

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: P560681

Luminaire Tested: **SDL-PA1-60-722-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560681
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-PA1-60-722-U-T4W
Description: Springdale
(1) 70 CRI, 2200K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5480.8 lumens
Efficiency: N/A
Efficacy: 87.8 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 - G2

Input Watts (W): 62.4
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

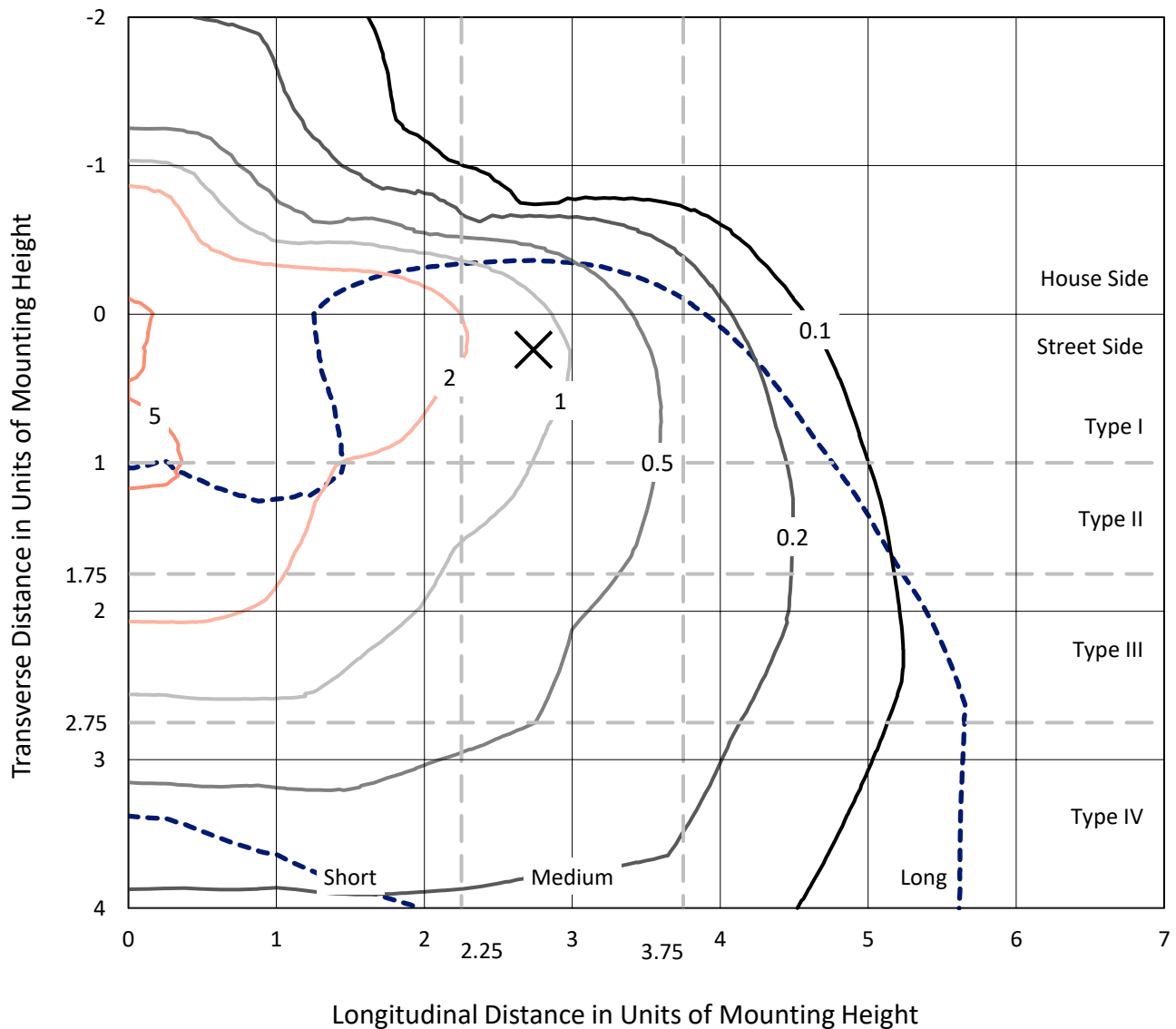


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

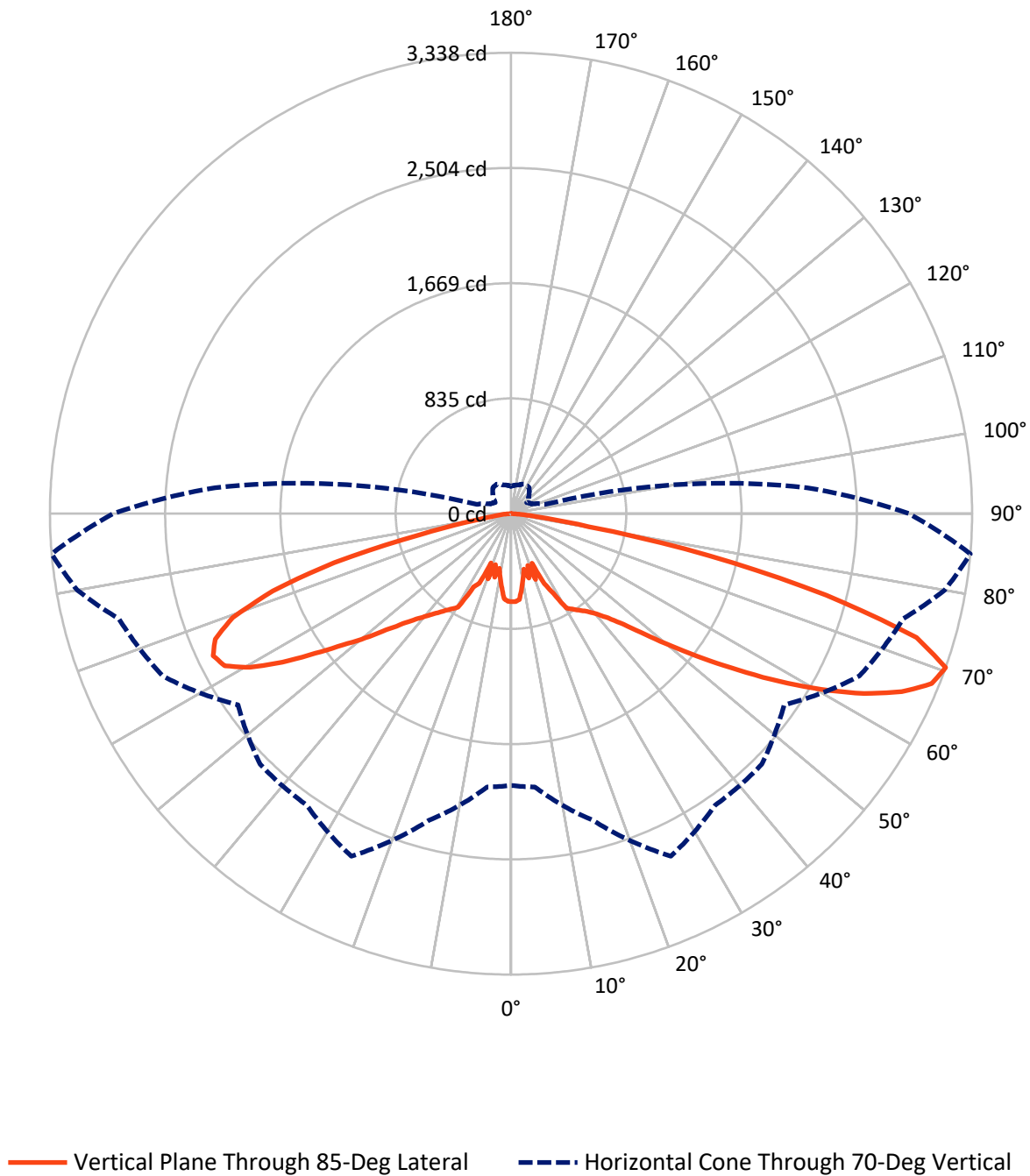


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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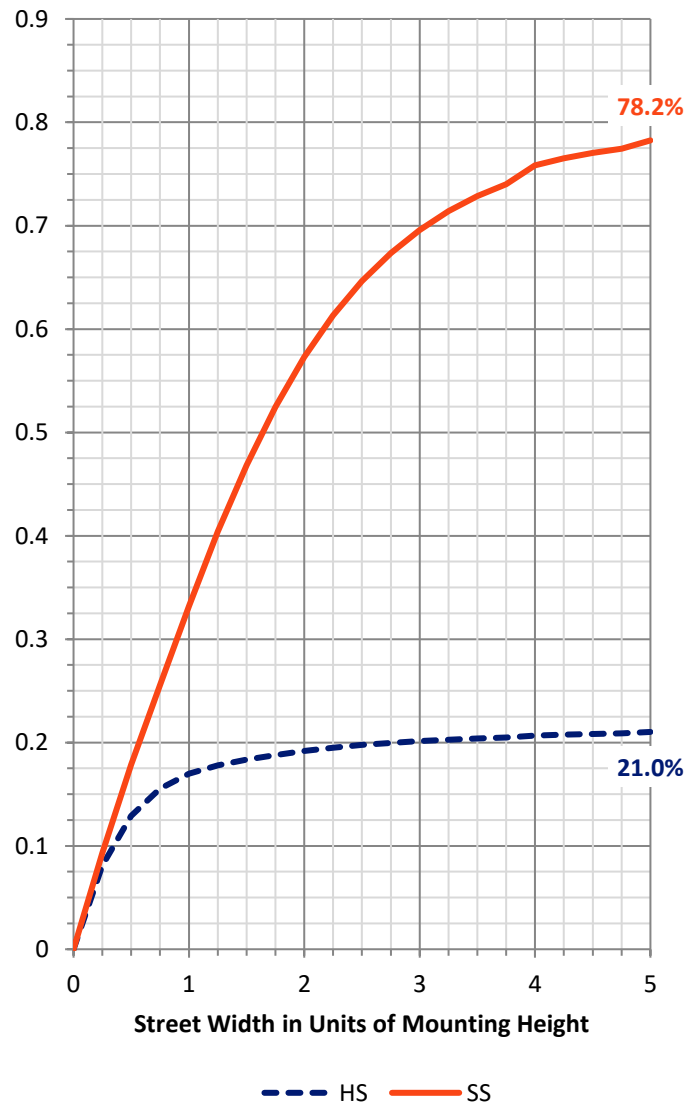
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.4	0.0	1178.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4302.4	0.0	4302.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	5480.8	0.0	5480.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.0
10°-20°	133.4	2.4
20°-30°	233.2	4.3
30°-40°	410.7	7.5
40°-50°	619.6	11.3
50°-60°	985.6	18.0
60°-70°	1445.3	26.4
70°-80°	1355.3	24.7
80°-90°	244.7	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°	5480.8	100.0
0°-180°	5480.8	100.0

Coefficient of Utilization



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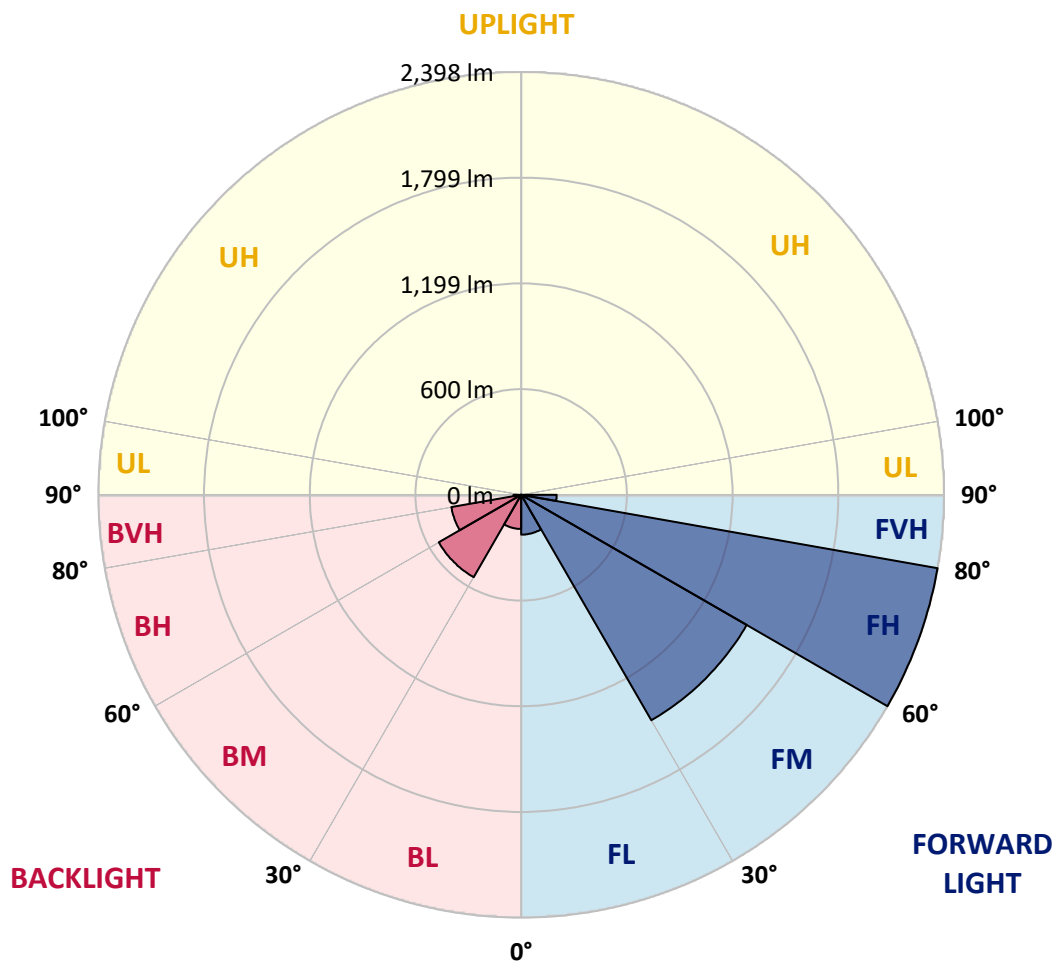
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.0	4.1			
FM	(30°-60°)	1476.6	26.9			
FH	(60°-80°)	2398.3	43.8			G2/5000
