.2	303.1	308.1
47.5°	1478.5	1090.8	705.7	318.1	293.2	268.4	270.8	270.8	280.8	288.2	290.7
50°	1513.3	1001.4	641.1	280.8	268.4	255.9	255.9	255.9	265.9	273.3	278.3
52.5°	1538.1	902.0	581.5	258.4	253.5	246.0	246.0	243.5	255.9	268.4	270.8
55°	1545.6	800.1	521.8	241.0	236.1	231.1	236.1	238.5	253.5	265.9	268.4
57.5°	1563.0	720.6	472.1	223.6	221.2	218.7	226.1	233.6	248.5	263.4	263.4
60°	1597.7	668.4	437.3	206.2	206.2	206.2	218.7	228.6	243.5	258.4	255.9
62.5°	1630.1	621.2	405.0	188.8	191.3	193.8	208.7	223.6	238.5	253.5	251.0
65°	1635.0	546.7	360.3	173.9	178.9	181.4	198.8	216.2	231.1	246.0	241.0
67.5°	1580.4	427.4	293.2	159.0	166.5	171.5	191.3	208.7	223.6	236.1	231.1
70°	1481.0	305.6	226.1	146.6	154.1	159.0	178.9	196.3	208.7	221.2	216.2
72.5°	1334.4	218.7	176.4	134.2	139.2	144.1	161.5	178.9	193.8	206.2	201.3
75°	1100.8	176.4	149.1	121.8	126.7	129.2	146.6	161.5	176.4	188.8	181.4
77.5°	730.5	144.1	126.7	109.3	111.8	114.3	129.2	141.6	154.1	164.0	159.0
80°	352.8	116.8	106.8	94.4	96.9	96.9	109.3	121.8	131.7	139.2	136.7
82.5°	144.1	91.9	84.5	77.0	77.0	77.0	89.5	99.4	109.3	116.8	111.8
85°	89.5	72.1	67.1	59.6	57.2	54.7	59.6	64.6	69.6	72.1	69.6
87.5°	12.4	12.4	14.9	17.4	14.9	9.9	14.9	19.9	19.9	17.4	14.9
90°	0.0	0.0	7.5	7.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560717

CATALOG NUMBER: SDL-PA1-60-730-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	961.6	961.6	961.6	961.6
2.5°	857.3	857.3	857.3	862.2
5°	854.8	854.8	854.8	859.8
7.5°	797.6	772.8	747.9	750.4
10°	894.5	897.0	897.0	899.5
12.5°	817.5	777.8	738.0	743.0
15°	832.4	832.4	829.9	832.4
17.5°	693.3	680.8	668.4	668.4
20°	792.7	792.7	792.7	792.7
22.5°	631.1	628.7	626.2	628.7
25°	710.7	713.1	713.1	710.7
27.5°	541.7	574.0	603.8	606.3
30°	596.4	596.4	596.4	596.4
32.5°	571.5	596.4	621.2	623.7
35°	531.8	529.3	526.8	534.2
37.5°	452.2	447.3	442.3	442.3
40°	390.1	380.2	370.2	370.2
42.5°	345.4	337.9	328.0	325.5
45°	313.1	305.6	295.7	295.7
47.5°	290.7	285.8	280.8	278.3
50°	280.8	275.8	270.8	270.8
52.5°	273.3	270.8	265.9	265.9
55°	268.4	265.9	260.9	260.9
57.5°	263.4	260.9	255.9	255.9
60°	253.5	251.0	248.5	248.5
62.5°	246.0	243.5	241.0	241.0
65°	236.1	236.1	233.6	231.1
67.5°	223.6	223.6	223.6	218.7
70°	208.7	208.7	208.7	203.8
72.5°	193.8	193.8	191.3	183.9
75°	173.9	171.5	169.0	164.0
77.5°	154.1	149.1	144.1	141.6
80°	131.7	126.7	121.8	116.8
82.5°	104.4	101.9	96.9	84.5
85°	64.6	57.2	47.2	42.2
87.5°	12.4	9.9	7.5	2.5
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982





--- HS --- SS

u



(END OF REPORT)