

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: P561032

Luminaire Tested: **SDL-PA1-80-722-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561032
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-PA1-80-722-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 4968.7 lumens
Efficiency: N/A
Efficacy: 60.6 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): 82
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



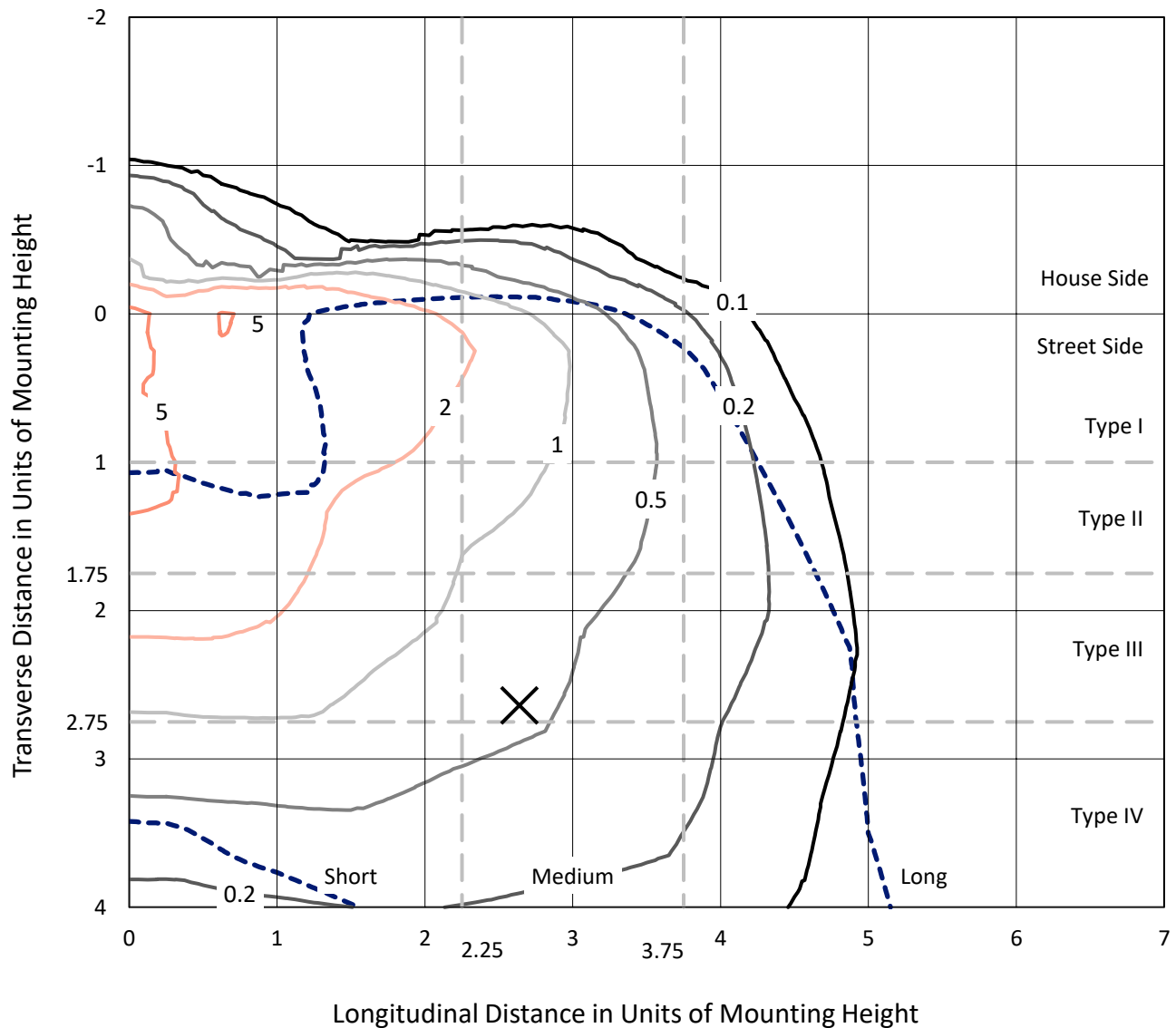
REPORT NUMBER: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

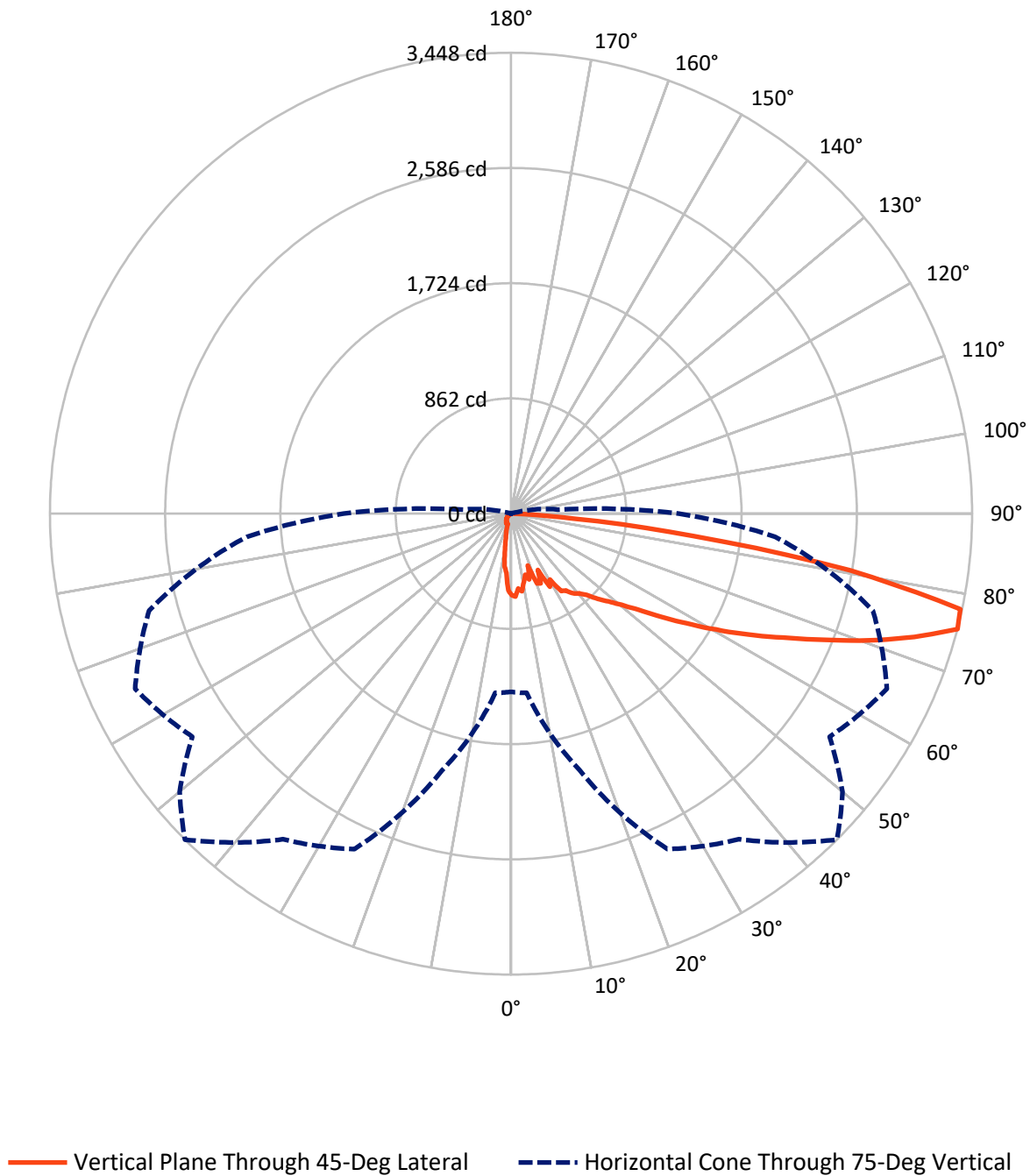


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type IV - Medium - N/A

REPORT NUMBER: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

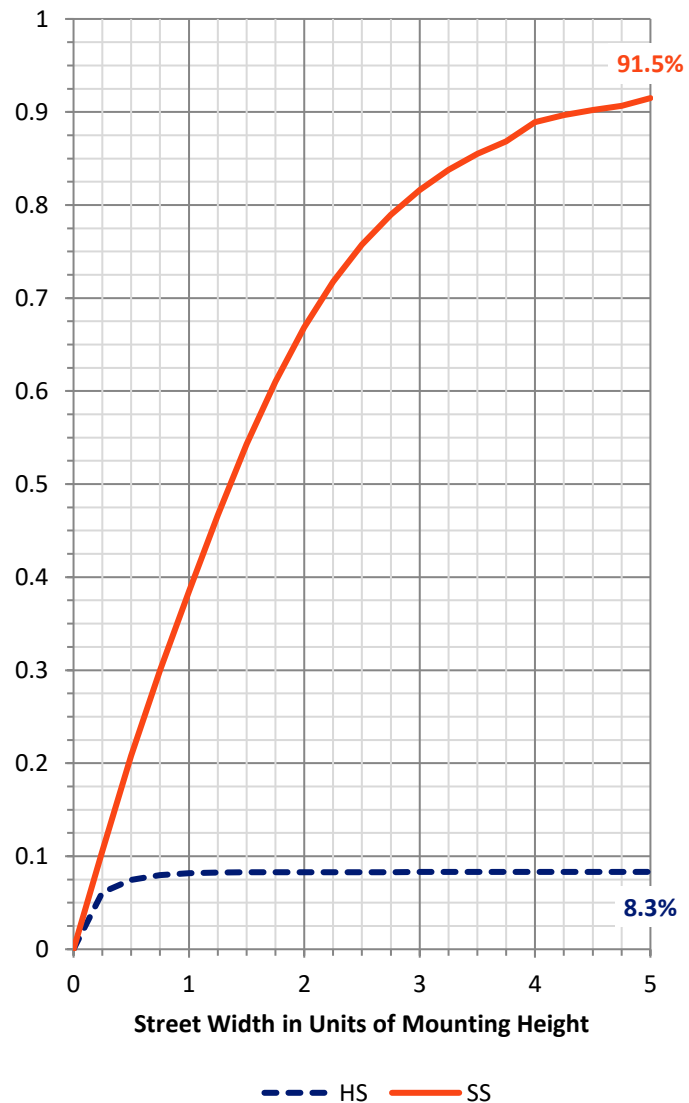
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.2	0.0	417.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4551.5	0.0	4551.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	4968.7	0.0	4968.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.0
10°-20°	104.0	2.1
20°-30°	175.9	3.5
30°-40°	323.8	6.5
40°-50°	531.5	10.7
50°-60°	946.0	19.0
60°-70°	1415.4	28.5
70°-80°	1260.2	25.4
80°-90°	164.6	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°	4968.7	100.0
0°-180°	4968.7	100.0

Coefficient of Utilization



REPORT NUMBER: P561032

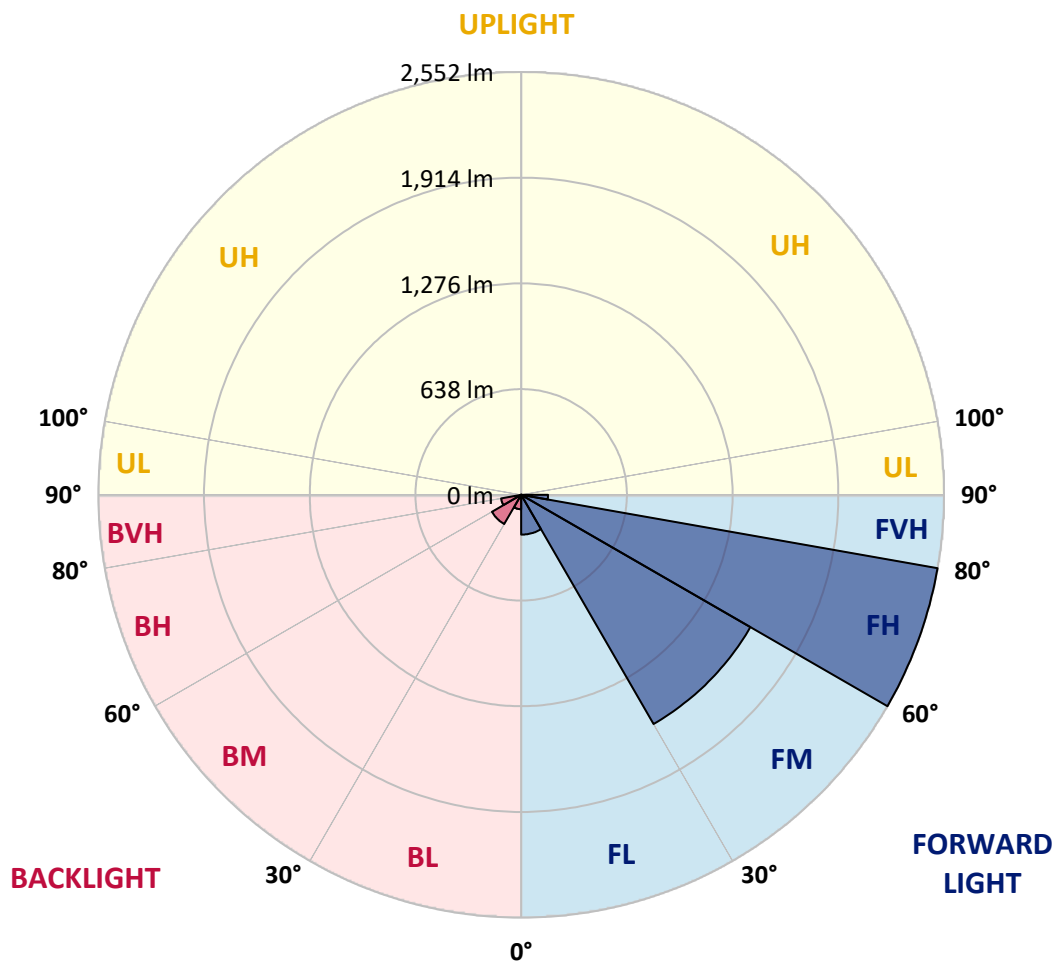
CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.2	4.8			
FM	(30°-60°)	1597.2	32.1			
FH	(60°-80°)	2552.0	51.4			G2/5000
