

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: P571686

Luminaire Tested: **UFLD-L-CA4-320-730-U-66-TS2HW_NFFLD**

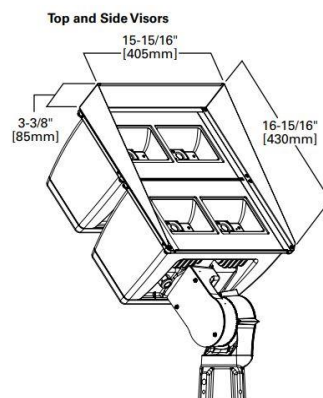
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571686
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-CA4-320-730-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

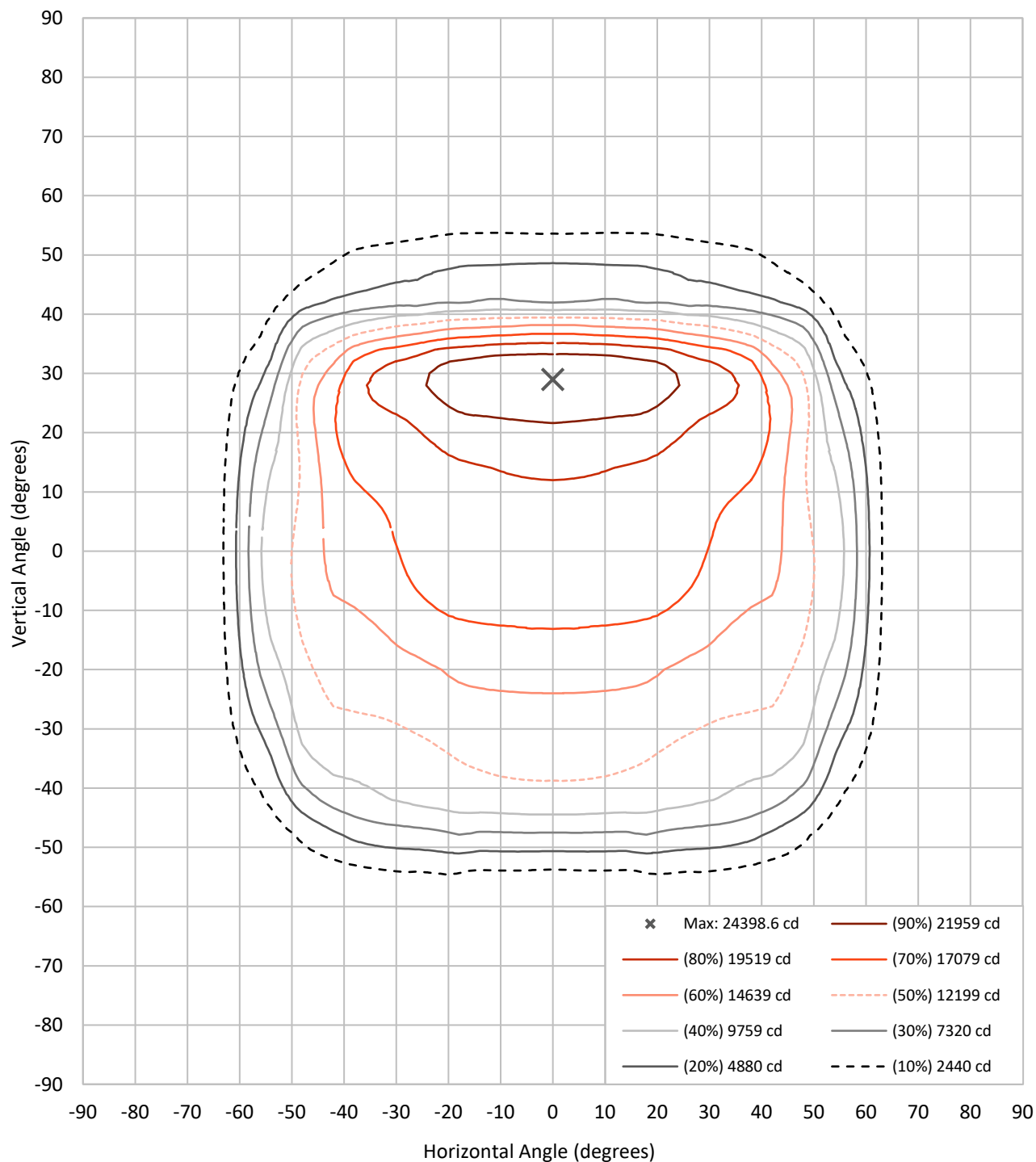
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	42405 lumens	Max Intensity:	24398.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	131.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	30785.8 lumens	Field Lumens:	41220 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	322.4		
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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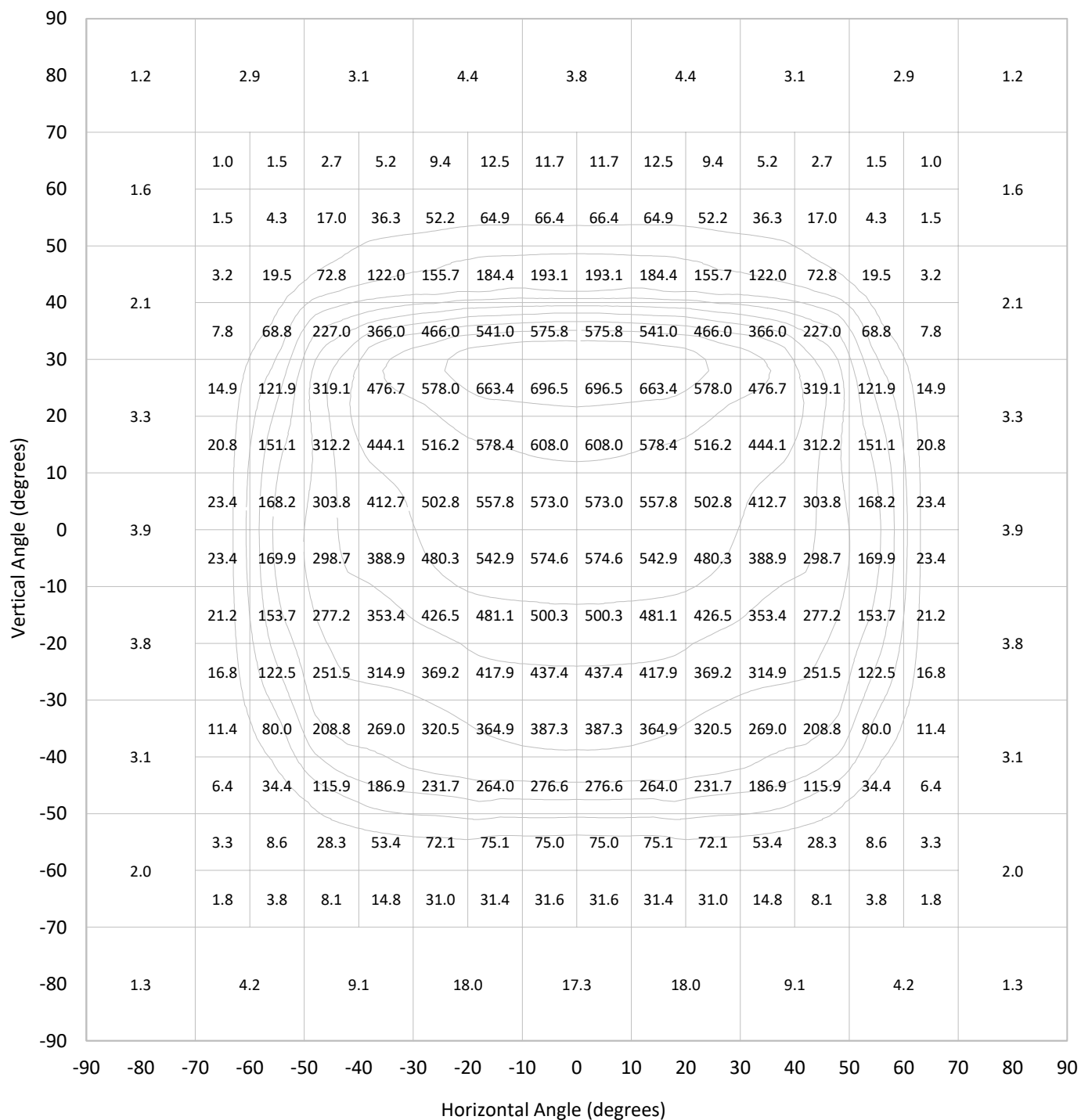
Iso-Candela Plot



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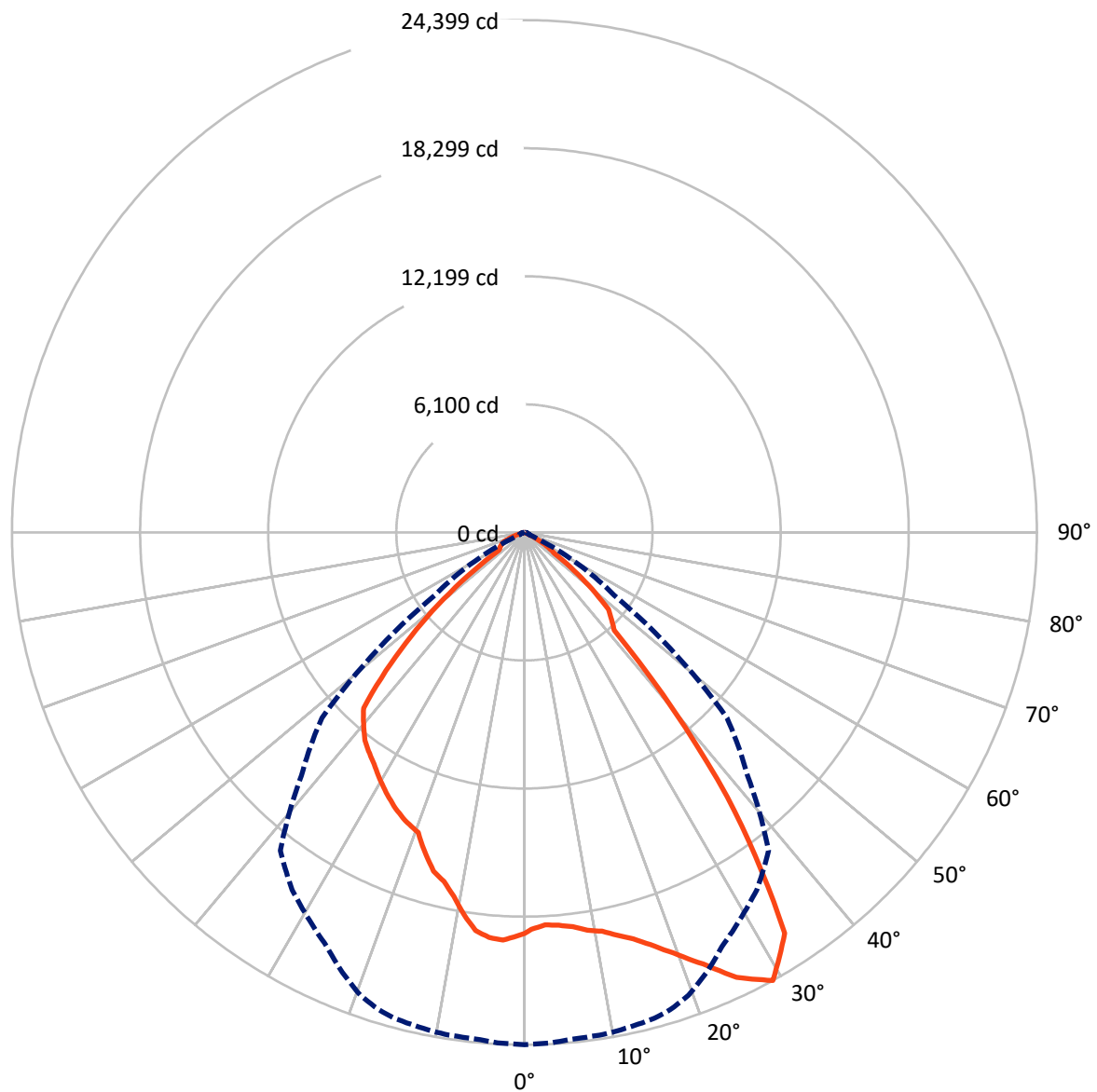
Lumen Table



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Luminous Intensity Polar Plot

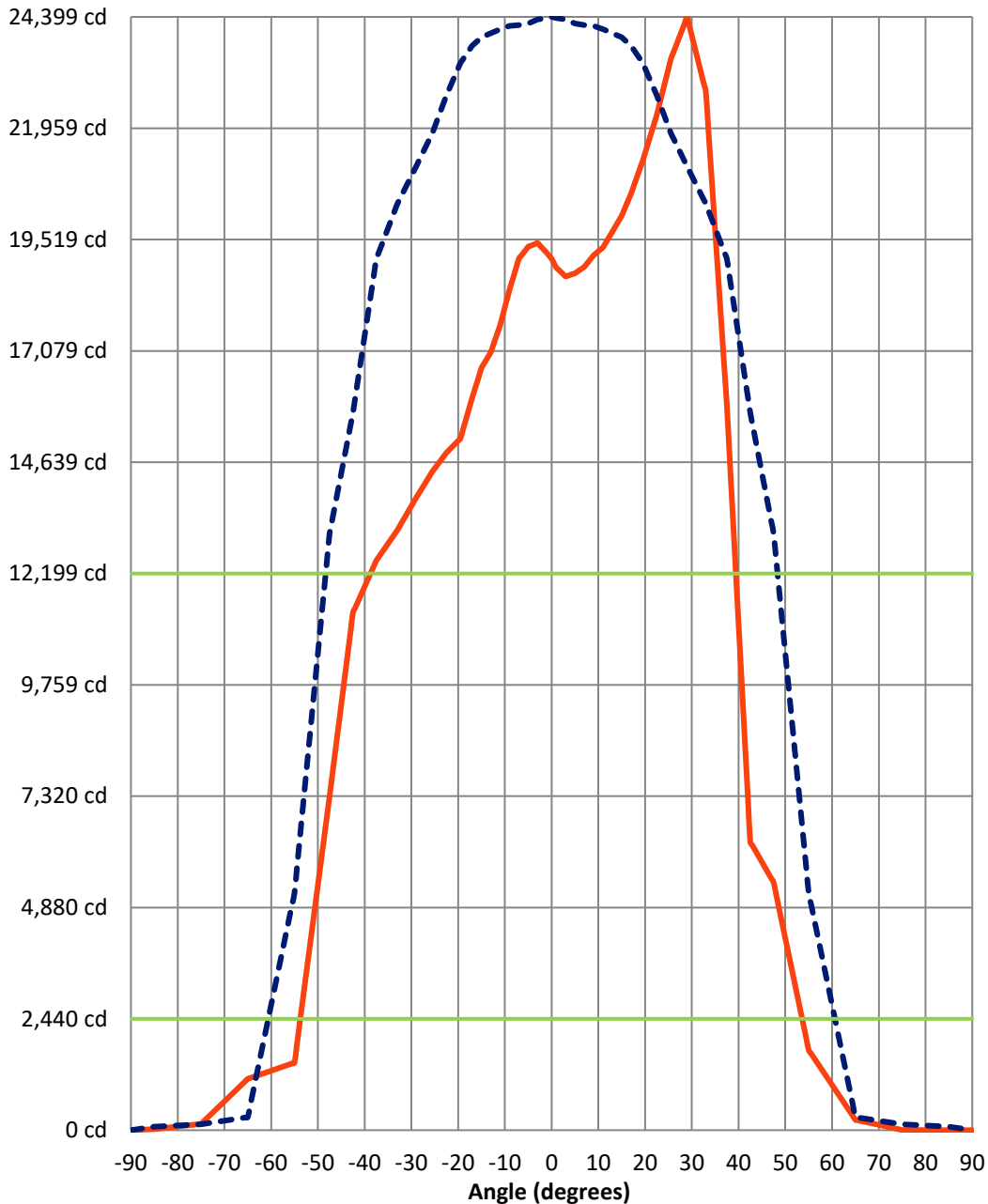


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot





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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	11.2	25.3	31.8	34.6	37.4	40.2	42.1	42.1	41.2	39.3
