

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: P561099

Luminaire Tested: **SDL-PA1-80-740-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-740-U-T4W
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9281.1 lumens
Efficiency: N/A
Efficacy: 113.2 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: B2 - U0 - G3

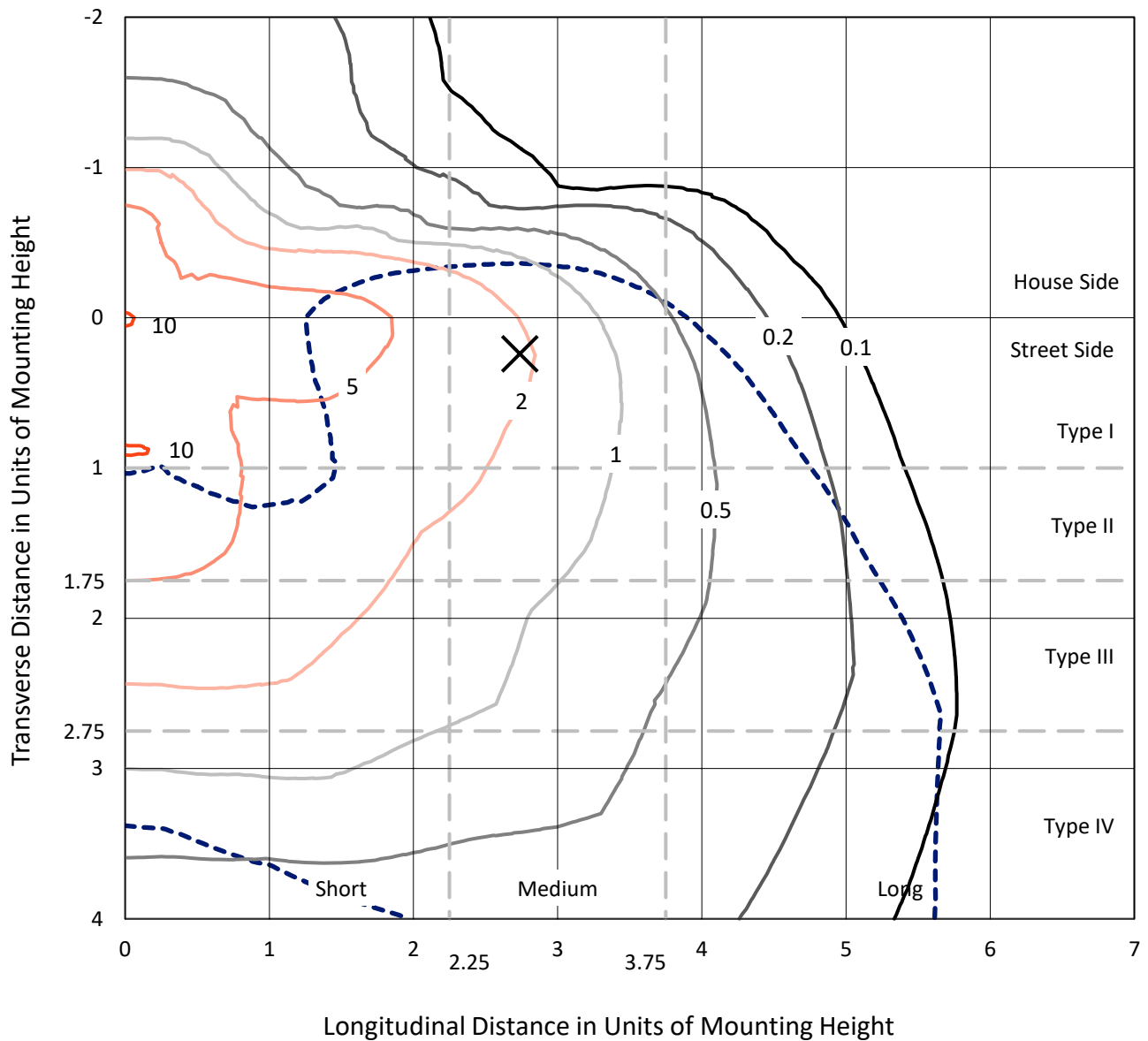
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

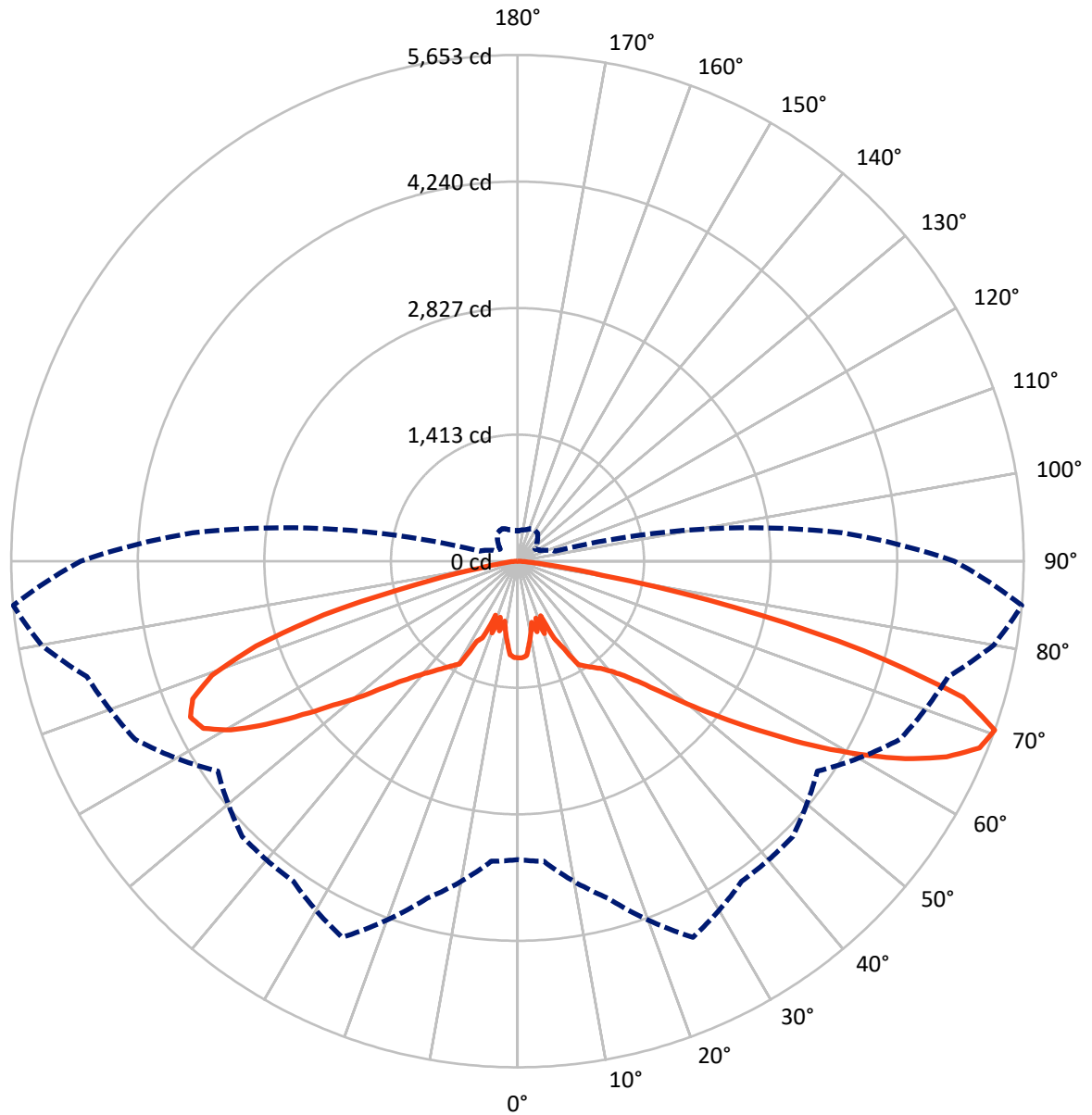
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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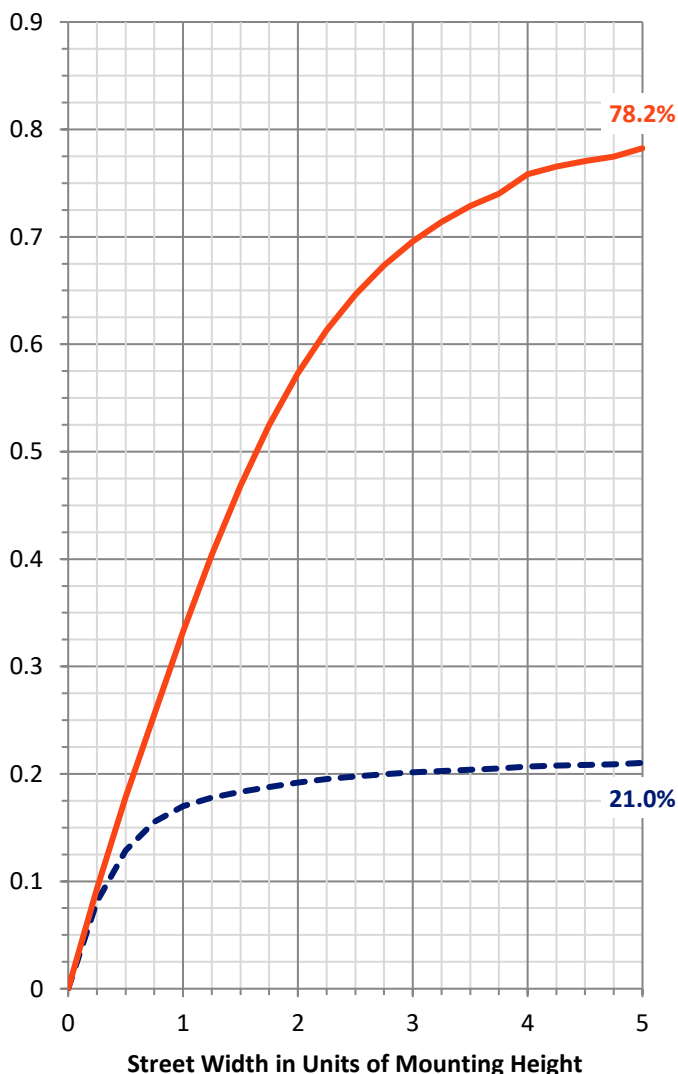
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1995.5	0.0	1995.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7285.6	0.0	7285.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	9281.1	0.0	9281.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.0
10°-20°	225.9	2.4
20°-30°	394.9	4.3
30°-40°	695.5	7.5
40°-50°	1049.3	11.3
50°-60°	1669.0	18.0
60°-70°	2447.5	26.4
70°-80°	2295.0	24.7
80°-90°	414.4	4.5
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°	9281.1	100.0
0°-180°	9281.1	100.0

Coefficient of Utilization



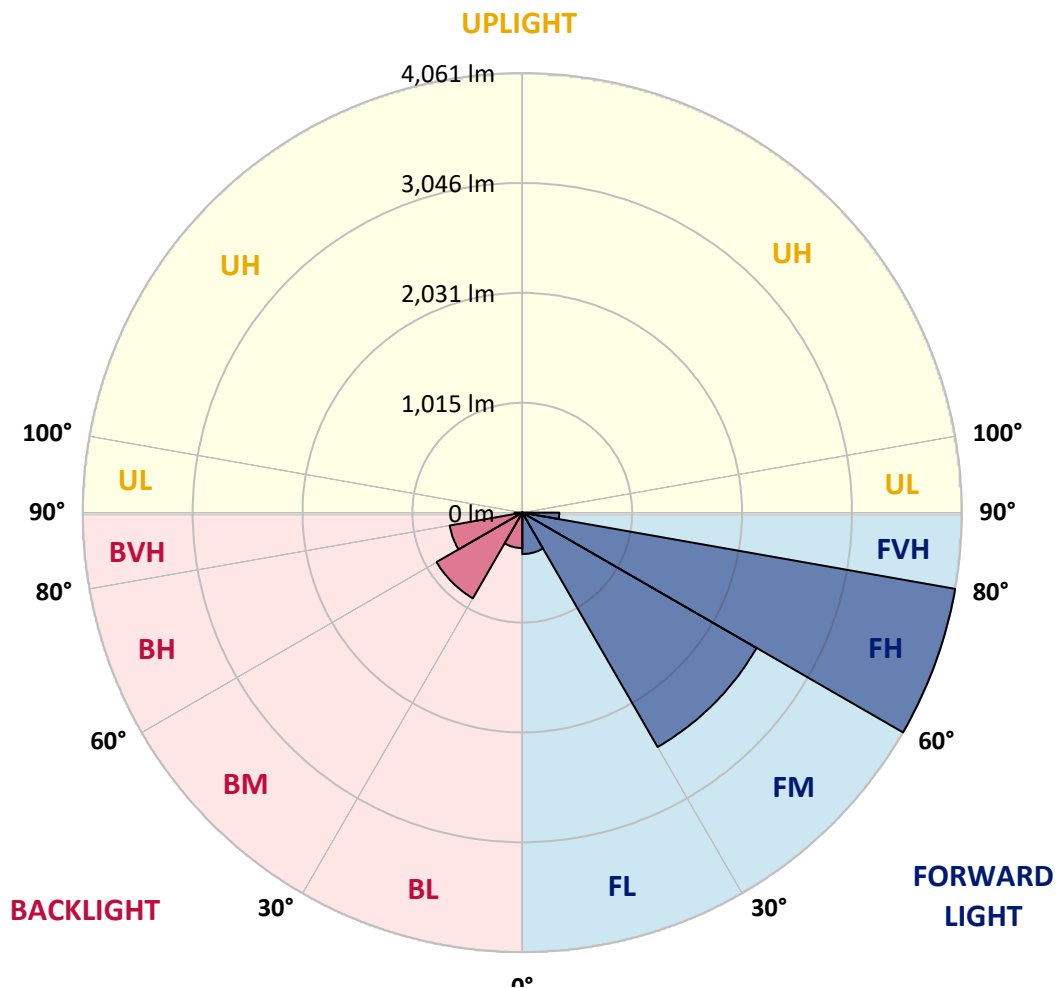
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.7	4.1			
FM (30°-60°)	2500.4	26.9			
FH (60°-80°)	4061.3	43.8			G2/5000
FVH (80°-90°)	341.2	3.7			G3/500
BL (0°-30°)	327.7	3.5	B1/500		
BM (30°-60°)	913.5	9.8	B1/1000		
BH (60°-80°)	681.2	7.3	B2/1000		G2/1000
BVH (80°-90°)	73.2	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-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2
