

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: P560900

Luminaire Tested: **SDL-PA1-70-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560900
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-PA1-70-730-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 3000K, 930mA 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: 5606.6 lumens
Efficiency: N/A
Efficacy: 77.7 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): 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

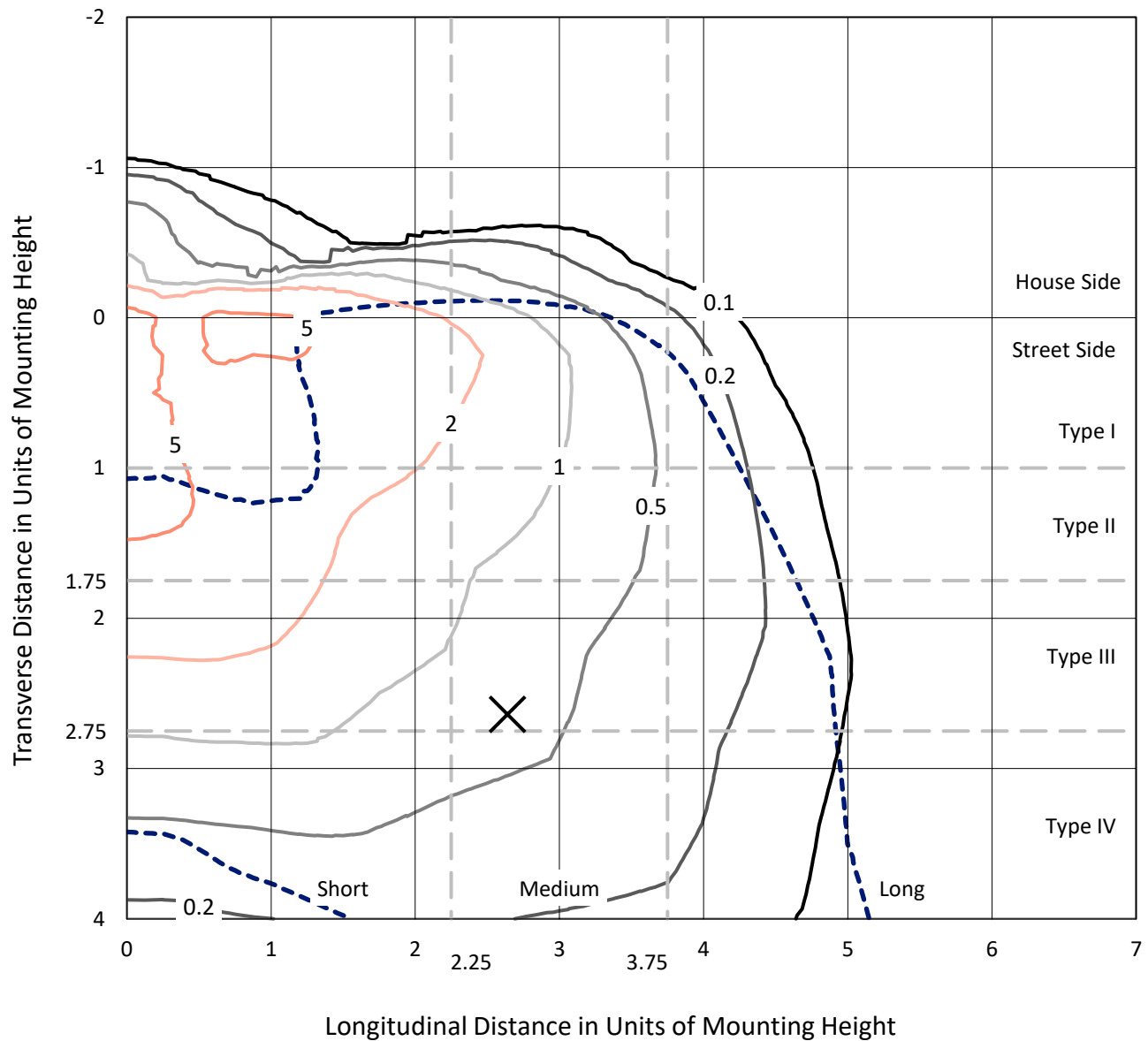


REPORT NUMBER: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

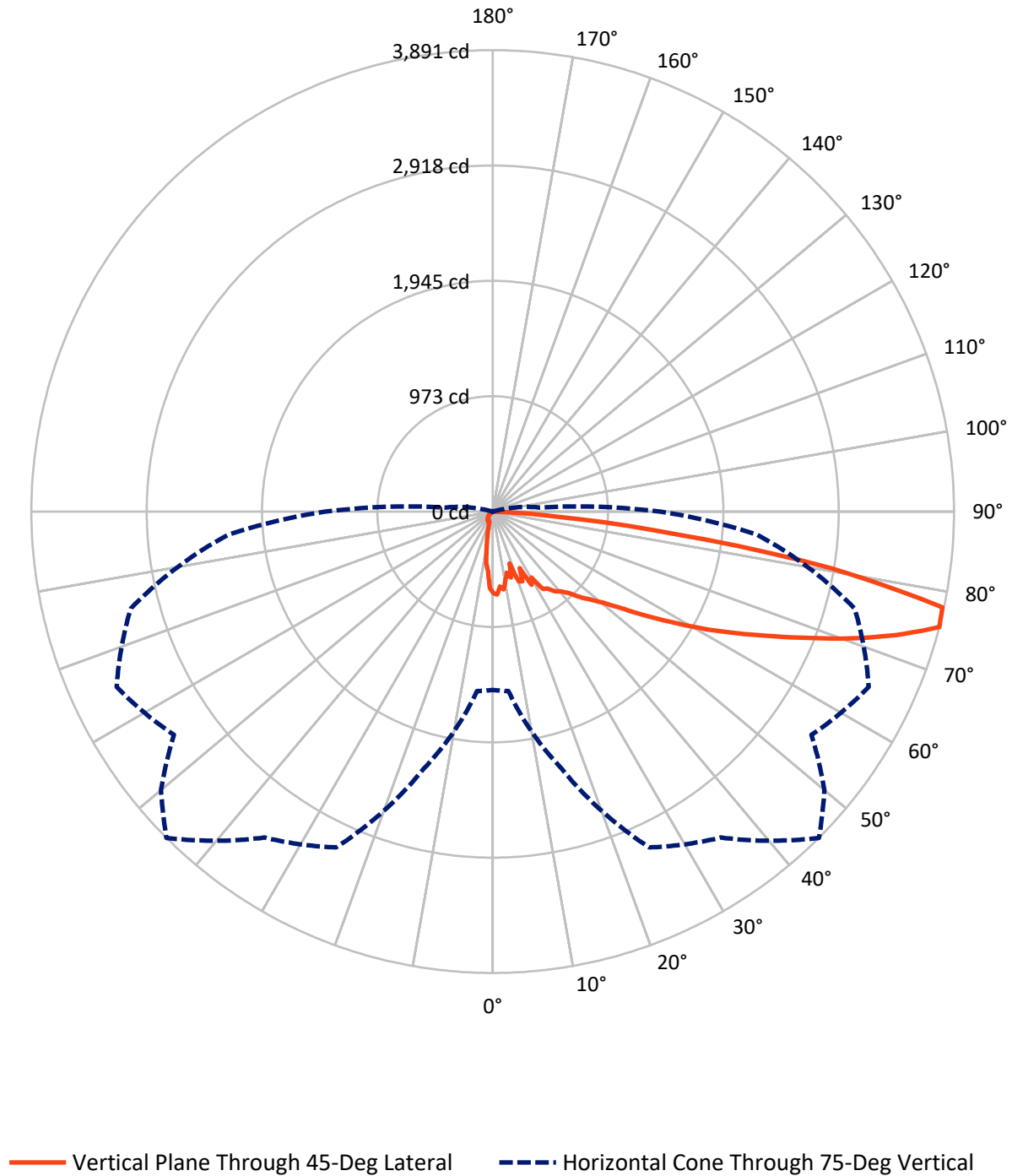
× Max cd
 --- 1/2 Max cd