75°	4.7	6.6	15.0	19.7	22.5	24.3	26.2	25.3	26.2	24.3	24.3
65°	227.4	227.4	226.5	219.9	206.8	192.8	185.3	205.0	256.4	305.1	316.3
55°	1757.6	1736.1	1732.3	1807.2	1808.1	1863.4	1867.1	1882.1	1838.1	1869.0	1811.9
47.5°	5427.2	5431.0	5398.2	5376.7	5346.7	5285.0	5241.9	5211.0	5206.4	5166.1	4998.6
42.5°	6323.8	6333.2	6420.2	6471.7	6617.7	6792.7	6930.3	6766.5	6621.4	6298.5	6399.6
37.5°	15874.6	15888.6	15871.8	15838.1	15479.6	15386.0	15314.0	15101.5	15001.4	14960.2	14787.1
33°	22751.5	22838.5	22788.0	22718.7	22767.4	22716.9	22610.2	22393.0	22002.8	21804.4	21536.7
29°	24398.6	24374.3	24342.5	24254.5	24219.0	24201.2	24128.2	24041.1	23950.4	23765.1	23387.9
25.5°	23471.2	23392.6	23396.3	23313.0	23249.4	23235.3	23165.1	23065.0	22978.9	22802.0	22408.0
22.5°	22248.0	22227.4	22186.2	22112.3	22072.0	21977.5	21897.0	21810.0	21786.6	21722.9	21417.8
19.5°	21246.6	21222.2	21222.2	21183.9	21128.7	21036.0	20919.0	20832.0	20779.6	20755.2	20534.4
17°	20525.9	20503.5	20496.0	20437.0	20388.4	20303.2	20183.4	20070.2	19985.0	19940.1	19780.0
15°	20043.0	20006.5	20000.9	19974.7	19923.2	19835.3	19717.3	19612.5	19538.6	19448.7	19287.8
13°	19690.2	19648.1	19640.6	19600.3	19547.9	19466.5	19371.0	19284.0	19223.2	19129.6	18986.4
