

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: P561046

Luminaire Tested: **SDL-PA1-80-727-U-T2U-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561046  
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-PA1-80-727-U-T2U-HSS  
Description: Springdale  
(1) 70 CRI, 2700K, 1050mA 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: 5637.7 lumens  
Efficiency: N/A  
Efficacy: 68.8 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

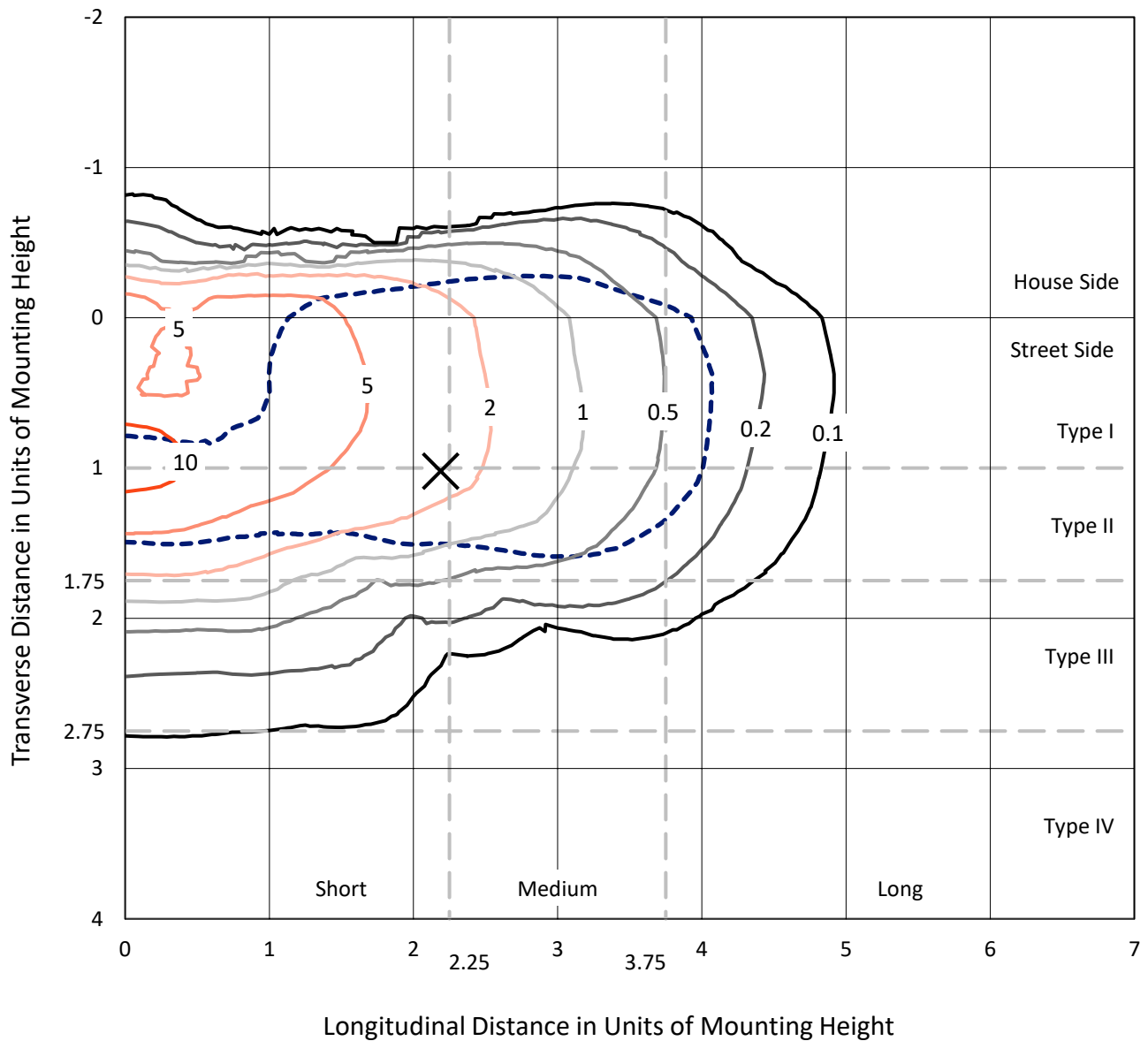
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

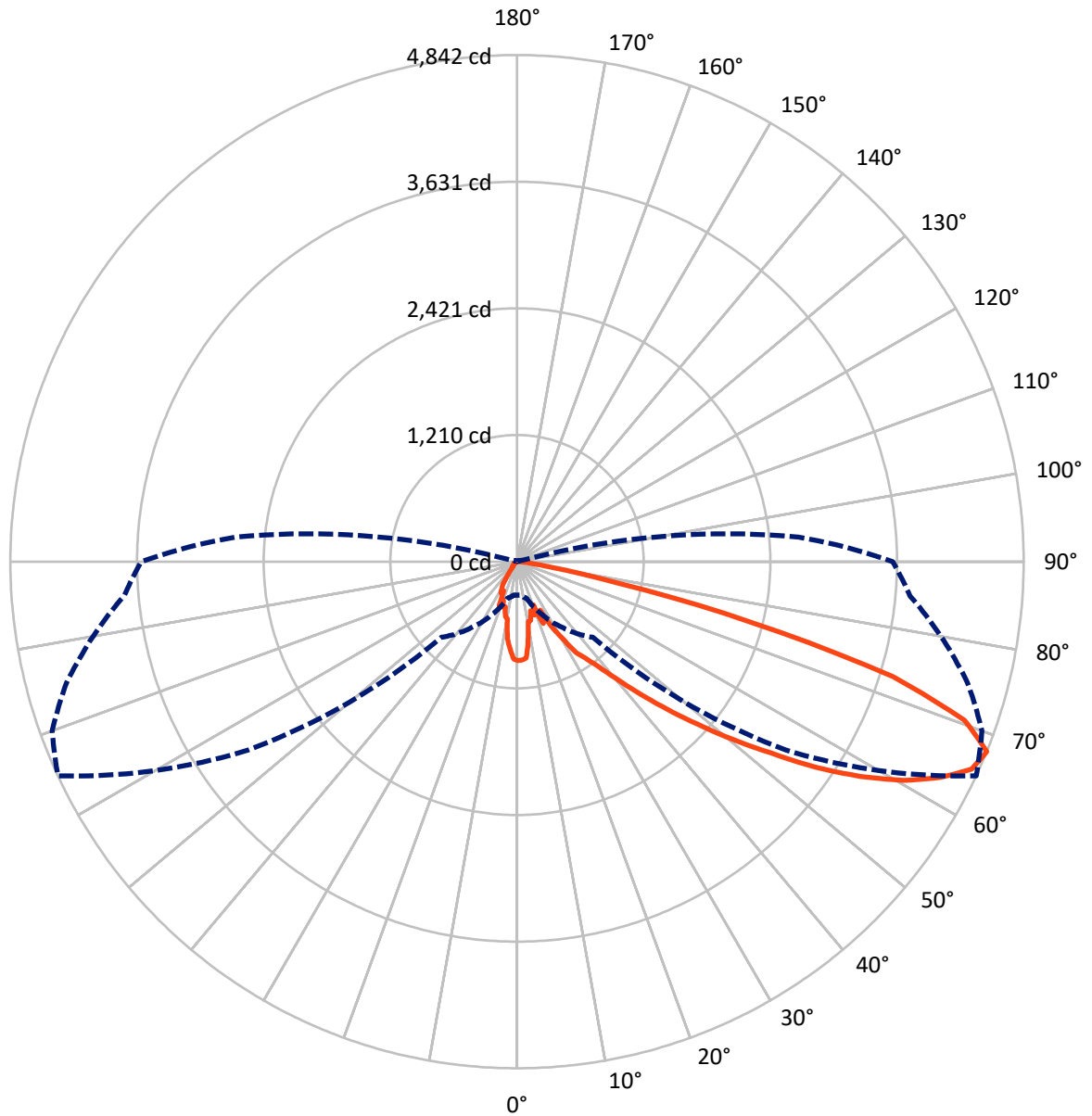
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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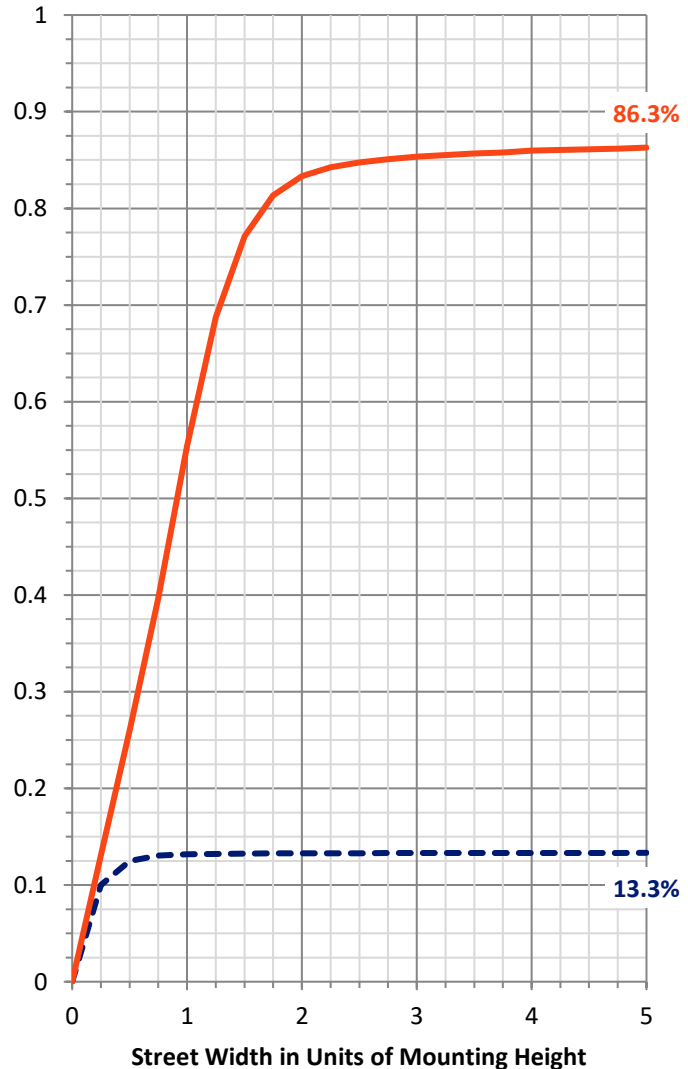
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	762.3	0.0	762.3
	% Fixture	13.5	0.0	13.5
<b>Street Side</b>	Lumens	4875.4	0.0	4875.4
	% Fixture	86.5	0.0	86.5
<b>Total</b>	Lumens	5637.7	0.0	5637.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.3
10°-20°	140.1	2.5
20°-30°	211.6	3.8
30°-40°	487.4	8.6
40°-50°	1069.2	19.0
50°-60°	1569.6	27.8
60°-70°	1363.3	24.2
70°-80°	676.0	12.0
80°-90°	48.0	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°	5637.7	100.0
0°-180°	5637.7	100.0

**Coefficient of Utilization**



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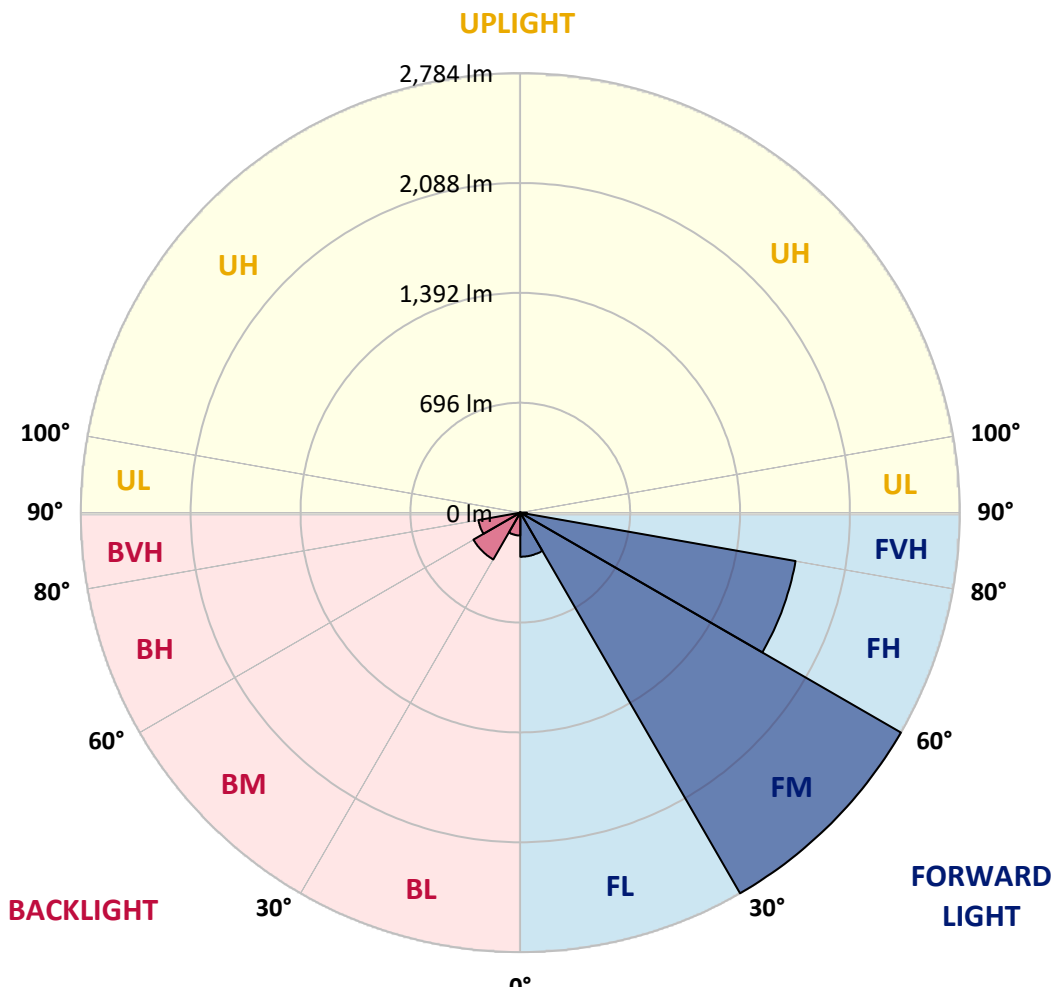
CATALOG NUMBER: SDL-PA1-80-727-U-T2U-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.4	5.0			
FM (30°-60°)	2783.8	49.4			