2.5°	979.9	1021.0	1041.5	1062.1	1069.0	1075.8	1075.8	1072.4	1072.4	1072.4	1079.2
5°	997.0	993.6	993.6	993.6	990.2	986.7	983.3	976.5	973.0	966.2	962.7
7.5°	914.8	983.3	986.7	990.2	990.2	986.7	993.6	1000.4	993.6	983.3	969.6
10°	1086.1	1082.7	1075.8	1069.0	1058.7	1048.4	969.6	887.4	894.2	901.1	836.0
12.5°	942.2	1007.3	1034.7	1062.1	1065.5	1065.5	1010.7	952.5	877.1	801.7	770.9
15°	1151.2	1144.3	1130.6	1116.9	1024.4	928.5	873.7	818.8	818.8	818.8	726.3
17.5°	969.6	966.2	1027.8	1089.5	1055.3	1021.0	942.2	863.4	746.9	627.0	702.4
20°	1188.9	1188.9	1171.7	1154.6	997.0	836.0	846.3	853.1	856.5	856.5	822.3
22.5°	997.0	990.2	997.0	1000.4	1000.4	1000.4	856.5	712.6	791.4	866.8	788.0
25°	1188.9	1192.3	1188.9	1185.4	1041.5	894.2	918.2	942.2	832.6	719.5	794.9
27.5°	1038.1	1034.7	1017.6	1000.4	1003.9	1007.3	931.9	853.1	897.6	942.2	863.4
30°	1271.1	1274.5	1264.2	1250.5	1106.6	962.7	955.9	945.6	914.8	883.9	911.4
32.5°	1534.9	1534.9	1428.7	1322.5	1233.4	1140.9	1065.5	990.2	1021.0	1051.8	1017.6
35°	1675.4	1668.5	1634.3	1596.6	1432.1	1264.2	1161.5	1055.3	1065.5	1072.4	1072.4
37.5°	1925.5	1922.1	1874.1	1826.1	1603.4	1377.3	1243.7	1106.6	1127.2	1144.3	1120.3
40°	2237.3	2237.3	2199.6	2158.5	1874.1	1586.3	1397.9	1209.4	1206.0	1199.2	1171.7
42.5°	2538.8	2549.1	2525.1	2501.1	2168.7	1836.4	1589.7	1343.0	1312.2	1281.4	1254.0
45°	2737.5	2751.2	2771.7	2792.3	2463.4	2134.5	1846.7	1555.5	1497.2	1435.6	1387.6
47.5°	2939.6	2919.1	2946.5	2973.9	2692.9	2412.0	2096.8	1781.6	1685.7	1589.7	1538.3
50°	3128.1	3121.2	3131.5	3141.8	2912.2	2682.7	2357.2	2031.7	1915.2	1795.3	1737.1
