

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: P571696

Luminaire Tested: **UFLD-L-CA4-390-722-U-66-TS2HW_NFFLD**

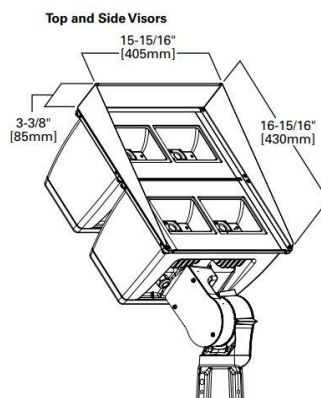
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571696
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-CA4-390-722-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

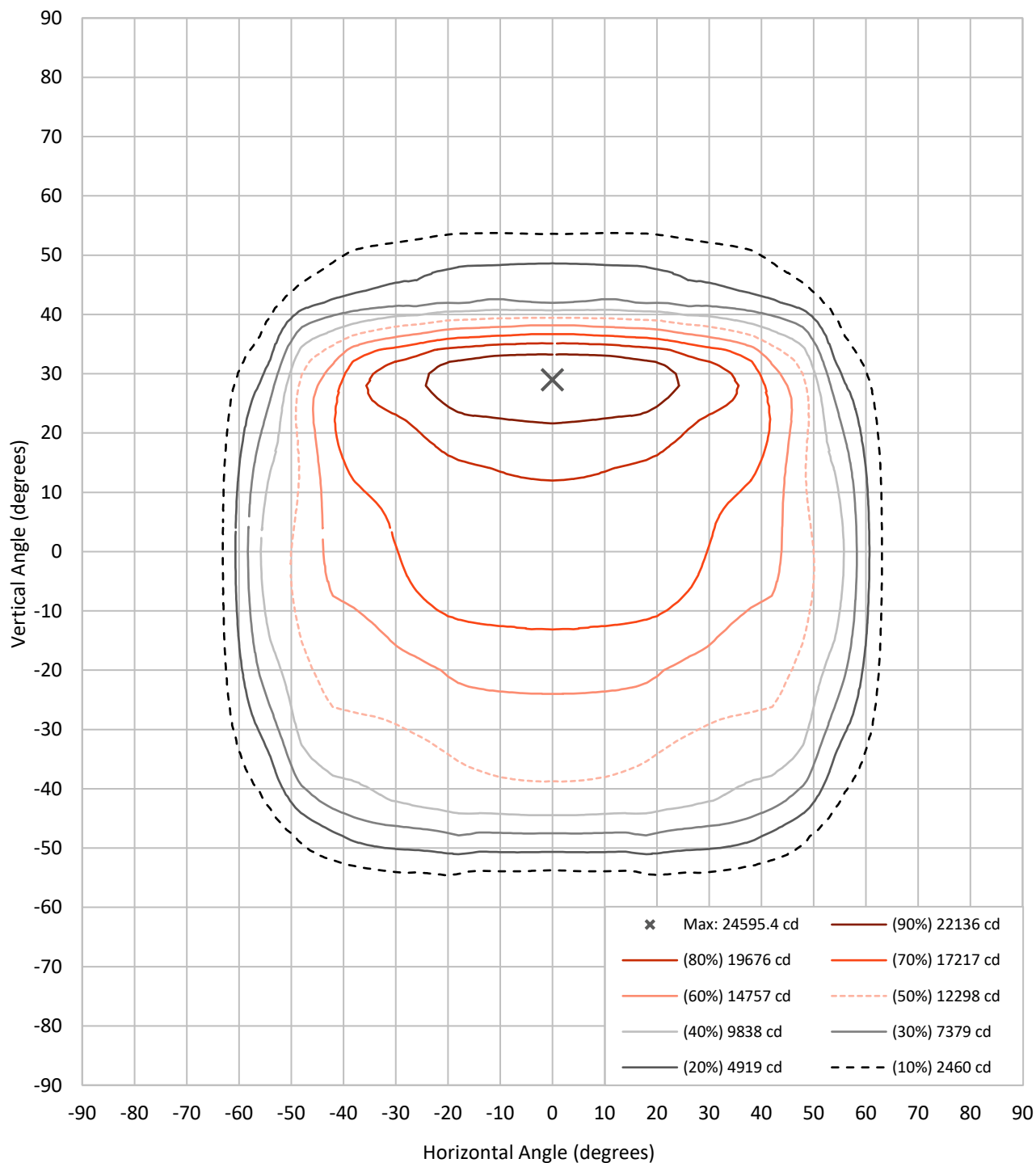
