

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: P560694

Luminaire Tested: **SDL-PA1-60-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4529.2 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

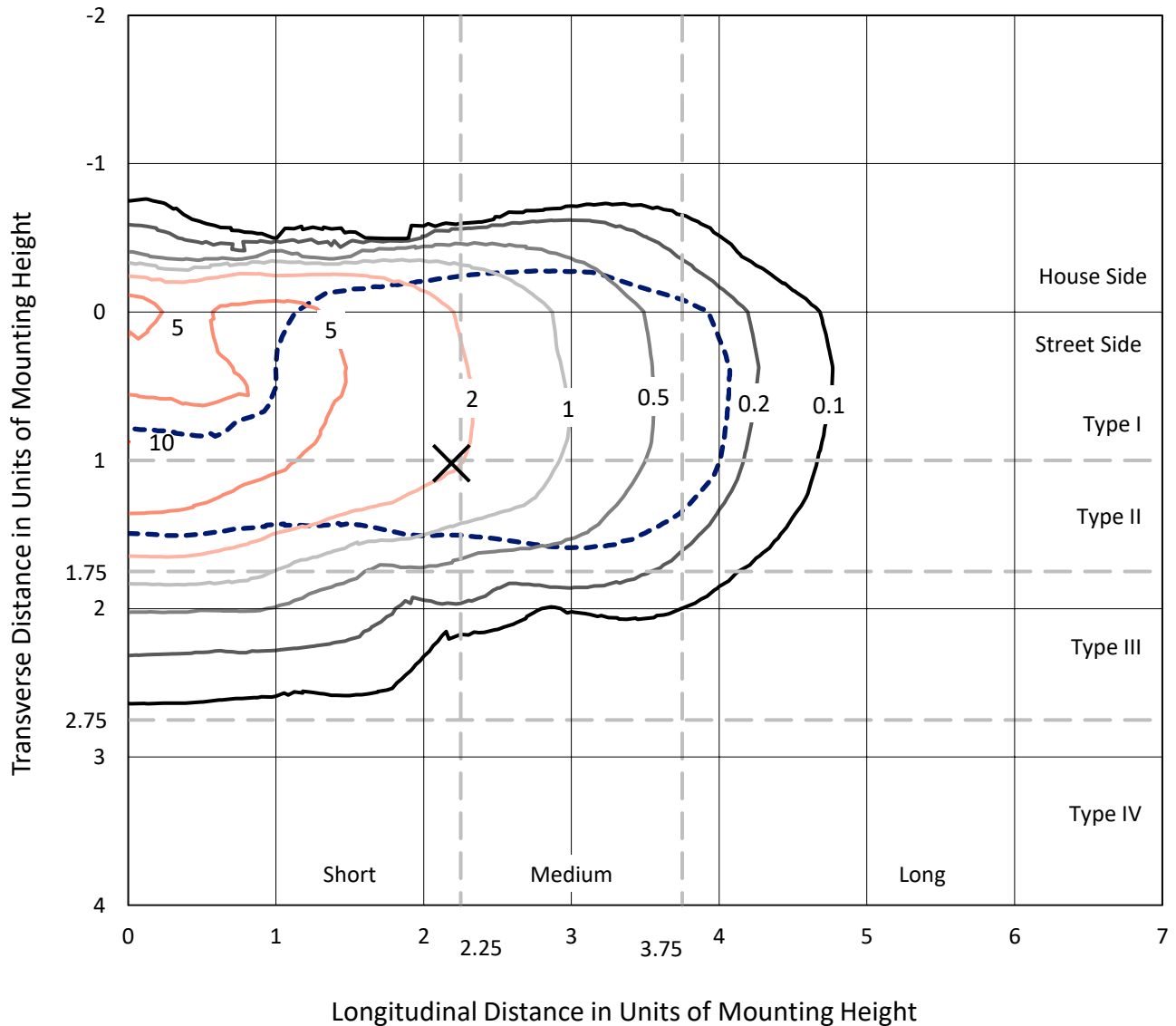
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560694
 CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

