

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: P561025

Luminaire Tested: **SDL-PA1-80-722-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561025
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-PA1-80-722-U-T2U
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6940.2 lumens
Efficiency: N/A
Efficacy: 84.6 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): 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



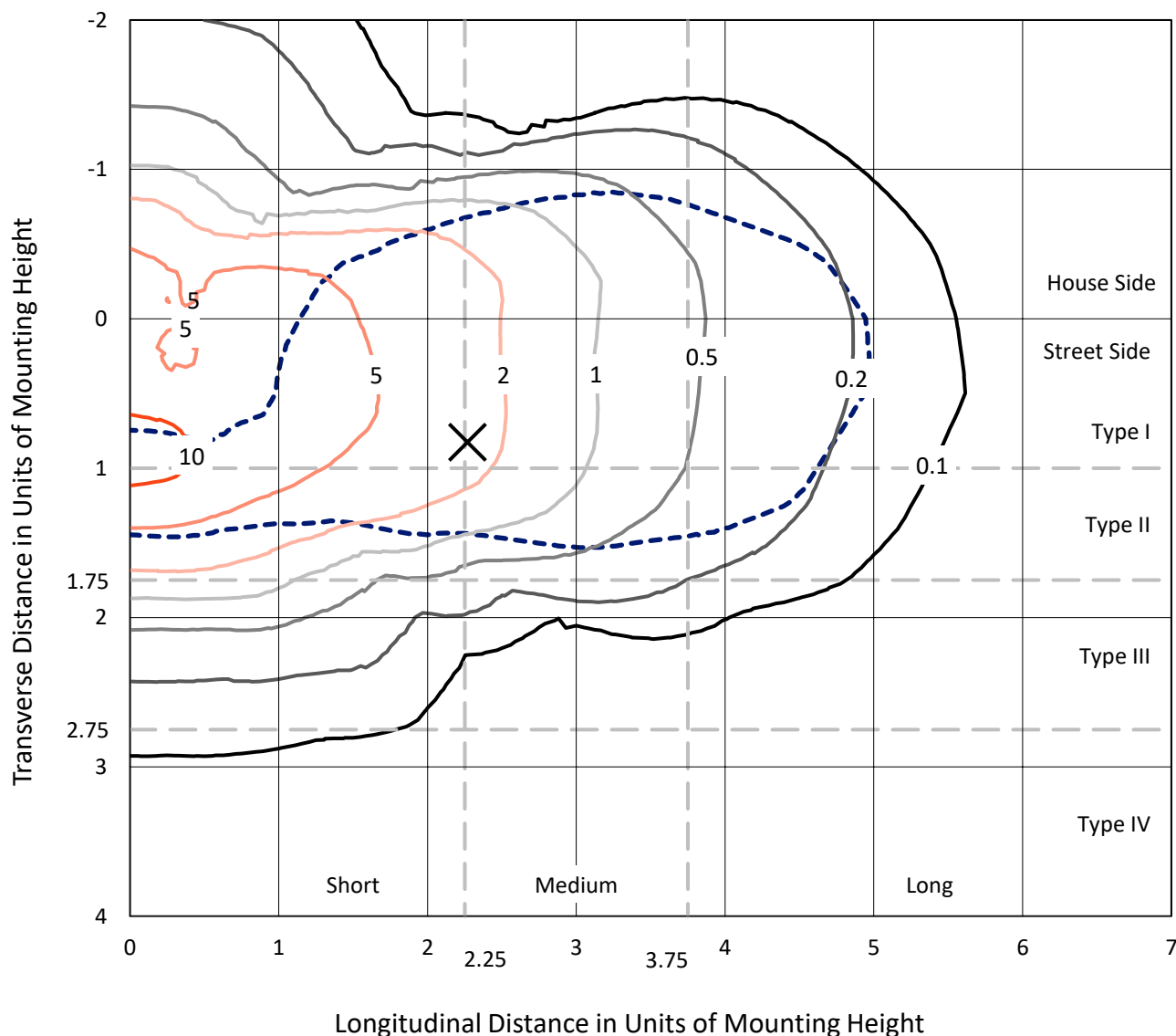
REPORT NUMBER: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

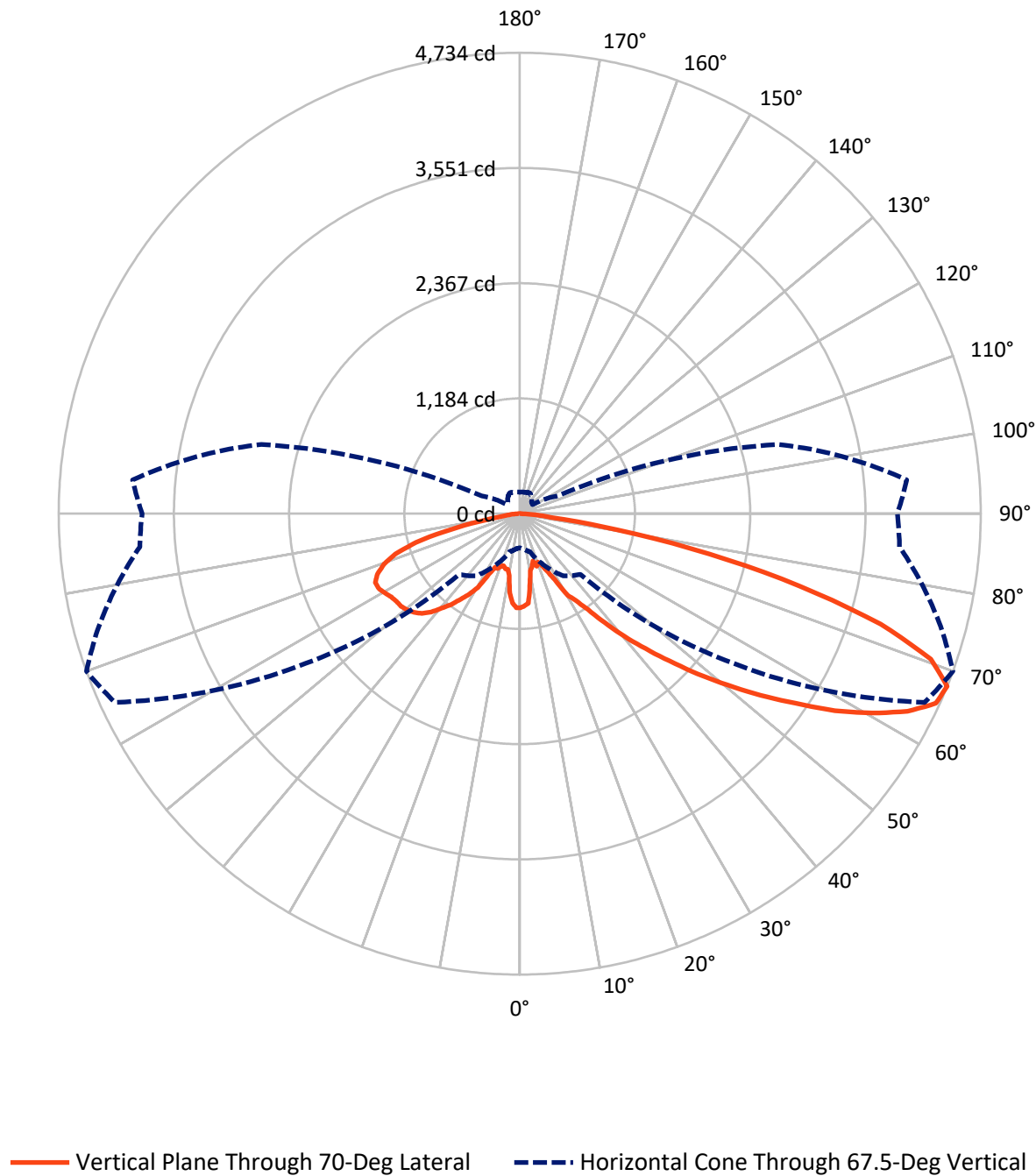


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

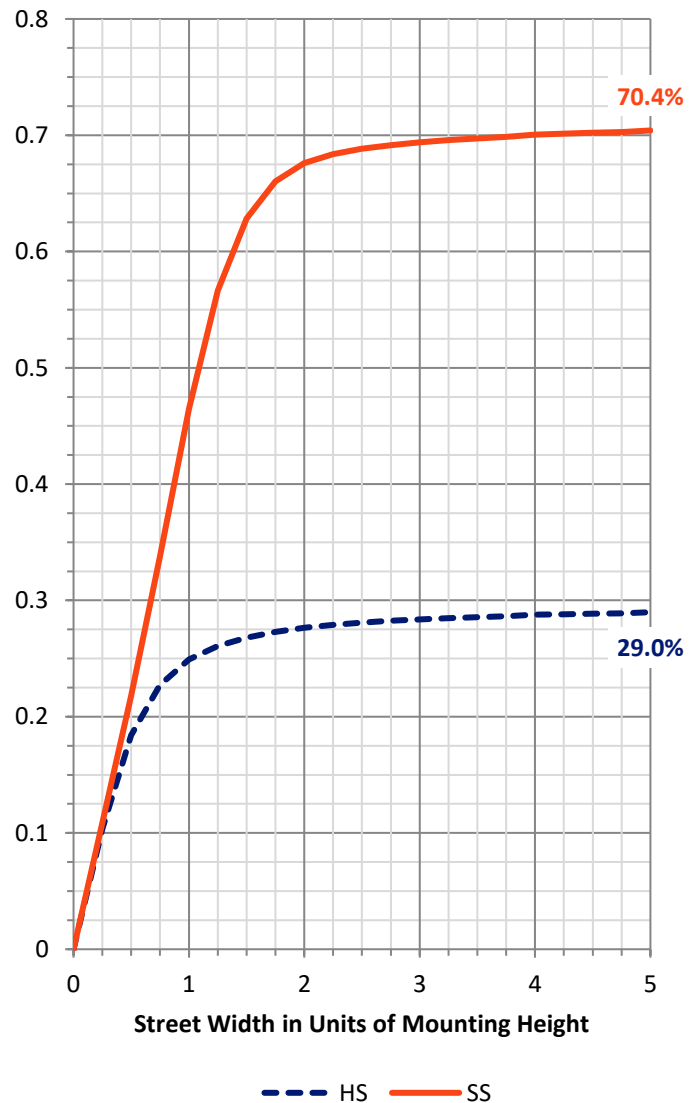
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.3	0.0	2035.3
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4905.0	0.0	4905.0
	% Fixture	70.7	0.0	70.7
Total	Lumens	6940.2	0.0	6940.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.1
10°-20°	181.7	2.6
20°-30°	322.8	4.7
30°-40°	682.5	9.8
40°-50°	1249.3	18.0
50°-60°	1704.4	24.6
60°-70°	1606.8	23.2
70°-80°	972.4	14.0
80°-90°	142.9	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°	6940.2	100.0
0°-180°	6940.2	100.0

Coefficient of Utilization



REPORT NUMBER: P561025

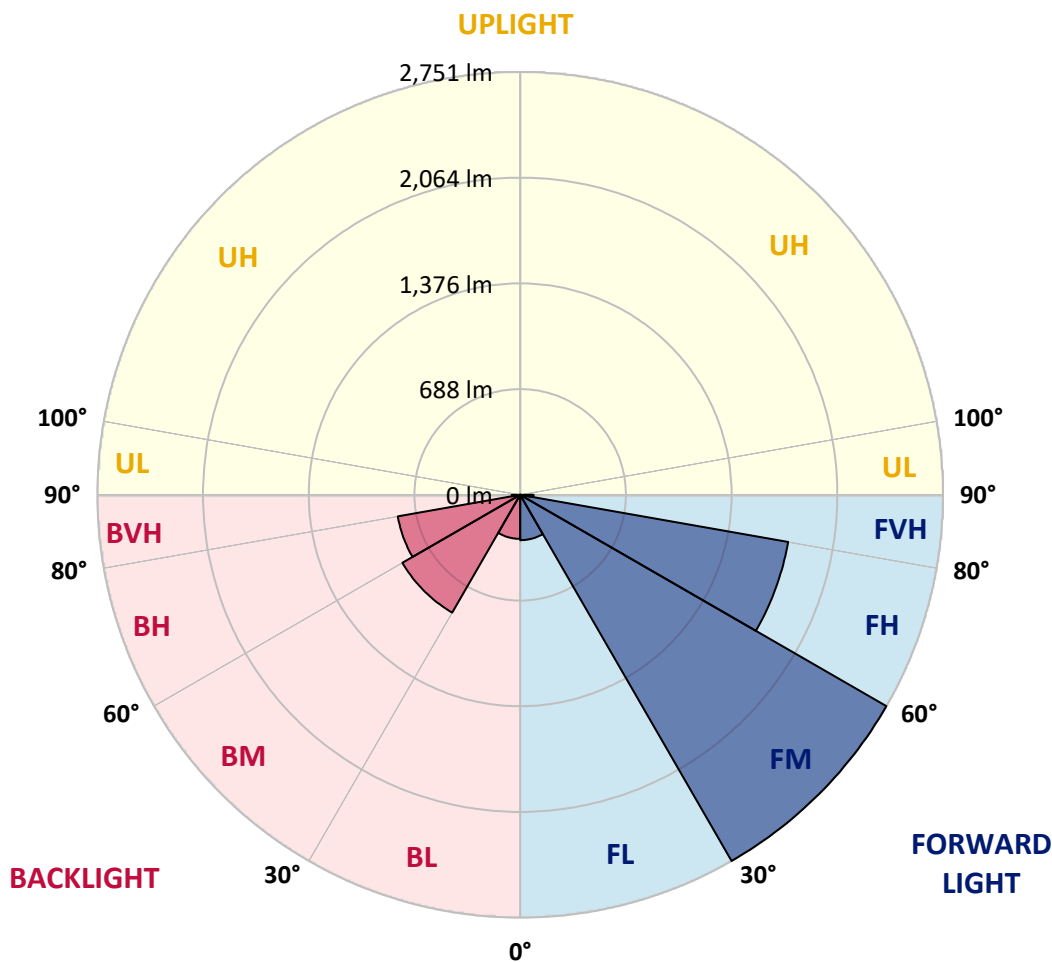
CATALOG NUMBER: SDL-PA1-80-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	4.3			
FM	(30°-60°)	2751.4	39.6			
FH	(60°-80°)	1770.6	25.5			G1/1800
FVH	(80°-90°)	87.6	1.3			G1/100
BL	(0°-30°)	286.7	4.1	B1/500		
BM	(30°-60°)	884.8	12.7	B1/1000		
BH	(60°-80°)	808.6	11.7	B2/1000		G2/1000