FH (60°-80°)	1770.0	31.4			G1/1800
FVH (80°-90°)	42.2	0.7			G1/100
BL (0°-30°)	144.8	2.6	B1/500		
BM (30°-60°)	342.4	6.1	B1/1000		
BH (60°-80°)	269.3	4.8	B1/500		G1/500
BVH (80°-90°)	5.8	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9
2.5°	790.4	855.7	875.6	895.5	912.6	929.7	932.5	935.3	941.0	943.9	946.7
5°	773.3	776.1	776.1	773.3	776.1	779.0	779.0	779.0	779.0	779.0	781.8
7.5°	619.8	693.7	716.4	736.3	747.7	756.2	761.9	764.8	767.6	770.5	773.3
10°	747.7	744.9	747.7	747.7	750.6	750.6	685.2	619.8	642.5	662.4	628.3
12.5°	594.2	653.9	679.5	705.1	722.1	736.3	707.9	676.6	616.9	554.4	557.2
15°	716.4	716.4	716.4	716.4	662.4	605.6	568.6	528.8	560.1	588.5	531.6
17.5°	577.1	577.1	628.3	679.5	679.5	676.6	639.7	599.9	520.3	440.7	511.7
20°	713.6	713.6	716.4	719.3	625.5	531.6	562.9	591.3	602.7	614.1	588.5
22.5°	582.8	582.8	591.3	597.0	631.1	665.3	574.3	483.3	557.2	631.1	580.0
25°	753.4	756.2	761.9	764.8	679.5	591.3	631.1	670.9	591.3	511.7	591.3
27.5°	682.3	670.9	670.9	668.1	696.5	722.1	665.3	608.4	659.6	710.8	651.0
30°	958.1	949.6	938.2	926.8	818.8	710.8	713.6	713.6	693.7	673.8	707.9
32.5°	1327.7	1313.5	1216.8	1120.1	1040.5	960.9	878.5	796.0	824.5	850.1	833.0
35°	1782.6	1782.6	1691.6	1600.6	1421.5	1242.4	1103.1	960.9	949.6	938.2	955.2
37.5°	2322.7	2265.9	2157.8	2049.8	1828.1	1603.5	1390.2	1177.0	1151.4	1123.0	1094.6
40°	2723.6	2715.1	2632.6	2550.2	2277.2	2004.3	1754.1	1501.1	1418.7	1333.4	1270.8
42.5°	3141.5	3110.2	3044.9	2976.6	2700.9	2422.2	2155.0	1884.9	1771.2	1657.5	1546.6