FVH	(80°-90°)	162.1	3.3			G2/225
BL	(0°-30°)	87.0	1.8	B0/110		
BM	(30°-60°)	204.1	4.1	B0/220		
BH	(60°-80°)	123.5	2.5	B1/500		G1/500
BVH	(80°-90°)	2.5	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: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2
2.5°	566.8	609.2	614.2	616.7	621.7	624.2	624.2	624.2	624.2	621.7	621.7
5°	599.2	596.7	594.2	591.7	589.3	584.3	579.3	571.8	566.8	561.8	556.8
7.5°	586.8	589.3	596.7	601.7	599.2	596.7	601.7	604.2	596.7	586.8	576.8
10°	684.1	679.1	674.1	669.2	661.7	654.2	594.2	534.3	529.3	521.8	516.8
12.5°	599.2	674.1	674.1	674.1	674.1	674.1	634.2	594.2	531.8	469.4	397.0
15°	749.1	746.6	736.6	726.6	659.2	589.3	551.8	514.3	514.3	511.9	481.9
17.5°	621.7	621.7	671.6	719.1	691.6	664.2	611.7	559.3	484.4	407.0	436.9
20°	786.5	786.5	776.5	766.5	651.7	536.8	541.8	546.8	551.8	556.8	461.9
22.5°	646.7	641.7	636.7	631.7	644.2	656.7	554.3	449.4	509.4	566.8	441.9
25°	789.0	796.5	791.5	784.0	681.6	579.3	601.7	621.7	544.3	466.9	541.8
27.5°	676.6	669.2	659.2	646.7	654.2	661.7	614.2	564.3	591.7	619.2	496.9
30°	828.9	831.4	826.5	821.5	724.1	626.7	624.2	619.2	596.7	571.8	559.3
32.5°	1026.2	1006.2	936.3	866.4	806.5	746.6	699.1	651.7	671.6	689.1	621.7
35°	1121.1	1083.6	1053.7	1021.2	921.3	819.0	761.5	701.6	704.1	706.6	679.1
37.5°	1213.5	1158.5	1121.1	1083.6	963.8	843.9	781.5	719.1	739.1	756.5	726.6
40°	1245.9	1216.0	1193.5	1171.0	1043.7	913.8	841.4	766.5	776.5	784.0	774.0
42.5°	1328.3	1323.3	1310.8	1295.9	1143.6	988.7	901.4	814.0	824.0	831.4	826.5