11°	19349.5	19378.5	19354.2	19316.8	19257.8	19188.6	19118.4	19063.1	19013.5	18955.5	18855.4
9°	19174.5	19115.6	19119.3	19085.6	19046.3	18996.7	18948.0	18892.8	18888.1	18882.5	18803.9
7°	18920.9	18902.2	18930.2	18911.5	18856.3	18862.9	18822.6	18832.9	18861.9	18891.9	18901.2
5°	18779.6	18768.3	18778.6	18773.0	18753.4	18760.8	18756.2	18811.4	18899.4	19051.9	19186.7
3°	18710.3	18730.0	18727.2	18729.0	18772.1	18789.9	18835.7	18915.3	19024.8	19153.9	19170.8
1°	18905.0	18927.4	18938.7	18979.8	19052.8	19056.6	19055.7	19102.4	19123.0	19427.2	19408.5
0°	19097.8	19109.9	19114.6	19119.3	19147.4	19161.4	19120.2	19108.1	19075.3	19297.1	19186.7
-1°	19223.2	19251.3	19232.5	19261.5	19288.7	19220.4	19163.3	19095.0	19051.0	19166.1	18943.3
-3°	19441.2	19420.7	19373.9	19369.2	19374.8	19266.2	19119.3	19043.5	18913.4	18847.9	18758.0
-5°	19361.7	19354.2	19299.0	19267.2	19203.5	19028.5	18884.4	18763.7	18625.1	18420.2	18286.4
-7°	19098.7	19005.1	18980.8	18929.3	18739.3	18586.8	18414.6	18276.1	18084.2	17967.2	17871.8
-9°	18420.2	18376.2	18387.4	18320.0	18093.6	17966.3	17848.4	17732.3	17616.3	17530.2	17466.5
-11°	17646.2	17566.7	17627.5	17569.5	17457.2	17402.9	17364.5	17299.9	17256.9	17200.7	17129.6