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

REPORT NUMBER: P560900
CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

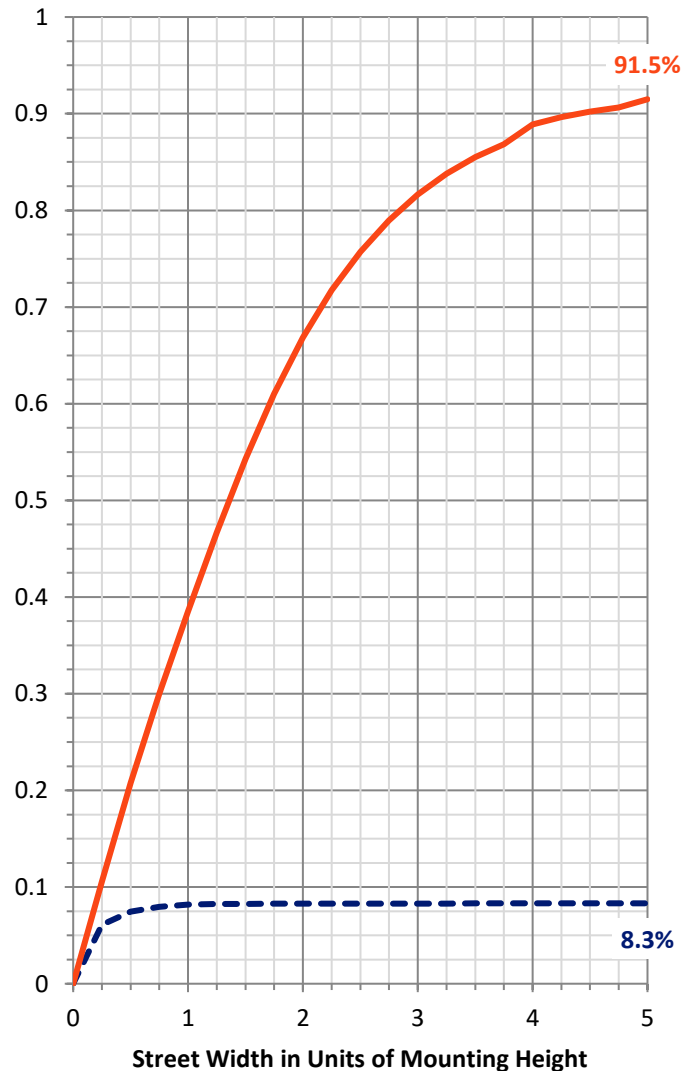
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.7	0.0	470.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5135.9	0.0	5135.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	5606.6	0.0	5606.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.0
10°-20°	117.3	2.1
20°-30°	198.4	3.5
30°-40°	365.4	6.5
40°-50°	599.7	10.7
50°-60°	1067.4	19.0
60°-70°	1597.1	28.5
70°-80°	1422.0	25.4
80°-90°	185.8	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°	5606.6	100.0
0°-180°	5606.6	100.0



