

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: P561033

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561033
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-PA1-80-722-U-T4W
Description: Springdale
(1) 70 CRI, 2200K, 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: 6823.2 lumens
Efficiency: N/A
Efficacy: 83.2 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

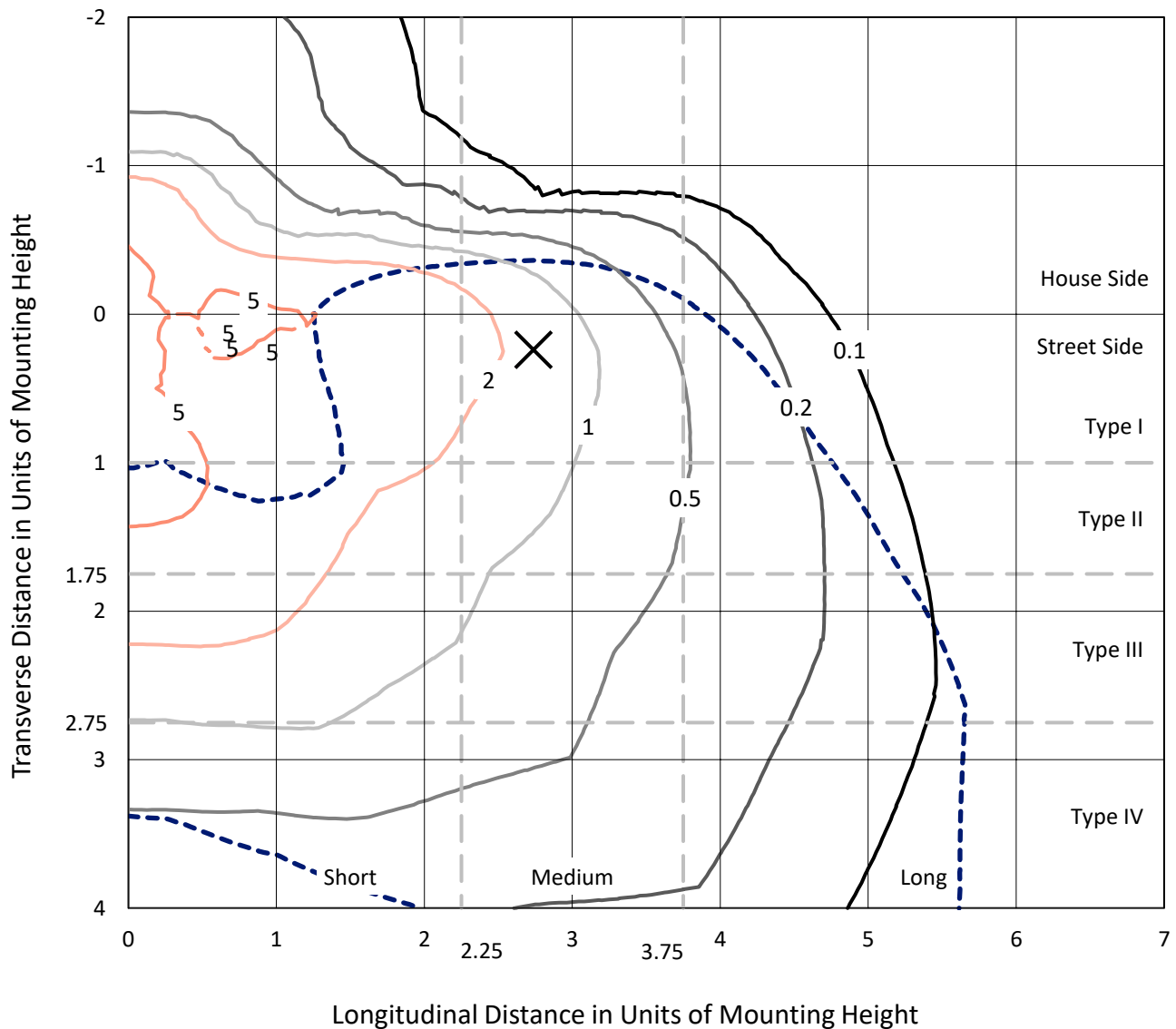


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

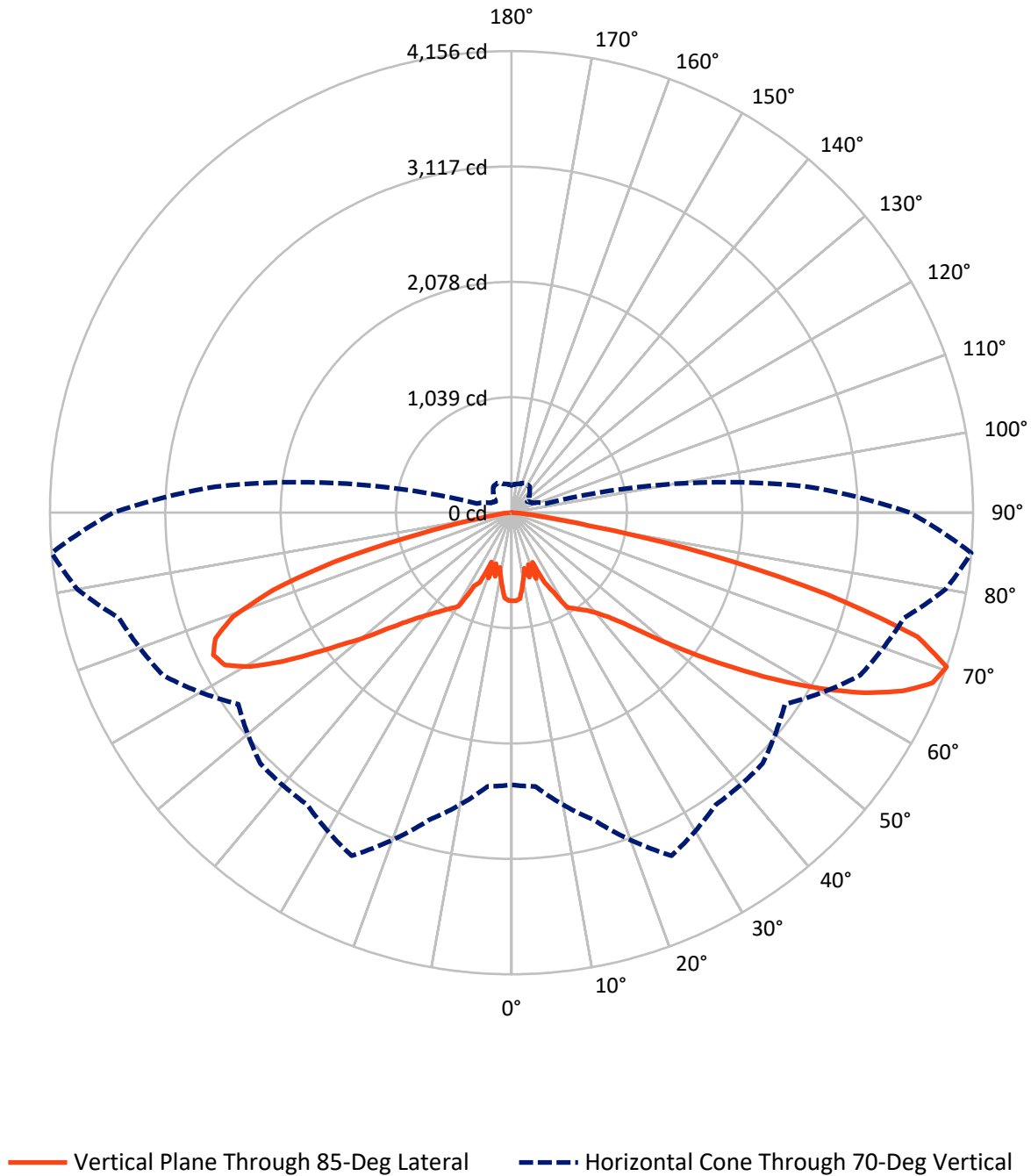


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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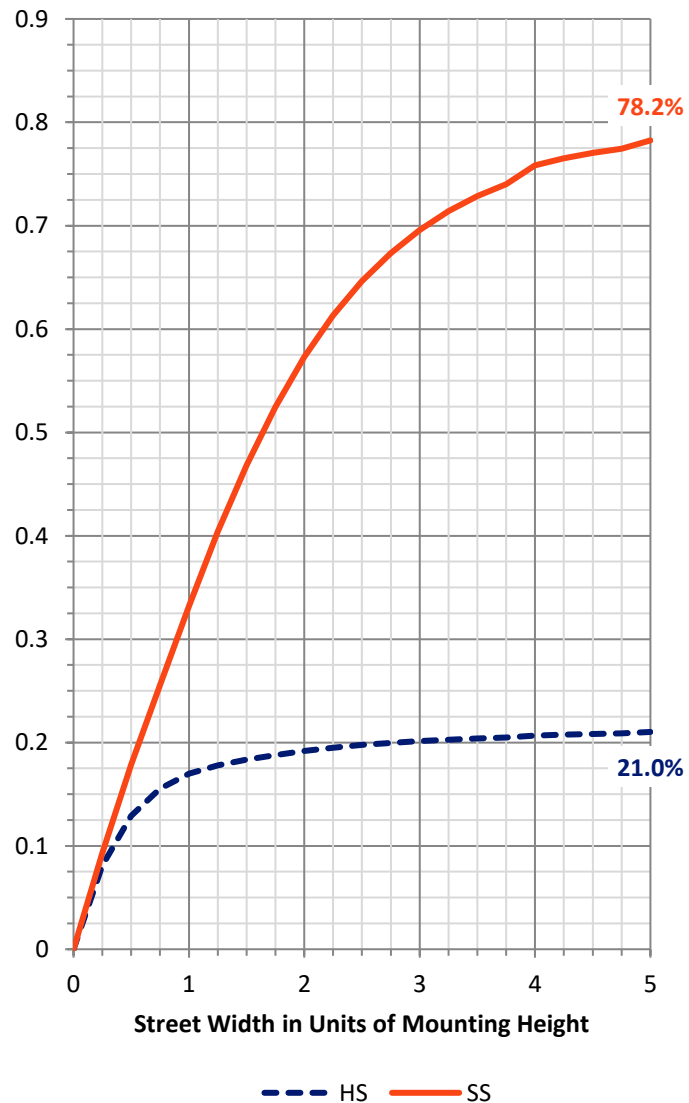
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.0	0.0	1467.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5356.2	0.0	5356.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	6823.2	0.0	6823.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.0
10°-20°	166.0	2.4
20°-30°	290.3	4.3
30°-40°	511.3	7.5
40°-50°	771.4	11.3
50°-60°	1227.0	18.0
60°-70°	1799.3	26.4
70°-80°	1687.2	24.7
80°-90°	304.7	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°	6823.2	100.0
0°-180°	6823.2	100.0

Coefficient of Utilization



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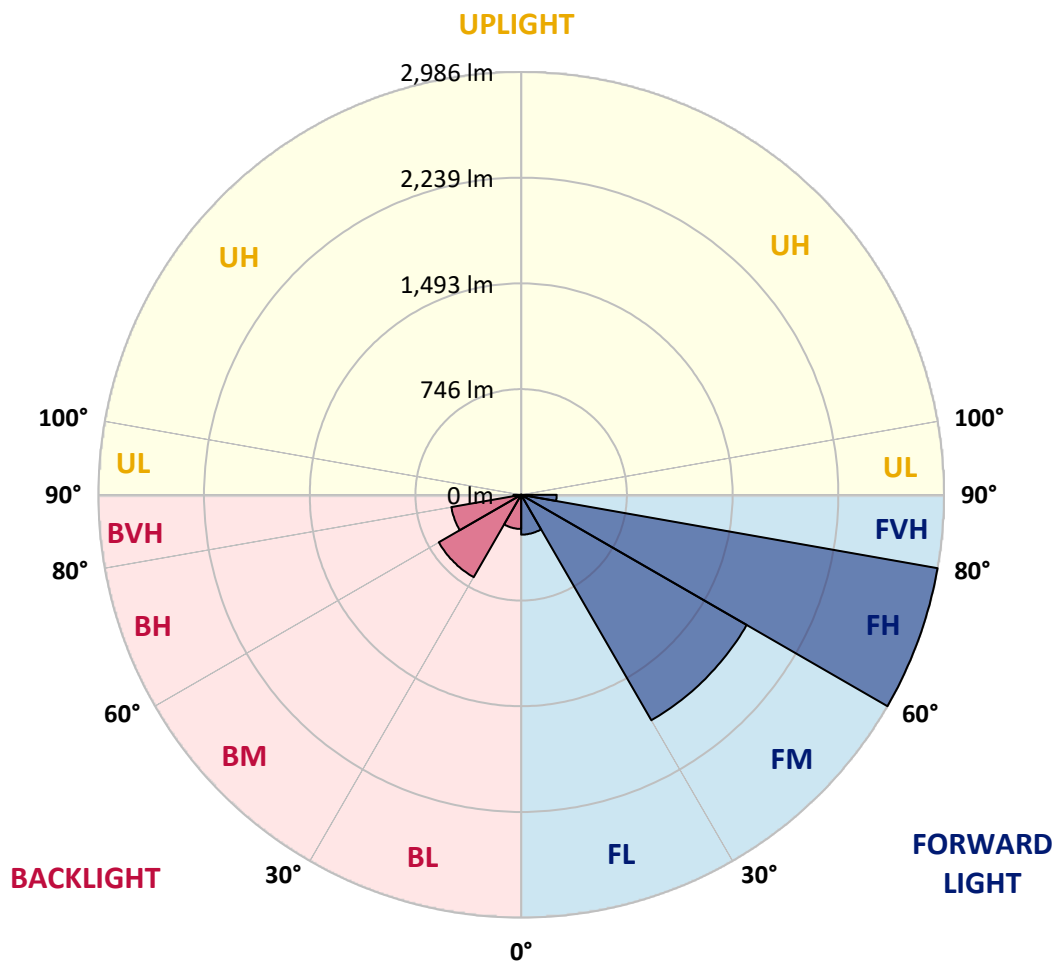
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.4	4.1			
FM	(30°-60°)	1838.2	26.9			
FH	(60°-80°)	2985.8	43.8			G2/5000
FVH	(80°-90°)	250.9	3.7			G3/500
BL	(0°-30°)	240.9	3.5	B1/500		
BM	(30°-60°)	671.6	9.8	B1/1000		
