

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: EPHESUS

Report Number: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NMB-LT**

Issue Date: 11/13/2024

Test Information

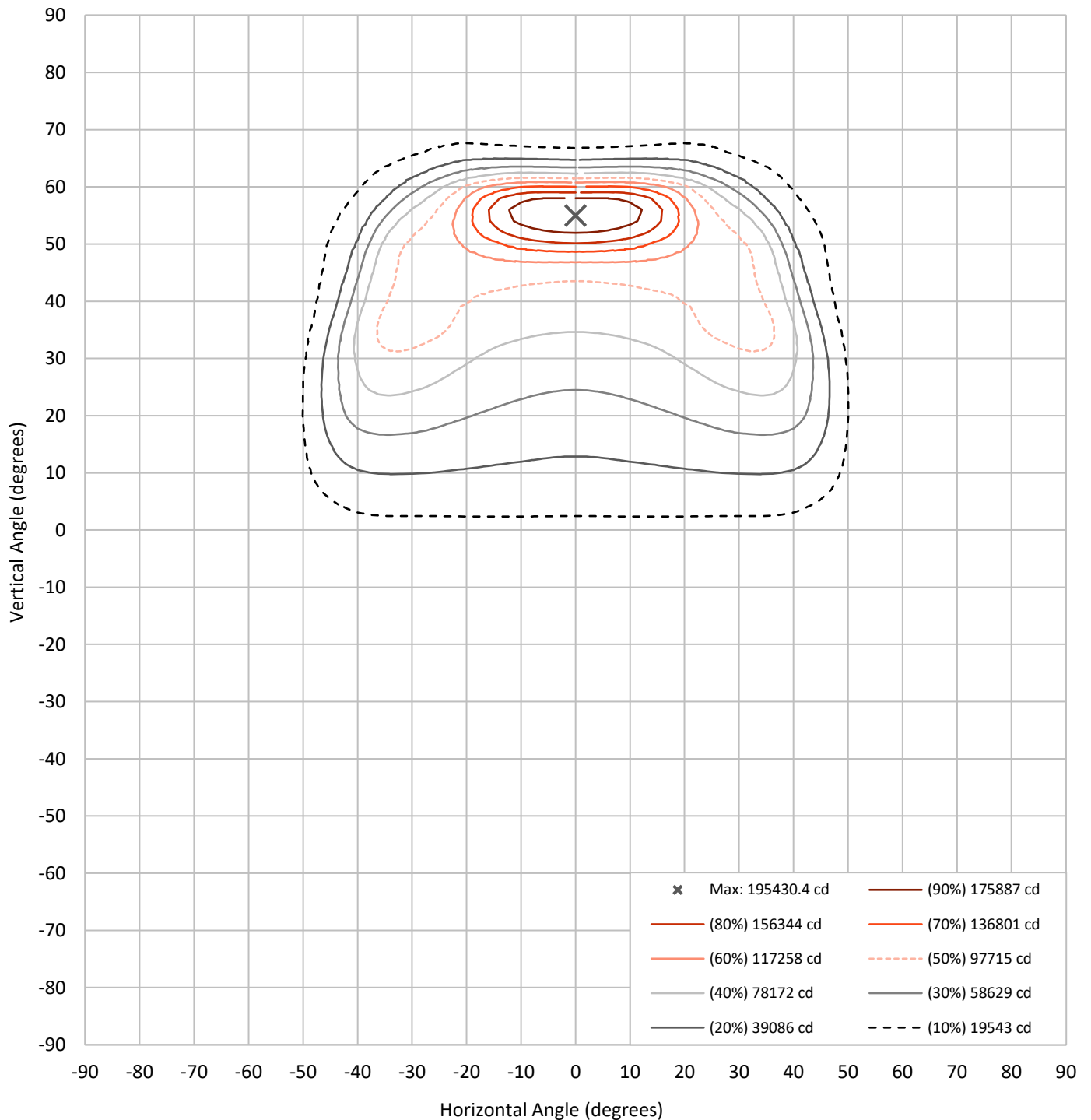
Test Method: LM-79-08
Report Number: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2I484U1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-NMB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-NMB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	136849.1 lumens	Max Intensity:	195430.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	96.9 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	52.9°H x 17.9°V	Field Angle (10%):	86.6°H x 64.2°V
Beam Lumens:	49358.1 lumens	Field Lumens:	116780.8 lumens
Beam Efficiency:	36.1%	Field Efficiency:	85.3%
Input Watts (W):	1413		
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:	25 FT		

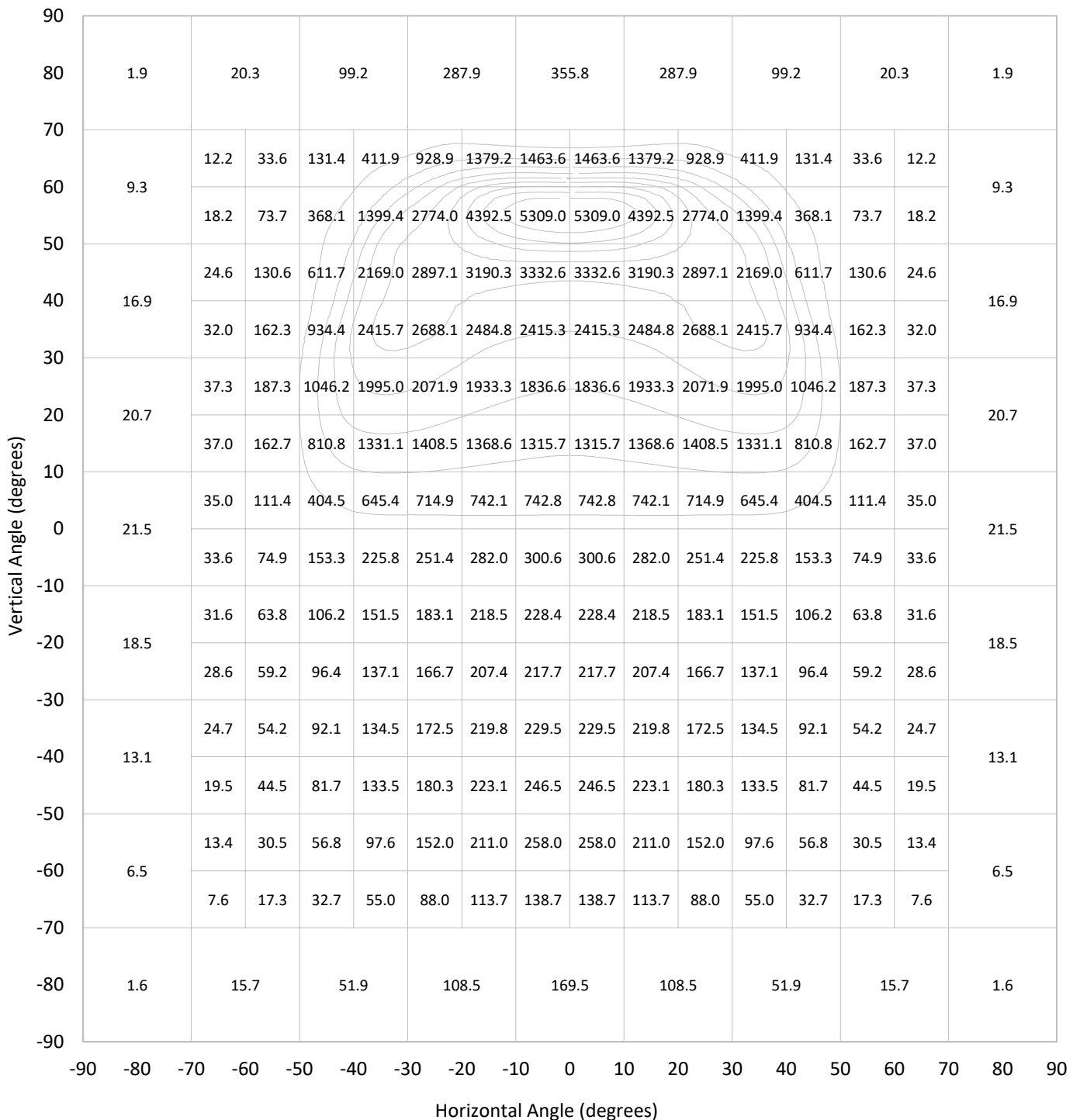
REPORT NUMBER: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NMB-LT