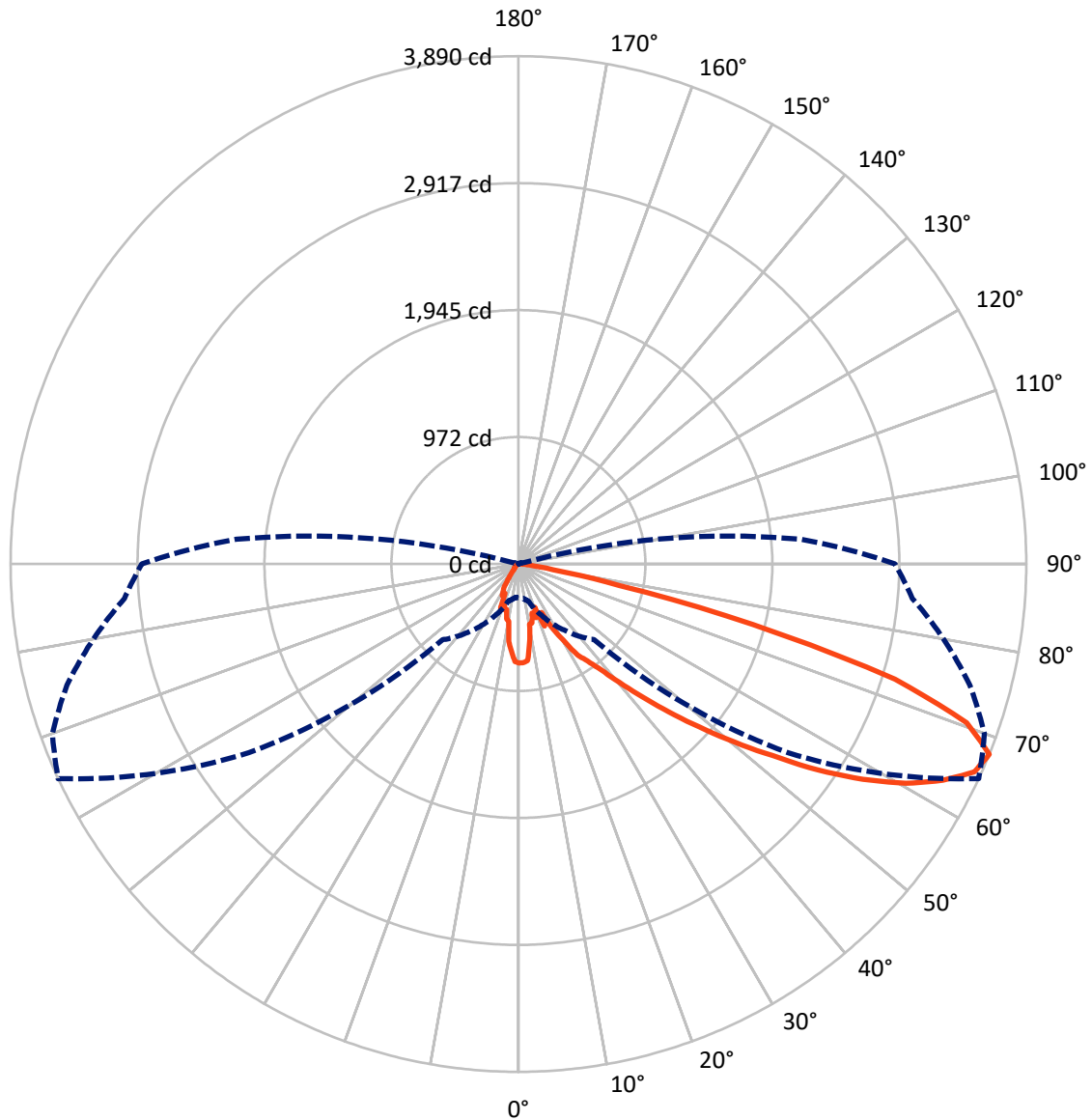
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P560694
CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560694