-13°	17052.8	17015.4	17066.0	17037.9	16978.0	16980.8	16970.5	16941.5	16915.3	16845.1	16719.7
-15°	16703.8	16658.8	16677.6	16686.9	16662.6	16654.2	16645.7	16614.9	16569.9	16482.9	16327.5
-17°	16047.7	15974.7	16000.9	16002.8	15998.1	15972.8	16012.1	15992.5	15984.1	15924.2	15781.9
-19.5°	15160.5	15130.5	15127.7	15132.4	15145.5	15150.2	15170.8	15169.8	15160.5	15087.5	14941.5
-22.5°	14846.0	14841.3	14824.5	14836.7	14829.2	14819.8	14814.2	14788.0	14727.2	14660.7	14487.6
-25.5°	14435.2	14426.7	14452.0	14426.7	14388.4	14367.8	14317.2	14263.0	14204.9	14160.0	13981.3
-29°	13855.8	13851.2	13830.6	13813.7	13755.7	13694.9	13612.5	13557.3	13442.2	13369.2	13155.8
-33°	13150.2	13127.7	13095.0	13070.6	13036.0	12979.9	12926.5	12827.3	12715.9	12607.4	12404.3
-37.5°	12483.8	12511.0	12485.7	12480.1	12436.1	12370.6	12292.9	12200.3	12096.4	11980.3	11795.0
-42.5°	11337.4	11340.2	11333.6	11287.8	11201.7	11128.7	11040.7	10987.3	10956.5	10890.0	10714.1
-47.5°	7317.7	7333.6	7335.5	7355.2	7315.9	7285.0	7259.7	7227.9	7216.6	7769.8	7358.9
-55°	1480.6	1487.1	1525.5	1590.1	1626.6	1645.3	1600.4	1561.1	1562.9	1731.4	1961.6
-65°	1124.9	1119.3	1115.6	1107.2	1100.6	1089.4	1099.7	1111.8	1104.4	1124.9	1149.3
-75°	137.6	138.5	139.4	138.5	126.3	138.5	154.4	148.8	156.3	161.9	161.0