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	42747 lumens	Max Intensity:	24595.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	110.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	31034.1 lumens	Field Lumens:	41552.5 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	387.6		
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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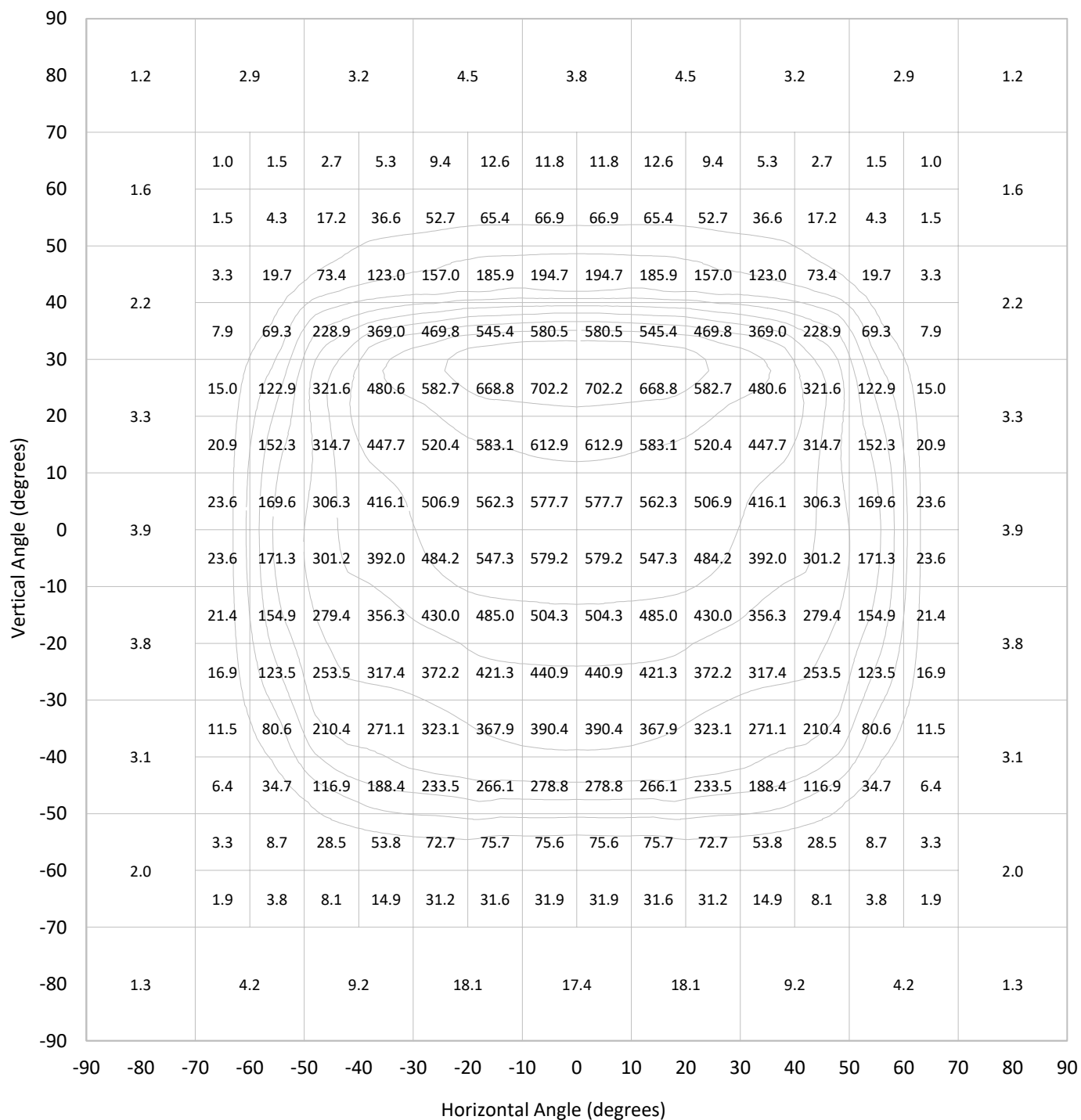
Iso-Candela Plot