Iso-Candela Plot



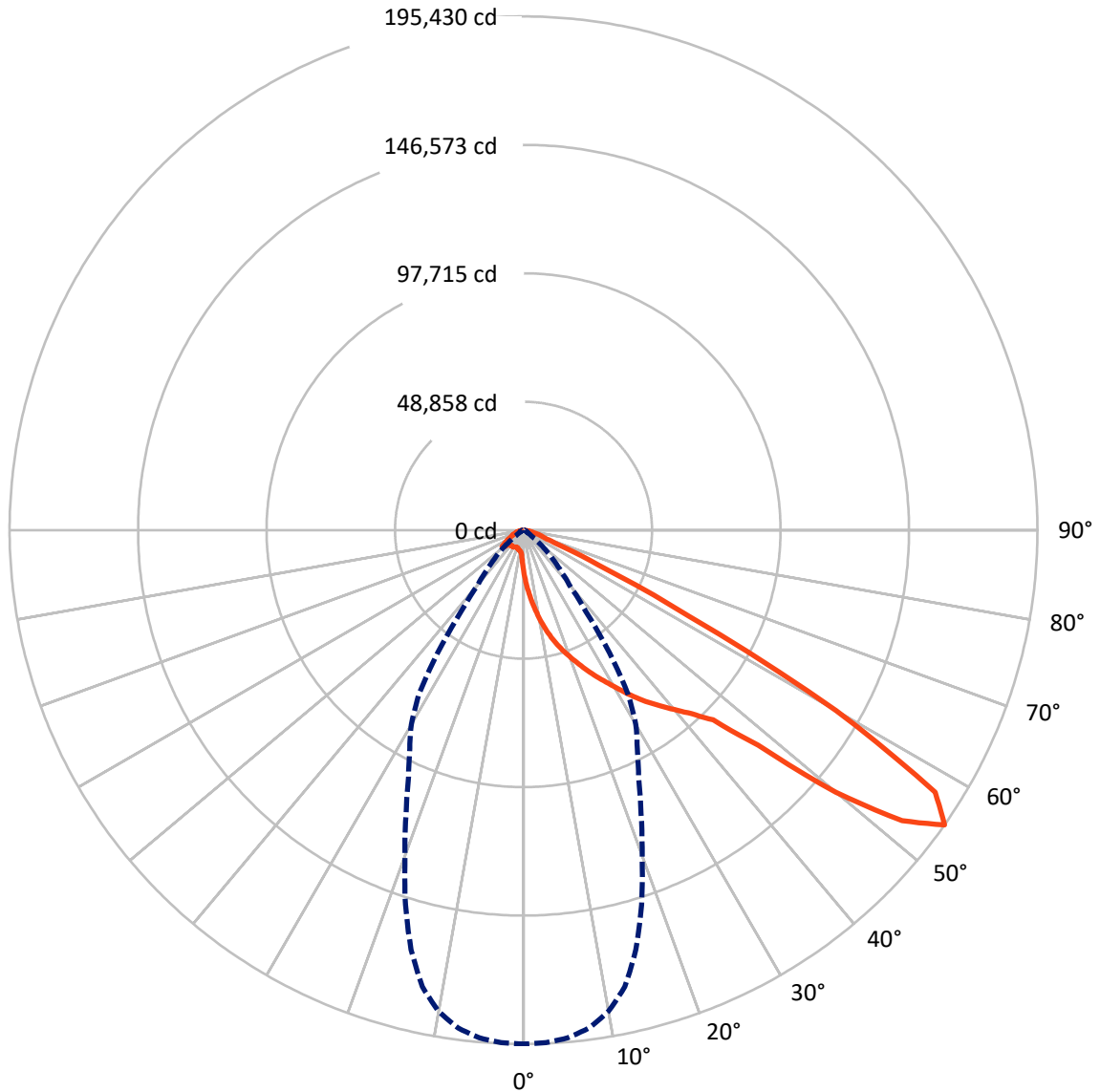
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Lumen Table



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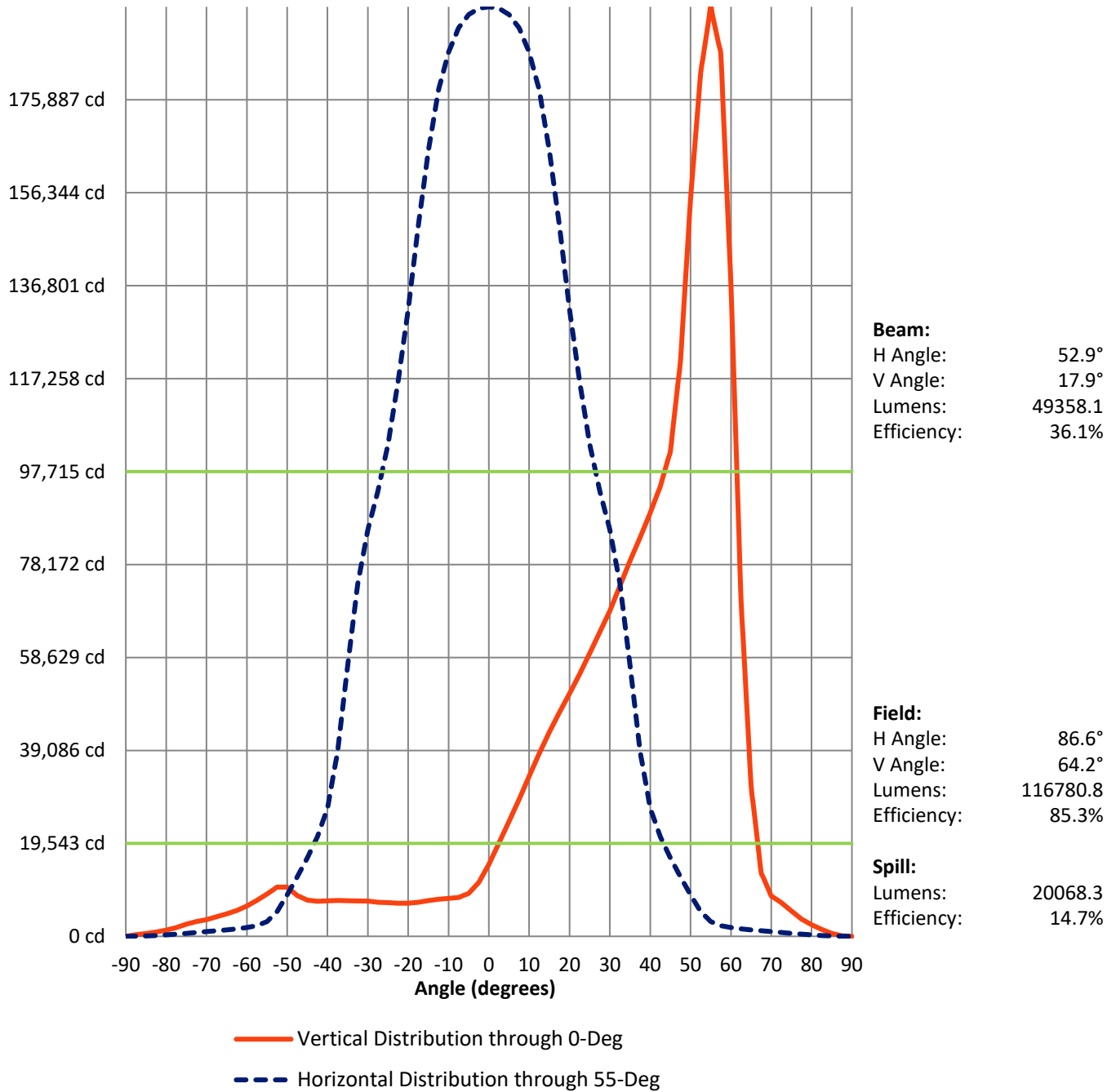
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot





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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.5	5.9	8.9	11.8	14.8	17.7	20.5	23.3	24.4	22.2
85°	0.0	5.0	11.9	17.8	23.7	29.5	35.3	41.0	46.6	48.8	48.2
82.5°	0.0	7.4	17.7	26.7	35.5	44.2	52.9	67.5	82.6	95.8	105.4
80°	0.0	9.9	23.6	35.5	47.2	63.2	87.0	106.3	125.0	144.7	169.7
77.5°	0.0	12.4	29.3	44.2	63.0	93.0	122.7	145.2	179.1	226.5	264.6
75°	0.0	14.8	34.9	52.9	85.7	122.5	158.2	206.2	261.2	316.1	371.5
72.5°	0.0	17.3	40.4	66.1	107.8	151.5	211.3	278.8	343.2	425.3	508.5
70°	0.0	19.7	45.7	80.1	129.2	189.5	269.8	349.9	442.4	543.4	648.4
67.5°	0.0	22.1	50.9	93.8	149.8	237.0	327.3	427.4	540.5	661.3	795.5
65°	0.0	24.5	57.3	106.9	178.4	283.7	386.0	503.5	636.9	776.2	929.2
62.5°	0.0	26.8	64.6	119.6	214.3	329.5	445.2	576.4	734.2	882.8	1040.5
60°	0.0	29.2	71.7	131.6	249.2	375.5	502.0	659.5	829.5	980.5	1147.6
57.5°	0.0	31.5	78.6	143.9	283.3	422.2	556.3	740.9	918.4	1078.8	1251.3
55°	0.0	33.8	85.2	165.9	316.4	467.6	621.7	818.4	1003.6	1181.6	1355.2
52.5°	0.0	36.0	91.4	186.2	348.7	511.7	684.0	888.6	1085.9	1285.3	1467.5
50°	0.0	38.3	97.4	204.9	380.6	552.0	741.1	955.8	1171.1	1389.1	1578.9
47.5°	0.0	40.4	103.0	221.9	409.3	590.7	793.4	1020.3	1252.8	1487.0	1703.1
45°	0.0	42.6	108.3	237.1	432.7	625.7	845.9	1086.3	1332.2	1585.5	1823.6
42.5°	0.0	44.6	113.3	250.4	453.9	656.7	896.4	1150.8	1415.9	1686.4	1937.6
40°	0.0	46.7	117.9	262.9	472.8	683.8	940.4	1208.4	1492.4	1783.7	2057.9
37.5°	0.0	48.6	122.1	274.5	489.5	707.0	974.4	1259.3	1561.5	1867.9	2171.1
35°	0.0	51.0	128.6	286.9	503.3	729.2	1004.2	1303.0	1612.3	1949.3	2276.1
32.5°	0.0	53.4	135.3	298.8	514.9	750.1	1031.7	1338.3	1656.8	2023.1	2350.6
30°	0.0	55.7	141.3	309.2	524.8	768.6	1056.2	1369.4	1691.4	2063.4	2409.0
27.5°	0.0	57.8	147.4	318.2	536.1	784.6	1080.4	1398.0	1725.6	2097.0	2452.7
25°	0.0	59.7	152.9	325.7	546.2	798.1	1101.9	1423.8	1761.1	2124.7	2512.6
22.5°	0.0	61.5	157.7	331.8	554.9	810.8	1119.7	1450.1	1794.7	2157.2	2542.0
20°	0.0	63.1	161.8	336.5	562.1	824.8	1134.4	1473.4	1821.8	2181.1	2564.8
17.5°	0.0	64.5	165.3	340.9	567.7	836.3	1151.8	1491.8	1841.7	2198.8	2576.2
15°	0.0	65.8	168.2	344.3	571.7	846.4	1168.2	1507.9	1854.2	2214.2	2590.1
12.5°	0.0	66.9	170.4	346.3	575.5	854.9	1180.6	1522.9	1866.9	2224.8	2604.3
10°	0.0	67.8	172.0	346.9	578.1	861.9	1189.0	1533.4	1879.3	2244.8	2605.6
7.5°	0.0	68.6	172.9	346.3	579.0	867.3	1194.7	1539.2	1886.1	2259.0	2609.0
5°	0.0	69.3	173.3	344.3	578.2	869.5	1196.8	1539.8	1894.0	2270.6	2605.2
2.5°	0.0	69.7	173.1	341.2	575.5	868.6	1194.7	1535.7	1899.0	2282.2	2609.4
0°	0.0	70.1	172.4	337.0	571.0	864.6	1188.7	1526.8	1898.6	2287.8	2606.1
-2.5°	0.0	70.1	172.1	336.1	569.0	859.3	1178.9	1516.2	1889.6	2285.7	2598.2
-5°	0.0	69.9	171.2	334.1	565.2	851.1	1165.2	1500.9	1874.4	2277.8	2584.9
-7.5°	0.0	69.6	169.8	331.1	559.5	840.2	1147.7	1480.9	1851.5	2258.5	2565.0
-10°	0.0	69.1	167.9	327.1	551.9	826.7	1126.4	1452.9	1818.2	2228.8	2540.0
-12.5°	0.0	68.5	165.5	322.2	542.6	810.3	1102.3	1419.5	1778.4	2189.1	2509.3
-15°	0.0	67.8	162.5	316.2	531.5	790.9	1075.4	1381.7	1732.0	2131.7	2473.7
-17.5°	0.0	66.9	159.1	309.3	518.8	769.6	1046.0	1340.6	1679.8	2067.1	2420.7
-20°	0.0	65.9	155.1	301.5	504.5	747.1	1012.6	1295.7	1622.5	2000.1	2352.8