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

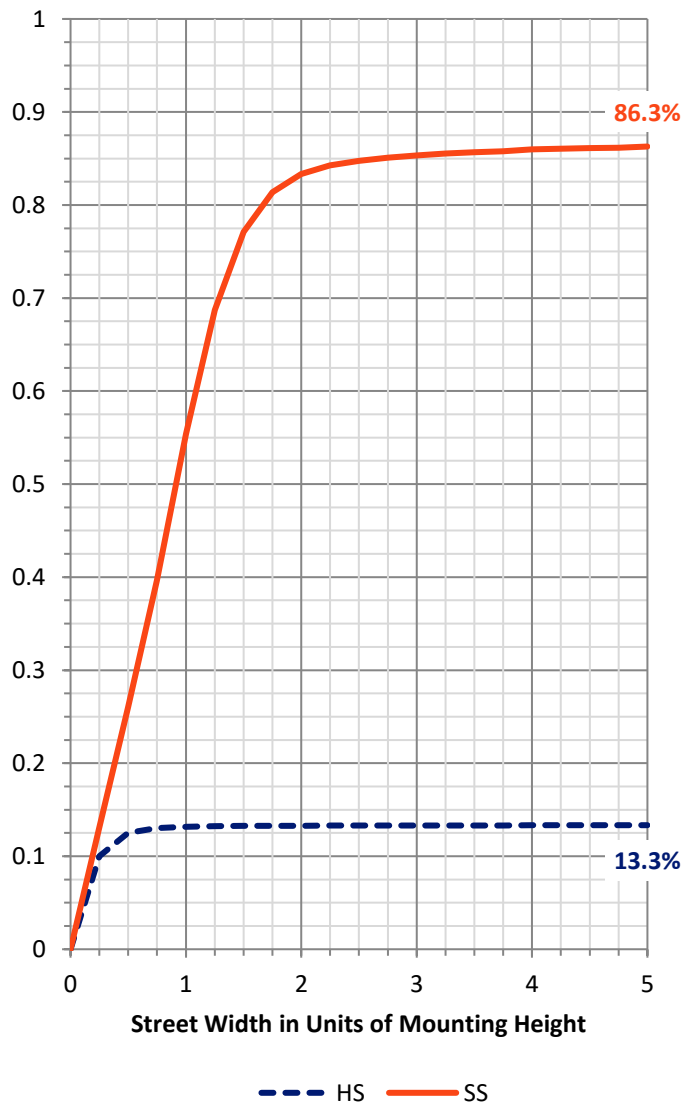
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.4	0.0	612.4
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3916.7	0.0	3916.7
	% Fixture	86.5	0.0	86.5
Total	Lumens	4529.2	0.0	4529.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	112.6	2.5
20°-30°	170.0	3.8
30°-40°	391.5	8.6
40°-50°	858.9	19.0
50°-60°	1261.0	27.8
60°-70°	1095.3	24.2
70°-80°	543.1	12.0
80°-90°	38.6	0.9