45°	1525.6	1518.1	1518.1	1515.6	1318.3	1118.6	1003.7	888.9	898.9	908.8	903.9
47.5°	1780.2	1767.8	1752.8	1735.3	1525.6	1313.3	1148.5	981.3	981.3	981.3	988.7
50°	2047.4	2029.9	1997.5	1962.5	1750.3	1538.1	1328.3	1118.6	1096.1	1071.1	1098.6
52.5°	2324.6	2294.6	2239.7	2182.2	1995.0	1807.7	1570.5	1330.8	1263.4	1193.5	1228.4
55°	2474.4	2441.9	2404.5	2364.5	2212.2	2057.4	1815.2	1573.0	1468.1	1360.8	1398.2
57.5°	2596.7	2589.2	2571.7	2554.3	2436.9	2319.6	2077.4	1832.7	1690.4	1548.0	1580.5
60°	2764.0	2754.0	2761.5	2769.0	2679.1	2589.2	2359.5	2127.3	1945.0	1760.3	1750.3
62.5°	2888.8	2886.3	2923.8	2961.2	2913.8	2863.9	2606.7	2347.0	2169.7	1990.0	1940.0
65°	2774.0	2806.4	2946.3	3086.1	3078.6	3068.6	2828.9	2586.7	2411.9	2234.7	2169.7
67.5°	2531.8	2546.8	2754.0	2958.7	3048.6	3136.0	2966.2	2794.0	2656.6	2516.8	2397.0
70°	2304.6	2337.0	2519.3	2701.6	2933.8	3166.0	3031.2	2896.3	2868.9	2838.9	2684.1
72.5°	2084.9	2142.3	2312.1	2481.9	2791.5	3098.6	3018.7	2938.8	3046.1	3153.5	2968.7
75°	1333.3	1345.8	1667.9	1987.5	2379.5	2769.0	2871.4	2973.7	3210.9	3448.1	3235.9
77.5°	389.5	432.0	674.1	916.3	1365.8	1812.7	2162.3	2511.8	2973.7	3435.6	3176.0
80°	132.3	142.3	177.3	209.7	449.4	689.1	1093.6	1495.6	2032.4	2569.2	2387.0
82.5°	64.9	67.4	84.9	99.9	152.3	204.7	412.0	616.7	996.2	1373.3	1405.7
85°	20.0	20.0	30.0	39.9	64.9	89.9	154.8	217.2	344.6	469.4	397.0
87.5°	5.0	5.0	7.5	10.0	15.0	20.0	20.0	20.0	15.0	10.0	12.5
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: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2