BVH	(80°-90°)	55.3	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: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	811.5	819.0	869.0	918.9	921.4	921.4	923.9	926.4	933.9	938.9	943.9
5°	756.6	761.6	761.6	761.6	764.1	766.6	769.1	769.1	774.1	776.6	781.6
7.5°	634.2	684.2	701.7	716.6	726.6	734.1	739.1	744.1	749.1	754.1	759.1
10°	721.6	721.6	724.1	724.1	724.1	721.6	671.7	619.3	644.2	669.2	631.7
12.5°	594.3	604.3	649.2	691.7	704.2	714.1	689.2	661.7	616.8	571.8	566.8
15°	706.7	706.7	706.7	704.2	659.2	611.8	564.3	514.4	544.3	574.3	529.4
17.5°	611.8	611.8	649.2	684.2	681.7	676.7	634.2	589.3	519.4	447.0	504.4
20°	771.6	769.1	756.6	741.6	649.2	556.8	576.8	596.8	601.8	604.3	586.8
22.5°	689.2	691.7	706.7	721.6	724.1	726.6	619.3	509.4	571.8	634.2	574.3
25°	958.8	953.9	931.4	906.4	804.0	699.2	719.1	739.1	636.7	531.9	596.8
27.5°	911.4	896.4	886.4	876.4	893.9	911.4	816.5	719.1	741.6	764.1	681.7
30°	1303.4	1303.4	1278.5	1251.0	1096.2	938.9	913.9	888.9	829.0	766.6	781.6
32.5°	1650.5	1650.5	1558.1	1463.2	1370.9	1278.5	1156.1	1033.8	1008.8	981.3	956.3
35°	2077.5	2065.0	2012.6	1957.6	1757.9	1558.1	1400.8	1243.5	1193.6	1143.6	1118.7
37.5°	2477.0	2449.6	2377.1	2302.2	2092.5	1880.2	1673.0	1465.7	1410.8	1355.9	1300.9
40°	2806.6	2791.6	2741.7	2689.3	2452.1	2214.8	1980.1	1742.9	1670.5	1598.1	1518.2
42.5°	3108.8	3096.3	3051.3	3003.9	2769.2	2532.0	2309.7	2085.0	1977.6	1870.3	1775.4
45°	3331.0	3311.0	3281.1	3248.6	3061.3	2871.5	2646.8	2419.6	2377.1	2334.7	2149.9
47.5°	3400.9	3366.0	3361.0	3356.0	3206.1	3056.3	2876.5	2696.8	2704.2	2711.7	2497.0