45°	3442.9	3434.4	3377.5	3320.6	3096.0	2868.6	2590.0	2308.5	2234.6	2160.7	1953.1
47.5°	3630.5	3582.2	3559.4	3533.9	3340.5	3147.2	2911.2	2672.4	2661.1	2646.8	2385.3
50°	3573.7	3531.0	3536.7	3542.4	3448.6	3354.7	3175.6	2993.7	3025.0	3056.2	2840.2
52.5°	3272.3	3235.3	3286.5	3334.8	3332.0	3329.2	3263.8	3195.5	3309.3	3420.1	3272.3
55°	2669.6	2695.2	2797.5	2899.9	2968.1	3033.5	3127.3	3218.3	3434.4	3647.6	3619.1
57.5°	2092.5	2149.3	2254.5	2356.9	2467.7	2575.8	2774.8	2973.8	3337.7	3698.8	3823.8
60°	1404.4	1441.4	1626.2	1808.2	1910.5	2012.8	2228.9	2442.1	2936.8	3428.7	3755.6
62.5°	872.8	892.7	997.9	1103.1	1310.6	1518.2	1626.2	1731.4	2265.9	2797.5	3403.1
65°	537.3	531.6	574.3	614.1	818.8	1020.6	1091.7	1159.9	1515.3	1867.9	2808.9
67.5°	321.3	318.4	341.2	363.9	457.7	551.5	662.4	773.3	898.4	1020.6	2081.1
70°	261.6	267.2	275.8	284.3	309.9	335.5	437.8	540.2	537.3	534.5	1250.9
72.5°	218.9	224.6	241.7	255.9	275.8	292.8	352.5	409.4	383.8	358.2	597.0
75°	162.1	164.9	187.6	207.5	238.8	267.2	281.5	292.8	281.5	270.1	301.4
77.5°	108.0	108.0	127.9	147.8	179.1	210.4	227.4	244.5	224.6	204.7	213.2
80°	68.2	68.2	79.6	88.1	119.4	150.7	170.6	190.5	173.4	153.5	150.7
82.5°	39.8	42.6	48.3	54.0	73.9	93.8	108.0	122.2	142.2	159.2	127.9
85°	17.1	19.9	25.6	28.4	39.8	48.3	56.9	65.4	82.4	99.5	82.4
87.5°	2.8	2.8	5.7	8.5	11.4	14.2	14.2	14.2	14.2	11.4	14.2
90°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9
2.5°	946.7	943.9	941.0	941.0	941.0	938.2	935.3	935.3	935.3	932.5	929.7