REPORT NUMBER: P560900

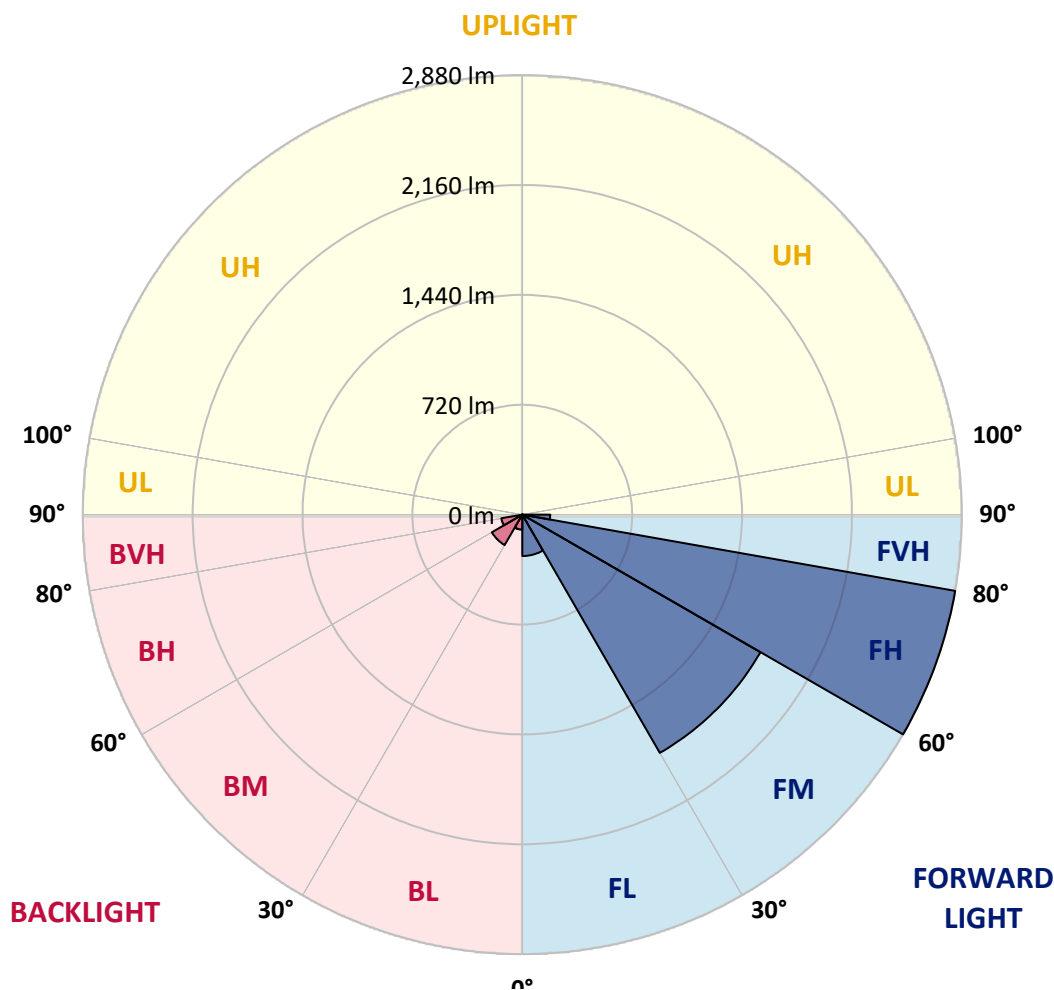
CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.0	4.8			
FM	(30°-60°)	1802.3	32.1			
FH	(60°-80°)	2879.7	51.4			G2/5000
FVH	(80°-90°)	182.9	3.3			G2/225
BL	(0°-30°)	98.2	1.8	B0/110		
BM	(30°-60°)	230.3	4.1	B1/1000		
BH	(60°-80°)	139.4	2.5	B1/500		G1/500
BVH	(80°-90°)	2.8	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-G2