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°	4529.2	100.0
0°-180°	4529.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560694

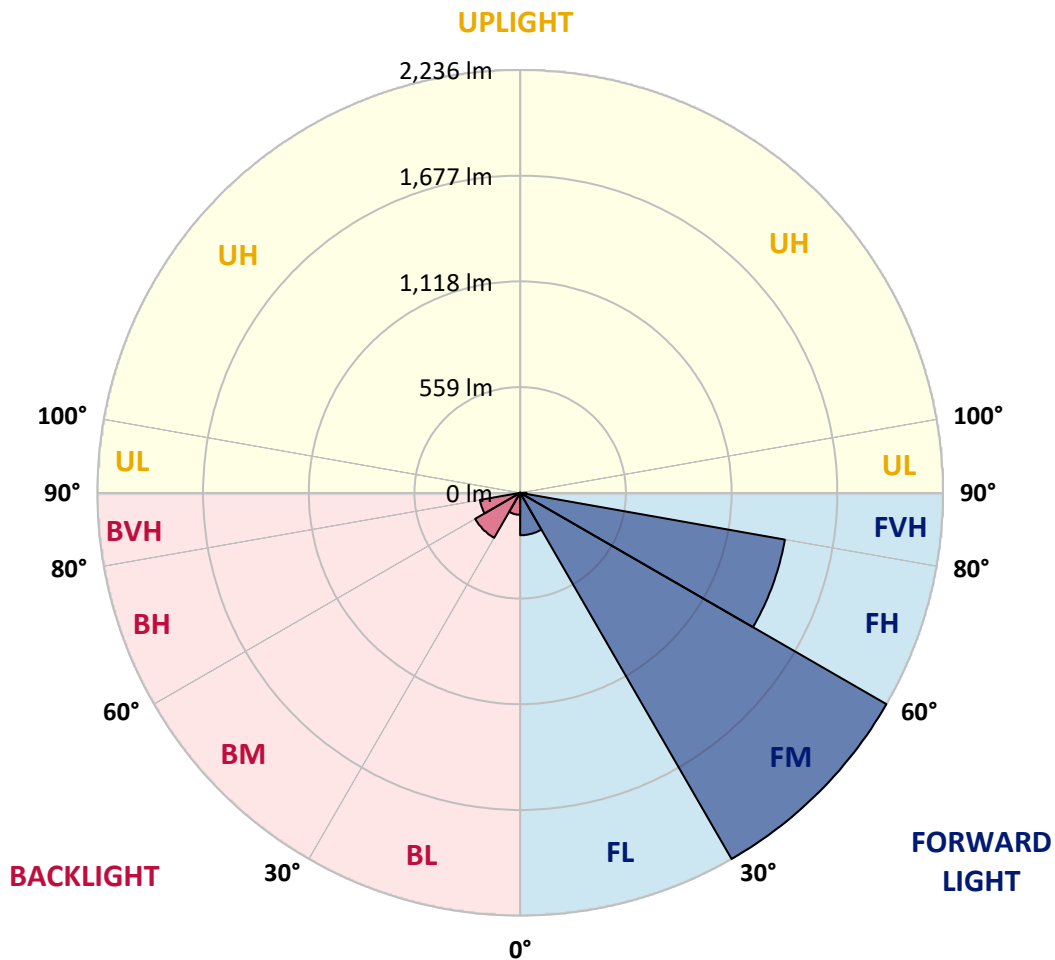
CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.5	5.0			
FM (30°-60°)	2236.4	49.4			
FH (60°-80°)	1421.9	31.4			G1/1800
FVH (80°-90°)	33.9	0.7			G1/100
BL (0°-30°)	116.3	2.6	B1/500		
BM (30°-60°)	275.1	6.1	B1/1000		
BH (60°-80°)	216.4	4.8	B1/500		G1/500
BVH (80°-90°)	4.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P560694