BH	(60°-80°)	500.8	7.3	B2/1000		G2/1000
BVH	(80°-90°)	53.8	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°	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
2.5°	720.4	750.6	765.7	780.8	785.9	790.9	790.9	788.4	788.4	788.4	793.4
5°	733.0	730.5	730.5	730.5	727.9	725.4	722.9	717.9	715.3	710.3	707.8
7.5°	672.5	722.9	725.4	727.9	727.9	725.4	730.5	735.5	730.5	722.9	712.8
10°	798.5	795.9	790.9	785.9	778.3	770.8	712.8	652.4	657.4	662.4	614.6
12.5°	692.7	740.5	760.7	780.8	783.4	783.4	743.1	700.2	644.8	589.4	566.7
15°	846.3	841.3	831.2	821.1	753.1	682.6	642.3	602.0	602.0	602.0	534.0
17.5°	712.8	710.3	755.6	801.0	775.8	750.6	692.7	634.7	549.1	460.9	516.4
20°	874.0	874.0	861.4	848.8	733.0	614.6	622.1	627.2	629.7	629.7	604.5
22.5°	733.0	727.9	733.0	735.5	735.5	735.5	629.7	523.9	581.8	637.3	579.3
25°	874.0	876.5	874.0	871.5	765.7	657.4	675.0	692.7	612.1	529.0	584.4
27.5°	763.2	760.7	748.1	735.5	738.0	740.5	685.1	627.2	659.9	692.7	634.7
30°	934.5	937.0	929.4	919.4	813.6	707.8	702.7	695.2	672.5	649.9	670.0
32.5°	1128.4	1128.4	1050.3	972.3	906.8	838.8	783.4	727.9	750.6	773.3	748.1
35°	1231.7	1226.7	1201.5	1173.8	1052.9	929.4	853.9	775.8	783.4	788.4	788.4
37.5°	1415.6	1413.1	1377.8	1342.5	1178.8	1012.6	914.3	813.6	828.7	841.3	823.7
40°	1644.8	1644.8	1617.1	1586.9	1377.8	1166.2	1027.7	889.1	886.6	881.6	861.4
42.5°	1866.4	1874.0	1856.4	1838.7	1594.4	1350.1	1168.7	987.4	964.7	942.0	921.9
45°	2012.5	2022.6	2037.7	2052.8	1811.0	1569.2	1357.6	1143.5	1100.7	1055.4	1020.1
47.5°	2161.1	2146.0	2166.2	2186.3	1979.8	1773.2	1541.5	1309.8	1239.3	1168.7	1130.9
