

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: P571693

Luminaire Tested: **UFLD-L-CA4-370-740-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

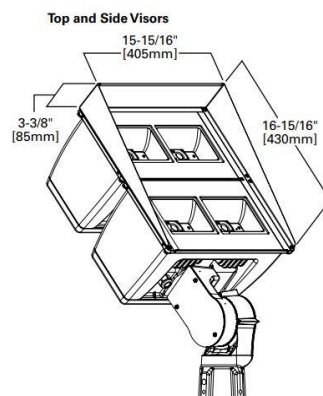
Test Information

Test Method: LM-79-08
Report Number: P571693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-370-740-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	47109 lumens	Max Intensity:	27105.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	128.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	34200.9 lumens	Field Lumens:	45792.6 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

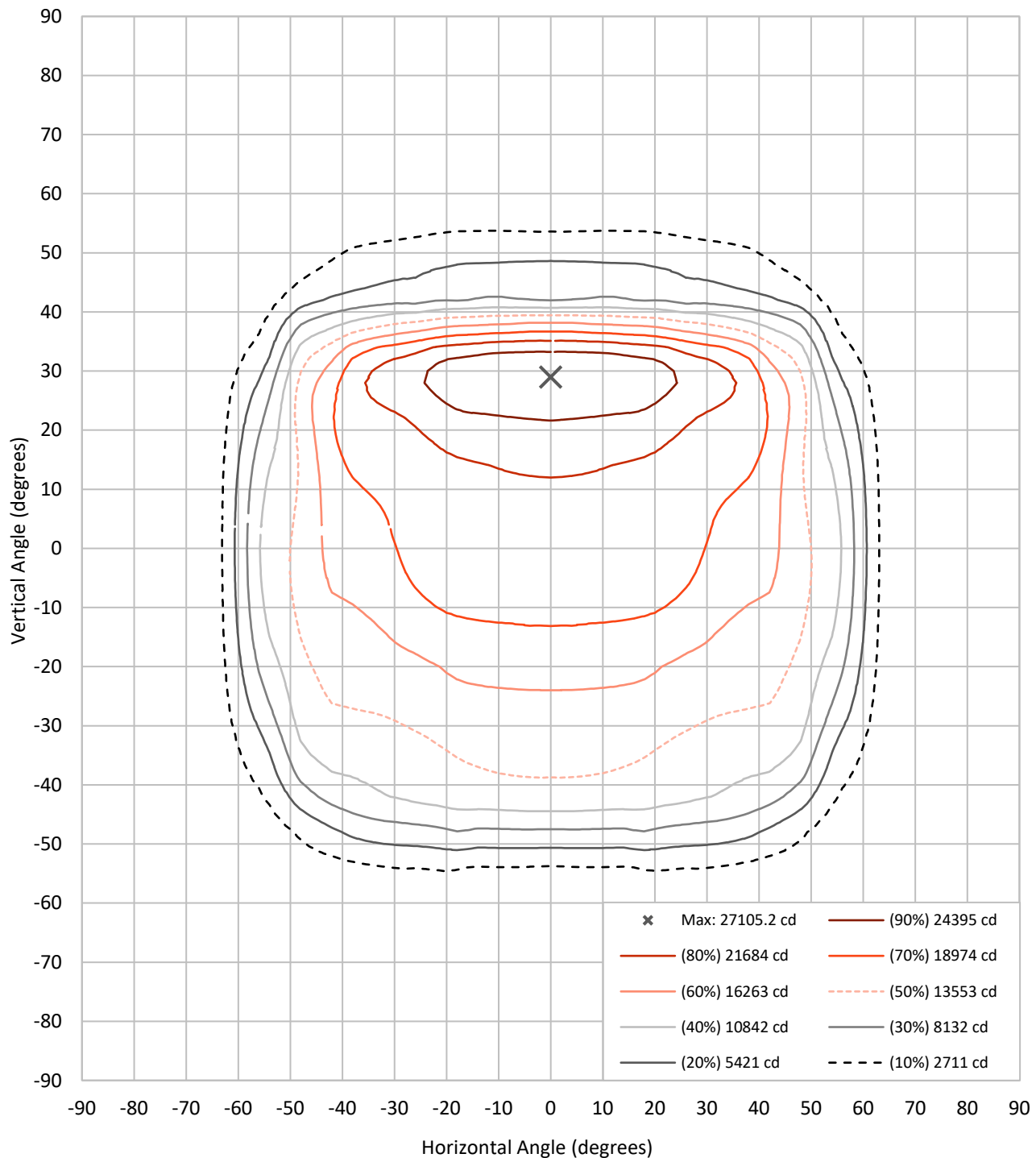
Input Watts (W): 366
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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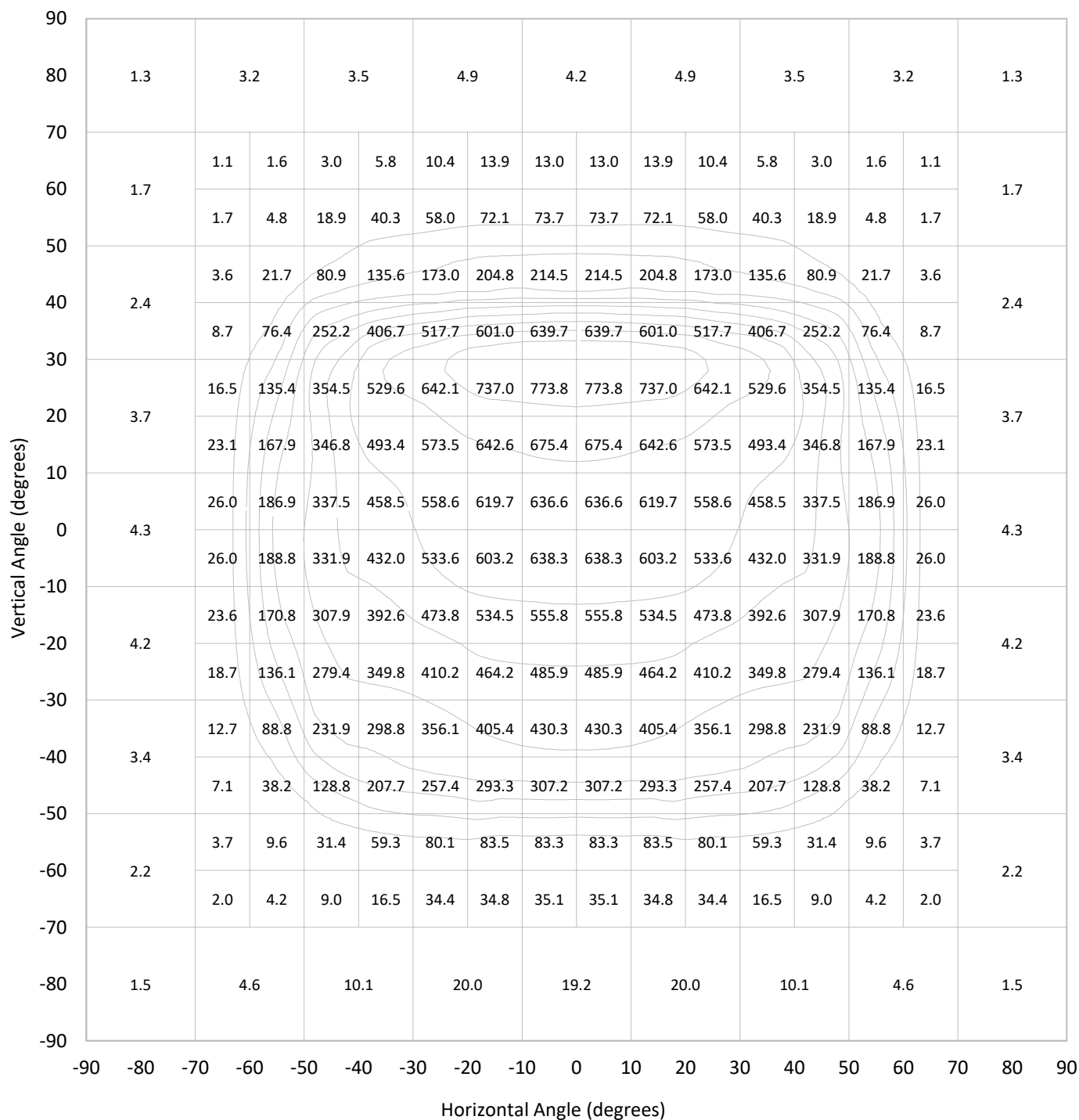
Iso-Candela Plot



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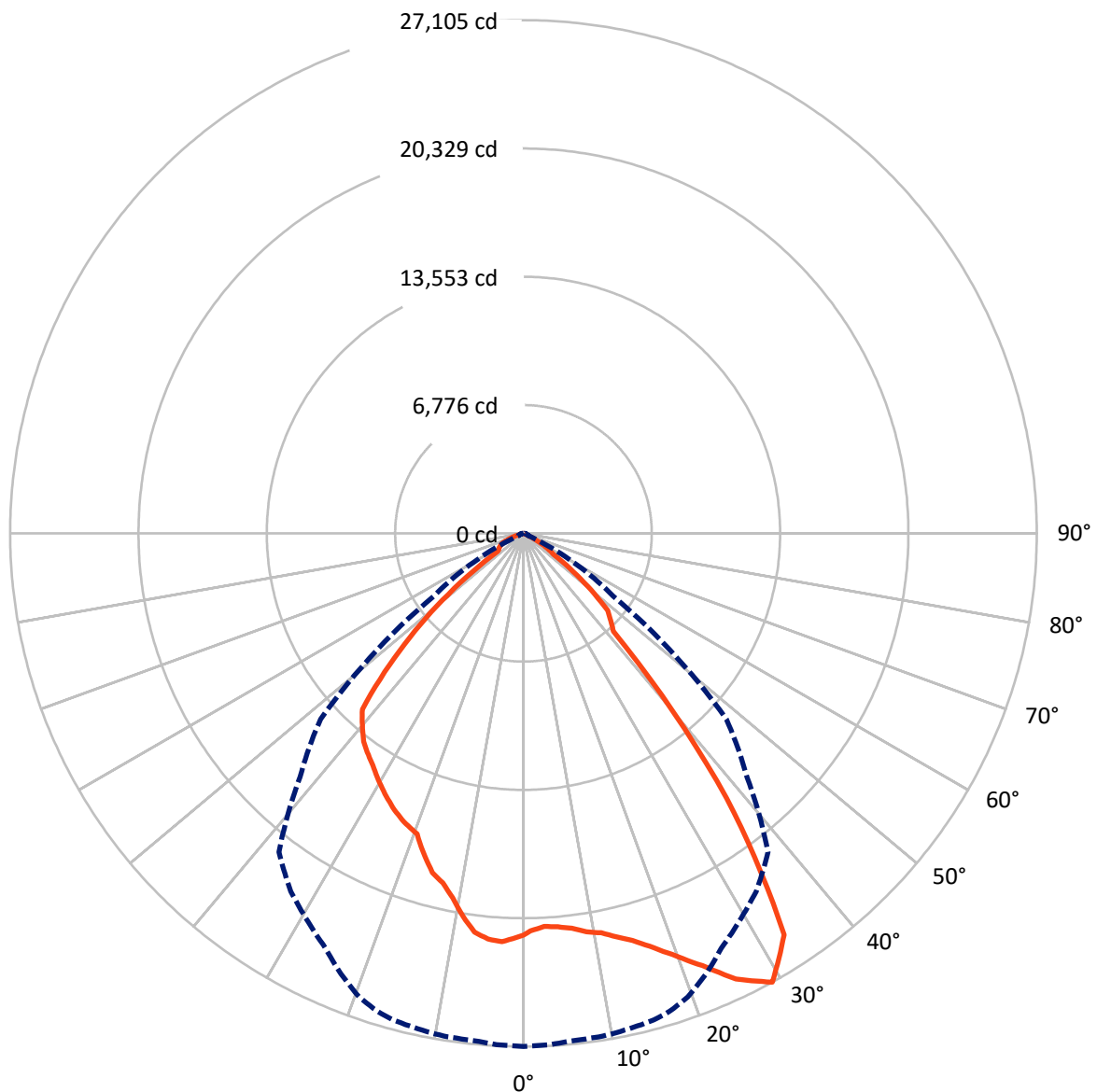
Lumen Table



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Luminous Intensity Polar Plot

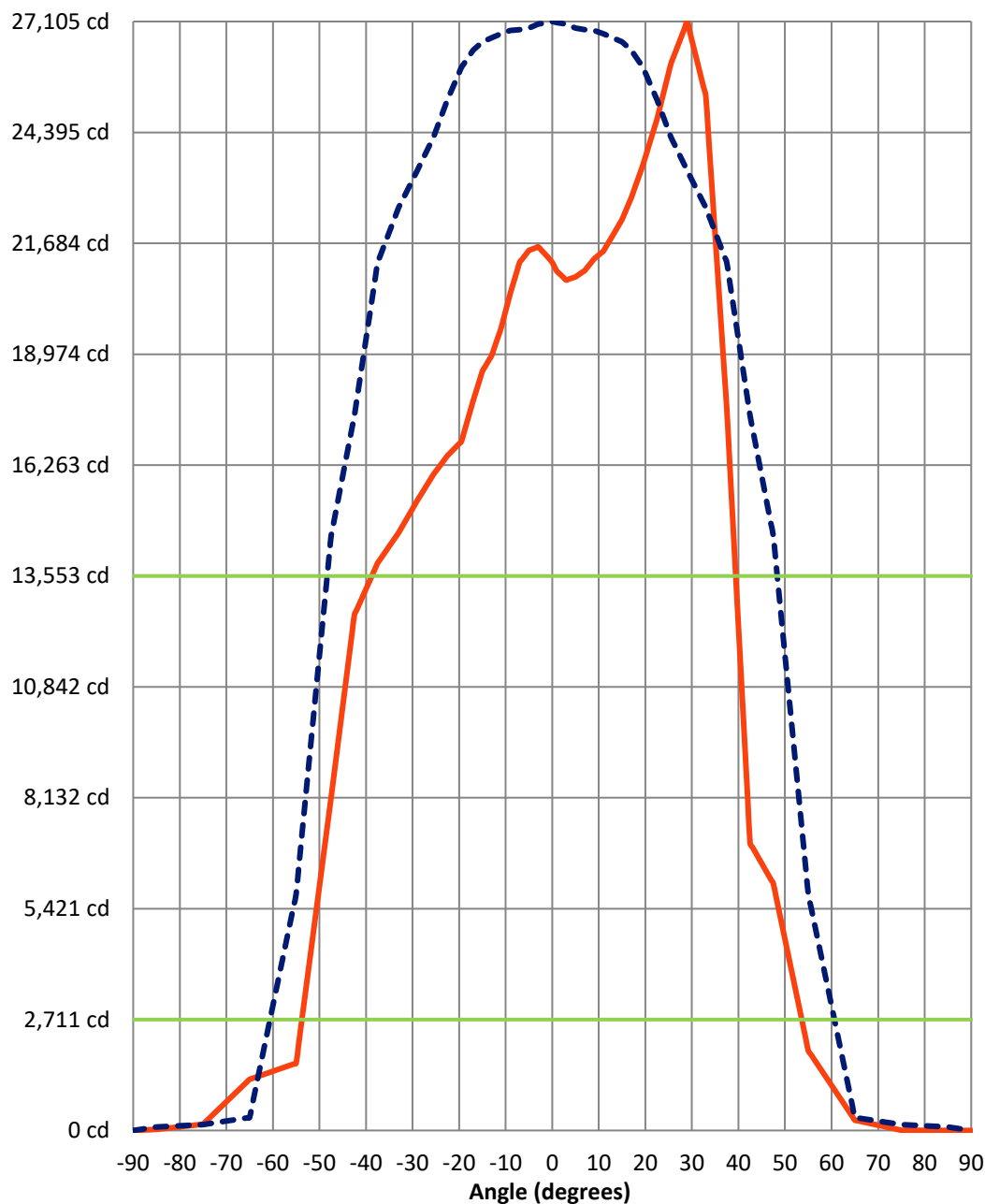


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 29-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	12.5	28.1	35.4	38.5	41.6	44.7	46.8	46.8	45.7	43.7