-85°	23.4	22.5	30.9	38.4	42.1	49.6	56.2	60.8	62.7	63.6	63.6
-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):

	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°	36.5	34.6	32.8	31.8	32.8	35.6	40.2	47.7	60.8	66.4	71.1
75°	23.4	23.4	25.3	32.8	33.7	38.4	43.1	49.6	61.8	67.4	72.1
65°	251.8	150.7	109.5	92.7	74.9	64.6	64.6	70.2	73.9	72.1	73.0
55°	1690.2	1521.8	1373.9	1269.1	994.9	671.0	456.7	156.3	110.4	77.7	73.9
47.5°	4808.6	4519.4	4260.2	3987.8	3737.0	2687.9	1753.9	332.2	161.0	84.2	74.9
42.5°	6438.0	5563.9	5884.9	5581.6	5163.3	4681.3	3605.0	1200.7	183.4	94.5	74.9
37.5°	14101.1	13546.1	13051.9	12157.2	11051.0	9383.2	7974.7	2358.4	201.2	105.8	75.8
33°	21163.3	20119.8	19240.0	18641.1	17095.0	13545.1	11427.2	3587.3	239.6	117.9	76.7
29°	22678.5	21854.9	21116.5	20301.3	19094.0	15723.0	13074.4	5202.6	285.4	129.2	76.7
25.5°	21760.4	21043.5	20377.1	19792.2	19010.7	16510.0	13734.2	6409.0	331.3	141.3	76.7
22.5°	20776.8	20057.1	19422.5	18990.1	18639.2	16779.6	13546.1	7260.6	377.2	151.6	76.7
19.5°	19981.2	19327.1	18789.9	18464.2	18339.7	16715.0	13100.6	8004.7	428.6	161.0	77.7
17°	19257.8	18740.3	18333.1	18185.3	18097.3	16498.8	12841.3	8602.7	472.6	166.6	77.7
15°	18883.5	18435.2	18141.3	18065.5	17791.3	16247.0	12686.9	9032.3	498.8	172.2	77.7