2.5°	624.2	624.2	624.2	621.7	616.7	614.2	609.2	604.2	599.2	596.7	591.7
5°	549.3	581.8	611.7	614.2	614.2	606.7	599.2	591.7	584.3	576.8	569.3
7.5°	564.3	546.8	529.3	531.8	534.3	531.8	526.8	514.3	504.4	484.4	461.9
10°	451.9	439.4	424.5	429.5	434.4	446.9	459.4	449.4	434.4	397.0	357.0
12.5°	444.4	441.9	436.9	399.5	359.5	379.5	397.0	387.0	372.0	334.6	294.6
15°	379.5	382.0	382.0	419.5	456.9	471.9	484.4	471.9	454.4	404.5	352.1
17.5°	489.4	464.4	439.4	424.5	407.0	412.0	417.0	362.0	379.5	347.1	312.1
20°	506.9	424.5	342.1	409.5	476.9	499.4	521.8	509.4	486.9	407.0	324.6
22.5°	461.9	491.9	521.8	479.4	436.9	409.5	379.5	367.0	352.1	317.1	282.1
25°	571.8	489.4	404.5	484.4	561.8	566.8	571.8	549.3	524.3	424.5	324.6
27.5°	511.9	539.3	564.3	581.8	599.2	621.7	644.2	619.2	559.3	441.9	322.1
30°	609.2	646.7	684.1	741.6	799.0	816.5	831.4	804.0	756.5	559.3	359.5
32.5°	636.7	711.6	786.5	809.0	828.9	851.4	873.9	851.4	794.0	554.3	312.1
35°	711.6	764.0	814.0	848.9	883.9	903.9	923.8	908.8	831.4	546.8	262.2
37.5°	734.1	804.0	871.4	911.3	948.8	966.3	981.3	981.3	871.4	541.8	209.7
40°	769.0	856.4	943.8	981.3	1016.2	1043.7	1068.6	1078.6	916.3	539.3	159.8
42.5°	838.9	916.3	993.7	1053.7	1111.1	1151.0	1191.0	1198.5	968.8	546.8	122.3
45°	913.8	996.2	1078.6	1158.5	1238.4	1295.9	1350.8	1345.8	1031.2	566.8	99.9
47.5°	1021.2	1098.6	1176.0	1310.8	1443.2	1498.1	1550.5	1515.6	1096.1	591.7	87.4
50°	1131.1	1225.9	1320.8	1493.1	1662.9	1712.8	1760.3	1687.9	1158.5	621.7	82.4
52.5°	1273.4	1385.7	1498.1	1695.4	1892.6	1937.5	1982.5	1835.2	1206.0	641.7	77.4