75°	5.2	7.3	16.6	21.8	25.0	27.0	29.1	28.1	29.1	27.0	27.0
65°	252.6	252.6	251.6	244.3	229.8	214.2	205.9	227.7	284.9	338.9	351.4
55°	1952.6	1928.7	1924.5	2007.7	2008.7	2070.1	2074.2	2090.9	2042.0	2076.3	2012.9
47.5°	6029.3	6033.4	5997.0	5973.1	5939.9	5871.2	5823.4	5789.1	5783.9	5739.2	5553.1
42.5°	7025.3	7035.7	7132.4	7189.6	7351.8	7546.2	7699.0	7517.1	7355.9	6997.2	7109.5
37.5°	17635.5	17651.1	17632.4	17595.0	17196.8	17092.8	17012.7	16776.7	16665.5	16619.7	16427.4
33°	25275.3	25372.0	25315.9	25238.9	25293.0	25236.8	25118.3	24877.1	24443.5	24223.1	23925.8
29°	27105.2	27078.2	27042.8	26945.1	26905.6	26885.8	26804.7	26708.0	26607.2	26401.3	25982.3
25.5°	26074.8	25987.5	25991.7	25899.1	25828.4	25812.8	25734.9	25623.6	25528.0	25331.5	24893.7
22.5°	24715.9	24693.1	24647.3	24565.2	24520.5	24415.5	24326.1	24229.4	24203.4	24132.7	23793.7
19.5°	23603.5	23576.4	23576.4	23533.8	23472.5	23369.5	23239.6	23142.9	23084.6	23057.6	22812.2
17°	22802.9	22777.9	22769.6	22704.1	22650.0	22555.4	22422.4	22296.5	22201.9	22152.0	21974.2
15°	22266.4	22225.8	22219.6	22190.5	22133.3	22035.6	21904.6	21788.1	21706.0	21606.2	21427.4
13°	21874.4	21827.6	21819.3	21774.6	21716.4	21625.9	21519.9	21423.2	21355.6	21251.6	21092.6