13°	18635.4	18273.3	18072.0	17869.9	17421.6	15985.9	12611.1	9432.8	517.5	175.9	77.7
11°	18482.0	18201.2	17967.2	17589.1	17012.6	15793.1	12607.4	9769.8	526.9	179.7	78.6
9°	18527.8	18196.5	17814.7	17282.1	16685.0	15635.9	12646.7	10031.8	525.0	182.5	78.6
7°	18595.2	18215.2	17666.8	16994.8	16393.0	15544.2	12702.8	10243.3	514.7	185.3	78.6
5°	18657.0	18226.5	17592.9	16757.1	16150.7	15446.9	12774.9	10416.5	510.1	188.1	78.6
3°	18661.6	18209.6	17493.7	16522.2	15956.0	15377.6	12854.4	10554.0	505.4	190.0	78.6
1°	18591.5	18102.9	17345.8	16310.7	15811.9	15314.9	12937.7	10630.8	502.6	189.0	78.6
0°	18537.2	17996.2	17241.9	16215.2	15716.4	15272.8	12979.9	10650.4	495.1	187.2	78.6
-1°	18432.4	17912.0	17129.6	16157.2	15650.0	15211.0	13007.0	10633.6	491.3	186.2	78.6
-3°	18212.4	17669.6	16952.7	16009.3	15477.7	15080.0	13059.4	10599.0	494.1	184.4	78.6
-5°	17920.4	17424.4	16768.3	15843.7	15280.3	14913.4	13066.0	10506.3	500.7	183.4	78.6
-7°	17604.1	17142.7	16478.2	15595.7	15022.9	14670.1	13023.8	10364.0	491.3	183.4	78.6
-9°	17212.9	16735.6	16073.0	15276.5	14744.9	14394.9	12932.1	10171.3	487.6	184.4	78.6
-11°	16802.0	16297.6	15669.6	14959.3	14444.5	14109.5	12806.7	9947.6	487.6	183.4	79.6
-13°	16380.9	15857.7	15279.3	14646.7	14181.5	13779.1	12635.4	9676.2	483.9	185.3	78.6