FVH	(80°-90°)	201.5	3.7			G2/225
BL	(0°-30°)	193.5	3.5	B1/500		
BM	(30°-60°)	539.4	9.8	B1/1000		
BH	(60°-80°)	402.3	7.3	B1/500		G1/500
BVH	(80°-90°)	43.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3
2.5°	578.7	602.9	615.1	627.2	631.3	635.3	635.3	633.3	633.3	633.3	637.3
5°	588.8	586.7	586.7	586.7	584.7	582.7	580.7	576.6	574.6	570.6	568.5
7.5°	540.2	580.7	582.7	584.7	584.7	582.7	586.7	590.8	586.7	580.7	572.6
10°	641.4	639.3	635.3	631.3	625.2	619.1	572.6	524.0	528.1	532.1	493.7
12.5°	556.4	594.8	611.0	627.2	629.2	629.2	596.9	562.5	518.0	473.4	455.2
15°	679.8	675.8	667.7	659.6	605.0	548.3	515.9	483.6	483.6	483.6	428.9
17.5°	572.6	570.6	607.0	643.4	623.2	602.9	556.4	509.9	441.1	370.3	414.8
20°	702.1	702.1	692.0	681.8	588.8	493.7	499.7	503.8	505.8	505.8	485.6
22.5°	588.8	584.7	588.8	590.8	590.8	590.8	505.8	420.8	467.4	511.9	465.3
25°	702.1	704.1	702.1	700.0	615.1	528.1	542.2	556.4	491.7	424.9	469.4
27.5°	613.0	611.0	600.9	590.8	592.8	594.8	550.3	503.8	530.1	556.4	509.9
30°	750.6	752.7	746.6	738.5	653.5	568.5	564.5	558.4	540.2	522.0	538.2
32.5°	906.4	906.4	843.7	781.0	728.4	673.7	629.2	584.7	602.9	621.1	600.9
35°	989.4	985.3	965.1	942.8	845.7	746.6	685.9	623.2	629.2	633.3	633.3
37.5°	1137.1	1135.0	1106.7	1078.4	946.9	813.4	734.4	653.5	665.7	675.8	661.6
40°	1321.2	1321.2	1298.9	1274.7	1106.7	936.8	825.5	714.2	712.2	708.1	692.0
42.5°	1499.2	1505.3	1491.1	1477.0	1280.7	1084.5	938.8	793.1	774.9	756.7	740.5
45°	1616.6	1624.7	1636.8	1649.0	1454.7	1260.5	1090.5	918.6	884.2	847.7	819.4
47.5°	1736.0	1723.8	1740.0	1756.2	1590.3	1424.4	1238.2	1052.1	995.4	938.8	908.4