5°	781.8	852.9	924.0	926.8	932.5	929.7	926.8	924.0	921.1	918.3	912.6
7.5°	773.3	767.6	761.9	742.0	810.3	810.3	807.4	807.4	801.7	779.0	756.2
10°	591.3	588.5	582.8	591.3	605.6	653.9	699.4	696.5	688.0	634.0	580.0
12.5°	560.1	568.6	577.1	548.7	494.7	540.2	585.7	580.0	574.3	526.0	474.8
15°	474.8	480.5	486.2	531.6	614.1	656.7	696.5	690.9	685.2	628.3	568.6
17.5°	582.8	560.1	537.3	568.6	540.2	560.1	580.0	557.2	540.2	517.4	494.7
20°	560.1	500.4	440.7	531.6	636.8	670.9	705.1	696.5	679.5	625.5	568.6
22.5°	526.0	585.7	642.5	614.1	562.9	531.6	500.4	486.2	474.8	477.6	480.5
25°	668.1	591.3	511.7	648.2	730.7	742.0	750.6	725.0	696.5	636.8	574.3
27.5°	588.5	645.4	699.4	753.4	781.8	790.4	796.0	833.0	773.3	693.7	614.1
30°	742.0	790.4	838.7	958.1	1054.8	1071.8	1088.9	1046.2	997.9	901.2	804.6
32.5°	815.9	926.8	1034.9	1091.7	1131.5	1145.7	1159.9	1103.1	1049.1	924.0	796.0
35°	969.5	1051.9	1134.4	1199.7	1276.5	1279.4	1282.2	1219.6	1151.4	969.5	787.5
37.5°	1063.3	1171.3	1276.5	1350.4	1469.8	1461.3	1452.8	1378.9	1296.4	1040.5	784.7
40°	1205.4	1344.7	1481.2	1552.3	1697.3	1671.7	1646.1	1560.8	1469.8	1117.3	764.8
42.5°	1435.7	1583.6	1731.4	1791.1	1950.3	1921.9	1890.6	1776.9	1660.3	1179.8	699.4
45°	1742.8	1876.4	2010.0	2115.2	2240.3	2194.8	2149.3	2027.1	1856.5	1233.9	611.2
47.5°	2120.9	2220.4	2319.9	2527.4	2618.4	2527.4	2433.6	2285.8	2069.7	1279.4	489.0
50°	2624.1	2646.8	2666.7	2925.5	3016.4	2877.1	2737.8	2547.3	2288.6	1330.5	369.6
52.5°	3121.6	3079.0	3033.5	3312.1	3346.2	3161.4	2973.8	2774.8	2450.7	1359.0	264.4