11°	21496.0	21528.2	21501.2	21459.6	21394.1	21317.1	21239.2	21177.8	21122.7	21058.3	20947.0
9°	21301.5	21236.0	21240.2	21202.8	21159.1	21104.0	21049.9	20988.6	20983.4	20977.2	20889.8
7°	21019.8	20999.0	21030.2	21009.4	20948.0	20955.3	20910.6	20922.1	20954.3	20987.6	20998.0
5°	20862.8	20850.3	20861.8	20855.5	20833.7	20842.0	20836.8	20898.1	20995.9	21165.3	21315.1
3°	20785.9	20807.7	20804.6	20806.6	20854.5	20874.2	20925.2	21013.5	21135.2	21278.7	21297.4
1°	21002.1	21027.1	21039.5	21085.3	21166.4	21170.5	21169.5	21221.5	21244.4	21582.3	21561.5
0°	21216.3	21229.8	21235.0	21240.2	21271.4	21287.0	21241.2	21227.7	21191.3	21437.7	21315.1
-1°	21355.6	21386.8	21366.0	21398.2	21428.4	21352.5	21289.1	21213.2	21164.3	21292.2	21044.7
-3°	21597.9	21575.0	21523.0	21517.8	21524.0	21403.4	21240.2	21156.0	21011.5	20938.7	20838.9
-5°	21509.5	21501.2	21439.8	21404.5	21333.8	21139.4	20979.2	20845.1	20691.2	20463.5	20314.9
-7°	21217.3	21113.4	21086.3	21029.1	20818.1	20648.6	20457.3	20303.4	20090.3	19960.3	19854.3
-9°	20463.5	20414.7	20427.2	20352.3	20100.7	19959.3	19828.3	19699.4	19570.4	19474.8	19404.1
-11°	19603.7	19515.3	19582.9	19518.4	19393.7	19333.4	19290.8	19219.0	19171.2	19108.8	19029.8
-13°	18944.5	18902.9	18959.1	18927.9	18861.4	18864.5	18853.0	18820.8	18791.7	18713.7	18574.4
