

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: P561002

Luminaire Tested: **SDL-PA1-70-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561002
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-PA1-70-830-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 930mA 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: 4879.8 lumens
Efficiency: N/A
Efficacy: 67.6 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

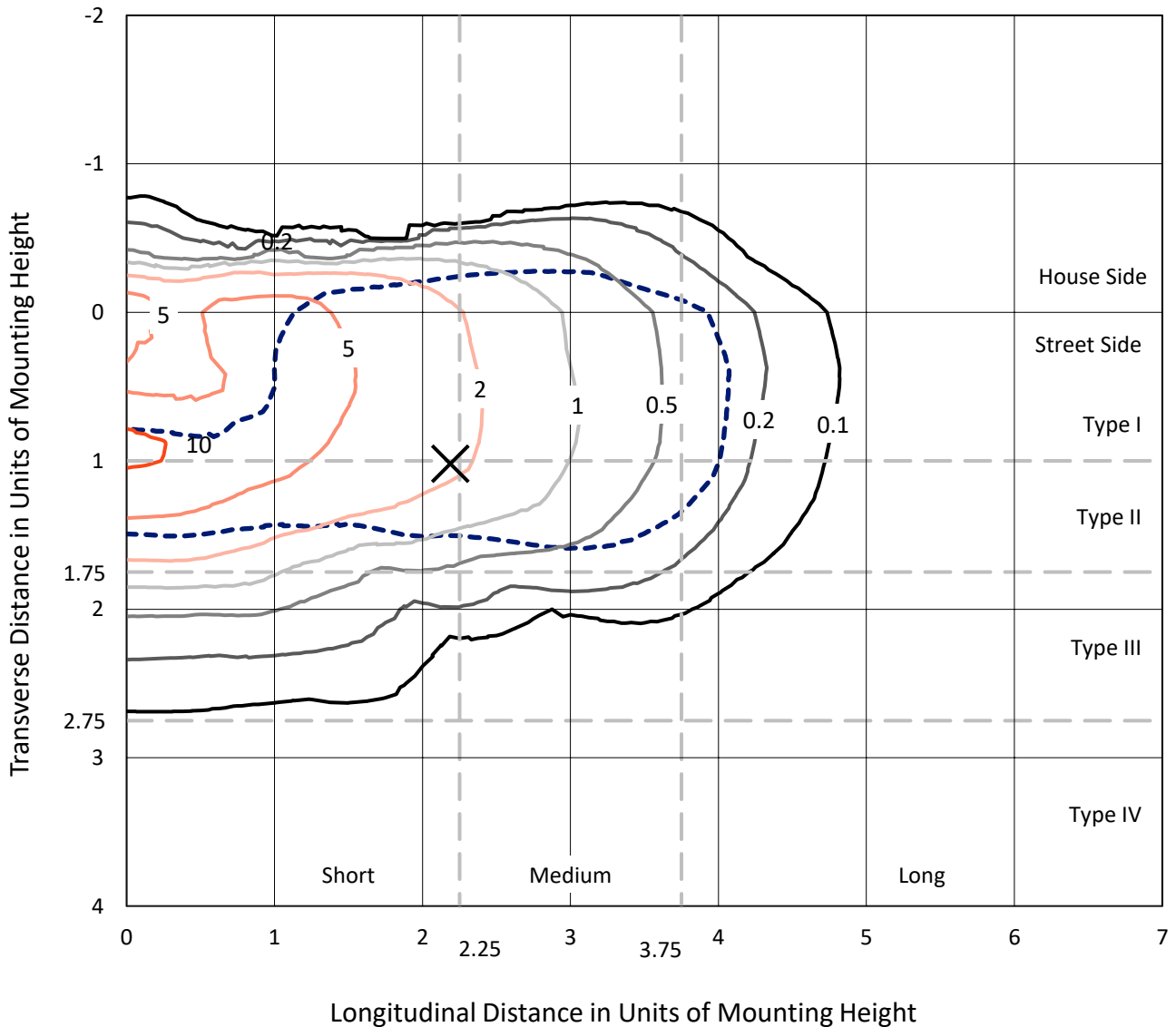
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561002
 CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