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NMB-LT

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	64.8	150.7	292.9	488.4	722.7	975.3	1246.2	1569.1	1932.8	2280.2
-25°	0.0	63.5	145.8	283.5	470.8	697.6	937.1	1197.0	1520.7	1863.6	2213.2
-27.5°	0.0	62.1	140.4	273.1	451.4	671.4	897.7	1159.1	1471.5	1799.4	2141.8
-30°	0.0	60.5	134.5	261.9	430.8	644.0	859.4	1117.4	1417.8	1735.2	2063.6
-32.5°	0.0	58.9	128.2	249.8	410.3	615.4	825.4	1071.9	1361.1	1666.6	1981.8
-35°	0.0	57.1	121.5	237.0	388.6	585.8	787.9	1024.2	1301.6	1589.8	1894.9
-37.5°	0.0	55.2	115.2	224.1	367.5	555.6	749.0	977.4	1241.9	1508.7	1796.1
-40°	0.0	53.4	111.1	212.7	349.3	524.4	710.2	929.6	1173.8	1426.3	1691.5
-42.5°	0.0	51.4	106.9	200.8	329.6	491.3	670.4	877.5	1100.9	1338.2	1581.6
-45°	0.0	49.4	102.6	188.6	308.6	456.5	629.3	820.6	1023.5	1247.0	1475.6
-47.5°	0.0	47.2	98.0	175.8	286.2	419.9	585.9	762.1	951.9	1153.5	1368.2
-50°	0.0	45.0	93.3	162.4	262.9	381.8	541.8	704.6	874.5	1056.3	1257.7
-52.5°	0.0	42.6	88.5	148.5	239.2	352.9	495.8	643.5	792.5	959.3	1143.1
-55°	0.0	40.2	83.6	134.1	219.4	323.7	447.7	579.3	714.9	858.3	1022.6
-57.5°	0.0	37.7	78.5	119.2	199.9	292.5	394.8	513.9	635.5	754.2	904.0
-60°	0.0	35.1	73.3	110.8	179.4	259.5	350.5	445.2	554.9	659.2	785.4
-62.5°	0.0	32.4	68.0	102.6	158.0	228.6	306.5	375.5	474.7	563.1	678.4
-65°	0.0	29.7	62.5	94.2	135.9	200.2	262.7	328.4	396.0	482.1	572.6
-67.5°	0.0	26.9	56.9	85.5	118.1	171.7	224.7	281.5	335.3	405.0	483.8
-70°	0.0	24.1	51.0	76.6	105.4	143.0	191.2	236.3	285.4	340.8	402.1
-72.5°	0.0	21.2	44.9	67.5	92.3	120.2	157.3	199.9	236.5	287.6	336.8
-75°	0.0	18.2	38.7	58.2	78.8	102.8	126.3	163.8	199.9	238.5	278.7
-77.5°	0.0	15.2	32.4	48.6	65.1	85.0	104.9	130.9	163.5	197.4	228.4
-80°	0.0	12.2	26.0	39.0	51.9	67.0	83.2	102.5	126.7	155.9	180.5
-82.5°	0.0	9.2	19.6	29.3	39.0	50.0	61.6	73.5	88.9	116.8	133.8
-85°	0.0	6.1	13.1	19.6	26.1	33.4	41.1	47.8	54.4	77.7	86.9
-87.5°	0.0	3.1	6.5	9.8	13.0	16.7	20.6	23.9	27.2	39.1	43.3
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.2	26.2	28.1	31.3	34.6	36.6	38.4	40.2	51.9	57.5	59.6
85°	57.1	65.6	74.3	83.9	90.3	96.5	103.3	110.0	121.6	130.2	135.2
82.5°	114.6	124.9	138.4	160.2	177.2	196.9	217.5	237.4	260.5	282.3	299.4
80°	194.7	221.7	250.8	274.6	302.3	338.9	376.7	417.1	459.6	511.7	563.2
77.5°	295.2	336.6	389.3	433.8	470.6	510.4	597.5	676.0	750.3	863.7	1044.1
75°	436.6	493.7	552.0	652.5	756.9	852.6	944.8	1081.4	1218.9	1415.6	1701.4
72.5°	589.2	692.5	814.7	944.5	1110.7	1312.1	1507.6	1705.3	1999.4	2389.7	2829.7
70°	775.3	919.4	1068.1	1247.5	1490.7	1804.2	2167.8	2569.5	3046.7	3653.7	4407.1
67.5°	949.1	1114.1	1304.2	1523.8	1841.3	2285.5	2836.4	3415.1	4446.2	5937.3	7396.3
65°	1093.4	1287.5	1502.0	1768.8	2199.8	2802.8	3675.0	5023.7	7026.3	10049.0	13139.2
62.5°	1223.2	1427.4	1679.2	2017.7	2579.8	3466.9	4848.4	7478.9	10880.9	14665.3	18340.2
60°	1335.6	1565.0	1846.9	2289.7	3030.6	4598.0	6958.8	10400.6	14305.9	18397.3	22641.6
57.5°	1450.7	1703.6	2047.5	2555.1	3949.8	6201.8	9762.9	13520.0	17539.5	22076.2	28671.5
55°	1575.9	1854.7	2240.9	3118.0	5219.1	8725.4	12519.0	16497.6	20960.2	26968.9	38874.4
52.5°	1702.5	2009.0	2542.6	3940.7	7073.5	10879.4	14764.0	18615.2	24369.9	33758.8	50815.9
50°	1839.2	2197.4	2894.2	5140.3	8696.4	12466.5	15893.7	20343.9	27514.6	41104.8	62222.3
47.5°	1971.9	2363.9	3525.0	6239.1	9887.8	13086.8	16535.0	21918.5	31267.3	48973.1	71742.9
45°	2108.4	2634.0	4111.8	7229.2	10226.4	13103.9	16811.7	22870.9	35449.4	55488.8	77647.9
42.5°	2241.6	2870.3	4854.4	7702.7	10454.6	13169.8	17283.4	25724.6	41259.9	62561.4	81924.8
40°	2403.7	3243.3	5414.4	8249.3	10798.7	13664.9	18822.3	29324.4	47330.8	69173.4	86504.4
37.5°	2524.2	3659.5	5999.2	8652.8	11126.6	14363.2	20669.5	33448.3	54847.5	75822.8	91606.4
35°	2690.1	3981.0	6451.3	9032.9	11359.4	14980.6	23126.8	39953.8	61644.1	81148.8	95165.3
32.5°	2896.1	4381.2	6843.5	9206.8	11663.1	16309.8	26768.8	45098.6	66153.1	83464.9	94904.1
30°	3004.0	4700.2	7236.0	9483.1	12040.7	17222.5	29645.4	48633.3	66863.4	80922.0	89931.0
27.5°	3123.1	4980.4	7579.6	9922.7	12744.0	19065.2	32131.8	49346.6	65486.1	77682.3	85119.8
25°	3288.8	5212.7	7773.4	9948.6	12845.5	19616.8	33368.6	50094.4	64194.4	74741.2	80459.8
22.5°	3350.0	5253.4	7601.2	9625.8	12534.0	19684.4	33397.0	48828.8	61495.6	69904.0	74144.2
20°	3284.0	5103.3	7227.6	9199.4	12208.9	19769.2	32744.9	46748.9	57920.7	64629.5	67502.8
17.5°	3266.2	4819.8	6767.5	8651.8	11617.4	19013.6	31456.6	43484.1	52582.7	57974.1	60447.9
15°	3221.3	4561.7	6284.5	8047.6	10835.8	18028.3	29071.6	39368.5	46965.7	51423.6	53508.5
12.5°	3183.8	4258.4	5779.7	7483.6	10296.3	16694.1	26118.2	34836.9	41168.2	44653.1	46336.9
10°	3105.5	4025.2	5346.9	6929.6	9434.4	14945.4	22685.0	29704.2	34650.8	37687.5	39174.1
7.5°	3066.0	3807.7	4911.9	6316.0	8471.8	12839.1	18893.0	24128.4	28130.9	30713.2	32003.3
5°	3015.5	3631.7	4532.5	5737.0	7456.2	10614.9	14911.0	18694.7	21861.1	24061.2	25154.7
2.5°	2987.6	3512.5	4210.2	5185.8	6483.7	8557.9	11335.0	13924.9	16313.6	18158.1	19081.2
0°	2951.6	3407.0	3931.3	4689.6	5609.7	6905.0	8575.4	10236.4	11900.4	13393.8	14083.2
-2.5°	2924.1	3319.4	3798.1	4381.4	5086.7	5959.3	6944.9	7969.6	9161.8	10234.8	10760.2
-5°	2889.9	3233.1	3676.4	4131.6	4698.3	5315.3	5943.7	6607.8	7412.6	8121.8	8475.6
-7.5°	2854.6	3165.0	3576.5	3941.9	4408.0	4884.3	5342.2	5810.9	6346.1	6777.8	7023.6
-10°	2815.4	3111.2	3474.0	3825.5	4186.6	4581.8	4957.3	5345.5	5726.3	6049.6	6277.5
-12.5°	2777.3	3069.5	3378.6	3724.3	4038.6	4355.6	4710.3	5083.7	5404.6	5705.3	5979.5
-15°	2732.1	3029.5	3318.1	3626.3	3924.8	4216.0	4540.9	4906.7	5223.2	5541.7	5859.5
-17.5°	2691.8	2984.4	3265.8	3545.7	3824.7	4091.7	4404.1	4745.2	5067.1	5399.5	5742.6
-20°	2645.4	2937.1	3215.3	3485.3	3749.0	4007.0	4289.2	4617.3	4953.8	5277.1	5566.8



