

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: P560989

Luminaire Tested: **SDL-PA1-70-827-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560989
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-PA1-70-827-U-T4W
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6214.7 lumens
Efficiency: N/A
Efficacy: 86.1 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 - G3

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

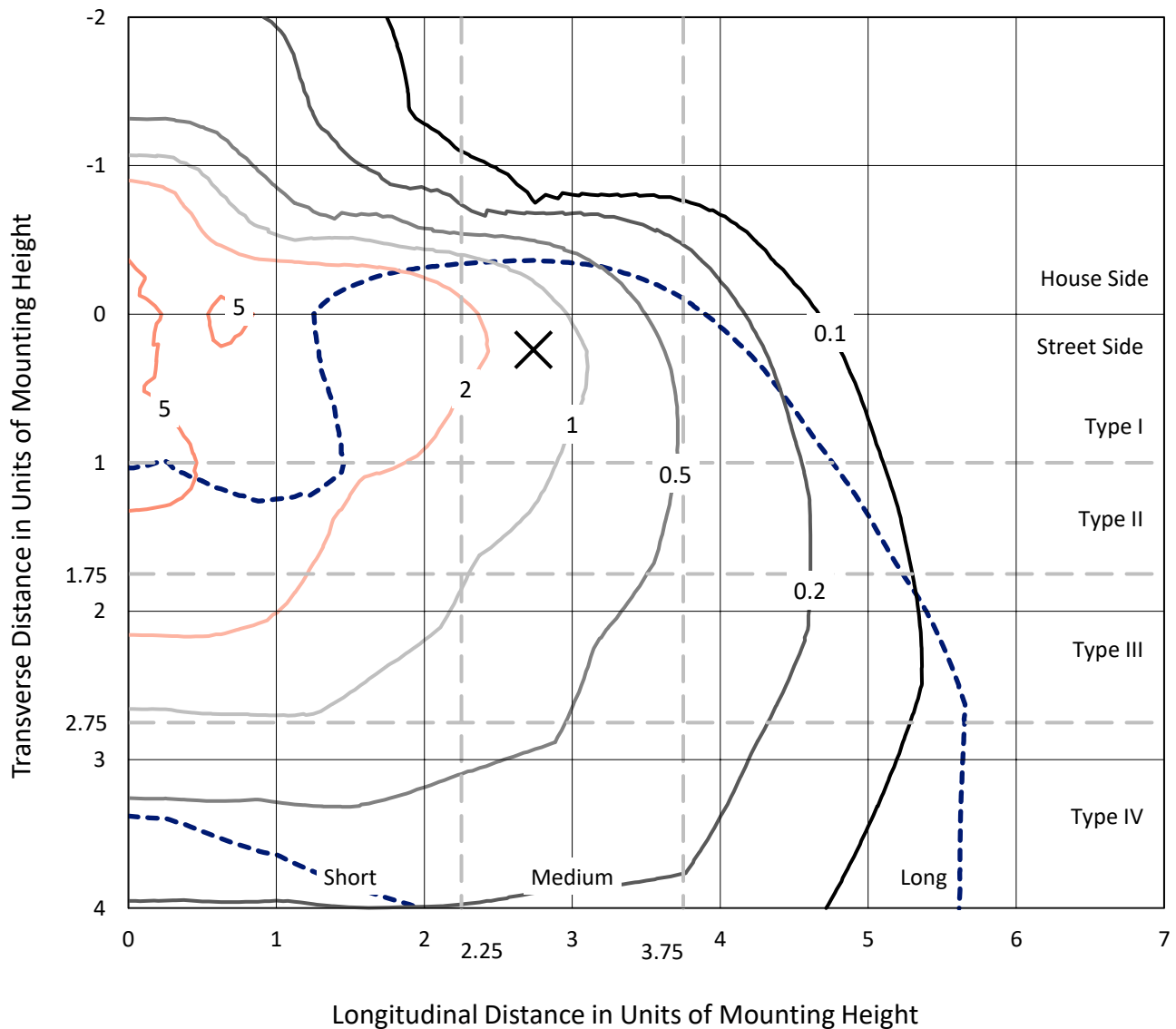


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

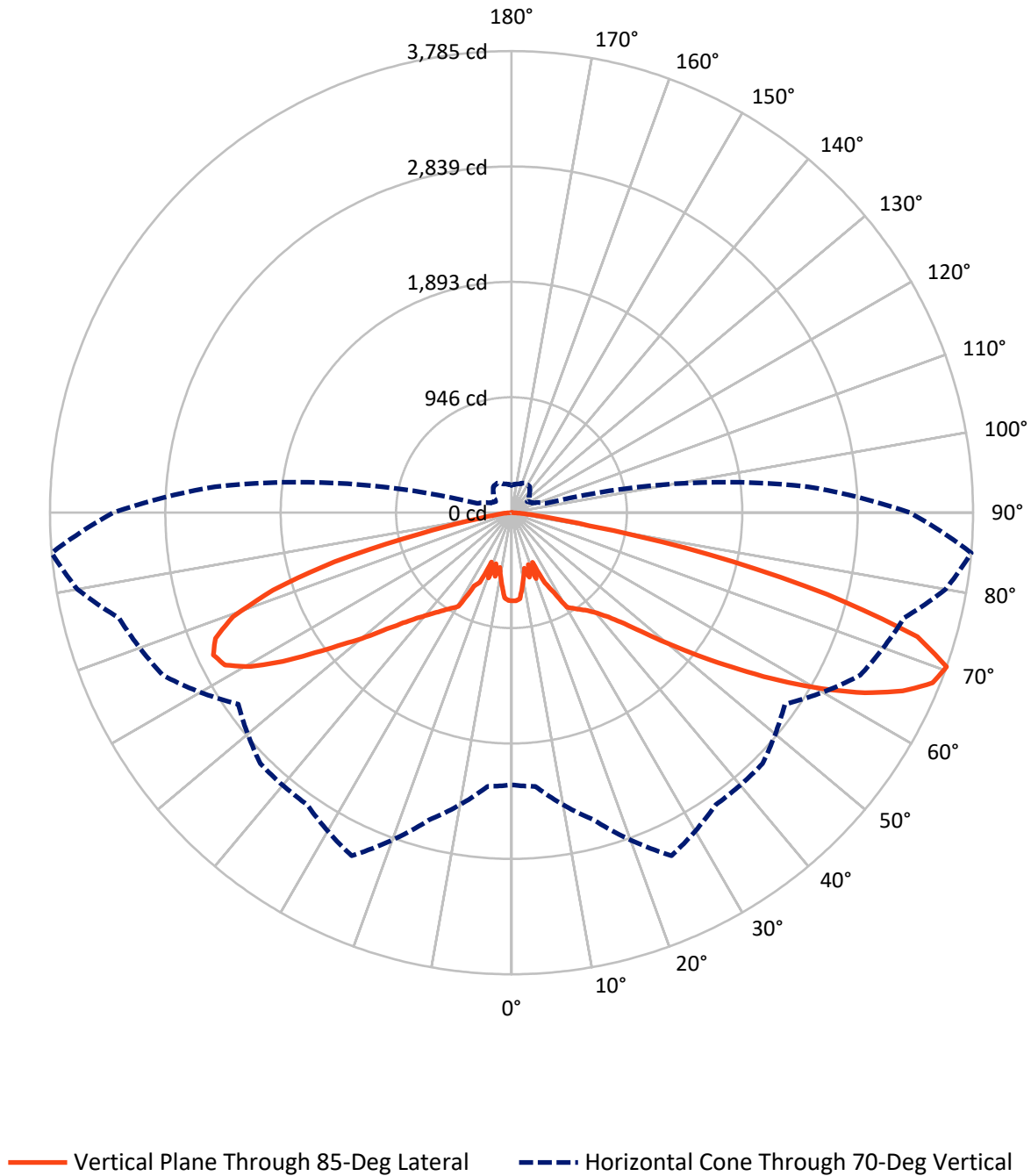


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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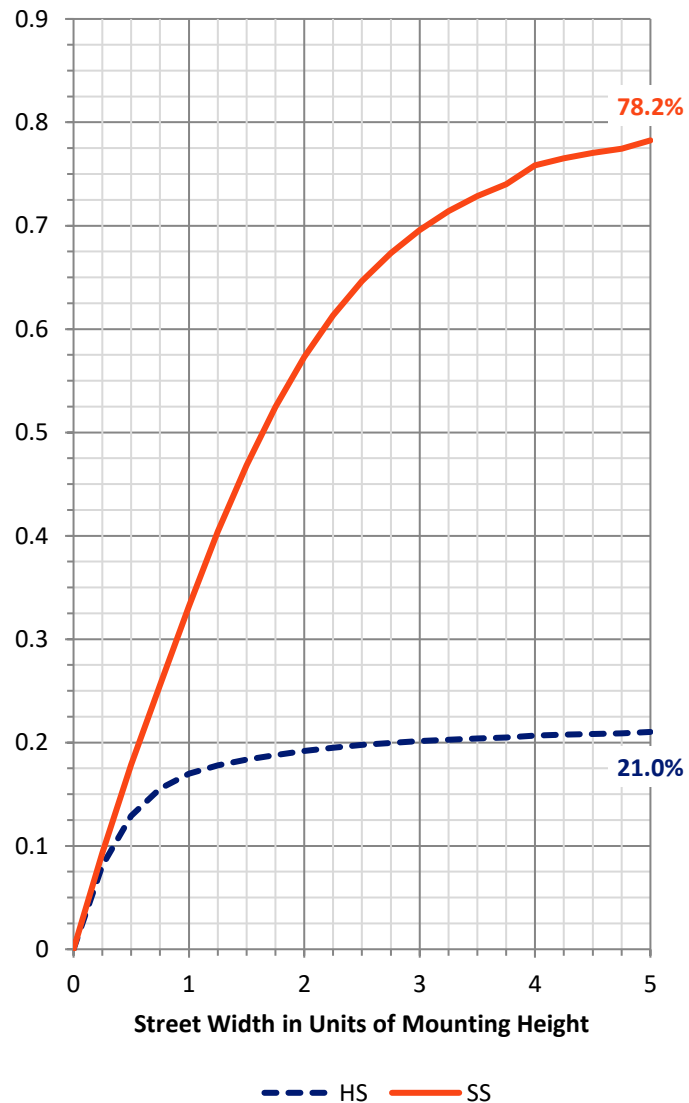
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.2	0.0	1336.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4878.5	0.0	4878.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	6214.7	0.0	6214.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.0
10°-20°	151.2	2.4
20°-30°	264.4	4.3
30°-40°	465.7	7.5
40°-50°	702.6	11.3
50°-60°	1117.6	18.0
60°-70°	1638.8	26.4
70°-80°	1536.8	24.7
80°-90°	277.5	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°	6214.7	100.0
0°-180°	6214.7	100.0

Coefficient of Utilization



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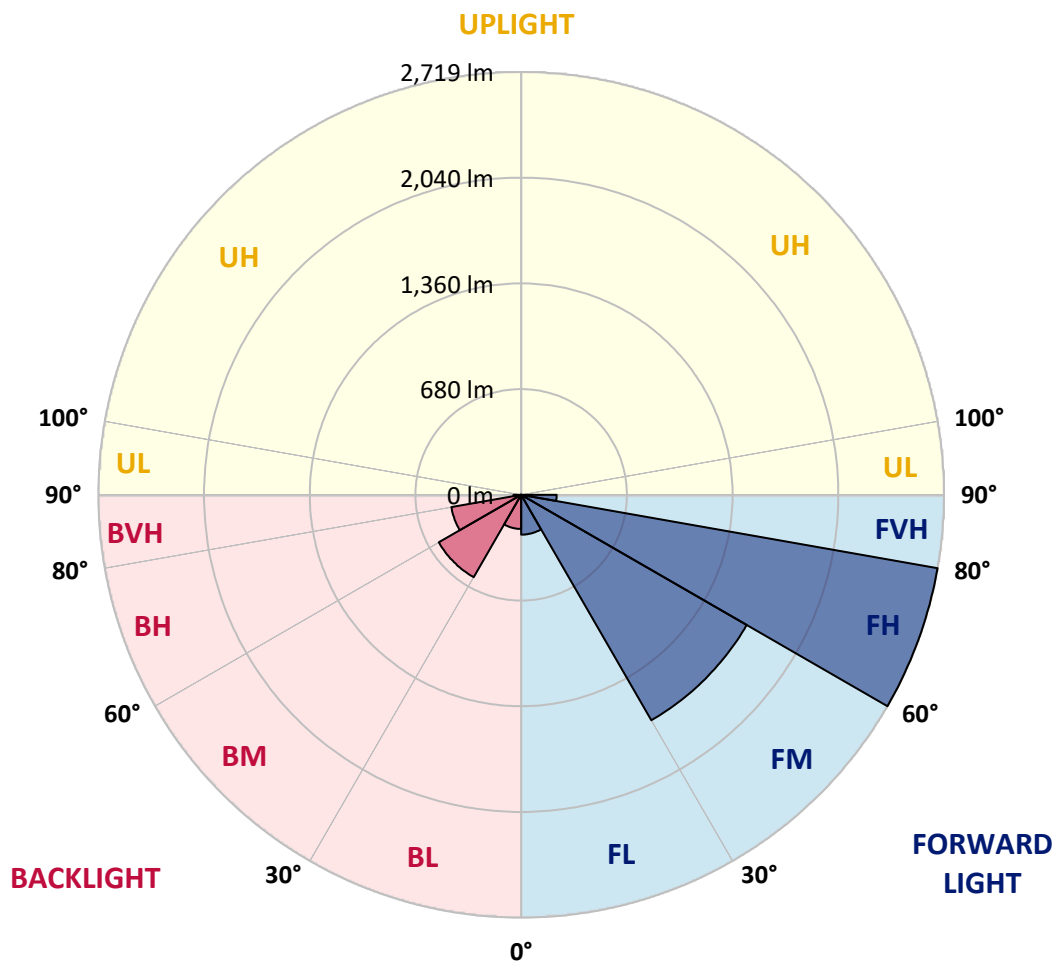
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.3	4.1			
FM	(30°-60°)	1674.3	26.9			
FH	(60°-80°)	2719.5	43.8			G2/5000
FVH	(80°-90°)	228.5	3.7			G3/500
BL	(0°-30°)	219.4	3.5	B1/500		