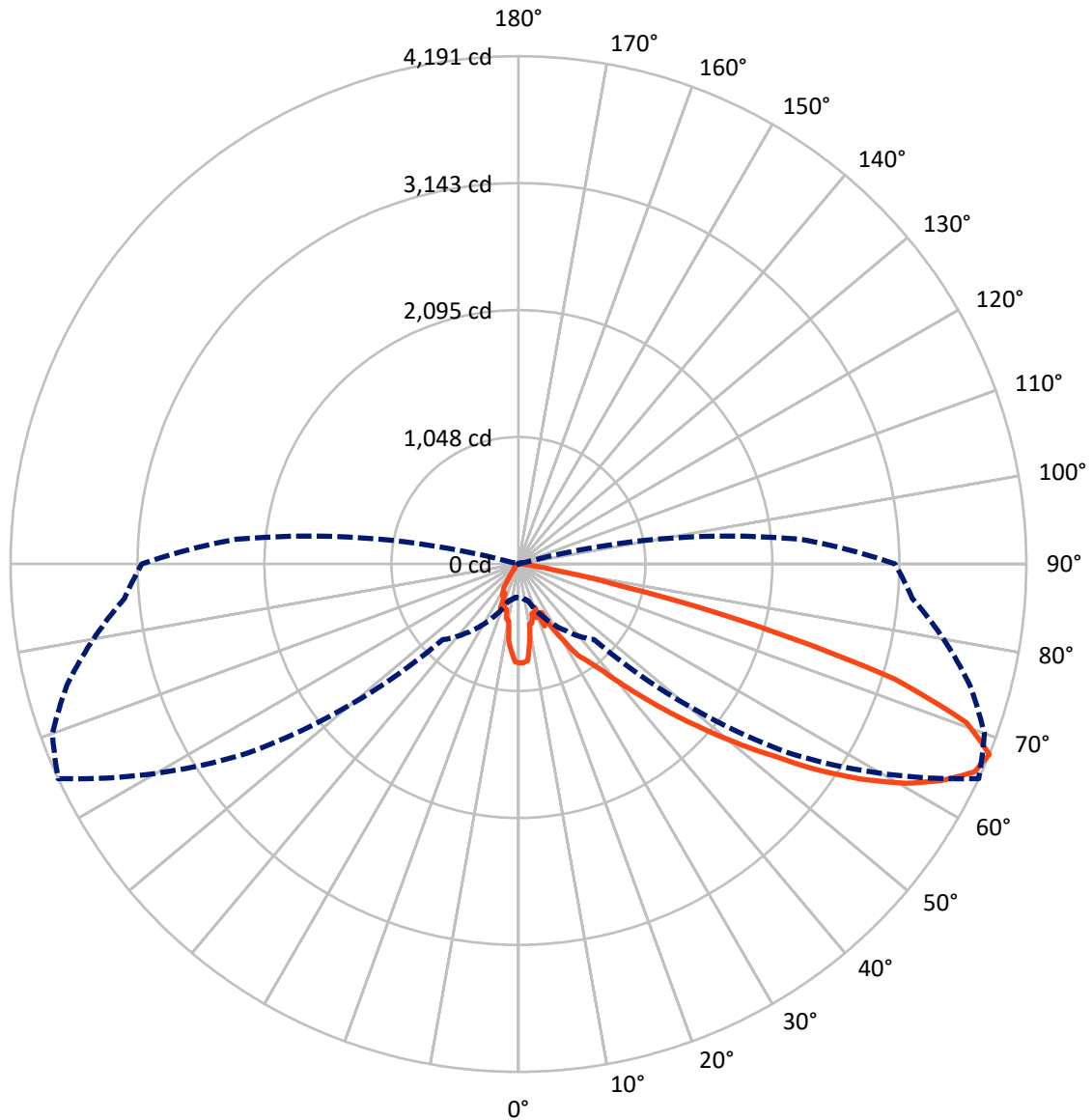
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

REPORT NUMBER: P561002
CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P561002

CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

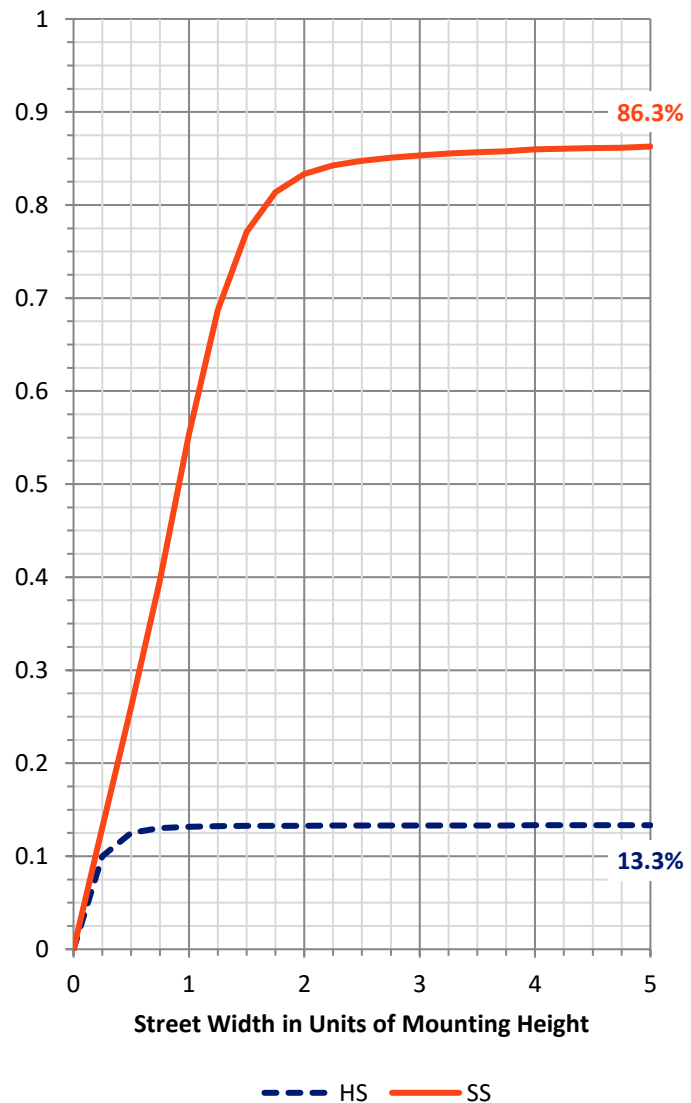
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.8	0.0	659.8
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4219.9	0.0	4219.9
	% Fixture	86.5	0.0	86.5
Total	Lumens	4879.8	0.0	4879.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	1.3
10°-20°	121.3	2.5
20°-30°	183.2	3.8
30°-40°	421.9	8.6
40°-50°	925.4	19.0
50°-60°	1358.6	27.8
60°-70°	1180.0	24.2
70°-80°	585.1	12.0
80°-90°	41.5	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°	4879.8	100.0
0°-180°	4879.8	100.0