50°	1847.2	1843.2	1849.3	1855.3	1719.8	1584.2	1392.0	1199.8	1131.0	1060.2	1025.8
52.5°	1992.9	1978.7	1970.7	1962.6	1847.2	1731.9	1549.8	1365.7	1284.8	1201.8	1161.4
55°	2132.5	2126.4	2114.3	2100.1	2001.0	1901.9	1709.7	1517.4	1432.5	1347.5	1301.0
57.5°	2276.2	2272.1	2270.1	2268.1	2181.1	2094.1	1897.8	1699.5	1602.4	1503.3	1464.8
60°	2411.7	2413.7	2429.9	2444.1	2377.3	2310.6	2112.3	1914.0	1790.6	1665.1	1626.7
62.5°	2492.7	2498.7	2539.2	2577.6	2541.2	2504.8	2300.4	2094.1	1964.6	1833.1	1806.8
65°	2389.5	2419.8	2537.2	2654.5	2654.5	2654.5	2468.4	2280.2	2166.9	2053.6	2031.4
67.5°	2158.8	2189.2	2357.1	2523.0	2610.0	2697.0	2575.6	2454.2	2377.3	2298.4	2270.1
70°	1968.6	1986.8	2144.7	2300.4	2519.0	2737.5	2658.6	2577.6	2573.6	2567.5	2490.6
72.5°	1808.8	1849.3	1978.7	2106.2	2407.7	2709.1	2707.1	2705.1	2788.1	2871.0	2723.3
75°	1446.6	1442.6	1564.0	1685.4	2025.3	2363.2	2553.4	2741.5	2980.3	3217.0	2990.4
77.5°	645.4	689.9	805.3	920.6	1226.1	1529.6	1895.8	2262.0	2788.1	3312.1	3081.4
80°	184.1	194.2	226.6	257.0	400.6	542.2	926.7	1309.0	1970.7	2630.2	2474.4
82.5°	97.1	101.2	121.4	139.6	180.1	218.5	364.2	507.8	1076.4	1642.9	1501.3
85°	46.5	42.5	54.6	64.7	87.0	109.3	167.9	226.6	416.8	607.0	524.0
87.5°	10.1	10.1	12.1	12.1	18.2	24.3	36.4	48.6	46.5	42.5	50.6
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°	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3
2.5°	639.3	641.4	643.4	641.4	639.3	637.3	637.3	635.3	635.3	633.3	629.2
5°	566.5	594.8	623.2	625.2	627.2	627.2	625.2	623.2	619.1	617.1	613.0