55°	3590.7	3531.0	3468.5	3667.5	3644.7	3400.2	3155.7	2914.1	2550.2	1367.5	184.8
57.5°	3948.9	3912.0	3872.2	3963.1	3877.9	3590.7	3303.6	3061.9	2624.1	1381.7	136.5
60°	4079.7	4162.2	4244.6	4233.2	4076.9	3772.7	3468.5	3212.6	2669.6	1387.4	102.3
62.5°	4008.6	4275.9	4540.3	4432.2	4241.8	3920.5	3596.4	3349.1	2689.5	1384.5	79.6
65°	3749.9	4264.5	4776.2	4597.1	4358.3	4037.1	3715.8	3494.1	2712.2	1387.4	62.5
67.5°	3138.7	3991.6	4841.6	4727.9	4455.0	4113.8	3769.8	3590.7	2700.9	1376.0	51.2
70°	1964.5	3249.6	4534.6	4622.7	4455.0	4079.7	3704.4	3562.3	2598.5	1319.2	39.8
72.5°	833.0	2294.3	3755.6	4139.4	4256.0	3892.1	3528.2	3351.9	2379.6	1205.4	31.3
75°	329.8	1319.2	2308.5	2916.9	3275.1	3121.6	2965.3	2729.3	1560.8	793.2	22.7
77.5°	221.8	602.7	983.7	1432.9	1708.6	1768.3	1828.1	1558.0	622.6	321.3	17.1
80°	147.8	241.7	335.5	514.6	614.1	580.0	543.0	446.4	190.5	102.3	14.2
82.5°	93.8	125.1	156.4	176.3	182.0	130.8	79.6	65.4	22.7	17.1	8.5
85°	62.5	73.9	85.3	88.1	88.1	62.5	34.1	17.1	8.5	8.5	5.7
87.5°	17.1	19.9	19.9	19.9	14.2	11.4	8.5	5.7	5.7	5.7	5.7
90°	8.5	11.4	11.4	11.4	8.5	8.5	5.7	5.7	5.7	5.7	5.7





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9	943.9
2.5°	929.7	929.7	926.8	924.0	924.0	921.1	892.7	861.4	833.0	801.7	798.9
5°	875.6	835.8	798.9	761.9	756.2	747.7	747.7	744.9	744.9	742.0	742.0
7.5°	750.6	744.9	739.2	733.5	730.7	725.0	722.1	716.4	713.6	707.9	676.6
10°	568.6	554.4	554.4	551.5	557.2	562.9	560.1	554.4	591.3	628.3	625.5
12.5°	506.1	534.5	508.9	480.5	489.0	494.7	503.2	511.7	508.9	503.2	460.6