52.5°	3374.8	3350.8	3337.1	3323.4	3128.1	2932.8	2624.4	2312.6	2175.6	2035.1	1966.6
55°	3611.2	3600.9	3580.3	3556.3	3388.5	3220.6	2895.1	2569.6	2425.7	2281.8	2203.0
57.5°	3854.4	3847.6	3844.1	3840.7	3693.4	3546.1	3213.7	2878.0	2713.5	2545.6	2480.5
60°	4084.0	4087.4	4114.8	4138.8	4025.7	3912.7	3576.9	3241.1	3032.1	2819.7	2754.6
62.5°	4221.0	4231.3	4299.8	4364.9	4303.2	4241.6	3895.5	3546.1	3326.8	3104.1	3059.5
65°	4046.3	4097.7	4296.4	4495.1	4495.1	4495.1	4179.9	3861.3	3669.4	3477.5	3439.8
67.5°	3655.7	3707.1	3991.5	4272.4	4419.7	4567.0	4361.5	4155.9	4025.7	3892.1	3844.1
70°	3333.6	3364.5	3631.7	3895.5	4265.5	4635.6	4502.0	4364.9	4358.1	4347.8	4217.6
72.5°	3063.0	3131.5	3350.8	3566.6	4077.1	4587.6	4584.2	4580.8	4721.2	4861.7	4611.6
75°	2449.7	2442.8	2648.4	2854.0	3429.6	4001.7	4323.8	4642.4	5046.7	5447.6	5063.8
77.5°	1092.9	1168.3	1363.6	1558.9	2076.2	2590.2	3210.3	3830.4	4721.2	5608.6	5218.0
80°	311.8	328.9	383.7	435.1	678.4	918.2	1569.2	2216.7	3337.1	4454.0	4190.2
82.5°	164.5	171.3	205.6	236.4	304.9	370.0	616.7	860.0	1822.7	2782.0	2542.2
85°	78.8	71.9	92.5	109.6	147.3	185.0	284.4	383.7	705.8	1027.8	887.4
87.5°	17.1	17.1	20.6	20.6	30.8	41.1	61.7	82.2	78.8	71.9	85.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2
2.5°	1082.7	1086.1	1089.5	1086.1	1082.7	1079.2	1079.2	1075.8	1075.8	1072.4	1065.5
5°	959.3	1007.3	1055.3	1058.7	1062.1	1062.1	1058.7	1055.3	1048.4	1045.0	1038.1
7.5°	955.9	938.8	921.6	925.1	928.5	931.9	931.9	921.6	918.2	890.8	863.4
10°	767.5	750.3	733.2	743.5	753.8	791.4	812.0	805.1	798.3	750.3	698.9