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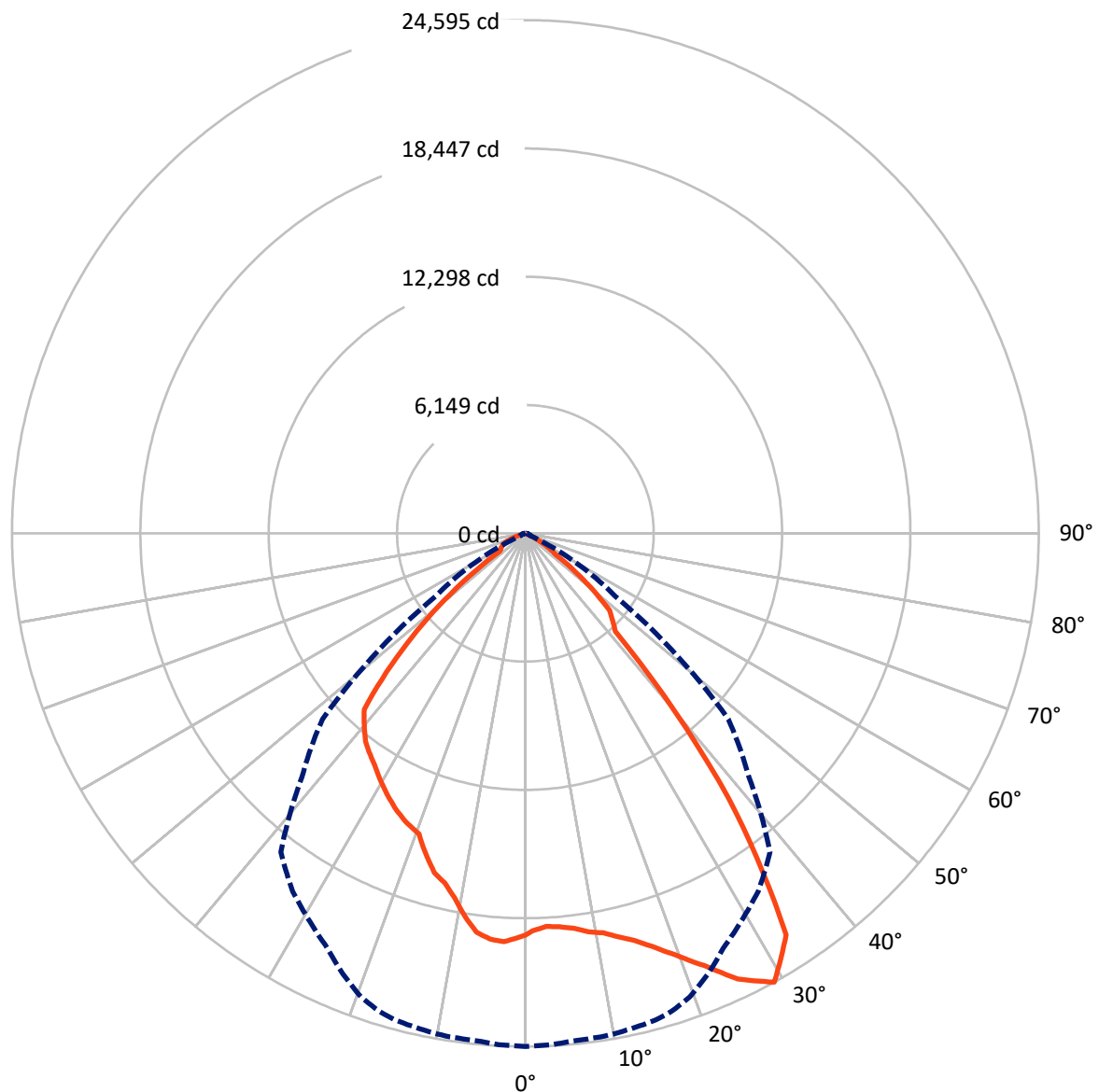
Lumen Table