-15°	15956.0	15426.3	14931.2	14356.6	13938.2	13490.9	12430.5	9341.1	482.0	188.1	78.6
-17°	15401.9	14945.2	14530.6	14054.3	13654.6	13227.9	12204.9	8965.8	477.3	190.0	78.6
-19.5°	14581.2	14190.9	13884.9	13579.8	13278.4	12881.6	11927.0	8429.6	465.1	190.9	78.6
-22.5°	14103.9	13704.2	13395.4	13124.9	12888.1	12569.9	11615.3	7719.2	444.5	190.9	78.6
-25.5°	13621.9	13259.7	12934.0	12655.1	12491.3	12286.4	11358.9	6930.3	428.6	188.1	78.6
-29°	12874.1	12602.7	12300.4	12017.8	11888.6	11769.8	10982.7	5902.7	419.3	182.5	78.6
-33°	12123.5	11846.5	11527.4	11196.1	11062.2	11002.3	10071.1	4563.4	418.3	172.2	78.6
-37.5°	11527.4	11234.4	10861.9	10460.4	10127.3	9870.8	8626.1	3393.5	410.9	156.3	78.6
-42.5°	10450.1	10263.9	9796.9	9477.8	8833.9	7837.1	6102.9	2201.2	377.2	131.0	77.7
-47.5°	6985.5	6764.6	6603.6	6397.7	5821.2	4527.8	3108.1	815.2	341.6	102.9	77.7
-55°	1922.3	1797.8	1896.1	1650.9	1314.0	965.8	811.4	301.4	266.7	88.9	76.7
-65°	1245.7	1285.9	944.3	587.7	366.9	277.0	396.8	178.8	136.6	81.4	75.8
-75°	151.6	133.8	106.7	117.9	125.4	114.2	105.8	76.7	75.8	75.8	74.9
-85°	61.8	59.9	58.0	57.1	55.2	54.3	55.2	58.0	65.5	72.1	73.0
-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):

	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)