BM	(30°-60°)	611.7	9.8	B1/1000		
BH	(60°-80°)	456.1	7.3	B1/500		G1/500
BVH	(80°-90°)	49.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7
2.5°	656.1	683.7	697.4	711.2	715.8	720.4	720.4	718.1	718.1	718.1	722.7
5°	667.6	665.3	665.3	665.3	663.0	660.7	658.4	653.8	651.6	647.0	644.7
7.5°	612.5	658.4	660.7	663.0	663.0	660.7	665.3	669.9	665.3	658.4	649.3
10°	727.3	725.0	720.4	715.8	708.9	702.0	649.3	594.2	598.8	603.4	559.8
12.5°	630.9	674.5	692.8	711.2	713.5	713.5	676.8	637.8	587.3	536.8	516.2
15°	770.8	766.3	757.1	747.9	686.0	621.7	585.0	548.3	548.3	548.3	486.4
17.5°	649.3	647.0	688.3	729.6	706.6	683.7	630.9	578.1	500.1	419.8	470.3
20°	796.1	796.1	784.6	773.1	667.6	559.8	566.7	571.3	573.5	573.5	550.6
22.5°	667.6	663.0	667.6	669.9	669.9	669.9	573.5	477.2	530.0	580.4	527.7
25°	796.1	798.4	796.1	793.8	697.4	598.8	614.8	630.9	557.5	481.8	532.3
27.5°	695.1	692.8	681.4	669.9	672.2	674.5	624.0	571.3	601.1	630.9	578.1
30°	851.1	853.4	846.6	837.4	741.0	644.7	640.1	633.2	612.5	591.9	610.3
32.5°	1027.8	1027.8	956.7	885.6	825.9	764.0	713.5	663.0	683.7	704.3	681.4
35°	1121.9	1117.3	1094.3	1069.1	959.0	846.6	777.7	706.6	713.5	718.1	718.1
37.5°	1289.3	1287.0	1254.9	1222.8	1073.7	922.3	832.8	741.0	754.8	766.3	750.2
40°	1498.1	1498.1	1472.9	1445.3	1254.9	1062.2	936.0	809.9	807.6	803.0	784.6
42.5°	1700.0	1706.9	1690.8	1674.8	1452.2	1229.7	1064.5	899.3	878.7	858.0	839.7
45°	1833.1	1842.2	1856.0	1869.8	1649.5	1429.3	1236.6	1041.6	1002.6	961.3	929.1
47.5°	1968.4	1954.7	1973.0	1991.4	1803.2	1615.1	1404.0	1193.0	1128.7	1064.5	1030.1