12.5°	740.0	733.2	726.3	675.0	623.6	668.1	698.9	695.5	685.2	640.7	596.1
15°	633.8	637.3	637.3	695.5	753.8	791.4	818.8	812.0	805.1	750.3	695.5
17.5°	774.3	736.6	695.5	685.2	675.0	692.1	668.1	630.4	654.4	647.5	640.7
20°	784.6	692.1	596.1	692.1	788.0	812.0	863.4	860.0	849.7	801.7	753.8
22.5°	709.2	764.0	815.4	764.0	712.6	678.4	661.2	654.4	651.0	664.7	675.0
25°	870.2	767.5	661.2	788.0	911.4	938.8	952.5	942.2	938.8	877.1	815.4
27.5°	781.2	836.0	890.8	931.9	973.0	1007.3	1110.1	1010.7	1007.3	949.0	887.4
30°	935.3	993.6	1051.8	1158.0	1264.2	1322.5	1343.0	1336.2	1319.1	1226.6	1134.1
32.5°	983.3	1099.8	1212.9	1260.8	1305.4	1367.0	1397.9	1394.4	1377.3	1267.7	1154.6
35°	1072.4	1158.0	1243.7	1308.8	1370.5	1428.7	1456.1	1466.4	1445.8	1308.8	1168.3
37.5°	1096.4	1206.0	1315.6	1384.2	1452.7	1497.2	1521.2	1552.0	1528.1	1363.6	1195.7
40°	1144.3	1274.5	1401.3	1469.8	1534.9	1576.0	1617.1	1654.8	1624.0	1425.3	1223.1
42.5°	1223.1	1356.8	1486.9	1565.7	1641.1	1699.4	1747.3	1798.7	1740.5	1483.5	1223.1
45°	1339.6	1463.0	1586.3	1692.5	1795.3	1867.2	1935.8	2007.7	1891.2	1558.9	1223.1
47.5°	1486.9	1606.9	1723.4	1891.2	2059.1	2124.2	2206.4	2275.0	2086.5	1654.8	1223.1
50°	1675.4	1809.0	1942.6	2165.3	2384.6	2446.3	2549.1	2600.4	2346.9	1802.2	1254.0
52.5°	1894.7	2042.0	2185.9	2446.3	2706.7	2809.4	2946.5	2980.7	2610.7	1949.5	1284.8
55°	2124.2	2322.9	2518.2	2806.0	3090.4	3189.7	3385.0	3412.4	2949.9	2131.1	1308.8
57.5°	2415.4	2648.4	2878.0	3158.9	3436.4	3576.9	3881.8	3892.1	3343.9	2353.8	1360.2
60°	2689.5	2980.7	3268.5	3535.8	3803.0	4022.3	4375.2	4378.6	3713.9	2521.6	1325.9