Type IV Medium



REPORT NUMBER: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4
2.5°	639.5	687.4	693.1	695.9	701.5	704.3	704.3	704.3	704.3	701.5	701.5
5°	676.2	673.4	670.5	667.7	664.9	659.3	653.6	645.2	639.5	633.9	628.3
7.5°	662.1	664.9	673.4	679.0	676.2	673.4	679.0	681.8	673.4	662.1	650.8
10°	772.0	766.3	760.7	755.1	746.6	738.2	670.5	602.9	597.3	588.8	583.2
12.5°	676.2	760.7	760.7	760.7	760.7	760.7	715.6	670.5	600.1	529.7	448.0
15°	845.2	842.4	831.1	819.9	743.8	664.9	622.6	580.4	580.4	577.6	543.8
17.5°	701.5	701.5	757.9	811.4	780.4	749.4	690.3	631.1	546.6	459.2	493.0
20°	887.5	887.5	876.2	864.9	735.3	605.7	611.4	617.0	622.6	628.3	521.2
22.5°	729.7	724.1	718.4	712.8	726.9	741.0	625.5	507.1	574.7	639.5	498.7
25°	890.3	898.7	893.1	884.7	769.1	653.6	679.0	701.5	614.2	526.9	611.4
27.5°	763.5	755.1	743.8	729.7	738.2	746.6	693.1	636.7	667.7	698.7	560.7
30°	935.4	938.2	932.6	926.9	817.0	707.2	704.3	698.7	673.4	645.2	631.1
32.5°	1158.0	1135.4	1056.5	977.6	910.0	842.4	788.9	735.3	757.9	777.6	701.5
35°	1265.0	1222.8	1188.9	1152.3	1039.6	924.1	859.3	791.7	794.5	797.3	766.3
37.5°	1369.3	1307.3	1265.0	1222.8	1087.5	952.3	881.8	811.4	833.9	853.7	819.9
40°	1405.9	1372.1	1346.7	1321.4	1177.7	1031.2	949.5	864.9	876.2	884.7	873.4
42.5°	1498.9	1493.2	1479.1	1462.2	1290.4	1115.7	1017.1	918.5	929.7	938.2	932.6
45°	1721.4	1713.0	1713.0	1710.2	1487.6	1262.2	1132.6	1003.0	1014.3	1025.5	1019.9
47.5°	2008.8	1994.7	1977.8	1958.1	1721.4	1482.0	1296.0	1107.2	1107.2	1107.2	1115.7
50°	2310.3	2290.5	2253.9	2214.5	1975.0	1735.5	1498.9	1262.2	1236.8	1208.7	1239.7
52.5°	2623.0	2589.2	2527.2	2462.4	2251.1	2039.8	1772.1	1501.7	1425.6	1346.7	1386.2
55°	2792.0	2755.4	2713.2	2668.1	2496.2	2321.5	2048.2	1775.0	1656.6	1535.5	1577.7
57.5°	2930.1	2921.6	2901.9	2882.2	2749.8	2617.4	2344.1	2068.0	1907.4	1746.8	1783.4
60°	3118.9	3107.6	3116.0	3124.5	3023.1	2921.6	2662.4	2400.4	2194.8	1986.3	1975.0
62.5°	3259.7	3256.9	3299.2	3341.4	3287.9	3231.6	2941.4	2648.4	2448.3	2245.5	2189.1
65°	3130.1	3166.8	3324.5	3482.3	3473.9	3462.6	3192.1	2918.8	2721.6	2521.6	2448.3
67.5°	2856.8	2873.7	3107.6	3338.6	3440.0	3538.7	3347.1	3152.7	2997.7	2839.9	2704.7
70°	2600.5	2637.1	2842.8	3048.4	3310.4	3572.5	3420.3	3268.2	3237.2	3203.4	3028.7
72.5°	2352.5	2417.3	2608.9	2800.5	3149.9	3496.4	3406.2	3316.1	3437.2	3558.4	3349.9
75°	1504.5	1518.6	1882.0	2242.6	2685.0	3124.5	3240.0	3355.5	3623.2	3890.8	3651.3
77.5°	439.5	487.4	760.7	1034.0	1541.1	2045.4	2439.9	2834.3	3355.5	3876.7	3583.7
80°	149.3	160.6	200.0	236.7	507.1	777.6	1234.0	1687.6	2293.4	2899.1	2693.4
82.5°	73.3	76.1	95.8	112.7	171.9	231.0	464.9	695.9	1124.1	1549.6	1586.2