55°	1440.7	1585.5	1730.3	1917.6	2102.3	2154.8	2207.2	1980.0	1228.4	651.7	74.9
57.5°	1642.9	1810.2	1975.0	2147.3	2317.1	2389.5	2459.4	2122.3	1238.4	654.2	69.9
60°	1840.2	2024.9	2209.7	2357.0	2504.3	2616.7	2726.5	2262.1	1233.4	649.2	62.4
62.5°	2022.4	2227.2	2429.4	2566.7	2704.1	2838.9	2973.7	2374.5	1201.0	626.7	49.9
65°	2212.2	2429.4	2644.1	2764.0	2883.8	3058.6	3230.9	2471.9	1156.0	596.7	35.0
67.5°	2384.5	2591.7	2799.0	2933.8	3068.6	3240.9	3410.7	2496.8	1091.1	559.3	25.0
70°	2529.3	2754.0	2976.2	3113.6	3250.9	3338.3	3423.2	2387.0	961.3	489.4	17.5
72.5°	2729.0	2931.3	3131.0	3200.9	3268.4	3116.0	2961.2	1990.0	721.6	369.5	15.0
75°	2908.8	3006.2	3101.1	2951.3	2801.4	2392.0	1982.5	1253.4	352.1	184.8	15.0
77.5°	2726.5	2674.1	2621.7	2162.3	1700.3	1263.4	824.0	491.9	109.9	59.9	10.0
80°	1975.0	1735.3	1493.1	1033.7	571.8	382.0	189.8	109.9	27.5	17.5	7.5
82.5°	1063.7	821.5	576.8	372.0	167.3	112.4	54.9	37.5	12.5	10.0	5.0
85°	384.5	304.6	222.2	172.3	122.3	72.4	20.0	12.5	7.5	7.5	5.0
87.5°	35.0	39.9	44.9	35.0	22.5	15.0	5.0	5.0	5.0	5.0	2.5
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: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2	609.2
2.5°	589.3	586.8	584.3	579.3	576.8	574.3	556.8	539.3	519.3	499.4	499.4
5°	536.8	504.4	486.9	469.4	456.9	444.4	441.9	436.9	432.0	427.0	424.5
7.5°	449.4	436.9	427.0	417.0	404.5	392.0	379.5	367.0	357.0	347.1	324.6
10°	337.1	317.1	302.1	287.1	279.6	269.7	254.7	237.2	237.2	237.2	234.7
12.5°	292.1	289.6	252.2	212.2	199.7	187.3	184.8	182.3	177.3	169.8	159.8