62.5°	3015.0	3361.0	3703.7	3933.2	4162.8	4433.4	4858.3	4796.6	3974.3	2542.2	1110.1
65°	3398.7	3755.1	4111.4	4306.7	4498.5	4806.9	5266.0	5029.6	4046.3	2425.7	801.7
67.5°	3792.7	4125.1	4457.4	4611.6	4765.8	5156.3	5564.1	5057.0	3940.1	2251.0	558.5
70°	4087.4	4399.2	4710.9	4844.6	4978.2	5399.6	5653.1	4878.8	3642.0	2038.6	435.1
72.5°	4358.1	4652.7	4943.9	5012.4	5077.5	5293.4	5200.9	4299.8	3069.8	1716.5	359.7
75°	4680.1	4868.5	5053.6	4930.2	4806.9	4515.7	3991.5	3134.9	2247.5	1278.0	308.4
77.5°	4827.4	4782.9	4734.9	4313.5	3892.1	3110.9	2480.5	1812.4	1140.9	702.4	263.8
80°	3926.4	3748.2	3566.6	2860.8	2155.0	1473.2	966.2	613.3	418.0	315.2	212.4
82.5°	2298.9	1884.4	1469.8	1079.2	688.7	483.1	315.2	250.1	195.3	185.0	171.3
85°	743.5	657.8	572.2	452.3	332.3	205.6	119.9	109.6	102.8	113.1	119.9
87.5°	99.4	99.4	95.9	71.9	44.5	24.0	13.7	10.3	10.3	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2	1079.2
2.5°	1065.5	1062.1	1058.7	1055.3	1051.8	1045.0	1017.6	990.2	979.9	966.2	955.9
5°	1003.9	969.6	945.6	921.6	911.4	897.6	901.1	904.5	907.9	907.9	907.9
7.5°	870.2	877.1	880.5	880.5	890.8	897.6	904.5	907.9	894.2	880.5	863.4
10°	692.1	681.8	695.5	705.8	722.9	736.6	781.2	825.7	866.8	907.9	925.1
12.5°	630.4	664.7	637.3	609.9	664.7	716.1	777.7	839.4	877.1	911.4	880.5
15°	640.7	582.4	589.3	592.7	661.2	726.3	688.7	651.0	757.2	860.0	890.8
17.5°	630.4	620.1	657.8	692.1	627.0	561.9	654.4	743.5	791.4	839.4	825.7
20°	681.8	606.4	606.4	606.4	664.7	722.9	678.4	633.8	685.2	736.6	822.3
22.5°	705.8	733.2	678.4	620.1	657.8	695.5	695.5	692.1	750.3	805.1	791.4