50°	3298.5	3246.1	3268.6	3291.0	3231.1	3168.7	3028.9	2889.0	2951.5	3011.4	2841.6
52.5°	2926.5	2914.0	2971.4	3026.4	3041.3	3056.3	3026.4	2993.9	3108.8	3223.6	3161.2
55°	2414.6	2469.5	2549.4	2629.3	2691.8	2751.7	2839.1	2926.5	3123.7	3321.0	3366.0
57.5°	1902.7	1960.1	2052.5	2144.9	2217.3	2289.7	2469.5	2649.3	2946.5	3243.6	3445.9
60°	1281.0	1340.9	1493.2	1643.0	1745.4	1847.8	2010.1	2172.4	2546.9	2921.5	3331.0
62.5°	854.0	834.0	961.3	1086.2	1251.0	1415.8	1488.2	1558.1	1950.2	2339.7	3001.4
65°	524.4	526.9	576.8	624.2	806.5	986.3	1043.7	1098.7	1320.9	1543.1	2444.6
67.5°	352.1	359.6	382.0	404.5	491.9	579.3	679.2	779.1	831.5	881.4	1782.9
70°	312.1	314.6	324.6	334.6	359.6	384.5	476.9	569.3	539.4	506.9	1011.3
72.5°	274.7	277.2	294.6	309.6	322.1	334.6	389.5	444.5	409.5	374.5	504.4
75°	224.7	232.2	249.7	264.7	289.7	312.1	324.6	337.1	319.6	299.6	324.6
77.5°	184.8	189.8	202.3	214.7	239.7	262.2	274.7	287.2	259.7	232.2	247.2
80°	144.8	147.3	157.3	167.3	187.3	204.8	219.7	232.2	207.3	179.8	187.3
82.5°	87.4	89.9	104.9	117.4	134.8	149.8	159.8	167.3	174.8	179.8	157.3
85°	47.4	47.4	57.4	67.4	69.9	72.4	82.4	89.9	112.4	132.3	114.9
87.5°	7.5	7.5	10.0	10.0	15.0	17.5	20.0	20.0	22.5	22.5	25.0
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: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	946.4	948.9	948.9	948.9	951.4	953.9	956.3	956.3	958.8	961.3	963.8
5°	786.6	851.5	913.9	923.9	931.4	936.4	941.4	943.9	948.9	953.9	956.3
7.5°	764.1	764.1	764.1	746.6	811.5	819.0	826.5	831.5	836.5	831.5	824.0
10°	591.8	591.8	589.3	594.3	621.8	669.2	714.1	719.1	724.1	684.2	641.7