15°	508.9	446.4	426.5	403.7	415.1	423.6	349.7	272.9	258.7	244.5	227.4
17.5°	474.8	454.9	440.7	423.6	324.1	221.8	199.0	176.3	156.4	133.6	130.8
20°	480.5	389.5	363.9	335.5	258.7	182.0	139.3	96.7	85.3	73.9	85.3
22.5°	469.1	454.9	332.6	210.4	156.4	102.3	85.3	65.4	71.1	76.8	76.8
25°	440.7	307.0	238.8	170.6	119.4	65.4	68.2	68.2	62.5	54.0	59.7
27.5°	477.6	338.3	216.1	91.0	79.6	65.4	59.7	51.2	51.2	51.2	48.3
30°	551.5	295.7	184.8	73.9	62.5	51.2	48.3	45.5	42.6	37.0	39.8
32.5°	523.1	250.2	156.4	62.5	54.0	45.5	39.8	34.1	34.1	34.1	34.1
35°	474.8	159.2	108.0	54.0	45.5	37.0	34.1	28.4	28.4	28.4	28.4
37.5°	443.5	102.3	73.9	42.6	37.0	31.3	28.4	22.7	22.7	22.7	25.6
40°	417.9	71.1	54.0	37.0	31.3	22.7	19.9	17.1	19.9	19.9	19.9
42.5°	381.0	59.7	45.5	31.3	25.6	19.9	17.1	14.2	17.1	17.1	17.1
45°	332.6	54.0	39.8	25.6	22.7	17.1	14.2	11.4	14.2	14.2	14.2
47.5°	267.2	45.5	34.1	22.7	19.9	14.2	14.2	11.4	11.4	11.4	11.4
50°	207.5	42.6	31.3	19.9	17.1	11.4	11.4	8.5	11.4	11.4	11.4
52.5°	150.7	37.0	28.4	17.1	14.2	8.5	8.5	8.5	8.5	8.5	8.5
55°	108.0	31.3	22.7	14.2	11.4	8.5	8.5	5.7	8.5	8.5	8.5
57.5°	82.4	28.4	19.9	11.4	8.5	5.7	5.7	5.7	5.7	5.7	5.7
60°	65.4	25.6	19.9	11.4	8.5	5.7	5.7	2.8	5.7	5.7	5.7
62.5°	51.2	19.9	17.1	11.4	8.5	5.7	5.7	2.8	5.7	5.7	5.7
65°	39.8	17.1	14.2	8.5	5.7	2.8	2.8	2.8	5.7	5.7	5.7
67.5°	34.1	14.2	11.4	8.5	5.7	2.8	5.7	5.7	5.7	5.7	5.7
70°	28.4	14.2	11.4	8.5	5.7	2.8	5.7	5.7	8.5	8.5	5.7
72.5°	22.7	11.4	8.5	5.7	5.7	2.8	5.7	5.7	8.5	8.5	5.7
75°	17.1	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	8.5	5.7