50°	2299.7	2294.6	2302.2	2309.8	2141.0	1972.2	1732.9	1493.7	1408.0	1319.9	1277.0
52.5°	2481.0	2463.4	2453.3	2443.3	2299.7	2156.1	1929.4	1700.2	1599.4	1496.2	1445.8
55°	2654.8	2647.3	2632.2	2614.5	2491.1	2367.7	2128.4	1889.1	1783.3	1677.5	1619.6
57.5°	2833.7	2828.6	2826.1	2823.6	2715.3	2607.0	2362.6	2115.8	1994.9	1871.5	1823.6
60°	3002.4	3004.9	3025.1	3042.7	2959.6	2876.5	2629.6	2382.8	2229.2	2073.0	2025.1
62.5°	3103.2	3110.7	3161.1	3209.0	3163.6	3118.3	2863.9	2607.0	2445.8	2282.0	2249.3
65°	2974.7	3012.5	3158.6	3304.7	3304.7	3304.7	3073.0	2838.7	2697.7	2556.6	2528.9
67.5°	2687.6	2725.4	2934.4	3141.0	3249.3	3357.6	3206.5	3055.3	2959.6	2861.4	2826.1
70°	2450.8	2473.5	2669.9	2863.9	3135.9	3408.0	3309.7	3209.0	3203.9	3196.4	3100.7
72.5°	2251.8	2302.2	2463.4	2622.1	2997.4	3372.7	3370.2	3367.7	3470.9	3574.2	3390.3
75°	1801.0	1795.9	1947.0	2098.2	2521.3	2942.0	3178.7	3413.0	3710.2	4004.9	3722.8
77.5°	803.5	858.9	1002.5	1146.1	1526.4	1904.2	2360.1	2816.0	3470.9	4123.3	3836.2
80°	229.2	241.8	282.1	319.9	498.7	675.0	1153.6	1629.7	2453.3	3274.5	3080.5
82.5°	120.9	125.9	151.1	173.8	224.2	272.0	453.4	632.2	1340.0	2045.3	1869.0
85°	57.9	52.9	68.0	80.6	108.3	136.0	209.1	282.1	518.9	755.6	652.4
87.5°	12.6	12.6	15.1	15.1	22.7	30.2	45.3	60.5	57.9	52.9	63.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
2.5°	795.9	798.5	801.0	798.5	795.9	793.4	793.4	790.9	790.9	788.4	783.4
5°	705.3	740.5	775.8	778.3	780.8	780.8	778.3	775.8	770.8	768.2	763.2
7.5°	702.7	690.2	677.6	680.1	682.6	685.1	685.1	677.6	675.0	654.9	634.7