7.5°	564.5	554.4	544.3	546.3	548.3	550.3	550.3	544.3	542.2	526.0	509.9
10°	453.2	443.1	433.0	439.0	445.1	467.4	479.5	475.5	471.4	443.1	412.7
12.5°	437.0	433.0	428.9	398.6	368.2	394.5	412.7	410.7	404.7	378.3	352.0
15°	374.3	376.3	376.3	410.7	445.1	467.4	483.6	479.5	475.5	443.1	410.7
17.5°	457.3	435.0	410.7	404.7	398.6	408.7	394.5	372.3	386.4	382.4	378.3
20°	463.3	408.7	352.0	408.7	465.3	479.5	509.9	507.8	501.8	473.4	445.1
22.5°	418.8	451.2	481.5	451.2	420.8	400.6	390.5	386.4	384.4	392.5	398.6
25°	513.9	453.2	390.5	465.3	538.2	554.4	562.5	556.4	554.4	518.0	481.5
27.5°	461.3	493.7	526.0	550.3	574.6	594.8	655.5	596.9	594.8	560.4	524.0
30°	552.3	586.7	621.1	683.9	746.6	781.0	793.1	789.1	779.0	724.3	669.7
32.5°	580.7	649.5	716.2	744.6	770.9	807.3	825.5	823.5	813.4	748.6	681.8
35°	633.3	683.9	734.4	772.9	809.3	843.7	859.9	866.0	853.8	772.9	689.9
37.5°	647.4	712.2	776.9	817.4	857.9	884.2	898.3	916.5	902.4	805.3	706.1
40°	675.8	752.7	827.5	868.0	906.4	930.7	955.0	977.2	959.0	841.7	722.3
42.5°	722.3	801.2	878.1	924.6	969.1	1003.5	1031.9	1062.2	1027.8	876.1	722.3
45°	791.1	863.9	936.8	999.5	1060.2	1102.7	1143.1	1185.6	1116.8	920.6	722.3
47.5°	878.1	948.9	1017.7	1116.8	1216.0	1254.4	1303.0	1343.4	1232.2	977.2	722.3
50°	989.4	1068.3	1147.2	1278.7	1408.2	1444.6	1505.3	1535.7	1385.9	1064.2	740.5
52.5°	1118.9	1205.9	1290.8	1444.6	1598.4	1659.1	1740.0	1760.2	1541.7	1151.2	758.7
55°	1254.4	1371.8	1487.1	1657.0	1825.0	1883.7	1999.0	2015.2	1742.0	1258.5	772.9
57.5°	1426.4	1564.0	1699.5	1865.4	2029.3	2112.3	2292.4	2298.4	1974.7	1390.0	803.2