-15°	18556.7	18506.8	18527.6	18538.0	18511.0	18501.6	18492.3	18457.9	18408.0	18311.3	18138.8
-17°	17827.9	17746.8	17775.9	17778.0	17772.8	17744.7	17788.4	17766.5	17757.2	17690.6	17532.6
-19.5°	16842.2	16809.0	16805.8	16811.0	16825.6	16830.8	16853.7	16852.6	16842.2	16761.1	16598.9
-22.5°	16492.9	16487.7	16469.0	16482.5	16474.2	16463.8	16457.5	16428.4	16360.9	16287.0	16094.7
-25.5°	16036.5	16027.1	16055.2	16027.1	15984.5	15961.6	15905.5	15845.2	15780.7	15730.8	15532.2
-29°	15392.9	15387.7	15364.8	15346.1	15281.6	15214.1	15122.6	15061.2	14933.3	14852.2	14615.2
-33°	14608.9	14584.0	14547.6	14520.6	14482.1	14419.7	14360.5	14250.2	14126.5	14005.9	13780.3
-37.5°	13868.7	13898.8	13870.8	13864.5	13815.6	13742.9	13656.6	13553.6	13438.2	13309.3	13103.4
-42.5°	12595.0	12598.1	12590.9	12539.9	12444.3	12363.2	12265.4	12206.2	12171.9	12098.0	11902.6
-47.5°	8129.5	8147.2	8149.2	8171.1	8127.4	8093.1	8065.0	8029.7	8017.2	8631.7	8175.2
-55°	1644.8	1652.1	1694.7	1766.5	1807.0	1827.8	1777.9	1734.2	1736.3	1923.5	2179.2
-65°	1249.7	1243.5	1239.3	1230.0	1222.7	1210.2	1221.7	1235.2	1226.9	1249.7	1276.8
-75°	152.8	153.9	154.9	153.9	140.4	153.9	171.6	165.3	173.6	179.9	178.8
-85°	26.0	25.0	34.3	42.6	46.8	55.1	62.4	67.6	69.7	70.7	70.7