12.5°	559.3	566.8	574.3	561.8	511.9	554.3	596.8	604.3	606.8	571.8	534.4
15°	481.9	484.4	486.9	504.4	606.8	649.2	691.7	699.2	706.7	669.2	629.2
17.5°	559.3	541.8	521.9	569.3	529.4	556.8	581.8	521.9	576.8	566.8	556.8
20°	569.3	509.4	447.0	531.9	621.8	664.2	704.2	709.1	711.6	681.7	649.2
22.5°	514.4	571.8	629.2	571.8	536.9	531.9	526.9	524.4	526.9	544.3	559.3
25°	661.7	589.3	516.9	649.2	731.6	751.6	771.6	761.6	756.6	719.1	681.7
27.5°	599.3	656.7	711.6	766.6	791.5	819.0	844.0	851.5	811.5	771.6	731.6
30°	794.0	829.0	861.5	973.8	1056.2	1081.2	1106.2	1081.2	1066.2	1016.3	963.8
32.5°	928.9	998.8	1068.7	1066.2	1143.6	1163.6	1181.1	1148.6	1121.2	1066.2	1008.8
35°	1093.7	1138.6	1183.6	1208.5	1286.0	1293.4	1300.9	1258.5	1218.5	1153.6	1088.7
37.5°	1246.0	1303.4	1358.4	1420.8	1488.2	1473.2	1455.7	1403.3	1338.4	1288.5	1238.5
40°	1435.8	1505.7	1575.6	1655.5	1695.5	1673.0	1648.0	1568.1	1505.7	1453.3	1400.8
42.5°	1678.0	1752.9	1825.3	1895.2	1910.2	1885.2	1857.8	1770.4	1675.5	1623.0	1568.1
45°	1962.6	2022.6	2082.5	2154.9	2184.9	2139.9	2092.5	1982.6	1870.3	1795.3	1720.4
47.5°	2279.8	2307.2	2334.7	2459.5	2499.5	2424.6	2347.2	2227.3	2070.0	1972.6	1872.7
50°	2671.8	2664.3	2654.3	2764.2	2856.6	2731.7	2604.4	2464.5	2309.7	2172.4	2032.6
52.5°	3098.8	3026.4	2951.5	3098.8	3143.7	2993.9	2844.1	2694.3	2539.4	2362.2	2182.4
55°	3410.9	3370.9	3331.0	3435.9	3430.9	3256.1	3078.8	2901.5	2774.2	2536.9	2299.7
57.5°	3645.6	3680.6	3713.0	3817.9	3698.1	3498.3	3298.5	3121.2	3011.4	2714.2	2417.1
60°	3738.0	3917.8	4095.1	4157.5	3975.2	3750.5	3523.3	3348.5	3256.1	2896.5	2536.9