60°	1588.3	1760.2	1930.2	2088.0	2245.8	2375.3	2583.7	2585.7	2193.2	1489.1	783.0
62.5°	1780.5	1984.8	2187.1	2322.7	2458.3	2618.1	2869.0	2832.6	2347.0	1501.3	655.5
65°	2007.1	2217.5	2427.9	2543.2	2656.5	2838.6	3109.7	2970.1	2389.5	1432.5	473.4
67.5°	2239.7	2436.0	2632.3	2723.3	2814.4	3045.0	3285.8	2986.3	2326.7	1329.3	329.8
70°	2413.7	2597.9	2782.0	2860.9	2939.8	3188.7	3338.4	2881.1	2150.7	1203.8	257.0
72.5°	2573.6	2747.6	2919.6	2960.0	2998.5	3125.9	3071.3	2539.2	1812.8	1013.7	212.4
75°	2763.8	2875.1	2984.3	2911.5	2838.6	2666.7	2357.1	1851.3	1327.3	754.7	182.1
77.5°	2850.8	2824.5	2796.1	2547.3	2298.4	1837.1	1464.8	1070.3	673.7	414.8	155.8
80°	2318.7	2213.4	2106.2	1689.4	1272.6	870.0	570.6	362.2	246.8	186.1	125.4
82.5°	1357.6	1112.8	868.0	637.3	406.7	285.3	186.1	147.7	115.3	109.3	101.2
85°	439.0	388.5	337.9	267.1	196.3	121.4	70.8	64.7	60.7	66.8	70.8
87.5°	58.7	58.7	56.7	42.5	26.3	14.2	8.1	6.1	6.1	8.1	8.1
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°	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3	637.3
2.5°	629.2	627.2	625.2	623.2	621.1	617.1	600.9	584.7	578.7	570.6	564.5
5°	592.8	572.6	558.4	544.3	538.2	530.1	532.1	534.1	536.2	536.2	536.2
7.5°	513.9	518.0	520.0	520.0	526.0	530.1	534.1	536.2	528.1	520.0	509.9
10°	408.7	402.6	410.7	416.8	426.9	435.0	461.3	487.6	511.9	536.2	546.3
12.5°	372.3	392.5	376.3	360.1	392.5	422.9	459.3	495.7	518.0	538.2	520.0
15°	378.3	344.0	348.0	350.0	390.5	428.9	406.7	384.4	447.1	507.8	526.0
17.5°	372.3	366.2	388.5	408.7	370.3	331.8	386.4	439.0	467.4	495.7	487.6
20°	402.6	358.1	358.1	358.1	392.5	426.9	400.6	374.3	404.7	435.0	485.6