10°	564.2	551.6	539.0	546.6	554.1	581.8	597.0	591.9	586.9	551.6	513.8
12.5°	544.1	539.0	534.0	496.2	458.4	491.2	513.8	511.3	503.8	471.0	438.3
15°	466.0	468.5	468.5	511.3	554.1	581.8	602.0	597.0	591.9	551.6	511.3
17.5°	569.3	541.5	511.3	503.8	496.2	508.8	491.2	463.5	481.1	476.1	471.0
20°	576.8	508.8	438.3	508.8	579.3	597.0	634.7	632.2	624.7	589.4	554.1
22.5°	521.4	561.7	599.5	561.7	523.9	498.7	486.1	481.1	478.6	488.7	496.2
25°	639.8	564.2	486.1	579.3	670.0	690.2	700.2	692.7	690.2	644.8	599.5
27.5°	574.3	614.6	654.9	685.1	715.3	740.5	816.1	743.1	740.5	697.7	652.4
30°	687.6	730.5	773.3	851.4	929.4	972.3	987.4	982.3	969.7	901.7	833.7
32.5°	722.9	808.5	891.7	926.9	959.7	1005.0	1027.7	1025.2	1012.6	932.0	848.8
35°	788.4	851.4	914.3	962.2	1007.5	1050.3	1070.5	1078.1	1062.9	962.2	858.9
37.5°	806.0	886.6	967.2	1017.6	1068.0	1100.7	1118.4	1141.0	1123.4	1002.5	879.1
40°	841.3	937.0	1030.2	1080.6	1128.4	1158.7	1188.9	1216.6	1193.9	1047.8	899.2
42.5°	899.2	997.5	1093.2	1151.1	1206.5	1249.3	1284.6	1322.4	1279.6	1090.6	899.2
45°	984.9	1075.5	1166.2	1244.3	1319.9	1372.8	1423.1	1476.0	1390.4	1146.1	899.2
47.5°	1093.2	1181.3	1267.0	1390.4	1513.8	1561.7	1622.1	1672.5	1534.0	1216.6	899.2
50°	1231.7	1329.9	1428.2	1591.9	1753.1	1798.4	1874.0	1911.8	1725.4	1324.9	921.9
52.5°	1392.9	1501.2	1607.0	1798.4	1989.9	2065.4	2166.2	2191.4	1919.3	1433.2	944.6
55°	1561.7	1707.8	1851.3	2062.9	2272.0	2345.0	2488.6	2508.7	2168.7	1566.7	962.2
57.5°	1775.8	1947.0	2115.8	2322.3	2526.4	2629.6	2853.8	2861.4	2458.4	1730.4	1000.0