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Luminous Intensity Polar Plot



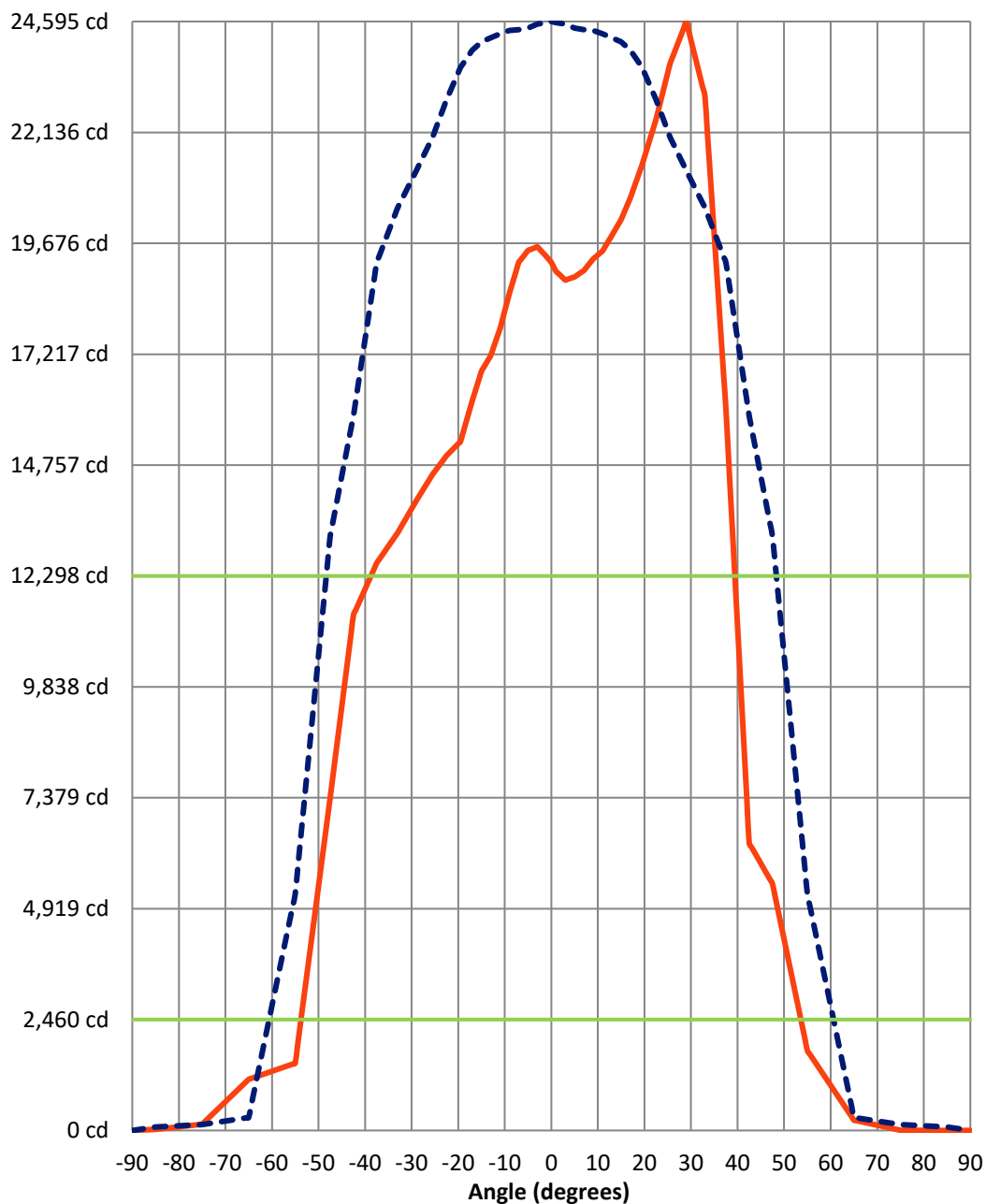
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 31034.1