-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):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.5	38.5	36.4	35.4	36.4	39.5	44.7	53.0	67.6	73.8	79.0
75°	26.0	26.0	28.1	36.4	37.4	42.6	47.8	55.1	68.6	74.9	80.1
65°	279.7	167.4	121.6	102.9	83.2	71.7	71.7	78.0	82.1	80.1	81.1
55°	1877.7	1690.6	1526.3	1409.8	1105.2	745.5	507.4	173.6	122.7	86.3	82.1
47.5°	5342.0	5020.8	4732.8	4430.2	4151.6	2986.0	1948.4	369.1	178.8	93.6	83.2
42.5°	7152.2	6181.1	6537.7	6200.8	5736.1	5200.6	4005.0	1333.9	203.8	105.0	83.2
37.5°	15665.3	15048.7	14499.8	13505.8	12276.9	10424.1	8859.4	2620.1	223.5	117.5	84.2
33°	23510.9	22351.7	21374.3	20708.9	18991.3	15047.7	12694.8	3985.2	266.2	131.0	85.3
29°	25194.2	24279.3	23458.9	22553.4	21212.1	17467.1	14524.7	5779.7	317.1	143.5	85.3
25.5°	24174.3	23377.8	22637.6	21987.8	21119.6	18341.5	15257.7	7119.9	368.1	157.0	85.3
22.5°	23081.5	22282.0	21577.1	21096.7	20706.8	18640.9	15048.7	8066.1	419.0	168.4	85.3
19.5°	22197.8	21471.0	20874.2	20512.4	20374.1	18569.2	14553.8	8892.6	476.2	178.8	86.3
17°	21394.1	20819.1	20366.8	20202.6	20104.8	18329.0	14265.8	9557.0	525.1	185.1	86.3
15°	20978.2	20480.2	20153.7	20069.5	19764.9	18049.3	14094.3	10034.2	554.2	191.3	86.3