REPORT NUMBER: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NMB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2585.1	2877.2	3165.3	3429.4	3706.0	3953.7	4227.1	4521.5	4854.1	5190.6	5433.0
-25°	2518.4	2810.5	3102.0	3390.9	3660.1	3905.4	4171.9	4426.2	4764.5	5081.4	5283.2
-27.5°	2454.0	2738.0	3033.5	3325.1	3598.5	3845.3	4105.0	4352.2	4654.2	4953.2	5167.4
-30°	2377.7	2661.8	2956.0	3238.1	3532.2	3788.1	4044.0	4278.2	4572.0	4879.1	5110.4
-32.5°	2294.2	2582.2	2869.8	3173.0	3460.4	3747.4	4012.4	4255.9	4511.6	4827.3	5095.1
-35°	2203.5	2495.2	2763.6	3107.8	3418.3	3709.8	3984.8	4260.2	4547.4	4838.4	5108.7
-37.5°	2097.4	2388.4	2663.3	2987.0	3336.9	3664.6	3931.5	4269.0	4602.2	4905.6	5192.0
-40°	1979.3	2271.5	2549.1	2843.4	3217.8	3567.4	3850.9	4178.7	4535.2	4928.6	5224.3
-42.5°	1853.6	2135.8	2406.6	2690.7	3029.0	3391.0	3726.3	4040.8	4390.0	4768.0	5180.4
-45°	1724.2	1985.4	2247.3	2514.9	2812.0	3143.5	3477.6	3816.5	4146.1	4511.2	4947.6
-47.5°	1587.0	1831.2	2078.4	2326.1	2592.3	2873.7	3195.0	3518.0	3850.0	4204.5	4601.0
-50°	1456.6	1676.1	1905.3	2132.5	2376.2	2627.3	2906.4	3204.4	3540.1	3887.5	4265.5
-52.5°	1321.6	1517.4	1722.8	1940.1	2157.6	2387.7	2636.7	2901.2	3214.4	3561.1	3923.9
-55°	1183.7	1352.0	1525.9	1729.5	1924.6	2138.0	2358.9	2603.4	2877.1	3182.7	3524.8
-57.5°	1044.3	1188.1	1344.6	1511.0	1693.6	1879.7	2078.2	2292.8	2538.2	2809.8	3101.9
-60°	911.3	1034.9	1168.1	1317.9	1471.0	1636.8	1817.2	2017.9	2227.0	2461.8	2713.3
-62.5°	784.3	894.2	1005.4	1135.7	1269.0	1410.7	1564.5	1748.6	1937.9	2137.7	2342.2
-65°	668.8	764.2	859.9	962.9	1079.8	1200.3	1336.6	1484.8	1648.3	1821.9	1988.1
-67.5°	558.7	645.8	723.5	812.6	905.2	1005.5	1123.3	1240.4	1379.3	1525.0	1659.5
-70°	468.9	531.9	600.4	676.0	749.6	839.6	933.2	1031.7	1148.0	1259.2	1362.9
-72.5°	382.6	441.2	494.0	554.7	625.5	694.2	766.3	844.0	936.0	1021.0	1097.7
-75°	318.3	361.8	400.0	451.2	508.2	560.5	613.1	680.5	749.4	815.9	879.1
-77.5°	256.5	294.3	329.4	364.2	403.0	435.3	485.5	538.5	590.4	646.0	691.0
-80°	206.8	234.8	261.5	289.3	319.7	348.2	385.3	423.6	460.5	508.3	555.2
-82.5°	154.0	176.1	196.2	219.8	239.9	259.9	287.2	319.0	351.9	387.8	412.8
-85°	97.2	119.0	131.5	150.8	166.0	178.7	192.5	211.1	229.7	256.1	271.4
-87.5°	47.3	60.2	66.0	78.2	89.9	99.4	107.5	120.5	125.8	144.5	157.0
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	62.0	64.9	67.9	67.2	60.3	61.2	64.0	65.6	68.9	74.6	78.5
85°	148.4	167.4	187.8	205.8	219.5	219.7	229.5	232.2	252.0	282.2	320.6
82.5°	329.5	384.5	459.7	532.3	571.0	582.4	583.1	578.9	633.5	715.5	823.9
80°	657.8	844.0	999.7	1129.0	1185.2	1188.4	1204.5	1274.3	1401.4	1534.8	1696.7
77.5°	1310.7	1573.4	1791.0	1984.0	2080.7	2128.2	2209.0	2362.0	2570.5	2810.5	3080.5
75°	2063.6	2426.7	2805.9	3192.3	3485.2	3672.9	3831.9	4043.7	4339.1	4693.4	5050.5
72.5°	3339.8	4001.9	4778.2	5605.4	6232.8	6622.4	6878.8	7010.0	7052.6	7030.7	7056.6
70°	5510.1	6758.1	8060.6	9449.6	10597.2	11322.0	11357.9	11037.9	10584.6	10056.6	9366.0
67.5°	9124.3	10957.9	12754.1	14895.1	17369.8	18896.9	19159.7	18470.7	17347.3	16143.4	15385.0
65°	15332.9	17688.7	20474.1	23493.8	28076.0	31797.0	33944.4	34568.2	34308.8	34367.3	33817.3
62.5°	22013.6	26749.6	32394.3	38926.4	47566.2	55625.5	61789.3	66343.5	71377.9	74077.5	74749.1
60°	28563.2	38997.1	50445.2	61959.9	74045.6	87316.3	101144.2	113045.8	123310.6	131087.3	136273.4
57.5°	39388.0	56100.5	69619.1	81017.5	93124.7	107369.1	123505.8	141372.7	157675.8	170544.4	180312.7
55°	56929.9	74124.0	85445.7	93652.5	103473.4	116674.6	131796.9	149351.2	165134.2	177879.9	185856.9
52.5°	72492.5	87242.7	95385.3	101033.0	107715.2	117146.5	128328.0	141072.5	153543.0	163514.5	171452.6
50°	84068.9	95356.5	100456.7	103972.3	108232.5	113121.3	119600.0	125949.3	132443.2	139265.0	145144.0
47.5°	89590.2	98611.6	102600.1	104976.6	107117.8	109563.0	112284.2	114889.7	117018.8	119068.3	120265.0
45°	91977.2	99195.1	102412.3	103991.6	104799.7	105214.5	105428.7	105437.5	105271.5	104560.8	103828.4
42.5°	93968.5	100255.9	102913.8	103603.8	103113.3	102267.2	100769.3	99594.2	99234.0	98241.9	96913.4
40°	97322.7	102702.7	104897.6	104728.2	103496.9	100551.6	98403.3	95925.2	94100.0	92625.6	91405.4
37.5°	101356.4	106386.7	107249.3	106080.9	104232.6	99008.5	93973.5	90784.2	88769.5	87340.6	86144.0
35°	103447.2	106510.2	105993.6	103744.5	100865.7	96039.5	89515.0	86079.0	83871.7	82479.3	81298.2
32.5°	100175.3	101539.4	100070.0	97276.8	94037.5	90323.8	85160.8	81480.1	79322.7	77725.1	76402.7
30°	94102.3	94480.6	92636.4	90078.0	86983.5	83457.1	80078.2	77096.9	74939.4	73106.2	71650.7
27.5°	88160.0	88137.1	86454.8	84332.2	81300.3	77981.9	75095.5	72553.7	70579.1	68377.7	66964.4
25°	82463.6	82045.4	80225.8	78549.7	75738.9	72544.8	69963.6	67761.8	65757.6	63830.3	62482.9
22.5°	75595.3	75107.2	73618.3	71805.2	69475.2	66854.5	64580.8	62657.9	60829.1	59230.1	57908.6
20°	68433.0	67946.2	66817.4	65281.7	63265.9	61077.5	59377.8	57621.9	56083.2	54739.5	53588.4
17.5°	61174.8	60842.4	60069.0	58986.1	57255.7	55610.9	54276.1	52786.6	51493.3	50415.8	49431.2
15°	54100.6	53838.8	53304.1	52541.0	51321.4	50059.6	48960.1	47813.5	46736.4	45852.1	44949.4
12.5°	46913.7	46779.8	46527.2	46023.7	45134.8	44136.9	43307.5	42447.3	41597.8	40838.6	40188.3
10°	39743.9	39695.8	39522.1	39256.0	38665.1	37958.7	37426.2	36767.7	36103.9	35600.6	35107.4
7.5°	32543.7	32629.4	32534.3	32395.0	32033.2	31662.0	31436.6	31005.0	30568.7	30243.9	29918.7
5°	25650.5	25737.9	25707.3	25700.5	25613.1	25478.2	25440.8	25253.1	25057.3	24910.2	24779.6
2.5°	19510.5	19569.9	19517.9	19549.0	19618.6	19659.9	19791.0	19795.7	19792.4	19790.5	19794.8
0°	14365.2	14355.2	14239.6	14241.8	14364.5	14472.8	14713.5	14820.3	14869.6	14912.9	14995.6
-2.5°	10875.0	10727.0	10476.6	10358.4	10446.3	10561.7	10697.3	10759.5	10805.9	10876.8	10977.2
-5°	8465.5	8259.4	8065.2	7965.0	8125.9	8276.1	8356.0	8401.5	8461.6	8566.6	8671.1
-7.5°	7079.3	6977.0	6850.6	6962.3	7224.8	7403.7	7507.2	7664.0	7810.4	7930.4	8041.5
-10°	6447.6	6451.6	6440.5	6613.6	6894.5	7106.9	7301.2	7542.7	7724.8	7849.0	7942.0
-12.5°	6184.5	6364.0	6416.6	6550.9	6763.3	6980.8	7225.5	7501.3	7695.4	7797.0	7856.6
-15°	6109.2	6354.5	6493.7	6534.2	6620.9	6842.3	7104.2	7429.3	7622.4	7634.1	7681.4
-17.5°	6015.5	6264.7	6434.9	6363.7	6380.9	6617.9	6902.5	7148.8	7335.1	7358.3	7354.0
-20°	5816.2	6013.1	6196.5	6129.8	6114.7	6357.7	6652.7	6896.2	7088.6	7144.1	7119.5