85°	22.5	22.5	33.8	45.1	73.3	101.4	174.7	245.1	388.8	529.7	448.0
87.5°	5.6	5.6	8.5	11.3	16.9	22.5	22.5	22.5	16.9	11.3	14.1
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: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4
2.5°	704.3	704.3	704.3	701.5	695.9	693.1	687.4	681.8	676.2	673.4	667.7
5°	619.8	656.5	690.3	693.1	693.1	684.6	676.2	667.7	659.3	650.8	642.4
7.5°	636.7	617.0	597.3	600.1	602.9	600.1	594.5	580.4	569.1	546.6	521.2
10°	509.9	495.9	479.0	484.6	490.2	504.3	518.4	507.1	490.2	448.0	402.9
12.5°	501.5	498.7	493.0	450.8	405.7	428.2	448.0	436.7	419.8	377.5	332.5
15°	428.2	431.1	431.1	473.3	515.6	532.5	546.6	532.5	512.8	456.4	397.3
17.5°	552.2	524.0	495.9	479.0	459.2	464.9	470.5	408.5	428.2	391.6	352.2
20°	571.9	479.0	386.0	462.1	538.1	563.5	588.8	574.7	549.4	459.2	366.3
22.5°	521.2	555.0	588.8	540.9	493.0	462.1	428.2	414.2	397.3	357.8	318.4
25°	645.2	552.2	456.4	546.6	633.9	639.5	645.2	619.8	591.7	479.0	366.3
27.5°	577.6	608.6	636.7	656.5	676.2	701.5	726.9	698.7	631.1	498.7	363.4
30°	687.4	729.7	772.0	836.8	901.6	921.3	938.2	907.2	853.7	631.1	405.7
32.5°	718.4	803.0	887.5	912.8	935.4	960.7	986.1	960.7	895.9	625.5	352.2
35°	803.0	862.1	918.5	957.9	997.4	1019.9	1042.4	1025.5	938.2	617.0	295.8
37.5°	828.3	907.2	983.3	1028.4	1070.6	1090.3	1107.2	1107.2	983.3	611.4	236.7
40°	867.8	966.4	1065.0	1107.2	1146.7	1177.7	1205.8	1217.1	1034.0	608.6	180.3
42.5°	946.6	1034.0	1121.3	1188.9	1253.7	1298.8	1343.9	1352.4	1093.2	617.0	138.1
45°	1031.2	1124.1	1217.1	1307.3	1397.4	1462.2	1524.2	1518.6	1163.6	639.5	112.7
47.5°	1152.3	1239.7	1327.0	1479.1	1628.5	1690.4	1749.6	1710.2	1236.8	667.7	98.6
50°	1276.3	1383.3	1490.4	1684.8	1876.4	1932.7	1986.3	1904.6	1307.3	701.5	93.0
52.5°	1436.9	1563.7	1690.4	1913.0	2135.6	2186.3	2237.0	2070.8	1360.8	724.1	87.3
55°	1625.6	1789.0	1952.5	2163.8	2372.2	2431.4	2490.6	2234.2	1386.2	735.3	84.5
57.5°	1853.8	2042.6	2228.6	2423.0	2614.5	2696.2	2775.1	2394.8	1397.4	738.2	78.9
60°	2076.4	2284.9	2493.4	2659.6	2825.8	2952.6	3076.6	2552.6	1391.8	732.5	70.4
62.5°	2282.1	2513.1	2741.3	2896.3	3051.2	3203.4	3355.5	2679.3	1355.2	707.2	56.3
65°	2496.2	2741.3	2983.6	3118.9	3254.1	3451.3	3645.7	2789.2	1304.5	673.4	39.4
67.5°	2690.6	2924.5	3158.3	3310.4	3462.6	3657.0	3848.6	2817.4	1231.2	631.1	28.2
70°	2854.0	3107.6	3358.3	3513.3	3668.3	3766.9	3862.7	2693.4	1084.7	552.2	19.7
72.5°	3079.4	3307.6	3533.0	3611.9	3688.0	3516.1	3341.4	2245.5	814.2	417.0	16.9
75°	3282.3	3392.1	3499.2	3330.2	3161.1	2699.1	2237.0	1414.3	397.3	208.5	16.9
77.5°	3076.6	3017.4	2958.3	2439.9	1918.6	1425.6	929.7	555.0	124.0	67.6	11.3