50°	2094.6	2090.0	2096.9	2103.8	1950.1	1796.4	1578.4	1360.5	1282.5	1202.2	1163.2
52.5°	2259.8	2243.7	2234.5	2225.4	2094.6	1963.8	1757.4	1548.6	1456.8	1362.8	1316.9
55°	2418.1	2411.2	2397.4	2381.4	2269.0	2156.5	1938.6	1720.6	1624.3	1527.9	1475.2
57.5°	2581.0	2576.4	2574.1	2571.8	2473.1	2374.5	2152.0	1927.1	1817.0	1704.6	1661.0
60°	2734.7	2737.0	2755.3	2771.4	2695.7	2620.0	2395.1	2170.3	2030.4	1888.1	1844.5
62.5°	2826.4	2833.3	2879.2	2922.8	2881.5	2840.2	2608.5	2374.5	2227.7	2078.5	2048.7
65°	2709.4	2743.9	2876.9	3010.0	3010.0	3010.0	2798.9	2585.6	2457.1	2328.6	2303.4
67.5°	2447.9	2482.3	2672.7	2860.9	2959.5	3058.2	2920.5	2782.9	2695.7	2606.2	2574.1
70°	2232.3	2252.9	2431.8	2608.5	2856.3	3104.0	3014.6	2922.8	2918.2	2911.3	2824.2
72.5°	2051.0	2096.9	2243.7	2388.3	2730.1	3071.9	3069.6	3067.3	3161.4	3255.5	3088.0
75°	1640.3	1635.8	1773.4	1911.1	2296.5	2679.6	2895.3	3108.6	3379.3	3647.8	3390.8
77.5°	731.8	782.3	913.1	1043.9	1390.3	1734.4	2149.7	2564.9	3161.4	3755.6	3494.1
80°	208.8	220.2	256.9	291.4	454.3	614.8	1050.7	1484.3	2234.5	2982.5	2805.8
82.5°	110.1	114.7	137.7	158.3	204.2	247.8	413.0	575.8	1220.5	1862.9	1702.3
85°	52.8	48.2	61.9	73.4	98.7	123.9	190.4	256.9	472.6	688.3	594.2
87.5°	11.5	11.5	13.8	13.8	20.6	27.5	41.3	55.1	52.8	48.2	57.4
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°	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7
2.5°	725.0	727.3	729.6	727.3	725.0	722.7	722.7	720.4	720.4	718.1	713.5
5°	642.4	674.5	706.6	708.9	711.2	711.2	708.9	706.6	702.0	699.7	695.1