REPORT NUMBER: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5622.8	5808.0	5979.2	5919.9	5918.0	6191.8	6522.3	6762.1	7017.6	7122.6	7124.2
-25°	5439.5	5632.2	5821.2	5792.1	5807.2	6111.1	6490.4	6823.3	7092.3	7271.9	7281.2
-27.5°	5350.1	5549.2	5768.5	5781.3	5825.0	6143.3	6566.5	6932.8	7213.1	7409.7	7451.2
-30°	5300.8	5533.6	5780.2	5857.2	5900.5	6199.3	6633.1	7017.8	7322.8	7540.9	7587.0
-32.5°	5274.2	5528.7	5805.0	5907.6	5987.7	6273.2	6746.3	7184.6	7459.2	7670.3	7713.2
-35°	5319.2	5563.1	5863.8	6024.0	6119.5	6371.7	6828.7	7260.8	7577.5	7770.3	7786.4
-37.5°	5450.7	5751.6	6053.8	6244.1	6315.8	6524.5	6936.4	7376.6	7706.2	7874.4	7871.7
-40°	5544.5	5908.6	6274.4	6443.7	6472.2	6597.7	6991.8	7425.6	7776.6	7920.7	7930.1
-42.5°	5581.5	6006.6	6348.4	6547.2	6519.9	6582.7	6919.2	7374.7	7696.3	7833.6	7868.5
-45°	5459.3	5980.3	6388.6	6567.1	6582.9	6553.0	6811.6	7220.1	7557.2	7823.4	7903.9
-47.5°	5118.3	5677.1	6157.4	6465.9	6606.0	6606.5	6774.0	7178.9	7574.3	7927.9	8188.9
-50°	4707.1	5262.4	5786.4	6181.0	6504.4	6634.7	6772.3	7232.9	7813.1	8443.5	9060.6
-52.5°	4337.3	4809.8	5303.6	5706.1	6040.1	6304.9	6572.1	7201.9	8104.1	8857.0	9474.8
-55°	3894.0	4301.0	4703.0	5106.4	5451.6	5856.7	6372.2	6983.6	7604.0	8051.0	8339.9
-57.5°	3399.9	3763.6	4130.5	4523.6	5006.8	5594.1	6086.1	6344.0	6526.1	6691.1	6865.7
-60°	2972.1	3252.2	3549.8	3974.7	4566.1	5107.9	5313.8	5263.5	5328.2	5533.5	5807.0
-62.5°	2562.7	2792.1	3061.5	3473.4	3996.5	4349.4	4366.8	4312.7	4406.2	4603.0	4854.4
-65°	2179.4	2354.0	2549.6	2805.6	3174.9	3467.8	3617.3	3710.2	3802.2	3927.1	4142.2
-67.5°	1813.5	1953.8	2097.1	2263.1	2455.3	2681.5	2858.3	3006.7	3149.1	3296.9	3507.6
-70°	1483.6	1601.1	1720.9	1847.5	1964.0	2102.4	2252.2	2401.6	2566.2	2739.8	2933.5
-72.5°	1186.0	1281.4	1378.4	1473.2	1562.3	1650.9	1750.3	1863.0	2001.4	2167.5	2376.2
-75°	945.5	1017.2	1086.7	1155.7	1228.3	1304.0	1376.6	1448.4	1535.5	1655.6	1831.1
-77.5°	744.4	802.7	857.1	902.5	959.3	1017.7	1073.9	1126.0	1185.2	1255.5	1355.4
-80°	597.0	630.3	675.4	715.4	758.8	805.7	850.9	882.1	926.5	966.2	1035.0
-82.5°	448.4	479.5	508.4	540.2	571.5	608.2	639.4	666.3	698.8	726.8	759.2
-85°	300.3	322.6	348.1	372.1	403.0	429.6	457.3	473.0	494.3	511.4	525.4
-87.5°	172.2	180.1	198.7	204.2	217.8	238.5	250.0	269.6	275.8	281.7	310.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	87.9	104.6	114.1	120.6	114.1	104.6	87.9	78.5	74.6	68.9	65.6
85°	399.9	513.6	593.9	617.6	593.9	513.6	399.9	320.6	282.2	252.0	232.2
82.5°	1011.3	1255.2	1418.9	1462.0	1418.9	1255.2	1011.3	823.9	715.5	633.5	578.9
80°	1914.1	2161.9	2367.7	2441.4	2367.7	2161.9	1914.1	1696.7	1534.8	1401.4	1274.3
77.5°	3208.8	3342.9	3530.3	3640.6	3530.3	3342.9	3208.8	3080.5	2810.5	2570.5	2362.0
75°	5025.6	4983.2	5195.5	5339.4	5195.5	4983.2	5025.6	5050.5	4693.4	4339.1	4043.7
72.5°	6764.9	6636.2	6892.1	7085.0	6892.1	6636.2	6764.9	7056.6	7030.7	7052.6	7010.0
70°	8536.0	8141.7	8338.9	8509.9	8338.9	8141.7	8536.0	9366.0	10056.6	10584.6	11037.9
67.5°	14635.9	13965.4	13564.1	13435.1	13564.1	13965.4	14635.9	15385.0	16143.4	17347.3	18470.7
65°	33148.2	32549.9	32045.8	31745.2	32045.8	32549.9	33148.2	33817.3	34367.3	34308.8	34568.2
62.5°	74323.7	73176.9	71841.9	71076.6	71841.9	73176.9	74323.7	74749.1	74077.5	71377.9	66343.5
60°	138877.8	139017.4	138045.9	137298.5	138045.9	139017.4	138877.8	136273.4	131087.3	123310.6	113045.8
57.5°	184385.9	185484.7	185672.6	185544.2	185672.6	185484.7	184385.9	180312.7	170544.4	157675.8	141372.7
55°	190985.1	193794.5	195115.0	195430.4	195115.0	193794.5	190985.1	185856.9	177879.9	165134.2	149351.2
52.5°	176727.6	179628.2	181124.2	181438.3	181124.2	179628.2	176727.6	171452.6	163514.5	153543.0	141072.5
50°	149691.9	152503.3	154322.6	155039.7	154322.6	152503.3	149691.9	145144.0	139265.0	132443.2	125949.3
47.5°	120700.2	121053.7	121046.8	120978.5	121046.8	121053.7	120700.2	120265.0	119068.3	117018.8	114889.7
45°	103436.7	102854.1	102143.4	102007.9	102143.4	102854.1	103436.7	103828.4	104560.8	105271.5	105437.5
42.5°	95898.2	95191.1	94739.8	94615.3	94739.8	95191.1	95898.2	96913.4	98241.9	99234.0	99594.2
40°	90395.0	89635.7	89163.8	89039.9	89163.8	89635.7	90395.0	91405.4	92625.6	94100.0	95925.2
37.5°	85154.4	84426.9	83993.1	83877.2	83993.1	84426.9	85154.4	86144.0	87340.6	88769.5	90784.2
35°	80294.6	79525.1	79081.2	78958.1	79081.2	79525.1	80294.6	81298.2	82479.3	83871.7	86079.0
32.5°	75285.1	74405.0	73886.9	73709.1	73886.9	74405.0	75285.1	76402.7	77725.1	79322.7	81480.1
30°	70296.8	69329.2	68676.4	68444.4	68676.4	69329.2	70296.8	71650.7	73106.2	74939.4	77096.9
27.5°	65645.3	64784.3	64173.8	63979.1	64173.8	64784.3	65645.3	66964.4	68377.7	70579.1	72553.7
25°	61124.6	60255.1	59671.0	59508.5	59671.0	60255.1	61124.6	62482.9	63830.3	65757.6	67761.8
22.5°	56790.2	55858.0	55284.1	55134.0	55284.1	55858.0	56790.2	57908.6	59230.1	60829.1	62657.9
20°	52537.9	51711.2	51212.3	51050.3	51212.3	51711.2	52537.9	53588.4	54739.5	56083.2	57621.9
17.5°	48420.1	47654.3	47198.4	47098.4	47198.4	47654.3	48420.1	49431.2	50415.8	51493.3	52786.6
15°	44098.0	43428.1	43007.4	42951.6	43007.4	43428.1	44098.0	44949.4	45852.1	46736.4	47813.5
12.5°	39515.3	38903.8	38526.3	38461.1	38526.3	38903.8	39515.3	40188.3	40838.6	41597.8	42447.3
10°	34606.4	34119.2	33768.7	33693.7	33768.7	34119.2	34606.4	35107.4	35600.6	36103.9	36767.7
7.5°	29554.3	29207.9	28902.5	28796.9	28902.5	29207.9	29554.3	29918.7	30243.9	30568.7	31005.0
5°	24596.9	24401.3	24245.7	24171.0	24245.7	24401.3	24596.9	24779.6	24910.2	25057.3	25253.1
2.5°	19742.8	19702.4	19655.9	19624.2	19655.9	19702.4	19742.8	19794.8	19790.5	19792.4	19795.7
0°	15046.9	15082.7	15112.8	15130.3	15112.8	15082.7	15046.9	14995.6	14912.9	14869.6	14820.3
-2.5°	11066.0	11146.2	11228.4	11335.4	11228.4	11146.2	11066.0	10977.2	10876.8	10805.9	10759.5
-5°	8772.3	8883.2	8941.1	9037.0	8941.1	8883.2	8772.3	8671.1	8566.6	8461.6	8401.5
-7.5°	8112.3	8161.6	8149.3	8178.4	8149.3	8161.6	8112.3	8041.5	7930.4	7810.4	7664.0
-10°	7998.2	7989.9	8006.8	7982.0	8006.8	7989.9	7998.2	7942.0	7849.0	7724.8	7542.7
-12.5°	7871.1	7820.1	7809.5	7800.4	7809.5	7820.1	7871.1	7856.6	7797.0	7695.4	7501.3
-15°	7639.1	7568.4	7534.3	7515.3	7534.3	7568.4	7639.1	7681.4	7634.1	7622.4	7429.3
-17.5°	7288.8	7210.6	7157.5	7161.7	7157.5	7210.6	7288.8	7354.0	7358.3	7335.1	7148.8
-20°	7075.2	6982.4	6961.0	6971.7	6961.0	6982.4	7075.2	7119.5	7144.1	7088.6	6896.2