Coefficient of Utilization



REPORT NUMBER: P561002

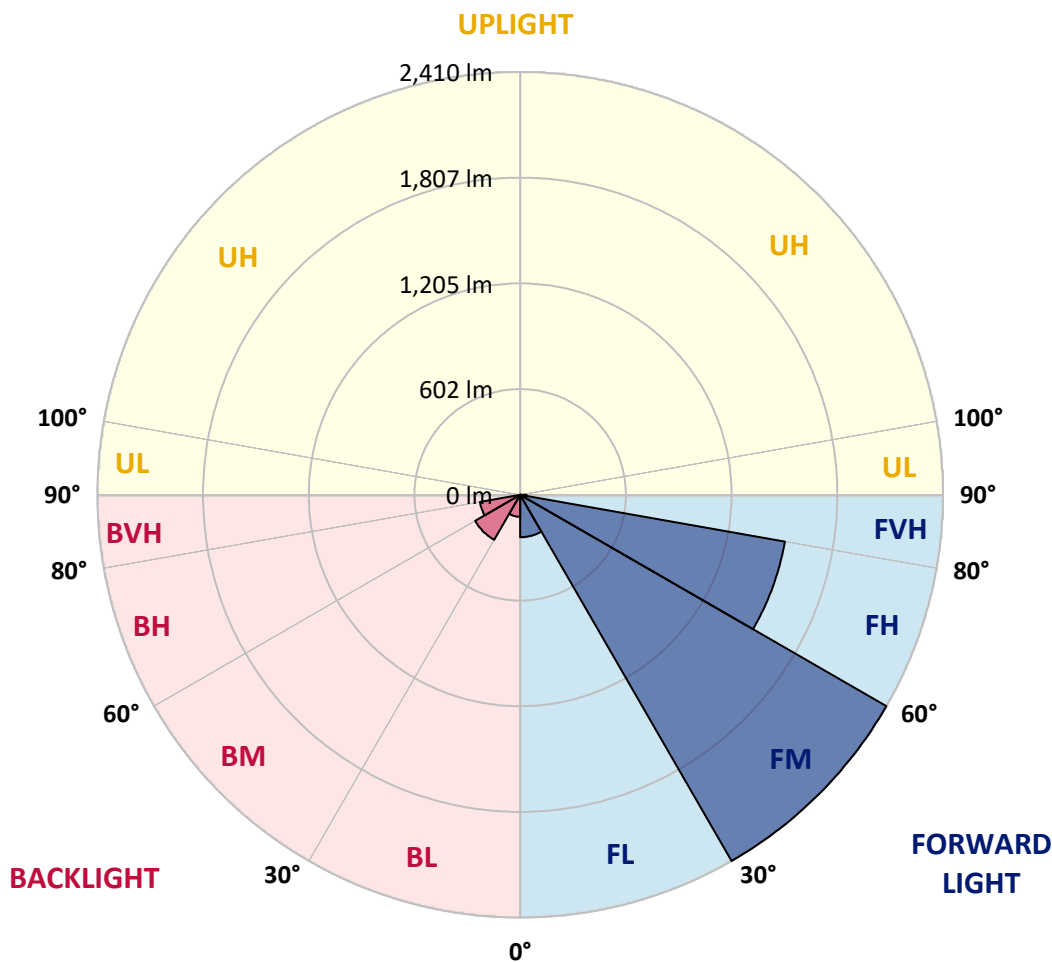
CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.9	5.0			
FM (30°-60°)	2409.5	49.4			
FH (60°-80°)	1532.0	31.4			G1/1800
FVH (80°-90°)	36.5	0.7			G1/100
BL (0°-30°)	125.3	2.6	B1/500		
BM (30°-60°)	296.4	6.1	B1/1000		
BH (60°-80°)	233.1	4.8	B1/500		G1/500
BVH (80°-90°)	5.0	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: P561002

CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	684.1	740.7	757.9	775.1	789.9	804.7	807.1	809.6	814.5	817.0	819.4
5°	669.3	671.8	671.8	669.3	671.8	674.3	674.3	674.3	674.3	674.3	676.7
7.5°	536.4	600.4	620.1	637.3	647.2	654.6	659.5	661.9	664.4	666.9	669.3
10°	647.2	644.7	647.2	647.2	649.6	649.6	593.0	536.4	556.1	573.4	543.8
12.5°	514.3	566.0	588.1	610.3	625.0	637.3	612.7	585.7	534.0	479.9	482.3
15°	620.1	620.1	620.1	620.1	573.4	524.1	492.2	457.7	484.8	509.4	460.2
17.5°	499.5	499.5	543.8	588.1	588.1	585.7	553.7	519.2	450.3	381.4	442.9
20°	617.7	617.7	620.1	622.6	541.4	460.2	487.2	511.8	521.7	531.5	509.4
22.5°	504.5	504.5	511.8	516.8	546.3	575.8	497.1	418.3	482.3	546.3	502.0
25°	652.1	654.6	659.5	661.9	588.1	511.8	546.3	580.7	511.8	442.9	511.8
27.5°	590.6	580.7	580.7	578.3	602.9	625.0	575.8	526.6	570.9	615.2	563.5
30°	829.3	821.9	812.1	802.2	708.7	615.2	617.7	617.7	600.4	583.2	612.7
32.5°	1149.2	1136.9	1053.2	969.5	900.6	831.7	760.4	689.0	713.6	735.8	721.0
35°	1542.9	1542.9	1464.2	1385.4	1230.4	1075.4	954.8	831.7	821.9	812.1	826.8
37.5°	2010.5	1961.2	1867.7	1774.2	1582.3	1387.9	1203.3	1018.8	996.6	972.0	947.4