7.5°	640.1	628.6	617.1	619.4	621.7	624.0	624.0	617.1	614.8	596.5	578.1
10°	513.9	502.4	491.0	497.8	504.7	530.0	543.7	539.1	534.5	502.4	468.0
12.5°	495.5	491.0	486.4	452.0	417.5	447.4	468.0	465.7	458.8	429.0	399.2
15°	424.4	426.7	426.7	465.7	504.7	530.0	548.3	543.7	539.1	502.4	465.7
17.5°	518.5	493.3	465.7	458.8	452.0	463.4	447.4	422.1	438.2	433.6	429.0
20°	525.4	463.4	399.2	463.4	527.7	543.7	578.1	575.8	569.0	536.8	504.7
22.5°	474.9	511.6	546.0	511.6	477.2	454.3	442.8	438.2	435.9	445.1	452.0
25°	582.7	513.9	442.8	527.7	610.3	628.6	637.8	630.9	628.6	587.3	546.0
27.5°	523.1	559.8	596.5	624.0	651.6	674.5	743.3	676.8	674.5	635.5	594.2
30°	626.3	665.3	704.3	775.4	846.6	885.6	899.3	894.7	883.3	821.3	759.4
32.5°	658.4	736.4	812.1	844.3	874.1	915.4	936.0	933.7	922.3	848.9	773.1
35°	718.1	775.4	832.8	876.4	917.7	956.7	975.0	981.9	968.1	876.4	782.3
37.5°	734.1	807.6	881.0	926.9	972.7	1002.6	1018.6	1039.3	1023.2	913.1	800.7
40°	766.3	853.4	938.3	984.2	1027.8	1055.3	1082.9	1108.1	1087.4	954.4	819.0
42.5°	819.0	908.5	995.7	1048.4	1098.9	1137.9	1170.0	1204.5	1165.5	993.4	819.0
45°	897.0	979.6	1062.2	1133.3	1202.2	1250.3	1296.2	1344.4	1266.4	1043.9	819.0
47.5°	995.7	1076.0	1154.0	1266.4	1378.8	1422.4	1477.5	1523.3	1397.2	1108.1	819.0
50°	1121.9	1211.3	1300.8	1449.9	1596.8	1638.1	1706.9	1741.3	1571.5	1206.7	839.7
52.5°	1268.7	1367.3	1463.7	1638.1	1812.4	1881.2	1973.0	1995.9	1748.2	1305.4	860.3
55°	1422.4	1555.5	1686.2	1878.9	2069.4	2135.9	2266.7	2285.0	1975.3	1427.0	876.4
57.5°	1617.4	1773.4	1927.1	2115.2	2301.1	2395.1	2599.3	2606.2	2239.1	1576.1	910.8