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3
2.5°	634.9	687.5	703.5	719.4	733.2	746.9	749.1	751.4	756.0	758.3	760.6
5°	621.2	623.5	623.5	621.2	623.5	625.8	625.8	625.8	625.8	625.8	628.1
7.5°	497.9	557.3	575.6	591.5	600.7	607.5	612.1	614.4	616.7	619.0	621.2
10°	600.7	598.4	600.7	600.7	603.0	603.0	550.4	497.9	516.2	532.2	504.8
12.5°	477.3	525.3	545.9	566.4	580.1	591.5	568.7	543.6	495.6	445.4	447.7
15°	575.6	575.6	575.6	575.6	532.2	486.5	456.8	424.8	449.9	472.8	427.1
17.5°	463.6	463.6	504.8	545.9	545.9	543.6	513.9	481.9	418.0	354.0	411.1
20°	573.3	573.3	575.6	577.8	502.5	427.1	452.2	475.1	484.2	493.3	472.8
22.5°	468.2	468.2	475.1	479.6	507.0	534.4	461.4	388.3	447.7	507.0	465.9
25°	605.3	607.5	612.1	614.4	545.9	475.1	507.0	539.0	475.1	411.1	475.1
27.5°	548.2	539.0	539.0	536.7	559.6	580.1	534.4	488.8	529.9	571.0	523.0
30°	769.7	762.8	753.7	744.6	657.8	571.0	573.3	573.3	557.3	541.3	568.7
32.5°	1066.6	1055.2	977.5	899.9	835.9	772.0	705.7	639.5	662.3	682.9	669.2
35°	1432.0	1432.0	1359.0	1285.9	1142.0	998.1	886.2	772.0	762.8	753.7	767.4
37.5°	1866.0	1820.3	1733.5	1646.7	1468.6	1288.2	1116.9	945.6	925.0	902.2	879.3
40°	2188.0	2181.2	2114.9	2048.7	1829.5	1610.2	1409.2	1205.9	1139.7	1071.2	1020.9
42.5°	2523.8	2498.7	2446.1	2391.3	2169.8	1945.9	1731.2	1514.3	1422.9	1331.6	1242.5
45°	2765.9	2759.0	2713.3	2667.7	2487.2	2304.5	2080.7	1854.6	1795.2	1735.8	1569.1
47.5°	2916.6	2877.8	2859.5	2839.0	2683.7	2528.3	2338.8	2146.9	2137.8	2126.4	1916.2
50°	2870.9	2836.7	2841.2	2845.8	2770.4	2695.1	2551.2	2405.0	2430.1	2455.3	2281.7
52.5°	2628.8	2599.1	2640.3	2679.1	2676.8	2674.5	2622.0	2567.2	2658.5	2747.6	2628.8
55°	2144.6	2165.2	2247.4	2329.6	2384.5	2437.0	2512.4	2585.4	2759.0	2930.3	2907.5
57.5°	1681.0	1726.7	1811.2	1893.4	1982.5	2069.3	2229.1	2389.0	2681.4	2971.4	3071.9
60°	1128.3	1158.0	1306.4	1452.6	1534.8	1617.0	1790.6	1961.9	2359.3	2754.5	3017.1
62.5°	701.2	717.2	801.7	886.2	1052.9	1219.6	1306.4	1390.9	1820.3	2247.4	2733.9
65°	431.7	427.1	461.4	493.3	657.8	819.9	877.0	931.9	1217.4	1500.6	2256.6
67.5°	258.1	255.8	274.1	292.3	367.7	443.1	532.2	621.2	721.7	819.9	1671.9
70°	210.1	214.7	221.5	228.4	249.0	269.5	351.7	434.0	431.7	429.4	1004.9
72.5°	175.9	180.4	194.1	205.6	221.5	235.2	283.2	328.9	308.3	287.8	479.6
75°	130.2	132.5	150.7	166.7	191.9	214.7	226.1	235.2	226.1	217.0	242.1
77.5°	86.8	86.8	102.8	118.8	143.9	169.0	182.7	196.4	180.4	164.4	171.3
80°	54.8	54.8	64.0	70.8	95.9	121.1	137.0	153.0	139.3	123.3	121.1
82.5°	32.0	34.3	38.8	43.4	59.4	75.4	86.8	98.2	114.2	127.9	102.8
85°	13.7	16.0	20.6	22.8	32.0	38.8	45.7	52.5	66.2	79.9	66.2
87.5°	2.3	2.3	4.6	6.9	9.1	11.4	11.4	11.4	11.4	9.1	11.4
90°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6