62.5°	3663.1	4060.1	4457.1	4469.6	4229.9	3977.7	3725.5	3583.2	3535.7	3093.8	2649.3
65°	3346.0	4000.2	4651.9	4696.9	4427.2	4162.5	3895.3	3790.4	3820.4	3278.6	2734.2
67.5°	2681.8	3635.6	4587.0	4734.3	4474.6	4195.0	3915.3	3877.8	3990.2	3368.4	2746.7
70°	1515.7	2794.1	4070.1	4479.6	4342.3	4065.1	3785.4	3802.9	3970.2	3318.5	2666.8
72.5°	631.7	1932.7	3233.6	3875.3	3995.2	3760.5	3523.3	3588.2	3703.0	3083.8	2462.0
75°	349.6	1233.5	2117.5	2971.4	3341.0	3278.6	3213.6	3286.0	3231.1	2631.8	2032.6
77.5°	259.7	666.7	1073.7	1990.1	2514.5	2656.8	2796.6	2831.6	2524.5	1922.7	1320.9
80°	194.8	317.1	437.0	1016.3	1348.4	1603.1	1857.8	1700.5	1485.7	1038.8	591.8
82.5°	134.8	182.3	229.7	327.1	524.4	604.3	681.7	649.2	486.9	342.1	194.8
85°	94.9	119.9	144.8	179.8	224.7	179.8	134.8	109.9	127.3	117.4	107.4
87.5°	25.0	25.0	22.5	25.0	17.5	15.0	12.5	10.0	10.0	10.0	10.0
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: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	966.3	968.8	968.8	968.8	968.8	966.3	953.9	941.4	911.4	881.4	871.5
5°	923.9	891.4	866.5	841.5	841.5	841.5	846.5	851.5	854.0	856.5	859.0
7.5°	824.0	821.5	831.5	841.5	849.0	856.5	861.5	866.5	856.5	846.5	824.0
10°	644.2	644.2	656.7	666.7	684.2	701.7	751.6	801.5	844.0	886.4	893.9
12.5°	584.3	631.7	604.3	574.3	636.7	699.2	754.1	806.5	849.0	888.9	856.5
15°	586.8	541.8	551.8	561.8	629.2	696.7	646.7	594.3	694.2	791.5	814.0
17.5°	559.3	561.8	606.8	651.7	584.3	514.4	601.8	689.2	726.6	761.6	729.1
20°	574.3	496.9	549.3	601.8	649.2	694.2	649.2	601.8	614.3	626.7	711.6
22.5°	606.8	654.2	609.3	564.3	619.3	671.7	649.2	626.7	666.7	704.2	669.2