60°	1800.9	1995.9	2188.7	2367.6	2546.6	2693.4	2929.7	2932.0	2486.9	1688.5	887.9
62.5°	2018.9	2250.6	2480.0	2633.7	2787.4	2968.7	3253.2	3211.9	2661.3	1702.3	743.3
65°	2275.8	2514.4	2753.0	2883.8	3012.3	3218.8	3526.2	3367.9	2709.4	1624.3	536.8
67.5°	2539.7	2762.2	2984.7	3088.0	3191.2	3452.8	3725.8	3386.2	2638.3	1507.3	374.0
70°	2737.0	2945.7	3154.5	3244.0	3333.5	3615.6	3785.4	3266.9	2438.7	1365.0	291.4
72.5°	2918.2	3115.5	3310.5	3356.4	3400.0	3544.5	3482.6	2879.2	2055.6	1149.4	240.9
75°	3133.9	3260.0	3383.9	3301.3	3218.8	3023.7	2672.7	2099.2	1505.0	855.7	206.5
77.5°	3232.5	3202.7	3170.6	2888.4	2606.2	2083.1	1661.0	1213.6	764.0	470.3	176.7
80°	2629.1	2509.8	2388.3	1915.7	1443.0	986.5	647.0	410.7	279.9	211.1	142.2
82.5°	1539.4	1261.8	984.2	722.7	461.1	323.5	211.1	167.5	130.8	123.9	114.7
85°	497.8	440.5	383.1	302.8	222.5	137.7	80.3	73.4	68.8	75.7	80.3
87.5°	66.5	66.5	64.2	48.2	29.8	16.1	9.2	6.9	6.9	9.2	9.2
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7	722.7
2.5°	713.5	711.2	708.9	706.6	704.3	699.7	681.4	663.0	656.1	647.0	640.1
5°	672.2	649.3	633.2	617.1	610.3	601.1	603.4	605.7	608.0	608.0	608.0
7.5°	582.7	587.3	589.6	589.6	596.5	601.1	605.7	608.0	598.8	589.6	578.1
10°	463.4	456.5	465.7	472.6	484.1	493.3	523.1	552.9	580.4	608.0	619.4
12.5°	422.1	445.1	426.7	408.4	445.1	479.5	520.8	562.1	587.3	610.3	589.6
15°	429.0	390.0	394.6	396.9	442.8	486.4	461.1	435.9	507.0	575.8	596.5
17.5°	422.1	415.2	440.5	463.4	419.8	376.2	438.2	497.8	530.0	562.1	552.9
20°	456.5	406.1	406.1	406.1	445.1	484.1	454.3	424.4	458.8	493.3	550.6