60°	1977.3	2191.4	2402.9	2599.4	2795.9	2957.1	3216.5	3219.0	2730.4	1853.8	974.8
62.5°	2216.6	2471.0	2722.8	2891.6	3060.4	3259.3	3571.7	3526.3	2921.8	1869.0	816.1
65°	2498.7	2760.6	3022.6	3166.2	3307.2	3533.9	3871.4	3697.6	2974.7	1783.3	589.4
67.5°	2788.3	3032.7	3277.0	3390.3	3503.7	3790.8	4090.6	3717.8	2896.6	1654.9	410.6
70°	3004.9	3234.2	3463.4	3561.6	3659.8	3969.7	4156.0	3586.8	2677.5	1498.7	319.9
72.5°	3203.9	3420.6	3634.7	3685.0	3732.9	3891.6	3823.6	3161.1	2256.9	1261.9	264.5
75°	3440.7	3579.2	3715.3	3624.6	3533.9	3319.8	2934.4	2304.7	1652.3	939.5	226.7
77.5°	3549.0	3516.3	3481.0	3171.2	2861.4	2287.1	1823.6	1332.5	838.8	516.4	193.9
80°	2886.6	2755.6	2622.1	2103.2	1584.3	1083.1	710.3	450.9	307.3	231.7	156.2
82.5°	1690.1	1385.3	1080.6	793.4	506.3	355.2	231.7	183.9	143.6	136.0	125.9
85°	546.6	483.6	420.6	332.5	244.3	151.1	88.2	80.6	75.6	83.1	88.2
87.5°	73.0	73.0	70.5	52.9	32.7	17.6	10.1	7.6	7.6	10.1	10.1
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°	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4	793.4
2.5°	783.4	780.8	778.3	775.8	773.3	768.2	748.1	727.9	720.4	710.3	702.7
5°	738.0	712.8	695.2	677.6	670.0	659.9	662.4	665.0	667.5	667.5	667.5
7.5°	639.8	644.8	647.3	647.3	654.9	659.9	665.0	667.5	657.4	647.3	634.7
10°	508.8	501.2	511.3	518.9	531.5	541.5	574.3	607.0	637.3	667.5	680.1
12.5°	463.5	488.7	468.5	448.3	488.7	526.4	571.8	617.1	644.8	670.0	647.3
15°	471.0	428.2	433.2	435.8	486.1	534.0	506.3	478.6	556.7	632.2	654.9
17.5°	463.5	455.9	483.6	508.8	460.9	413.1	481.1	546.6	581.8	617.1	607.0