13°	20702.7	20300.3	20076.8	19852.2	19354.2	17759.3	14010.1	10479.2	575.0	195.5	86.3
11°	20532.2	20220.3	19960.3	19540.3	18899.8	17545.1	14005.9	10853.5	585.4	199.6	87.3
9°	20583.1	20215.1	19790.9	19199.3	18535.9	17370.4	14049.6	11144.6	583.3	202.7	87.3
7°	20658.0	20235.8	19626.6	18880.1	18211.5	17268.5	14112.0	11379.6	571.8	205.9	87.3
5°	20726.6	20248.3	19544.4	18616.0	17942.2	17160.4	14192.0	11572.0	566.6	209.0	87.3
3°	20731.8	20229.6	19434.2	18355.0	17726.0	17083.4	14280.4	11724.8	561.4	211.1	87.3
1°	20653.8	20111.1	19270.0	18120.0	17565.9	17013.8	14372.9	11810.0	558.3	210.0	87.3
0°	20593.5	19992.6	19154.5	18014.0	17459.8	16967.0	14419.7	11831.9	550.0	207.9	87.3
-1°	20477.1	19899.0	19029.8	17949.5	17386.0	16898.4	14449.9	11813.2	545.8	206.9	87.3
-3°	20232.7	19629.7	18833.3	17785.3	17194.7	16752.8	14508.1	11774.7	549.0	204.8	87.3
-5°	19908.3	19357.3	18628.5	17601.2	16975.3	16567.8	14515.4	11671.8	556.2	203.8	87.3
-7°	19556.9	19044.3	18306.1	17325.7	16689.4	16297.4	14468.6	11513.7	545.8	203.8	87.3
-9°	19122.3	18592.1	17856.0	16971.2	16380.6	15991.8	14366.7	11299.6	541.7	204.8	87.3
-11°	18665.9	18105.5	17407.8	16618.7	16046.9	15674.6	14227.4	11051.1	541.7	203.8	88.4
-13°	18198.0	17616.8	16974.3	16271.4	15754.7	15307.6	14037.1	10749.5	537.5	205.9	87.3