25°	604.3	524.4	599.3	674.2	624.2	571.8	599.3	626.7	606.8	584.3	649.2
27.5°	696.7	661.7	641.7	619.3	646.7	674.2	616.8	559.3	559.3	559.3	551.8
30°	871.5	779.1	739.1	696.7	629.2	561.8	541.8	521.9	524.4	526.9	564.3
32.5°	973.8	938.9	819.0	699.2	636.7	574.3	521.9	469.4	474.4	479.4	526.9
35°	1063.7	1036.3	876.4	714.1	611.8	506.9	461.9	414.5	437.0	457.0	496.9
37.5°	1166.1	1091.2	873.9	654.2	544.3	434.5	407.0	379.5	394.5	407.0	432.0
40°	1258.5	1113.7	851.5	586.8	476.9	364.6	352.1	337.1	349.6	362.1	377.0
42.5°	1358.4	1146.1	819.0	489.4	402.0	314.6	309.6	304.6	317.1	329.6	339.6
45°	1435.8	1151.1	776.6	399.5	342.1	284.7	284.7	282.2	294.6	304.6	309.6
47.5°	1485.7	1096.2	709.1	319.6	294.6	269.7	272.2	272.2	282.2	289.7	292.1
50°	1520.7	1006.3	644.2	282.2	269.7	257.2	257.2	257.2	267.2	274.7	279.7
52.5°	1545.6	906.4	584.3	259.7	254.7	247.2	247.2	244.7	257.2	269.7	272.2
55°	1553.1	804.0	524.4	242.2	237.2	232.2	237.2	239.7	254.7	267.2	269.7
57.5°	1570.6	724.1	474.4	224.7	222.2	219.7	227.2	234.7	249.7	264.7	264.7
60°	1605.6	671.7	439.5	207.3	207.3	207.3	219.7	229.7	244.7	259.7	257.2
62.5°	1638.0	624.2	407.0	189.8	192.3	194.8	209.7	224.7	239.7	254.7	252.2
65°	1643.0	549.3	362.1	174.8	179.8	182.3	199.8	217.2	232.2	247.2	242.2
67.5°	1588.1	429.5	294.6	159.8	167.3	172.3	192.3	209.7	224.7	237.2	232.2
70°	1488.2	307.1	227.2	147.3	154.8	159.8	179.8	197.3	209.7	222.2	217.2
72.5°	1340.9	219.7	177.3	134.8	139.8	144.8	162.3	179.8	194.8	207.3	202.3
75°	1106.2	177.3	149.8	122.4	127.3	129.8	147.3	162.3	177.3	189.8	182.3