25°	712.6	609.9	657.8	702.4	678.4	651.0	681.8	709.2	726.3	743.5	818.8
27.5°	815.4	743.5	688.7	630.4	675.0	719.5	709.2	698.9	712.6	726.3	743.5
30°	966.2	798.3	736.6	671.5	647.5	620.1	651.0	678.4	729.8	781.2	849.7
32.5°	1010.7	863.4	764.0	661.2	657.8	651.0	661.2	668.1	726.3	781.2	877.1
35°	1003.9	836.0	740.0	640.7	620.1	599.6	616.7	630.4	716.1	801.7	894.2
37.5°	997.0	794.9	695.5	596.1	582.4	565.3	582.4	599.6	664.7	729.8	815.4
40°	986.7	746.9	651.0	551.6	534.5	517.3	534.5	548.2	599.6	651.0	719.5
42.5°	962.7	698.9	603.0	503.6	489.9	472.8	486.5	500.2	544.8	589.3	630.4
45°	935.3	644.1	551.6	459.1	445.4	431.7	442.0	448.8	489.9	527.6	548.2
47.5°	904.5	585.9	500.2	414.6	400.9	387.2	397.4	404.3	435.1	466.0	472.8
50°	897.6	537.9	459.1	376.9	366.6	352.9	359.7	366.6	390.6	411.1	411.1
52.5°	883.9	479.7	414.6	346.0	339.2	328.9	332.3	335.8	352.9	370.0	366.6
55°	873.7	438.5	380.3	322.1	315.2	304.9	308.4	311.8	328.9	342.6	339.2
57.5°	883.9	404.3	352.9	298.1	291.2	284.4	291.2	298.1	315.2	332.3	332.3
60°	849.7	370.0	322.1	274.1	270.7	263.8	280.9	294.6	322.1	346.0	352.9
62.5°	726.3	339.2	298.1	257.0	260.4	260.4	291.2	318.6	356.3	390.6	397.4
65°	558.5	315.2	280.9	243.3	260.4	277.5	318.6	359.7	394.0	428.3	418.0
67.5°	428.3	298.1	270.7	239.8	277.5	311.8	349.5	387.2	404.3	418.0	400.9
70°	359.7	280.9	260.4	236.4	274.1	311.8	349.5	387.2	394.0	400.9	383.7
72.5°	315.2	267.2	246.7	226.1	257.0	287.8	332.3	373.4	380.3	383.7	366.6
75°	280.9	250.1	226.1	202.1	233.0	260.4	304.9	349.5	356.3	359.7	346.0
77.5°	246.7	229.6	202.1	174.7	205.6	236.4	277.5	318.6	328.9	339.2	322.1