22.5°	416.8	433.0	400.6	366.2	388.5	410.7	410.7	408.7	443.1	475.5	467.4
25°	420.8	360.1	388.5	414.8	400.6	384.4	402.6	418.8	428.9	439.0	483.6
27.5°	481.5	439.0	406.7	372.3	398.6	424.9	418.8	412.7	420.8	428.9	439.0
30°	570.6	471.4	435.0	396.6	382.4	366.2	384.4	400.6	431.0	461.3	501.8
32.5°	596.9	509.9	451.2	390.5	388.5	384.4	390.5	394.5	428.9	461.3	518.0
35°	592.8	493.7	437.0	378.3	366.2	354.1	364.2	372.3	422.9	473.4	528.1
37.5°	588.8	469.4	410.7	352.0	344.0	333.8	344.0	354.1	392.5	431.0	481.5
40°	582.7	441.1	384.4	325.7	315.6	305.5	315.6	323.7	354.1	384.4	424.9
42.5°	568.5	412.7	356.1	297.4	289.3	279.2	287.3	295.4	321.7	348.0	372.3
45°	552.3	380.4	325.7	271.1	263.0	254.9	261.0	265.0	289.3	311.6	323.7
47.5°	534.1	346.0	295.4	244.8	236.7	228.6	234.7	238.7	257.0	275.2	279.2
50°	530.1	317.7	271.1	222.6	216.5	208.4	212.4	216.5	230.7	242.8	242.8
52.5°	522.0	283.3	244.8	204.3	200.3	194.2	196.3	198.3	208.4	218.5	216.5
55°	515.9	259.0	224.6	190.2	186.1	180.1	182.1	184.1	194.2	202.3	200.3
57.5°	522.0	238.7	208.4	176.0	172.0	167.9	172.0	176.0	186.1	196.3	196.3
60°	501.8	218.5	190.2	161.9	159.8	155.8	165.9	174.0	190.2	204.3	208.4
62.5°	428.9	200.3	176.0	151.7	153.8	153.8	172.0	188.2	210.4	230.7	234.7
65°	329.8	186.1	165.9	143.7	153.8	163.9	188.2	212.4	232.7	252.9	246.8
67.5°	252.9	176.0	159.8	141.6	163.9	184.1	206.4	228.6	238.7	246.8	236.7
70°	212.4	165.9	153.8	139.6	161.9	184.1	206.4	228.6	232.7	236.7	226.6
72.5°	186.1	157.8	145.7	133.5	151.7	170.0	196.3	220.5	224.6	226.6	216.5