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 41552.5

Efficiency: 97.2%

Spill:

Lumens: 1194.5

Efficiency: 2.8%

— 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	11.3	25.5	32.1	34.9	37.7	40.6	42.5	42.5	41.5	39.6
75°	4.7	6.6	15.1	19.8	22.6	24.5	26.4	25.5	26.4	24.5	24.5
65°	229.3	229.3	228.3	221.7	208.5	194.3	186.8	206.6	258.5	307.6	318.9
55°	1771.8	1750.1	1746.3	1821.8	1822.7	1878.4	1882.2	1897.3	1852.9	1884.0	1826.5
47.5°	5471.0	5474.8	5441.7	5420.1	5389.9	5327.6	5284.2	5253.1	5248.3	5207.8	5038.9
42.5°	6374.8	6384.2	6472.0	6523.9	6671.0	6847.5	6986.2	6821.1	6674.8	6349.3	6451.2
37.5°	16002.6	16016.7	15999.8	15965.8	15604.5	15510.1	15437.5	15223.3	15122.4	15080.9	14906.3
33°	22935.0	23022.7	22971.8	22902.0	22951.0	22900.1	22792.5	22573.6	22180.2	21980.2	21710.4
29°	24595.4	24570.9	24538.8	24450.1	24414.3	24396.4	24322.8	24235.0	24143.5	23956.7	23576.5
25.5°	23660.5	23581.2	23585.0	23501.0	23436.9	23422.7	23352.0	23251.0	23164.2	22985.9	22588.7
22.5°	22427.4	22406.7	22365.1	22290.6	22250.0	22154.8	22073.6	21985.9	21962.3	21898.1	21590.6
19.5°	21417.9	21393.4	21393.4	21354.7	21299.1	21205.7	21087.7	21000.0	20947.2	20922.6	20700.0
17°	20691.5	20668.8	20661.3	20601.9	20552.8	20466.9	20346.2	20232.0	20146.2	20100.9	19939.6
15°	20204.7	20167.9	20162.2	20135.8	20083.9	19995.2	19876.4	19770.7	19696.2	19605.6	19443.3
13°	19849.0	19806.5	19799.0	19758.4	19705.6	19623.5	19527.3	19439.5	19378.2	19283.9	19139.5
11°	19505.6	19534.8	19510.3	19472.6	19413.1	19343.3	19272.5	19216.9	19166.9	19108.4	19007.4
9°	19329.2	19269.7	19273.5	19239.5	19199.9	19149.9	19100.8	19045.2	19040.5	19034.8	18955.6
7°	19073.5	19054.6	19082.9	19064.1	19008.4	19015.0	18974.4	18984.8	19014.0	19044.2	19053.7
5°	18931.0	18919.7	18930.1	18924.4	18904.6	18912.2	18907.4	18963.1	19051.8	19205.6	19341.4
3°	18861.2	18881.0	18878.2	18880.1	18923.5	18941.4	18987.6	19067.8	19178.2	19308.4	19325.4
1°	19057.4	19080.1	19091.4	19132.9	19206.5	19210.3	19209.3	19256.5	19277.3	19583.9	19565.0
0°	19251.8	19264.1	19268.8	19273.5	19301.8	19315.9	19274.4	19262.2	19229.2	19452.7	19341.4
-1°	19378.2	19406.5	19387.6	19416.9	19444.3	19375.4	19317.8	19249.0	19204.6	19320.7	19096.1
-3°	19598.0	19577.3	19530.1	19525.4	19531.1	19421.6	19273.5	19197.1	19065.9	18999.9	18909.3
-5°	19517.8	19510.3	19454.6	19422.6	19358.4	19182.0	19036.7	18915.0	18775.4	18568.7	18433.8
-7°	19252.7	19158.4	19133.9	19082.0	18890.5	18736.7	18563.1	18423.5	18230.1	18112.1	18015.9
-9°	18568.7	18524.4	18535.7	18467.8	18239.5	18111.2	17992.3	17875.3	17758.3	17671.5	17607.4