77.5°	734.1	144.8	127.3	109.9	112.4	114.9	129.8	142.3	154.8	164.8	159.8
80°	354.6	117.4	107.4	94.9	97.4	97.4	109.9	122.4	132.3	139.8	137.3
82.5°	144.8	92.4	84.9	77.4	77.4	77.4	89.9	99.9	109.9	117.4	112.4
85°	89.9	72.4	67.4	59.9	57.4	54.9	59.9	64.9	69.9	72.4	69.9
87.5°	12.5	12.5	15.0	17.5	15.0	10.0	15.0	20.0	20.0	17.5	15.0
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: P561025

CATALOG NUMBER: SDL-PA1-80-722-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	966.3	966.3	966.3	966.3
2.5°	861.5	861.5	861.5	866.5
5°	859.0	859.0	859.0	864.0
7.5°	801.5	776.6	751.6	754.1
10°	898.9	901.4	901.4	903.9
12.5°	821.5	781.6	741.6	746.6
15°	836.5	836.5	834.0	836.5
17.5°	696.7	684.2	671.7	671.7
20°	796.5	796.5	796.5	796.5
22.5°	634.2	631.7	629.2	631.7
25°	714.1	716.6	716.6	714.1
27.5°	544.3	576.8	606.8	609.3
30°	599.3	599.3	599.3	599.3
32.5°	574.3	599.3	624.2	626.7
35°	534.4	531.9	529.4	536.9
37.5°	454.5	449.5	444.5	444.5
40°	392.0	382.0	372.1	372.1
42.5°	347.1	339.6	329.6	327.1
45°	314.6	307.1	297.1	297.1
47.5°	292.1	287.2	282.2	279.7
50°	282.2	277.2	272.2	272.2
52.5°	274.7	272.2	267.2	267.2
55°	269.7	267.2	262.2	262.2
57.5°	264.7	262.2	257.2	257.2
60°	254.7	252.2	249.7	249.7
62.5°	247.2	244.7	242.2	242.2
65°	237.2	237.2	234.7	232.2
67.5°	224.7	224.7	224.7	219.7
70°	209.7	209.7	209.7	204.8
72.5°	194.8	194.8	192.3	184.8
75°	174.8	172.3	169.8	164.8
77.5°	154.8	149.8	144.8	142.3
80°	132.3	127.3	122.4	117.4
82.5°	104.9	102.4	97.4	84.9
85°	64.9	57.4	47.4	42.4
87.5°	12.5	10.0	7.5	2.5
90°	0.0	0.0	0.0	0.0

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