77.5°	14.2	8.5	8.5	5.7	5.7	2.8	5.7	8.5	8.5	8.5	8.5
80°	11.4	5.7	5.7	5.7	2.8	0.0	5.7	11.4	11.4	8.5	8.5
82.5°	8.5	5.7	5.7	5.7	2.8	0.0	5.7	11.4	11.4	8.5	8.5
85°	5.7	5.7	5.7	5.7	5.7	2.8	8.5	11.4	11.4	8.5	8.5
87.5°	5.7	5.7	5.7	5.7	5.7	2.8	5.7	8.5	8.5	8.5	8.5
90°	5.7	5.7	8.5	8.5	5.7	2.8	5.7	8.5	8.5	8.5	8.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	943.9	943.9	943.9	943.9
2.5°	793.2	798.9	801.7	796.0
5°	739.2	739.2	736.3	744.9
7.5°	642.5	625.5	605.6	591.3
10°	619.8	605.6	591.3	594.2
12.5°	415.1	372.4	329.8	344.0
15°	210.4	199.0	187.6	187.6
17.5°	125.1	113.7	99.5	102.3
20°	93.8	93.8	93.8	93.8
22.5°	73.9	71.1	65.4	62.5
25°	62.5	62.5	62.5	62.5
27.5°	45.5	45.5	42.6	39.8
30°	39.8	39.8	39.8	37.0
32.5°	31.3	34.1	34.1	34.1
35°	28.4	28.4	28.4	28.4
37.5°	25.6	25.6	22.7	22.7
40°	19.9	19.9	19.9	19.9
42.5°	17.1	17.1	17.1	17.1
45°	14.2	14.2	14.2	14.2
47.5°	11.4	11.4	11.4	11.4
50°	11.4	11.4	8.5	8.5
52.5°	8.5	8.5	5.7	5.7
55°	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	2.8	2.8
60°	5.7	5.7	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	0.0	0.0
67.5°	2.8	2.8	0.0	0.0
70°	2.8	2.8	0.0	0.0
72.5°	2.8	2.8	0.0	0.0
75°	2.8	2.8	0.0	0.0
77.5°	5.7	2.8	0.0	0.0
80°	5.7	5.7	2.8	0.0
82.5°	5.7	5.7	2.8	0.0
85°	5.7	5.7	2.8	0.0
87.5°	5.7	5.7	2.8	0.0
90°	5.7	5.7	2.8	0.0

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1121 Highway 74 South  
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Scaled Data Report



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