40°	2357.4	2350.0	2278.7	2207.3	1971.1	1734.8	1518.3	1299.3	1227.9	1154.1	1100.0
42.5°	2719.2	2692.1	2635.5	2576.4	2337.7	2096.6	1865.3	1631.5	1533.1	1434.6	1338.7
45°	2980.0	2972.6	2923.4	2874.2	2679.8	2482.9	2241.8	1998.2	1934.2	1870.2	1690.6
47.5°	3142.4	3100.6	3080.9	3058.7	2891.4	2724.1	2519.8	2313.1	2303.3	2291.0	2064.6
50°	3093.2	3056.3	3061.2	3066.1	2984.9	2903.7	2748.7	2591.2	2618.3	2645.3	2458.3
52.5°	2832.4	2800.4	2844.7	2886.5	2884.0	2881.6	2825.0	2765.9	2864.3	2960.3	2832.4
55°	2310.7	2332.8	2421.4	2510.0	2569.1	2625.7	2706.9	2785.6	2972.6	3157.2	3132.6
57.5°	1811.1	1860.3	1951.4	2040.0	2136.0	2229.5	2401.7	2574.0	2889.0	3201.5	3309.7
60°	1215.6	1247.6	1407.6	1565.1	1653.6	1742.2	1929.3	2113.8	2542.0	2967.7	3250.7
62.5°	755.5	772.7	863.7	954.8	1134.4	1314.1	1407.6	1498.6	1961.2	2421.4	2945.6
65°	465.1	460.2	497.1	531.5	708.7	883.4	944.9	1004.0	1311.6	1616.7	2431.2
67.5°	278.1	275.6	295.3	315.0	396.2	477.4	573.4	669.3	777.6	883.4	1801.3
70°	226.4	231.3	238.7	246.1	268.2	290.4	379.0	467.5	465.1	462.6	1082.7
72.5°	189.5	194.4	209.2	221.5	238.7	253.5	305.1	354.4	332.2	310.1	516.8
75°	140.3	142.7	162.4	179.6	206.7	231.3	243.6	253.5	243.6	233.8	260.8
77.5°	93.5	93.5	110.7	128.0	155.0	182.1	196.9	211.6	194.4	177.2	184.6
80°	59.1	59.1	68.9	76.3	103.4	130.4	147.6	164.9	150.1	132.9	130.4
82.5°	34.5	36.9	41.8	46.8	64.0	81.2	93.5	105.8	123.0	137.8	110.7
85°	14.8	17.2	22.1	24.6	34.5	41.8	49.2	56.6	71.4	86.1	71.4
87.5°	2.5	2.5	4.9	7.4	9.8	12.3	12.3	12.3	12.3	9.8	12.3
90°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9