-11°	17788.5	17708.3	17769.7	17711.2	17597.9	17543.2	17504.5	17439.5	17396.1	17339.4	17267.7
-13°	17190.4	17152.6	17203.6	17175.3	17114.9	17117.7	17107.4	17078.1	17051.7	16980.9	16854.5
-15°	16838.5	16793.2	16812.1	16821.5	16797.0	16788.5	16780.0	16748.9	16703.6	16615.8	16459.2
-17°	16177.1	16103.5	16130.0	16131.8	16127.1	16101.7	16141.3	16121.5	16113.0	16052.6	15909.2
-19.5°	15282.8	15252.6	15249.7	15254.4	15267.7	15272.4	15293.1	15292.2	15282.8	15209.2	15062.0
-22.5°	14965.8	14961.0	14944.1	14956.3	14948.8	14939.3	14933.7	14907.3	14845.9	14779.0	14604.4
-25.5°	14551.6	14543.1	14568.6	14543.1	14504.4	14483.7	14432.7	14378.0	14319.5	14274.2	14094.0
-29°	13967.6	13962.9	13942.1	13925.1	13866.7	13805.3	13722.3	13666.6	13550.6	13477.0	13261.9
-33°	13256.2	13233.6	13200.6	13176.1	13141.1	13084.5	13030.8	12930.8	12818.5	12709.1	12504.3
-37.5°	12584.5	12611.9	12586.4	12580.7	12536.4	12470.4	12392.1	12298.7	12193.9	12076.9	11890.1
-42.5°	11428.8	11431.6	11425.0	11378.8	11292.0	11218.4	11129.7	11076.0	11044.8	10977.8	10800.5
-47.5°	7376.7	7392.8	7394.7	7414.5	7374.9	7343.7	7318.2	7286.2	7274.8	7832.4	7418.3
-55°	1492.5	1499.1	1537.8	1602.9	1639.7	1658.6	1613.3	1573.7	1575.5	1745.4	1977.4
-65°	1134.0	1128.4	1124.6	1116.1	1109.5	1098.2	1108.5	1120.8	1113.3	1134.0	1158.5
-75°	138.7	139.6	140.6	139.6	127.4	139.6	155.7	150.0	157.6	163.2	162.3
-85°	23.6	22.6	31.1	38.7	42.5	50.0	56.6	61.3	63.2	64.2	64.2
-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°	36.8	34.9	33.0	32.1	33.0	35.9	40.6	48.1	61.3	67.0	71.7
75°	23.6	23.6	25.5	33.0	34.0	38.7	43.4	50.0	62.3	67.9	72.6
65°	253.8	151.9	110.4	93.4	75.5	65.1	65.1	70.8	74.5	72.6	73.6
55°	1703.8	1534.0	1385.0	1279.3	1002.9	676.4	460.4	157.6	111.3	78.3	74.5
47.5°	4847.4	4555.9	4294.5	4020.0	3767.1	2709.6	1768.0	334.9	162.3	84.9	75.5
42.5°	6489.9	5608.7	5932.3	5626.7	5204.9	4719.1	3634.1	1210.4	184.9	95.3	75.5
37.5°	14214.8	13655.3	13157.2	12255.3	11140.1	9458.9	8039.0	2377.5	202.8	106.6	76.4
33°	21334.0	20282.0	19395.2	18791.4	17232.8	13654.4	11519.4	3616.2	241.5	118.9	77.4
29°	22861.4	22031.2	21286.8	20465.1	19248.0	15849.8	13179.8	5244.6	287.7	130.2	77.4
25.5°	21935.9	21213.2	20541.5	19951.8	19164.1	16643.2	13845.0	6460.7	334.0	142.5	77.4
22.5°	20944.3	20218.8	19579.2	19143.3	18789.5	16914.9	13655.3	7319.2	380.2	152.8	77.4
19.5°	20142.4	19482.9	18941.4	18613.1	18487.6	16849.8	13206.2	8069.2	432.1	162.3	78.3
17°	19413.1	18891.4	18481.0	18331.9	18243.3	16631.9	12944.9	8672.1	476.4	167.9	78.3
15°	19035.7	18583.8	18287.6	18211.2	17934.8	16378.1	12789.2	9105.1	502.9	173.6	78.3