15°	289.6	224.7	192.3	157.3	149.8	139.8	124.8	107.4	104.9	99.9	112.4
17.5°	262.2	212.2	174.8	137.3	109.9	82.4	87.4	89.9	102.4	112.4	119.8
20°	237.2	149.8	124.8	97.4	89.9	79.9	84.9	89.9	87.4	82.4	94.9
22.5°	222.2	159.8	117.4	74.9	79.9	84.9	79.9	72.4	84.9	97.4	104.9
25°	214.7	102.4	92.4	79.9	74.9	69.9	79.9	87.4	82.4	77.4	92.4
27.5°	212.2	102.4	87.4	69.9	74.9	79.9	77.4	72.4	82.4	89.9	87.4
30°	227.2	92.4	82.4	72.4	69.9	67.4	72.4	77.4	77.4	74.9	87.4
32.5°	202.2	92.4	82.4	69.9	69.9	67.4	67.4	67.4	74.9	82.4	87.4
35°	174.8	84.9	77.4	67.4	64.9	62.4	64.9	64.9	72.4	77.4	87.4
37.5°	144.8	79.9	72.4	62.4	59.9	57.4	57.4	54.9	62.4	69.9	77.4
40°	117.4	74.9	67.4	57.4	54.9	52.4	52.4	52.4	57.4	59.9	64.9
42.5°	97.4	69.9	62.4	52.4	49.9	47.4	47.4	44.9	47.4	49.9	52.4
45°	84.9	67.4	59.9	49.9	47.4	42.4	39.9	37.5	37.5	37.5	37.5
47.5°	74.9	62.4	57.4	49.9	44.9	37.5	35.0	30.0	27.5	25.0	22.5
50°	69.9	57.4	52.4	44.9	39.9	32.5	27.5	22.5	20.0	15.0	15.0
52.5°	64.9	52.4	47.4	39.9	32.5	25.0	20.0	12.5	12.5	10.0	10.0
55°	62.4	49.9	42.4	35.0	27.5	17.5	12.5	7.5	7.5	5.0	5.0
57.5°	59.9	47.4	39.9	30.0	20.0	10.0	7.5	5.0	5.0	5.0	5.0
60°	52.4	42.4	32.5	20.0	12.5	5.0	5.0	2.5	5.0	5.0	5.0
62.5°	42.4	32.5	22.5	12.5	7.5	2.5	2.5	2.5	5.0	5.0	5.0
65°	30.0	22.5	15.0	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	22.5	17.5	12.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
70°	15.0	12.5	10.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	12.5	10.0	7.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