REPORT NUMBER: P902096 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7102.9	7037.6	6973.3	6964.2	6973.3	7037.6	7102.9	7124.2	7122.6	7017.6	6762.1
-25°	7268.1	7165.3	7103.2	7089.6	7103.2	7165.3	7268.1	7281.2	7271.9	7092.3	6823.3
-27.5°	7354.8	7223.3	7175.8	7164.7	7175.8	7223.3	7354.8	7451.2	7409.7	7213.1	6932.8
-30°	7551.9	7461.2	7430.3	7418.3	7430.3	7461.2	7551.9	7587.0	7540.9	7322.8	7017.8
-32.5°	7608.4	7486.6	7437.0	7439.5	7437.0	7486.6	7608.4	7713.2	7670.3	7459.2	7184.6
-35°	7663.3	7531.5	7488.8	7491.3	7488.8	7531.5	7663.3	7786.4	7770.3	7577.5	7260.8
-37.5°	7727.5	7588.2	7524.2	7544.0	7524.2	7588.2	7727.5	7871.7	7874.4	7706.2	7376.6
-40°	7772.0	7539.1	7447.4	7463.2	7447.4	7539.1	7772.0	7930.1	7920.7	7776.6	7425.6
-42.5°	7768.7	7557.0	7420.6	7374.2	7420.6	7557.0	7768.7	7868.5	7833.6	7696.3	7374.7
-45°	7911.5	7749.1	7648.1	7624.2	7648.1	7749.1	7911.5	7903.9	7823.4	7557.2	7220.1
-47.5°	8342.3	8471.6	8525.1	8579.4	8525.1	8471.6	8342.3	8188.9	7927.9	7574.3	7178.9
-50°	9606.7	9976.4	10205.5	10345.4	10205.5	9976.4	9606.7	9060.6	8443.5	7813.1	7232.9
-52.5°	9899.6	10142.6	10295.8	10346.2	10295.8	10142.6	9899.6	9474.8	8857.0	8104.1	7201.9
-55°	8550.2	8702.5	8844.7	8898.7	8844.7	8702.5	8550.2	8339.9	8051.0	7604.0	6983.6
-57.5°	7109.9	7317.8	7463.5	7565.7	7463.5	7317.8	7109.9	6865.7	6691.1	6526.1	6344.0
-60°	6069.5	6221.4	6323.7	6376.9	6323.7	6221.4	6069.5	5807.0	5533.5	5328.2	5263.5
-62.5°	5072.1	5225.7	5360.9	5426.0	5360.9	5225.7	5072.1	4854.4	4603.0	4406.2	4312.7
-65°	4370.2	4537.6	4664.6	4730.5	4664.6	4537.6	4370.2	4142.2	3927.1	3802.2	3710.2
-67.5°	3725.1	3900.4	4045.9	4126.3	4045.9	3900.4	3725.1	3507.6	3296.9	3149.1	3006.7
-70°	3132.1	3292.2	3429.6	3504.1	3429.6	3292.2	3132.1	2933.5	2739.8	2566.2	2401.6
-72.5°	2629.3	2844.7	3014.5	3111.8	3014.5	2844.7	2629.3	2376.2	2167.5	2001.4	1863.0
-75°	2020.5	2223.5	2431.9	2560.5	2431.9	2223.5	2020.5	1831.1	1655.6	1535.5	1448.4
-77.5°	1460.3	1609.8	1751.9	1834.5	1751.9	1609.8	1460.3	1355.4	1255.5	1185.2	1126.0
-80°	1107.8	1207.6	1281.5	1302.1	1281.5	1207.6	1107.8	1035.0	966.2	926.5	882.1
-82.5°	793.7	851.7	886.2	901.5	886.2	851.7	793.7	759.2	726.8	698.8	666.3
-85°	544.9	564.9	580.0	590.2	580.0	564.9	544.9	525.4	511.4	494.3	473.0
-87.5°	317.1	325.2	337.5	343.7	337.5	325.2	317.1	310.6	281.7	275.8	269.6
-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):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	64.0	61.2	60.3	67.2	67.9	64.9	62.0	59.6	57.5	51.9	40.2
85°	229.5	219.7	219.5	205.8	187.8	167.4	148.4	135.2	130.2	121.6	110.0
82.5°	583.1	582.4	571.0	532.3	459.7	384.5	329.5	299.4	282.3	260.5	237.4
80°	1204.5	1188.4	1185.2	1129.0	999.7	844.0	657.8	563.2	511.7	459.6	417.1
77.5°	2209.0	2128.2	2080.7	1984.0	1791.0	1573.4	1310.7	1044.1	863.7	750.3	676.0
75°	3831.9	3672.9	3485.2	3192.3	2805.9	2426.7	2063.6	1701.4	1415.6	1218.9	1081.4
72.5°	6878.8	6622.4	6232.8	5605.4	4778.2	4001.9	3339.8	2829.7	2389.7	1999.4	1705.3
70°	11357.9	11322.0	10597.2	9449.6	8060.6	6758.1	5510.1	4407.1	3653.7	3046.7	2569.5
67.5°	19159.7	18896.9	17369.8	14895.1	12754.1	10957.9	9124.3	7396.3	5937.3	4446.2	3415.1
65°	33944.4	31797.0	28076.0	23493.8	20474.1	17688.7	15332.9	13139.2	10049.0	7026.3	5023.7
62.5°	61789.3	55625.5	47566.2	38926.4	32394.3	26749.6	22013.6	18340.2	14665.3	10880.9	7478.9
60°	101144.2	87316.3	74045.6	61959.9	50445.2	38997.1	28563.2	22641.6	18397.3	14305.9	10400.6
57.5°	123505.8	107369.1	93124.7	81017.5	69619.1	56100.5	39388.0	28671.5	22076.2	17539.5	13520.0
55°	131796.9	116674.6	103473.4	93652.5	85445.7	74124.0	56929.9	38874.4	26968.9	20960.2	16497.6
52.5°	128328.0	117146.5	107715.2	101033.0	95385.3	87242.7	72492.5	50815.9	33758.8	24369.9	18615.2
50°	119600.0	113121.3	108232.5	103972.3	100456.7	95356.5	84068.9	62222.3	41104.8	27514.6	20343.9
47.5°	112284.2	109563.0	107117.8	104976.6	102600.1	98611.6	89590.2	71742.9	48973.1	31267.3	21918.5
45°	105428.7	105214.5	104799.7	103991.6	102412.3	99195.1	91977.2	77647.9	55488.8	35449.4	22870.9
42.5°	100769.3	102267.2	103113.3	103603.8	102913.8	100255.9	93968.5	81924.8	62561.4	41259.9	25724.6
40°	98403.3	100551.6	103496.9	104728.2	104897.6	102702.7	97322.7	86504.4	69173.4	47330.8	29324.4
37.5°	93973.5	99008.5	104232.6	106080.9	107249.3	106386.7	101356.4	91606.4	75822.8	54847.5	33448.3
35°	89515.0	96039.5	100865.7	103744.5	105993.6	106510.2	103447.2	95165.3	81148.8	61644.1	39953.8
32.5°	85160.8	90323.8	94037.5	97276.8	100070.0	101539.4	100175.3	94904.1	83464.9	66153.1	45098.6
30°	80078.2	83457.1	86983.5	90078.0	92636.4	94480.6	94102.3	89931.0	80922.0	66863.4	48633.3
27.5°	75095.5	77981.9	81300.3	84332.2	86454.8	88137.1	88160.0	85119.8	77682.3	65486.1	49346.6
25°	69963.6	72544.8	75738.9	78549.7	80225.8	82045.4	82463.6	80459.8	74741.2	64194.4	50094.4
22.5°	64580.8	66854.5	69475.2	71805.2	73618.3	75107.2	75595.3	74144.2	69904.0	61495.6	48828.8
20°	59377.8	61077.5	63265.9	65281.7	66817.4	67946.2	68433.0	67502.8	64629.5	57920.7	46748.9
17.5°	54276.1	55610.9	57255.7	58986.1	60069.0	60842.4	61174.8	60447.9	57974.1	52582.7	43484.1
15°	48960.1	50059.6	51321.4	52541.0	53304.1	53838.8	54100.6	53508.5	51423.6	46965.7	39368.5
12.5°	43307.5	44136.9	45134.8	46023.7	46527.2	46779.8	46913.7	46336.9	44653.1	41168.2	34836.9
10°	37426.2	37958.7	38665.1	39256.0	39522.1	39695.8	39743.9	39174.1	37687.5	34650.8	29704.2
7.5°	31436.6	31662.0	32033.2	32395.0	32534.3	32629.4	32543.7	32003.3	30713.2	28130.9	24128.4
5°	25440.8	25478.2	25613.1	25700.5	25707.3	25737.9	25650.5	25154.7	24061.2	21861.1	18694.7
2.5°	19791.0	19659.9	19618.6	19549.0	19517.9	19569.9	19510.5	19081.2	18158.1	16313.6	13924.9
0°	14713.5	14472.8	14364.5	14241.8	14239.6	14355.2	14365.2	14083.2	13393.8	11900.4	10236.4
-2.5°	10697.3	10561.7	10446.3	10358.4	10476.6	10727.0	10875.0	10760.2	10234.8	9161.8	7969.6
-5°	8356.0	8276.1	8125.9	7965.0	8065.2	8259.4	8465.5	8475.6	8121.8	7412.6	6607.8