13°	18785.7	18420.6	18217.8	18014.0	17562.1	16114.9	12712.8	9508.9	521.7	177.4	78.3
11°	18631.0	18348.0	18112.1	17731.0	17149.8	15920.5	12709.1	9848.5	531.2	181.1	79.2
9°	18677.2	18343.3	17958.3	17421.5	16819.6	15762.0	12748.7	10112.7	529.3	184.0	79.2
7°	18745.2	18362.1	17809.3	17131.9	16525.3	15669.6	12805.3	10325.9	518.9	186.8	79.2
5°	18807.4	18373.5	17734.7	16892.3	16280.9	15571.4	12877.9	10500.5	514.2	189.6	79.2
3°	18812.2	18356.5	17634.7	16655.5	16084.7	15501.6	12958.1	10639.1	509.5	191.5	79.2
1°	18741.4	18248.9	17485.7	16442.2	15939.4	15438.4	13042.1	10716.5	506.6	190.6	79.2
0°	18686.7	18141.4	17381.0	16346.0	15843.2	15396.0	13084.5	10736.3	499.1	188.7	79.2
-1°	18581.0	18056.5	17267.7	16287.5	15776.2	15333.7	13111.9	10719.3	495.3	187.7	79.2
-3°	18359.3	17812.1	17089.4	16138.4	15602.6	15201.6	13164.7	10684.4	498.1	185.9	79.2
-5°	18064.9	17564.9	16903.6	15971.5	15403.5	15033.7	13171.3	10591.0	504.7	184.9	79.2
-7°	17746.1	17281.0	16611.1	15721.4	15144.1	14788.4	13128.9	10447.6	495.3	184.9	79.2
-9°	17351.7	16870.6	16202.6	15399.7	14863.9	14511.0	13036.4	10253.3	491.5	185.9	79.2
-11°	16937.5	16429.0	15796.0	15079.9	14561.0	14223.3	12910.0	10027.8	491.5	184.9	80.2
-13°	16513.0	15985.6	15402.6	14764.8	14295.9	13890.2	12737.4	9754.2	487.8	186.8	79.2
-15°	16084.7	15550.7	15051.6	14472.3	14050.6	13599.7	12530.7	9416.5	485.9	189.6	79.2
-17°	15526.2	15065.8	14647.8	14167.6	13764.8	13334.6	12303.4	9038.1	481.2	191.5	79.2
-19.5°	14698.8	14305.3	13996.8	13689.3	13385.5	12985.5	12023.2	8497.5	468.9	192.5	79.2
-22.5°	14217.6	13814.8	13503.4	13230.8	12992.1	12671.3	11709.0	7781.5	448.1	192.5	79.2
-25.5°	13731.7	13366.6	13038.3	12757.2	12592.1	12385.5	11450.5	6986.2	432.1	189.6	79.2
-29°	12977.9	12704.3	12399.6	12114.7	11984.5	11864.7	11071.2	5950.3	422.7	184.0	79.2
-33°	12221.3	11942.0	11620.3	11286.3	11151.4	11091.1	10152.3	4600.2	421.7	173.6	79.2
-37.5°	11620.3	11325.0	10949.5	10544.8	10208.9	9950.4	8695.7	3420.9	414.2	157.6	79.2
-42.5°	10534.4	10346.7	9875.9	9554.2	8905.1	7900.3	6152.2	2219.0	380.2	132.1	78.3
-47.5°	7041.8	6819.2	6656.9	6449.3	5868.2	4564.4	3133.2	821.7	344.4	103.8	78.3
-55°	1937.8	1812.3	1911.4	1664.2	1324.6	973.6	818.0	303.8	268.9	89.6	77.4
-65°	1255.7	1296.3	951.9	592.5	369.8	279.3	400.0	180.2	137.7	82.1	76.4
-75°	152.8	134.9	107.6	118.9	126.4	115.1	106.6	77.4	76.4	76.4	75.5
-85°	62.3	60.4	58.5	57.5	55.7	54.7	55.7	58.5	66.0	72.6	73.6
-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):

	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)