-15°	17726.0	17137.5	16587.5	15949.1	15484.4	14987.4	13809.4	10377.3	535.4	209.0	87.3
-17°	17110.5	16603.1	16142.5	15613.3	15169.3	14695.2	13558.8	9960.4	530.3	211.1	87.3
-19.5°	16198.7	15765.1	15425.1	15086.2	14751.4	14310.5	13250.0	9364.7	516.7	212.1	87.3
-22.5°	15668.4	15224.5	14881.3	14580.9	14317.8	13964.3	12903.8	8575.5	493.9	212.1	87.3
-25.5°	15133.0	14730.6	14368.8	14058.9	13877.0	13649.3	12618.9	7699.0	476.2	209.0	87.3
-29°	14302.2	14000.7	13664.9	13350.9	13207.4	13075.4	12201.0	6557.4	465.8	202.7	87.3
-33°	13468.4	13160.6	12806.1	12438.0	12289.4	12222.8	11188.3	5069.6	464.7	191.3	87.3
-37.5°	12806.1	12480.7	12066.9	11620.8	11250.7	10965.8	9583.0	3770.0	456.4	173.6	87.3
-42.5°	11609.4	11402.5	10883.7	10529.1	9813.8	8706.5	6779.9	2445.4	419.0	145.6	86.3
-47.5°	7760.4	7515.0	7336.2	7107.4	6467.0	5030.1	3452.9	905.6	379.5	114.4	86.3
-55°	2135.6	1997.3	2106.4	1834.0	1459.8	1073.0	901.4	334.8	296.3	98.8	85.3
-65°	1383.9	1428.6	1049.1	652.9	407.6	307.8	440.8	198.6	151.8	90.5	84.2
-75°	168.4	148.7	118.5	131.0	139.3	126.8	117.5	85.3	84.2	84.2	83.2
-85°	68.6	66.5	64.5	63.4	61.3	60.3	61.3	64.5	72.8	80.1	81.1
-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):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)