80°	205.6	195.3	174.7	154.2	188.4	219.3	257.0	294.6	304.9	315.2	298.1
82.5°	164.5	157.6	143.9	130.2	164.5	198.7	236.4	270.7	280.9	287.8	267.2
85°	119.9	119.9	113.1	106.2	140.5	171.3	195.3	219.3	215.8	212.4	198.7
87.5°	17.1	17.1	24.0	30.8	41.1	48.0	61.7	71.9	75.4	75.4	58.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: SDL-PA1-80-740-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1079.2	1079.2	1079.2	1079.2
2.5°	945.6	945.6	942.2	949.0
5°	907.9	911.4	911.4	914.8
7.5°	846.3	829.1	808.6	812.0
10°	942.2	945.6	949.0	949.0
12.5°	846.3	832.6	815.4	818.8
15°	918.2	928.5	938.8	942.2
17.5°	808.6	805.1	801.7	798.3
20°	904.5	921.6	938.8	938.8
22.5°	777.7	777.7	777.7	781.2
25°	894.2	914.8	931.9	931.9
27.5°	757.2	805.1	853.1	890.8
30°	914.8	925.1	935.3	938.8
32.5°	969.6	1021.0	1069.0	1079.2
35°	983.3	1007.3	1027.8	1038.1
37.5°	901.1	921.6	942.2	955.9
40°	784.6	801.7	818.8	829.1
42.5°	668.1	671.5	675.0	692.1
45°	568.7	551.6	534.5	531.1
47.5°	476.2	452.3	428.3	424.8
50°	407.7	387.2	366.6	366.6
52.5°	359.7	346.0	332.3	332.3
55°	335.8	328.9	318.6	318.6
57.5°	332.3	328.9	325.5	325.5
60°	356.3	359.7	359.7	359.7
62.5°	400.9	404.3	404.3	404.3
65°	404.3	397.4	390.6	390.6
67.5°	383.7	373.4	363.2	356.3
70°	363.2	356.3	346.0	335.8
72.5°	346.0	339.2	328.9	318.6
75°	328.9	318.6	304.9	298.1
77.5°	304.9	298.1	287.8	280.9
80°	277.5	270.7	260.4	246.7
82.5°	246.7	250.1	250.1	215.8
85°	181.6	171.3	157.6	130.2
87.5°	37.7	34.3	27.4	24.0
90°	0.0	0.0	0.0	0.0

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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