22.5°	472.6	491.0	454.3	415.2	440.5	465.7	465.7	463.4	502.4	539.1	530.0
25°	477.2	408.4	440.5	470.3	454.3	435.9	456.5	474.9	486.4	497.8	548.3
27.5°	546.0	497.8	461.1	422.1	452.0	481.8	474.9	468.0	477.2	486.4	497.8
30°	647.0	534.5	493.3	449.7	433.6	415.2	435.9	454.3	488.7	523.1	569.0
32.5°	676.8	578.1	511.6	442.8	440.5	435.9	442.8	447.4	486.4	523.1	587.3
35°	672.2	559.8	495.5	429.0	415.2	401.5	413.0	422.1	479.5	536.8	598.8
37.5°	667.6	532.3	465.7	399.2	390.0	378.5	390.0	401.5	445.1	488.7	546.0
40°	660.7	500.1	435.9	369.4	357.9	346.4	357.9	367.1	401.5	435.9	481.8
42.5°	644.7	468.0	403.8	337.2	328.1	316.6	325.8	335.0	364.8	394.6	422.1
45°	626.3	431.3	369.4	307.4	298.2	289.1	296.0	300.5	328.1	353.3	367.1
47.5°	605.7	392.3	335.0	277.6	268.4	259.2	266.1	270.7	291.4	312.0	316.6
50°	601.1	360.2	307.4	252.4	245.5	236.3	240.9	245.5	261.5	275.3	275.3
52.5°	591.9	321.2	277.6	231.7	227.1	220.2	222.5	224.8	236.3	247.8	245.5
55°	585.0	293.7	254.7	215.7	211.1	204.2	206.5	208.8	220.2	229.4	227.1
57.5°	591.9	270.7	236.3	199.6	195.0	190.4	195.0	199.6	211.1	222.5	222.5
60°	569.0	247.8	215.7	183.5	181.2	176.7	188.1	197.3	215.7	231.7	236.3
62.5°	486.4	227.1	199.6	172.1	174.4	174.4	195.0	213.4	238.6	261.5	266.1
65°	374.0	211.1	188.1	162.9	174.4	185.8	213.4	240.9	263.8	286.8	279.9
67.5°	286.8	199.6	181.2	160.6	185.8	208.8	234.0	259.2	270.7	279.9	268.4
70°	240.9	188.1	174.4	158.3	183.5	208.8	234.0	259.2	263.8	268.4	256.9
72.5°	211.1	178.9	165.2	151.4	172.1	192.7	222.5	250.1	254.7	256.9	245.5
75°	188.1	167.5	151.4	135.4	156.0	174.4	204.2	234.0	238.6	240.9	231.7