75°	165.9	147.7	133.5	119.4	137.6	153.8	180.1	206.4	210.4	212.4	204.3
77.5°	145.7	135.6	119.4	103.2	121.4	139.6	163.9	188.2	194.2	200.3	190.2
80°	121.4	115.3	103.2	91.0	111.3	129.5	151.7	174.0	180.1	186.1	176.0
82.5°	97.1	93.1	85.0	76.9	97.1	117.3	139.6	159.8	165.9	170.0	157.8
85°	70.8	70.8	66.8	62.7	83.0	101.2	115.3	129.5	127.5	125.4	117.3
87.5°	10.1	10.1	14.2	18.2	24.3	28.3	36.4	42.5	44.5	44.5	34.4
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):

	165°	170°	175°	180°
0°	637.3	637.3	637.3	637.3
2.5°	558.4	558.4	556.4	560.4
5°	536.2	538.2	538.2	540.2
7.5°	499.7	489.6	477.5	479.5
10°	556.4	558.4	560.4	560.4
12.5°	499.7	491.7	481.5	483.6
15°	542.2	548.3	554.4	556.4
17.5°	477.5	475.5	473.4	471.4
20°	534.1	544.3	554.4	554.4
22.5°	459.3	459.3	459.3	461.3
25°	528.1	540.2	550.3	550.3
27.5°	447.1	475.5	503.8	526.0
30°	540.2	546.3	552.3	554.4
32.5°	572.6	602.9	631.3	637.3
35°	580.7	594.8	607.0	613.0
37.5°	532.1	544.3	556.4	564.5
40°	463.3	473.4	483.6	489.6
42.5°	394.5	396.6	398.6	408.7
45°	335.9	325.7	315.6	313.6
47.5°	281.2	267.1	252.9	250.9
50°	240.8	228.6	216.5	216.5
52.5°	212.4	204.3	196.3	196.3
55°	198.3	194.2	188.2	188.2
57.5°	196.3	194.2	192.2	192.2
60°	210.4	212.4	212.4	212.4
62.5°	236.7	238.7	238.7	238.7
65°	238.7	234.7	230.7	230.7
67.5°	226.6	220.5	214.5	210.4
70°	214.5	210.4	204.3	198.3
72.5°	204.3	200.3	194.2	188.2
75°	194.2	188.2	180.1	176.0
77.5°	180.1	176.0	170.0	165.9
80°	163.9	159.8	153.8	145.7
82.5°	145.7	147.7	147.7	127.5
85°	107.2	101.2	93.1	76.9
87.5°	22.3	20.2	16.2	14.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)