20°	501.2	445.8	445.8	445.8	488.7	531.5	498.7	466.0	503.8	541.5	604.5
22.5°	518.9	539.0	498.7	455.9	483.6	511.3	511.3	508.8	551.6	591.9	581.8
25°	523.9	448.3	483.6	516.4	498.7	478.6	501.2	521.4	534.0	546.6	602.0
27.5°	599.5	546.6	506.3	463.5	496.2	529.0	521.4	513.8	523.9	534.0	546.6
30°	710.3	586.9	541.5	493.7	476.1	455.9	478.6	498.7	536.5	574.3	624.7
32.5°	743.1	634.7	561.7	486.1	483.6	478.6	486.1	491.2	534.0	574.3	644.8
35°	738.0	614.6	544.1	471.0	455.9	440.8	453.4	463.5	526.4	589.4	657.4
37.5°	733.0	584.4	511.3	438.3	428.2	415.6	428.2	440.8	488.7	536.5	599.5
40°	725.4	549.1	478.6	405.5	392.9	380.3	392.9	403.0	440.8	478.6	529.0
42.5°	707.8	513.8	443.3	370.3	360.2	347.6	357.7	367.7	400.5	433.2	463.5
45°	687.6	473.5	405.5	337.5	327.4	317.4	324.9	330.0	360.2	387.9	403.0
47.5°	665.0	430.7	367.7	304.8	294.7	284.6	292.2	297.2	319.9	342.6	347.6
50°	659.9	395.5	337.5	277.1	269.5	259.4	264.5	269.5	287.1	302.3	302.3
52.5°	649.9	352.6	304.8	254.4	249.4	241.8	244.3	246.8	259.4	272.0	269.5
55°	642.3	322.4	279.6	236.8	231.7	224.2	226.7	229.2	241.8	251.9	249.4
57.5°	649.9	297.2	259.4	219.1	214.1	209.1	214.1	219.1	231.7	244.3	244.3
60°	624.7	272.0	236.8	201.5	199.0	193.9	206.5	216.6	236.8	254.4	259.4
62.5°	534.0	249.4	219.1	188.9	191.4	191.4	214.1	234.2	262.0	287.1	292.2
65°	410.6	231.7	206.5	178.8	191.4	204.0	234.2	264.5	289.7	314.9	307.3
67.5°	314.9	219.1	199.0	176.3	204.0	229.2	256.9	284.6	297.2	307.3	294.7
70°	264.5	206.5	191.4	173.8	201.5	229.2	256.9	284.6	289.7	294.7	282.1
72.5°	231.7	196.5	181.4	166.2	188.9	211.6	244.3	274.6	279.6	282.1	269.5