77.5°	165.2	153.7	135.4	117.0	137.7	158.3	185.8	213.4	220.2	227.1	215.7
80°	137.7	130.8	117.0	103.2	126.2	146.8	172.1	197.3	204.2	211.1	199.6
82.5°	110.1	105.5	96.4	87.2	110.1	133.1	158.3	181.2	188.1	192.7	178.9
85°	80.3	80.3	75.7	71.1	94.1	114.7	130.8	146.8	144.5	142.2	133.1
87.5°	11.5	11.5	16.1	20.6	27.5	32.1	41.3	48.2	50.5	50.5	39.0
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):

	165°	170°	175°	180°
0°	722.7	722.7	722.7	722.7
2.5°	633.2	633.2	630.9	635.5
5°	608.0	610.3	610.3	612.5
7.5°	566.7	555.2	541.4	543.7
10°	630.9	633.2	635.5	635.5
12.5°	566.7	557.5	546.0	548.3
15°	614.8	621.7	628.6	630.9
17.5°	541.4	539.1	536.8	534.5
20°	605.7	617.1	628.6	628.6
22.5°	520.8	520.8	520.8	523.1
25°	598.8	612.5	624.0	624.0
27.5°	507.0	539.1	571.3	596.5
30°	612.5	619.4	626.3	628.6
32.5°	649.3	683.7	715.8	722.7
35°	658.4	674.5	688.3	695.1
37.5°	603.4	617.1	630.9	640.1
40°	525.4	536.8	548.3	555.2
42.5°	447.4	449.7	452.0	463.4
45°	380.8	369.4	357.9	355.6
47.5°	318.9	302.8	286.8	284.5
50°	273.0	259.2	245.5	245.5
52.5°	240.9	231.7	222.5	222.5
55°	224.8	220.2	213.4	213.4
57.5°	222.5	220.2	217.9	217.9
60°	238.6	240.9	240.9	240.9
62.5°	268.4	270.7	270.7	270.7
65°	270.7	266.1	261.5	261.5
67.5°	256.9	250.1	243.2	238.6
70°	243.2	238.6	231.7	224.8
72.5°	231.7	227.1	220.2	213.4
75°	220.2	213.4	204.2	199.6
77.5°	204.2	199.6	192.7	188.1
80°	185.8	181.2	174.4	165.2
82.5°	165.2	167.5	167.5	144.5
85°	121.6	114.7	105.5	87.2
87.5°	25.2	22.9	18.4	16.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)