REPORT NUMBER: P560694

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3
2.5°	760.6	758.3	756.0	756.0	756.0	753.7	751.4	751.4	751.4	749.1	746.9
5°	628.1	685.2	742.3	744.6	749.1	746.9	744.6	742.3	740.0	737.7	733.2
7.5°	621.2	616.7	612.1	596.1	650.9	650.9	648.6	648.6	644.1	625.8	607.5
10°	475.1	472.8	468.2	475.1	486.5	525.3	561.9	559.6	552.7	509.3	465.9
12.5°	449.9	456.8	463.6	440.8	397.4	434.0	470.5	465.9	461.4	422.5	381.4
15°	381.4	386.0	390.6	427.1	493.3	527.6	559.6	555.0	550.4	504.8	456.8
17.5°	468.2	449.9	431.7	456.8	434.0	449.9	465.9	447.7	434.0	415.7	397.4
20°	449.9	402.0	354.0	427.1	511.6	539.0	566.4	559.6	545.9	502.5	456.8
22.5°	422.5	470.5	516.2	493.3	452.2	427.1	402.0	390.6	381.4	383.7	386.0
25°	536.7	475.1	411.1	520.7	587.0	596.1	603.0	582.4	559.6	511.6	461.4
27.5°	472.8	518.5	561.9	605.3	628.1	634.9	639.5	669.2	621.2	557.3	493.3
30°	596.1	634.9	673.8	769.7	847.4	861.1	874.8	840.5	801.7	724.0	646.4
32.5°	655.5	744.6	831.4	877.0	909.0	920.4	931.9	886.2	842.8	742.3	639.5
35°	778.8	845.1	911.3	963.8	1025.5	1027.8	1030.1	979.8	925.0	778.8	632.7
37.5°	854.2	941.0	1025.5	1084.9	1180.8	1174.0	1167.1	1107.7	1041.5	835.9	630.4
40°	968.4	1080.3	1189.9	1247.0	1363.5	1343.0	1322.4	1253.9	1180.8	897.6	614.4
42.5°	1153.4	1272.2	1390.9	1438.9	1566.8	1544.0	1518.8	1427.5	1333.8	947.8	561.9
45°	1400.1	1507.4	1614.8	1699.3	1799.8	1763.2	1726.7	1628.5	1491.4	991.2	491.1
47.5°	1703.8	1783.8	1863.7	2030.4	2103.5	2030.4	1955.1	1836.3	1662.7	1027.8	392.8
50°	2108.1	2126.4	2142.4	2350.2	2423.3	2311.4	2199.5	2046.4	1838.6	1068.9	296.9
52.5°	2507.8	2473.5	2437.0	2660.8	2688.2	2539.8	2389.0	2229.1	1968.8	1091.7	212.4
55°	2884.6	2836.7	2786.4	2946.3	2928.0	2731.6	2535.2	2341.1	2048.7	1098.6	148.5
57.5°	3172.4	3142.7	3110.8	3183.8	3115.3	2884.6	2654.0	2459.8	2108.1	1110.0	109.6
60°	3277.5	3343.7	3410.0	3400.8	3275.2	3030.8	2786.4	2580.9	2144.6	1114.6	82.2
62.5°	3220.4	3435.1	3647.5	3560.7	3407.7	3149.6	2889.2	2690.5	2160.6	1112.3	64.0
65°	3012.5	3425.9	3837.1	3693.2	3501.3	3243.2	2985.1	2807.0	2178.9	1114.6	50.2
67.5°	2521.5	3206.7	3889.6	3798.2	3579.0	3304.9	3028.5	2884.6	2169.8	1105.4	41.1
70°	1578.2	2610.6	3642.9	3713.7	3579.0	3277.5	2976.0	2861.8	2087.5	1059.8	32.0
72.5°	669.2	1843.2	3017.1	3325.4	3419.1	3126.7	2834.4	2692.8	1911.7	968.4	25.1
75°	264.9	1059.8	1854.6	2343.3	2631.1	2507.8	2382.2	2192.6	1253.9	637.2	18.3
77.5°	178.1	484.2	790.3	1151.1	1372.7	1420.6	1468.6	1251.6	500.2	258.1	13.7
80°	118.8	194.1	269.5	413.4	493.3	465.9	436.2	358.6	153.0	82.2	11.4
82.5°	75.4	100.5	125.6	141.6	146.2	105.1	64.0	52.5	18.3	13.7	6.9
85°	50.2	59.4	68.5	70.8	70.8	50.2	27.4	13.7	6.9	6.9	4.6
87.5°	13.7	16.0	16.0	16.0	11.4	9.1	6.9	4.6	4.6	4.6	4.6
90°	6.9	9.1	9.1	9.1	6.9	6.9	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P560694