-7.5°	7507.2	7403.7	7224.8	6962.3	6850.6	6977.0	7079.3	7023.6	6777.8	6346.1	5810.9
-10°	7301.2	7106.9	6894.5	6613.6	6440.5	6451.6	6447.6	6277.5	6049.6	5726.3	5345.5
-12.5°	7225.5	6980.8	6763.3	6550.9	6416.6	6364.0	6184.5	5979.5	5705.3	5404.6	5083.7
-15°	7104.2	6842.3	6620.9	6534.2	6493.7	6354.5	6109.2	5859.5	5541.7	5223.2	4906.7
-17.5°	6902.5	6617.9	6380.9	6363.7	6434.9	6264.7	6015.5	5742.6	5399.5	5067.1	4745.2
-20°	6652.7	6357.7	6114.7	6129.8	6196.5	6013.1	5816.2	5566.8	5277.1	4953.8	4617.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6522.3	6191.8	5918.0	5919.9	5979.2	5808.0	5622.8	5433.0	5190.6	4854.1	4521.5
-25°	6490.4	6111.1	5807.2	5792.1	5821.2	5632.2	5439.5	5283.2	5081.4	4764.5	4426.2
-27.5°	6566.5	6143.3	5825.0	5781.3	5768.5	5549.2	5350.1	5167.4	4953.2	4654.2	4352.2
-30°	6633.1	6199.3	5900.5	5857.2	5780.2	5533.6	5300.8	5110.4	4879.1	4572.0	4278.2
-32.5°	6746.3	6273.2	5987.7	5907.6	5805.0	5528.7	5274.2	5095.1	4827.3	4511.6	4255.9
-35°	6828.7	6371.7	6119.5	6024.0	5863.8	5563.1	5319.2	5108.7	4838.4	4547.4	4260.2
-37.5°	6936.4	6524.5	6315.8	6244.1	6053.8	5751.6	5450.7	5192.0	4905.6	4602.2	4269.0
-40°	6991.8	6597.7	6472.2	6443.7	6274.4	5908.6	5544.5	5224.3	4928.6	4535.2	4178.7
-42.5°	6919.2	6582.7	6519.9	6547.2	6348.4	6006.6	5581.5	5180.4	4768.0	4390.0	4040.8
-45°	6811.6	6553.0	6582.9	6567.1	6388.6	5980.3	5459.3	4947.6	4511.2	4146.1	3816.5
-47.5°	6774.0	6606.5	6606.0	6465.9	6157.4	5677.1	5118.3	4601.0	4204.5	3850.0	3518.0
-50°	6772.3	6634.7	6504.4	6181.0	5786.4	5262.4	4707.1	4265.5	3887.5	3540.1	3204.4
-52.5°	6572.1	6304.9	6040.1	5706.1	5303.6	4809.8	4337.3	3923.9	3561.1	3214.4	2901.2
-55°	6372.2	5856.7	5451.6	5106.4	4703.0	4301.0	3894.0	3524.8	3182.7	2877.1	2603.4
-57.5°	6086.1	5594.1	5006.8	4523.6	4130.5	3763.6	3399.9	3101.9	2809.8	2538.2	2292.8
-60°	5313.8	5107.9	4566.1	3974.7	3549.8	3252.2	2972.1	2713.3	2461.8	2227.0	2017.9
-62.5°	4366.8	4349.4	3996.5	3473.4	3061.5	2792.1	2562.7	2342.2	2137.7	1937.9	1748.6
-65°	3617.3	3467.8	3174.9	2805.6	2549.6	2354.0	2179.4	1988.1	1821.9	1648.3	1484.8
-67.5°	2858.3	2681.5	2455.3	2263.1	2097.1	1953.8	1813.5	1659.5	1525.0	1379.3	1240.4
-70°	2252.2	2102.4	1964.0	1847.5	1720.9	1601.1	1483.6	1362.9	1259.2	1148.0	1031.7
-72.5°	1750.3	1650.9	1562.3	1473.2	1378.4	1281.4	1186.0	1097.7	1021.0	936.0	844.0
-75°	1376.6	1304.0	1228.3	1155.7	1086.7	1017.2	945.5	879.1	815.9	749.4	680.5
-77.5°	1073.9	1017.7	959.3	902.5	857.1	802.7	744.4	691.0	646.0	590.4	538.5
-80°	850.9	805.7	758.8	715.4	675.4	630.3	597.0	555.2	508.3	460.5	423.6
-82.5°	639.4	608.2	571.5	540.2	508.4	479.5	448.4	412.8	387.8	351.9	319.0
-85°	457.3	429.6	403.0	372.1	348.1	322.6	300.3	271.4	256.1	229.7	211.1
-87.5°	250.0	238.5	217.8	204.2	198.7	180.1	172.2	157.0	144.5	125.8	120.5
-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):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	38.4	36.6	34.6	31.3	28.1	26.2	24.2	22.2	24.4	23.3	20.5
85°	103.3	96.5	90.3	83.9	74.3	65.6	57.1	48.2	48.8	46.6	41.0
82.5°	217.5	196.9	177.2	160.2	138.4	124.9	114.6	105.4	95.8	82.6	67.5
80°	376.7	338.9	302.3	274.6	250.8	221.7	194.7	169.7	144.7	125.0	106.3
77.5°	597.5	510.4	470.6	433.8	389.3	336.6	295.2	264.6	226.5	179.1	145.2
75°	944.8	852.6	756.9	652.5	552.0	493.7	436.6	371.5	316.1	261.2	206.2
72.5°	1507.6	1312.1	1110.7	944.5	814.7	692.5	589.2	508.5	425.3	343.2	278.8
70°	2167.8	1804.2	1490.7	1247.5	1068.1	919.4	775.3	648.4	543.4	442.4	349.9
67.5°	2836.4	2285.5	1841.3	1523.8	1304.2	1114.1	949.1	795.5	661.3	540.5	427.4
65°	3675.0	2802.8	2199.8	1768.8	1502.0	1287.5	1093.4	929.2	776.2	636.9	503.5
62.5°	4848.4	3466.9	2579.8	2017.7	1679.2	1427.4	1223.2	1040.5	882.8	734.2	576.4
60°	6958.8	4598.0	3030.6	2289.7	1846.9	1565.0	1335.6	1147.6	980.5	829.5	659.5
57.5°	9762.9	6201.8	3949.8	2555.1	2047.5	1703.6	1450.7	1251.3	1078.8	918.4	740.9
55°	12519.0	8725.4	5219.1	3118.0	2240.9	1854.7	1575.9	1355.2	1181.6	1003.6	818.4
52.5°	14764.0	10879.4	7073.5	3940.7	2542.6	2009.0	1702.5	1467.5	1285.3	1085.9	888.6
50°	15893.7	12466.5	8696.4	5140.3	2894.2	2197.4	1839.2	1578.9	1389.1	1171.1	955.8
47.5°	16535.0	13086.8	9887.8	6239.1	3525.0	2363.9	1971.9	1703.1	1487.0	1252.8	1020.3
45°	16811.7	13103.9	10226.4	7229.2	4111.8	2634.0	2108.4	1823.6	1585.5	1332.2	1086.3
42.5°	17283.4	13169.8	10454.6	7702.7	4854.4	2870.3	2241.6	1937.6	1686.4	1415.9	1150.8
40°	18822.3	13664.9	10798.7	8249.3	5414.4	3243.3	2403.7	2057.9	1783.7	1492.4	1208.4
37.5°	20669.5	14363.2	11126.6	8652.8	5999.2	3659.5	2524.2	2171.1	1867.9	1561.5	1259.3
35°	23126.8	14980.6	11359.4	9032.9	6451.3	3981.0	2690.1	2276.1	1949.3	1612.3	1303.0
32.5°	26768.8	16309.8	11663.1	9206.8	6843.5	4381.2	2896.1	2350.6	2023.1	1656.8	1338.3
30°	29645.4	17222.5	12040.7	9483.1	7236.0	4700.2	3004.0	2409.0	2063.4	1691.4	1369.4
27.5°	32131.8	19065.2	12744.0	9922.7	7579.6	4980.4	3123.1	2452.7	2097.0	1725.6	1398.0
25°	33368.6	19616.8	12845.5	9948.6	7773.4	5212.7	3288.8	2512.6	2124.7	1761.1	1423.8
22.5°	33397.0	19684.4	12534.0	9625.8	7601.2	5253.4	3350.0	2542.0	2157.2	1794.7	1450.1
20°	32744.9	19769.2	12208.9	9199.4	7227.6	5103.3	3284.0	2564.8	2181.1	1821.8	1473.4
17.5°	31456.6	19013.6	11617.4	8651.8	6767.5	4819.8	3266.2	2576.2	2198.8	1841.7	1491.8
15°	29071.6	18028.3	10835.8	8047.6	6284.5	4561.7	3221.3	2590.1	2214.2	1854.2	1507.9
12.5°	26118.2	16694.1	10296.3	7483.6	5779.7	4258.4	3183.8	2604.3	2224.8	1866.9	1522.9
10°	22685.0	14945.4	9434.4	6929.6	5346.9	4025.2	3105.5	2605.6	2244.8	1879.3	1533.4
7.5°	18893.0	12839.1	8471.8	6316.0	4911.9	3807.7	3066.0	2609.0	2259.0	1886.1	1539.2
5°	14911.0	10614.9	7456.2	5737.0	4532.5	3631.7	3015.5	2605.2	2270.6	1894.0	1539.8
2.5°	11335.0	8557.9	6483.7	5185.8	4210.2	3512.5	2987.6	2609.4	2282.2	1899.0	1535.7
0°	8575.4	6905.0	5609.7	4689.6	3931.3	3407.0	2951.6	2606.1	2287.8	1898.6	1526.8
-2.5°	6944.9	5959.3	5086.7	4381.4	3798.1	3319.4	2924.1	2598.2	2285.7	1889.6	1516.2
-5°	5943.7	5315.3	4698.3	4131.6	3676.4	3233.1	2889.9	2584.9	2277.8	1874.4	1500.9