75°	12.5	10.0	7.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
77.5°	10.0	7.5	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
80°	7.5	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
82.5°	5.0	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	5.0	5.0
85°	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5	7.5	5.0
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5	7.5	5.0
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: P561032

CATALOG NUMBER: SDL-PA1-80-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	609.2	609.2	609.2	609.2
2.5°	496.9	496.9	494.4	494.4
5°	419.5	419.5	417.0	417.0
7.5°	302.1	297.1	289.6	292.1
10°	232.2	227.2	222.2	227.2
12.5°	149.8	152.3	152.3	144.8
15°	122.3	132.3	139.8	139.8
17.5°	127.3	127.3	124.8	124.8
20°	107.4	117.4	127.3	127.3
22.5°	109.9	104.9	99.9	99.9
25°	104.9	112.4	117.4	117.4
27.5°	84.9	87.4	89.9	89.9
30°	97.4	102.4	104.9	104.9
32.5°	92.4	97.4	99.9	102.4
35°	94.9	99.9	102.4	102.4
37.5°	84.9	87.4	89.9	89.9
40°	67.4	69.9	72.4	72.4
42.5°	52.4	52.4	49.9	52.4
45°	35.0	35.0	32.5	35.0
47.5°	20.0	20.0	20.0	20.0
50°	12.5	12.5	12.5	12.5
52.5°	7.5	7.5	7.5	7.5
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	2.5	2.5
60°	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	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°	2.5	2.5	0.0	0.0
77.5°	2.5	2.5	0.0	0.0
80°	2.5	2.5	0.0	0.0
82.5°	2.5	2.5	0.0	0.0
85°	2.5	2.5	2.5	0.0
87.5°	2.5	2.5	2.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)