REPORT NUMBER: P561002

CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	819.4	817.0	814.5	814.5	814.5	812.1	809.6	809.6	809.6	807.1	804.7
5°	676.7	738.2	799.8	802.2	807.1	804.7	802.2	799.8	797.3	794.8	789.9
7.5°	669.3	664.4	659.5	642.3	701.3	701.3	698.9	698.9	693.9	674.3	654.6
10°	511.8	509.4	504.5	511.8	524.1	566.0	605.4	602.9	595.5	548.8	502.0
12.5°	484.8	492.2	499.5	474.9	428.2	467.5	506.9	502.0	497.1	455.2	410.9
15°	410.9	415.9	420.8	460.2	531.5	568.4	602.9	598.0	593.0	543.8	492.2
17.5°	504.5	484.8	465.1	492.2	467.5	484.8	502.0	482.3	467.5	447.9	428.2
20°	484.8	433.1	381.4	460.2	551.2	580.7	610.3	602.9	588.1	541.4	492.2
22.5°	455.2	506.9	556.1	531.5	487.2	460.2	433.1	420.8	410.9	413.4	415.9
25°	578.3	511.8	442.9	561.1	632.4	642.3	649.6	627.5	602.9	551.2	497.1
27.5°	509.4	558.6	605.4	652.1	676.7	684.1	689.0	721.0	669.3	600.4	531.5
30°	642.3	684.1	725.9	829.3	912.9	927.7	942.5	905.6	863.7	780.1	696.4
32.5°	706.2	802.2	895.7	944.9	979.4	991.7	1004.0	954.8	908.0	799.8	689.0
35°	839.1	910.5	981.9	1038.4	1104.9	1107.4	1109.8	1055.7	996.6	839.1	681.6
37.5°	920.3	1013.8	1104.9	1168.9	1272.2	1264.8	1257.5	1193.5	1122.1	900.6	679.2
40°	1043.4	1163.9	1282.1	1343.6	1469.1	1446.9	1424.8	1351.0	1272.2	967.1	661.9
42.5°	1242.7	1370.7	1498.6	1550.3	1688.1	1663.5	1636.4	1538.0	1437.1	1021.2	605.4
45°	1508.5	1624.1	1739.8	1830.8	1939.1	1899.7	1860.3	1754.5	1606.9	1068.0	529.1
47.5°	1835.7	1921.9	2008.0	2187.6	2266.4	2187.6	2106.4	1978.5	1791.4	1107.4	423.3
50°	2271.3	2291.0	2308.2	2532.1	2610.9	2490.3	2369.7	2204.9	1980.9	1151.6	319.9
52.5°	2701.9	2665.0	2625.7	2866.8	2896.3	2736.4	2574.0	2401.7	2121.2	1176.3	228.9
55°	3108.0	3056.3	3002.1	3174.4	3154.7	2943.1	2731.5	2522.3	2207.3	1183.6	160.0
57.5°	3418.0	3386.0	3351.6	3430.3	3356.5	3108.0	2859.4	2650.3	2271.3	1195.9	118.1
60°	3531.2	3602.6	3673.9	3664.1	3528.8	3265.5	3002.1	2780.7	2310.7	1200.9	88.6
62.5°	3469.7	3701.0	3929.9	3836.4	3671.5	3393.4	3112.9	2898.8	2327.9	1198.4	68.9
65°	3245.8	3691.2	4134.1	3979.1	3772.4	3494.3	3216.2	3024.3	2347.6	1200.9	54.1
67.5°	2716.7	3454.9	4190.7	4092.3	3856.0	3560.7	3263.0	3108.0	2337.7	1191.0	44.3
70°	1700.4	2812.7	3924.9	4001.2	3856.0	3531.2	3206.4	3083.4	2249.2	1141.8	34.5
72.5°	721.0	1985.8	3250.7	3582.9	3683.8	3368.8	3053.8	2901.3	2059.7	1043.4	27.1
75°	285.5	1141.8	1998.2	2524.8	2834.8	2701.9	2566.6	2362.3	1351.0	686.6	19.7
77.5°	191.9	521.7	851.4	1240.2	1478.9	1530.6	1582.3	1348.5	538.9	278.1	14.8
80°	128.0	209.2	290.4	445.4	531.5	502.0	470.0	386.3	164.9	88.6	12.3
82.5°	81.2	108.3	135.3	152.6	157.5	113.2	68.9	56.6	19.7	14.8	7.4
85°	54.1	64.0	73.8	76.3	76.3	54.1	29.5	14.8	7.4	7.4	4.9
87.5°	14.8	17.2	17.2	17.2	12.3	9.8	7.4	4.9	4.9	4.9	4.9
90°	7.4	9.8	9.8	9.8	7.4	7.4	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P561002

CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	804.7	804.7	802.2	799.8	799.8	797.3	772.7	745.6	721.0	693.9	691.5
5°	757.9	723.5	691.5	659.5	654.6	647.2	647.2	644.7	644.7	642.3	642.3
7.5°	649.6	644.7	639.8	634.9	632.4	627.5	625.0	620.1	617.7	612.7	585.7
10°	492.2	479.9	479.9	477.4	482.3	487.2	484.8	479.9	511.8	543.8	541.4
12.5°	438.0	462.6	440.5	415.9	423.3	428.2	435.6	442.9	440.5	435.6	398.6
15°	440.5	386.3	369.1	349.4	359.3	366.7	302.7	236.2	223.9	211.6	196.9
17.5°	410.9	393.7	381.4	366.7	280.5	191.9	172.3	152.6	135.3	115.7	113.2
20°	415.9	337.1	315.0	290.4	223.9	157.5	120.6	83.7	73.8	64.0	73.8
22.5°	406.0	393.7	287.9	182.1	135.3	88.6	73.8	56.6	61.5	66.4	66.4
25°	381.4	265.8	206.7	147.6	103.4	56.6	59.1	59.1	54.1	46.8	51.7
27.5°	413.4	292.8	187.0	78.7	68.9	56.6	51.7	44.3	44.3	44.3	41.8
30°	477.4	255.9	160.0	64.0	54.1	44.3	41.8	39.4	36.9	32.0	34.5
32.5°	452.8	216.5	135.3	54.1	46.8	39.4	34.5	29.5	29.5	29.5	29.5
35°	410.9	137.8	93.5	46.8	39.4	32.0	29.5	24.6	24.6	24.6	24.6
37.5°	383.9	88.6	64.0	36.9	32.0	27.1	24.6	19.7	19.7	19.7	22.1
40°	361.7	61.5	46.8	32.0	27.1	19.7	17.2	14.8	17.2	17.2	17.2
42.5°	329.7	51.7	39.4	27.1	22.1	17.2	14.8	12.3	14.8	14.8	14.8
45°	287.9	46.8	34.5	22.1	19.7	14.8	12.3	9.8	12.3	12.3	12.3
47.5°	231.3	39.4	29.5	19.7	17.2	12.3	12.3	9.8	9.8	9.8	9.8
50°	179.6	36.9	27.1	17.2	14.8	9.8	9.8	7.4	9.8	9.8	9.8
52.5°	130.4	32.0	24.6	14.8	12.3	7.4	7.4	7.4	7.4	7.4	7.4
55°	93.5	27.1	19.7	12.3	9.8	7.4	7.4	4.9	7.4	7.4	7.4
57.5°	71.4	24.6	17.2	9.8	7.4	4.9	4.9	4.9	4.9	4.9	4.9
60°	56.6	22.1	17.2	9.8	7.4	4.9	4.9	2.5	4.9	4.9	4.9
62.5°	44.3	17.2	14.8	9.8	7.4	4.9	4.9	2.5	4.9	4.9	4.9
65°	34.5	14.8	12.3	7.4	4.9	2.5	2.5	2.5	4.9	4.9	4.9
67.5°	29.5	12.3	9.8	7.4	4.9	2.5	4.9	4.9	4.9	4.9	4.9
70°	24.6	12.3	9.8	7.4	4.9	2.5	4.9	4.9	7.4	7.4	4.9
72.5°	19.7	9.8	7.4	4.9	4.9	2.5	4.9	4.9	7.4	7.4	4.9
75°	14.8	7.4	7.4	4.9	4.9	2.5	4.9	7.4	7.4	7.4	4.9
77.5°	12.3	7.4	7.4	4.9	4.9	2.5	4.9	7.4	7.4	7.4	7.4
80°	9.8	4.9	4.9	4.9	2.5	0.0	4.9	9.8	9.8	7.4	7.4
82.5°	7.4	4.9	4.9	4.9	2.5	0.0	4.9	9.8	9.8	7.4	7.4
85°	4.9	4.9	4.9	4.9	4.9	2.5	7.4	9.8	9.8	7.4	7.4
87.5°	4.9	4.9	4.9	4.9	4.9	2.5	4.9	7.4	7.4	7.4	7.4
90°	4.9	4.9	7.4	7.4	4.9	2.5	4.9	7.4	7.4	7.4	7.4



REPORT NUMBER: P561002
 CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	817.0	817.0	817.0	817.0
2.5°	686.6	691.5	693.9	689.0
5°	639.8	639.8	637.3	644.7
7.5°	556.1	541.4	524.1	511.8
10°	536.4	524.1	511.8	514.3
12.5°	359.3	322.4	285.5	297.8
15°	182.1	172.3	162.4	162.4
17.5°	108.3	98.4	86.1	88.6
20°	81.2	81.2	81.2	81.2
22.5°	64.0	61.5	56.6	54.1
25°	54.1	54.1	54.1	54.1
27.5°	39.4	39.4	36.9	34.5
30°	34.5	34.5	34.5	32.0
32.5°	27.1	29.5	29.5	29.5
35°	24.6	24.6	24.6	24.6
37.5°	22.1	22.1	19.7	19.7
40°	17.2	17.2	17.2	17.2
42.5°	14.8	14.8	14.8	14.8
45°	12.3	12.3	12.3	12.3
47.5°	9.8	9.8	9.8	9.8
50°	9.8	9.8	7.4	7.4
52.5°	7.4	7.4	4.9	4.9
55°	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	2.5	2.5
60°	4.9	4.9	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	0.0	0.0
67.5°	2.5	2.5	0.0	0.0
70°	2.5	2.5	0.0	0.0
72.5°	2.5	2.5	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	4.9	2.5	0.0	0.0
80°	4.9	4.9	2.5	0.0
82.5°	4.9	4.9	2.5	0.0
85°	4.9	4.9	2.5	0.0
87.5°	4.9	4.9	2.5	0.0
90°	4.9	4.9	2.5	0.0

(END OF REPORT)