80°	2228.6	1958.1	1684.8	1166.4	645.2	431.1	214.1	124.0	31.0	19.7	8.5
82.5°	1200.2	926.9	650.8	419.8	188.8	126.8	62.0	42.3	14.1	11.3	5.6
85°	433.9	343.7	250.7	194.4	138.1	81.7	22.5	14.1	8.5	8.5	5.6
87.5°	39.4	45.1	50.7	39.4	25.4	16.9	5.6	5.6	5.6	5.6	2.8
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: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4
2.5°	664.9	662.1	659.3	653.6	650.8	648.0	628.3	608.6	586.0	563.5	563.5
5°	605.7	569.1	549.4	529.7	515.6	501.5	498.7	493.0	487.4	481.8	479.0
7.5°	507.1	493.0	481.8	470.5	456.4	442.3	428.2	414.2	402.9	391.6	366.3
10°	380.3	357.8	340.9	324.0	315.5	304.3	287.4	267.7	267.7	267.7	264.8
12.5°	329.6	326.8	284.6	239.5	225.4	211.3	208.5	205.7	200.0	191.6	180.3
15°	326.8	253.6	216.9	177.5	169.0	157.8	140.9	121.1	118.3	112.7	126.8
17.5°	295.8	239.5	197.2	155.0	124.0	93.0	98.6	101.4	115.5	126.8	135.2
20°	267.7	169.0	140.9	109.9	101.4	90.2	95.8	101.4	98.6	93.0	107.1
22.5°	250.7	180.3	132.4	84.5	90.2	95.8	90.2	81.7	95.8	109.9	118.3
25°	242.3	115.5	104.2	90.2	84.5	78.9	90.2	98.6	93.0	87.3	104.2
27.5°	239.5	115.5	98.6	78.9	84.5	90.2	87.3	81.7	93.0	101.4	98.6
30°	256.4	104.2	93.0	81.7	78.9	76.1	81.7	87.3	87.3	84.5	98.6
32.5°	228.2	104.2	93.0	78.9	78.9	76.1	76.1	76.1	84.5	93.0	98.6
35°	197.2	95.8	87.3	76.1	73.3	70.4	73.3	73.3	81.7	87.3	98.6
37.5°	163.4	90.2	81.7	70.4	67.6	64.8	64.8	62.0	70.4	78.9	87.3
40°	132.4	84.5	76.1	64.8	62.0	59.2	59.2	59.2	64.8	67.6	73.3
42.5°	109.9	78.9	70.4	59.2	56.3	53.5	53.5	50.7	53.5	56.3	59.2
45°	95.8	76.1	67.6	56.3	53.5	47.9	45.1	42.3	42.3	42.3	42.3
47.5°	84.5	70.4	64.8	56.3	50.7	42.3	39.4	33.8	31.0	28.2	25.4
50°	78.9	64.8	59.2	50.7	45.1	36.6	31.0	25.4	22.5	16.9	16.9
52.5°	73.3	59.2	53.5	45.1	36.6	28.2	22.5	14.1	14.1	11.3	11.3
55°	70.4	56.3	47.9	39.4	31.0	19.7	14.1	8.5	8.5	5.6	5.6
57.5°	67.6	53.5	45.1	33.8	22.5	11.3	8.5	5.6	5.6	5.6	5.6
60°	59.2	47.9	36.6	22.5	14.1	5.6	5.6	2.8	5.6	5.6	5.6
62.5°	47.9	36.6	25.4	14.1	8.5	2.8	2.8	2.8	5.6	5.6	5.6
65°	33.8	25.4	16.9	8.5	5.6	2.8	2.8	2.8	2.8	2.8	2.8
67.5°	25.4	19.7	14.1	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8
70°	16.9	14.1	11.3	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8
72.5°	14.1	11.3	8.5	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8
75°	14.1	11.3	8.5	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8
77.5°	11.3	8.5	5.6	2.8	2.8	0.0	2.8	5.6	5.6	5.6	5.6
80°	8.5	5.6	5.6	2.8	2.8	0.0	2.8	5.6	5.6	5.6	5.6
82.5°	5.6	5.6	5.6	2.8	2.8	0.0	5.6	8.5	8.5	5.6	5.6
85°	5.6	2.8	2.8	2.8	2.8	2.8	5.6	8.5	8.5	8.5	5.6
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	5.6	8.5	8.5	8.5	5.6
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: P560900