75°	206.5	183.9	166.2	148.6	171.3	191.4	224.2	256.9	262.0	264.5	254.4
77.5°	181.4	168.8	148.6	128.5	151.1	173.8	204.0	234.2	241.8	249.4	236.8
80°	151.1	143.6	128.5	113.3	138.5	161.2	188.9	216.6	224.2	231.7	219.1
82.5°	120.9	115.9	105.8	95.7	120.9	146.1	173.8	199.0	206.5	211.6	196.5
85°	88.2	88.2	83.1	78.1	103.3	125.9	143.6	161.2	158.7	156.2	146.1
87.5°	12.6	12.6	17.6	22.7	30.2	35.3	45.3	52.9	55.4	55.4	42.8
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°	793.4	793.4	793.4	793.4
2.5°	695.2	695.2	692.7	697.7
5°	667.5	670.0	670.0	672.5
7.5°	622.1	609.6	594.4	597.0
10°	692.7	695.2	697.7	697.7
12.5°	622.1	612.1	599.5	602.0
15°	675.0	682.6	690.2	692.7
17.5°	594.4	591.9	589.4	586.9
20°	665.0	677.6	690.2	690.2
22.5°	571.8	571.8	571.8	574.3
25°	657.4	672.5	685.1	685.1
27.5°	556.7	591.9	627.2	654.9
30°	672.5	680.1	687.6	690.2
32.5°	712.8	750.6	785.9	793.4
35°	722.9	740.5	755.6	763.2
37.5°	662.4	677.6	692.7	702.7
40°	576.8	589.4	602.0	609.6
42.5°	491.2	493.7	496.2	508.8
45°	418.1	405.5	392.9	390.4
47.5°	350.1	332.5	314.9	312.3
50°	299.7	284.6	269.5	269.5
52.5°	264.5	254.4	244.3	244.3
55°	246.8	241.8	234.2	234.2
57.5°	244.3	241.8	239.3	239.3
60°	262.0	264.5	264.5	264.5
62.5°	294.7	297.2	297.2	297.2
65°	297.2	292.2	287.1	287.1
67.5°	282.1	274.6	267.0	262.0
70°	267.0	262.0	254.4	246.8
72.5°	254.4	249.4	241.8	234.2
75°	241.8	234.2	224.2	219.1
77.5°	224.2	219.1	211.6	206.5
80°	204.0	199.0	191.4	181.4
82.5°	181.4	183.9	183.9	158.7
85°	133.5	125.9	115.9	95.7
87.5°	27.7	25.2	20.2	17.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)