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3
2.5°	746.9	746.9	744.6	742.3	742.3	740.0	717.2	692.0	669.2	644.1	641.8
5°	703.5	671.5	641.8	612.1	607.5	600.7	600.7	598.4	598.4	596.1	596.1
7.5°	603.0	598.4	593.8	589.3	587.0	582.4	580.1	575.6	573.3	568.7	543.6
10°	456.8	445.4	445.4	443.1	447.7	452.2	449.9	445.4	475.1	504.8	502.5
12.5°	406.5	429.4	408.8	386.0	392.8	397.4	404.3	411.1	408.8	404.3	370.0
15°	408.8	358.6	342.6	324.3	333.5	340.3	280.9	219.3	207.8	196.4	182.7
17.5°	381.4	365.4	354.0	340.3	260.4	178.1	159.9	141.6	125.6	107.3	105.1
20°	386.0	312.9	292.3	269.5	207.8	146.2	111.9	77.7	68.5	59.4	68.5
22.5°	376.9	365.4	267.2	169.0	125.6	82.2	68.5	52.5	57.1	61.7	61.7
25°	354.0	246.7	191.9	137.0	95.9	52.5	54.8	54.8	50.2	43.4	48.0
27.5°	383.7	271.8	173.6	73.1	64.0	52.5	48.0	41.1	41.1	41.1	38.8
30°	443.1	237.5	148.5	59.4	50.2	41.1	38.8	36.5	34.3	29.7	32.0
32.5°	420.2	201.0	125.6	50.2	43.4	36.5	32.0	27.4	27.4	27.4	27.4
35°	381.4	127.9	86.8	43.4	36.5	29.7	27.4	22.8	22.8	22.8	22.8
37.5°	356.3	82.2	59.4	34.3	29.7	25.1	22.8	18.3	18.3	18.3	20.6
40°	335.7	57.1	43.4	29.7	25.1	18.3	16.0	13.7	16.0	16.0	16.0
42.5°	306.1	48.0	36.5	25.1	20.6	16.0	13.7	11.4	13.7	13.7	13.7
45°	267.2	43.4	32.0	20.6	18.3	13.7	11.4	9.1	11.4	11.4	11.4
47.5°	214.7	36.5	27.4	18.3	16.0	11.4	11.4	9.1	9.1	9.1	9.1
50°	166.7	34.3	25.1	16.0	13.7	9.1	9.1	6.9	9.1	9.1	9.1
52.5°	121.1	29.7	22.8	13.7	11.4	6.9	6.9	6.9	6.9	6.9	6.9
55°	86.8	25.1	18.3	11.4	9.1	6.9	6.9	4.6	6.9	6.9	6.9
57.5°	66.2	22.8	16.0	9.1	6.9	4.6	4.6	4.6	4.6	4.6	4.6
60°	52.5	20.6	16.0	9.1	6.9	4.6	4.6	2.3	4.6	4.6	4.6
62.5°	41.1	16.0	13.7	9.1	6.9	4.6	4.6	2.3	4.6	4.6	4.6
65°	32.0	13.7	11.4	6.9	4.6	2.3	2.3	2.3	4.6	4.6	4.6
67.5°	27.4	11.4	9.1	6.9	4.6	2.3	4.6	4.6	4.6	4.6	4.6
70°	22.8	11.4	9.1	6.9	4.6	2.3	4.6	4.6	6.9	6.9	4.6
72.5°	18.3	9.1	6.9	4.6	4.6	2.3	4.6	4.6	6.9	6.9	4.6
75°	13.7	6.9	6.9	4.6	4.6	2.3	4.6	6.9	6.9	6.9	4.6
77.5°	11.4	6.9	6.9	4.6	4.6	2.3	4.6	6.9	6.9	6.9	6.9
80°	9.1	4.6	4.6	4.6	2.3	0.0	4.6	9.1	9.1	6.9	6.9
82.5°	6.9	4.6	4.6	4.6	2.3	0.0	4.6	9.1	9.1	6.9	6.9
85°	4.6	4.6	4.6	4.6	4.6	2.3	6.9	9.1	9.1	6.9	6.9
87.5°	4.6	4.6	4.6	4.6	4.6	2.3	4.6	6.9	6.9	6.9	6.9
90°	4.6	4.6	6.9	6.9	4.6	2.3	4.6	6.9	6.9	6.9	6.9



REPORT NUMBER: P560694

CATALOG NUMBER: SDL-PA1-60-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	758.3	758.3	758.3	758.3
2.5°	637.2	641.8	644.1	639.5
5°	593.8	593.8	591.5	598.4
7.5°	516.2	502.5	486.5	475.1
10°	497.9	486.5	475.1	477.3
12.5°	333.5	299.2	264.9	276.4
15°	169.0	159.9	150.7	150.7
17.5°	100.5	91.4	79.9	82.2
20°	75.4	75.4	75.4	75.4
22.5°	59.4	57.1	52.5	50.2
25°	50.2	50.2	50.2	50.2
27.5°	36.5	36.5	34.3	32.0
30°	32.0	32.0	32.0	29.7
32.5°	25.1	27.4	27.4	27.4
35°	22.8	22.8	22.8	22.8
37.5°	20.6	20.6	18.3	18.3
40°	16.0	16.0	16.0	16.0
42.5°	13.7	13.7	13.7	13.7
45°	11.4	11.4	11.4	11.4
47.5°	9.1	9.1	9.1	9.1
50°	9.1	9.1	6.9	6.9
52.5°	6.9	6.9	4.6	4.6
55°	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	2.3	2.3
60°	4.6	4.6	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	0.0	0.0
67.5°	2.3	2.3	0.0	0.0
70°	2.3	2.3	0.0	0.0
72.5°	2.3	2.3	0.0	0.0
75°	2.3	2.3	0.0	0.0
77.5°	4.6	2.3	0.0	0.0
80°	4.6	4.6	2.3	0.0
82.5°	4.6	4.6	2.3	0.0
85°	4.6	4.6	2.3	0.0
87.5°	4.6	4.6	2.3	0.0
90°	4.6	4.6	2.3	0.0

(END OF REPORT)