CATALOG NUMBER: SDL-PA1-70-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	687.4	687.4	687.4	687.4
2.5°	560.7	560.7	557.8	557.8
5°	473.3	473.3	470.5	470.5
7.5°	340.9	335.3	326.8	329.6
10°	262.0	256.4	250.7	256.4
12.5°	169.0	171.9	171.9	163.4
15°	138.1	149.3	157.8	157.8
17.5°	143.7	143.7	140.9	140.9
20°	121.1	132.4	143.7	143.7
22.5°	124.0	118.3	112.7	112.7
25°	118.3	126.8	132.4	132.4
27.5°	95.8	98.6	101.4	101.4
30°	109.9	115.5	118.3	118.3
32.5°	104.2	109.9	112.7	115.5
35°	107.1	112.7	115.5	115.5
37.5°	95.8	98.6	101.4	101.4
40°	76.1	78.9	81.7	81.7
42.5°	59.2	59.2	56.3	59.2
45°	39.4	39.4	36.6	39.4
47.5°	22.5	22.5	22.5	22.5
50°	14.1	14.1	14.1	14.1
52.5°	8.5	8.5	8.5	8.5
55°	5.6	5.6	5.6	5.6
57.5°	5.6	5.6	2.8	2.8
60°	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	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°	2.8	2.8	0.0	0.0
77.5°	2.8	2.8	0.0	0.0
80°	2.8	2.8	0.0	0.0
82.5°	2.8	2.8	0.0	0.0
85°	2.8	2.8	2.8	0.0
87.5°	2.8	2.8	2.8	0.0
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u



(END OF REPORT)