-7.5°	5342.2	4884.3	4408.0	3941.9	3576.5	3165.0	2854.6	2565.0	2258.5	1851.5	1480.9
-10°	4957.3	4581.8	4186.6	3825.5	3474.0	3111.2	2815.4	2540.0	2228.8	1818.2	1452.9
-12.5°	4710.3	4355.6	4038.6	3724.3	3378.6	3069.5	2777.3	2509.3	2189.1	1778.4	1419.5
-15°	4540.9	4216.0	3924.8	3626.3	3318.1	3029.5	2732.1	2473.7	2131.7	1732.0	1381.7
-17.5°	4404.1	4091.7	3824.7	3545.7	3265.8	2984.4	2691.8	2420.7	2067.1	1679.8	1340.6
-20°	4289.2	4007.0	3749.0	3485.3	3215.3	2937.1	2645.4	2352.8	2000.1	1622.5	1295.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4227.1	3953.7	3706.0	3429.4	3165.3	2877.2	2585.1	2280.2	1932.8	1569.1	1246.2
-25°	4171.9	3905.4	3660.1	3390.9	3102.0	2810.5	2518.4	2213.2	1863.6	1520.7	1197.0
-27.5°	4105.0	3845.3	3598.5	3325.1	3033.5	2738.0	2454.0	2141.8	1799.4	1471.5	1159.1
-30°	4044.0	3788.1	3532.2	3238.1	2956.0	2661.8	2377.7	2063.6	1735.2	1417.8	1117.4
-32.5°	4012.4	3747.4	3460.4	3173.0	2869.8	2582.2	2294.2	1981.8	1666.6	1361.1	1071.9
-35°	3984.8	3709.8	3418.3	3107.8	2763.6	2495.2	2203.5	1894.9	1589.8	1301.6	1024.2
-37.5°	3931.5	3664.6	3336.9	2987.0	2663.3	2388.4	2097.4	1796.1	1508.7	1241.9	977.4
-40°	3850.9	3567.4	3217.8	2843.4	2549.1	2271.5	1979.3	1691.5	1426.3	1173.8	929.6
-42.5°	3726.3	3391.0	3029.0	2690.7	2406.6	2135.8	1853.6	1581.6	1338.2	1100.9	877.5
-45°	3477.6	3143.5	2812.0	2514.9	2247.3	1985.4	1724.2	1475.6	1247.0	1023.5	820.6
-47.5°	3195.0	2873.7	2592.3	2326.1	2078.4	1831.2	1587.0	1368.2	1153.5	951.9	762.1
-50°	2906.4	2627.3	2376.2	2132.5	1905.3	1676.1	1456.6	1257.7	1056.3	874.5	704.6
-52.5°	2636.7	2387.7	2157.6	1940.1	1722.8	1517.4	1321.6	1143.1	959.3	792.5	643.5
-55°	2358.9	2138.0	1924.6	1729.5	1525.9	1352.0	1183.7	1022.6	858.3	714.9	579.3
-57.5°	2078.2	1879.7	1693.6	1511.0	1344.6	1188.1	1044.3	904.0	754.2	635.5	513.9
-60°	1817.2	1636.8	1471.0	1317.9	1168.1	1034.9	911.3	785.4	659.2	554.9	445.2
-62.5°	1564.5	1410.7	1269.0	1135.7	1005.4	894.2	784.3	678.4	563.1	474.7	375.5
-65°	1336.6	1200.3	1079.8	962.9	859.9	764.2	668.8	572.6	482.1	396.0	328.4
-67.5°	1123.3	1005.5	905.2	812.6	723.5	645.8	558.7	483.8	405.0	335.3	281.5
-70°	933.2	839.6	749.6	676.0	600.4	531.9	468.9	402.1	340.8	285.4	236.3
-72.5°	766.3	694.2	625.5	554.7	494.0	441.2	382.6	336.8	287.6	236.5	199.9
-75°	613.1	560.5	508.2	451.2	400.0	361.8	318.3	278.7	238.5	199.9	163.8
-77.5°	485.5	435.3	403.0	364.2	329.4	294.3	256.5	228.4	197.4	163.5	130.9
-80°	385.3	348.2	319.7	289.3	261.5	234.8	206.8	180.5	155.9	126.7	102.5
-82.5°	287.2	259.9	239.9	219.8	196.2	176.1	154.0	133.8	116.8	88.9	73.5
-85°	192.5	178.7	166.0	150.8	131.5	119.0	97.2	86.9	77.7	54.4	47.8
-87.5°	107.5	99.4	89.9	78.2	66.0	60.2	47.3	43.3	39.1	27.2	23.9
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.7	14.8	11.8	8.9	5.9	2.5	0.0
85°	35.3	29.5	23.7	17.8	11.9	5.0	0.0
82.5°	52.9	44.2	35.5	26.7	17.7	7.4	0.0
80°	87.0	63.2	47.2	35.5	23.6	9.9	0.0
77.5°	122.7	93.0	63.0	44.2	29.3	12.4	0.0
75°	158.2	122.5	85.7	52.9	34.9	14.8	0.0
72.5°	211.3	151.5	107.8	66.1	40.4	17.3	0.0
70°	269.8	189.5	129.2	80.1	45.7	19.7	0.0
67.5°	327.3	237.0	149.8	93.8	50.9	22.1	0.0
65°	386.0	283.7	178.4	106.9	57.3	24.5	0.0
62.5°	445.2	329.5	214.3	119.6	64.6	26.8	0.0
60°	502.0	375.5	249.2	131.6	71.7	29.2	0.0
57.5°	556.3	422.2	283.3	143.9	78.6	31.5	0.0
55°	621.7	467.6	316.4	165.9	85.2	33.8	0.0
52.5°	684.0	511.7	348.7	186.2	91.4	36.0	0.0
50°	741.1	552.0	380.6	204.9	97.4	38.3	0.0
47.5°	793.4	590.7	409.3	221.9	103.0	40.4	0.0
45°	845.9	625.7	432.7	237.1	108.3	42.6	0.0
42.5°	896.4	656.7	453.9	250.4	113.3	44.6	0.0
40°	940.4	683.8	472.8	262.9	117.9	46.7	0.0
37.5°	974.4	707.0	489.5	274.5	122.1	48.6	0.0
35°	1004.2	729.2	503.3	286.9	128.6	51.0	0.0
32.5°	1031.7	750.1	514.9	298.8	135.3	53.4	0.0
30°	1056.2	768.6	524.8	309.2	141.3	55.7	0.0
27.5°	1080.4	784.6	536.1	318.2	147.4	57.8	0.0
25°	1101.9	798.1	546.2	325.7	152.9	59.7	0.0
22.5°	1119.7	810.8	554.9	331.8	157.7	61.5	0.0
20°	1134.4	824.8	562.1	336.5	161.8	63.1	0.0
17.5°	1151.8	836.3	567.7	340.9	165.3	64.5	0.0
15°	1168.2	846.4	571.7	344.3	168.2	65.8	0.0
12.5°	1180.6	854.9	575.5	346.3	170.4	66.9	0.0
10°	1189.0	861.9	578.1	346.9	172.0	67.8	0.0
7.5°	1194.7	867.3	579.0	346.3	172.9	68.6	0.0
5°	1196.8	869.5	578.2	344.3	173.3	69.3	0.0
2.5°	1194.7	868.6	575.5	341.2	173.1	69.7	0.0
0°	1188.7	864.6	571.0	337.0	172.4	70.1	0.0
-2.5°	1178.9	859.3	569.0	336.1	172.1	70.1	0.0
-5°	1165.2	851.1	565.2	334.1	171.2	69.9	0.0
-7.5°	1147.7	840.2	559.5	331.1	169.8	69.6	0.0
-10°	1126.4	826.7	551.9	327.1	167.9	69.1	0.0
-12.5°	1102.3	810.3	542.6	322.2	165.5	68.5	0.0
-15°	1075.4	790.9	531.5	316.2	162.5	67.8	0.0
-17.5°	1046.0	769.6	518.8	309.3	159.1	66.9	0.0
-20°	1012.6	747.1	504.5	301.5	155.1	65.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	975.3	722.7	488.4	292.9	150.7	64.8	0.0
-25°	937.1	697.6	470.8	283.5	145.8	63.5	0.0
-27.5°	897.7	671.4	451.4	273.1	140.4	62.1	0.0
-30°	859.4	644.0	430.8	261.9	134.5	60.5	0.0
-32.5°	825.4	615.4	410.3	249.8	128.2	58.9	0.0
-35°	787.9	585.8	388.6	237.0	121.5	57.1	0.0
-37.5°	749.0	555.6	367.5	224.1	115.2	55.2	0.0
-40°	710.2	524.4	349.3	212.7	111.1	53.4	0.0
-42.5°	670.4	491.3	329.6	200.8	106.9	51.4	0.0
-45°	629.3	456.5	308.6	188.6	102.6	49.4	0.0
-47.5°	585.9	419.9	286.2	175.8	98.0	47.2	0.0
-50°	541.8	381.8	262.9	162.4	93.3	45.0	0.0
-52.5°	495.8	352.9	239.2	148.5	88.5	42.6	0.0
-55°	447.7	323.7	219.4	134.1	83.6	40.2	0.0
-57.5°	394.8	292.5	199.9	119.2	78.5	37.7	0.0
-60°	350.5	259.5	179.4	110.8	73.3	35.1	0.0
-62.5°	306.5	228.6	158.0	102.6	68.0	32.4	0.0
-65°	262.7	200.2	135.9	94.2	62.5	29.7	0.0
-67.5°	224.7	171.7	118.1	85.5	56.9	26.9	0.0
-70°	191.2	143.0	105.4	76.6	51.0	24.1	0.0
-72.5°	157.3	120.2	92.3	67.5	44.9	21.2	0.0
-75°	126.3	102.8	78.8	58.2	38.7	18.2	0.0
-77.5°	104.9	85.0	65.1	48.6	32.4	15.2	0.0
-80°	83.2	67.0	51.9	39.0	26.0	12.2	0.0
-82.5°	61.6	50.0	39.0	29.3	19.6	9.2	0.0
-85°	41.1	33.4	26.1	19.6	13.1	6.1	0.0
-87.5°	20.6	16.7	13.0	9.8	6.5	3.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)