

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: P571701

Luminaire Tested: **UFLD-L-CA4-390-760-U-66-TS2HW_NFFLD**

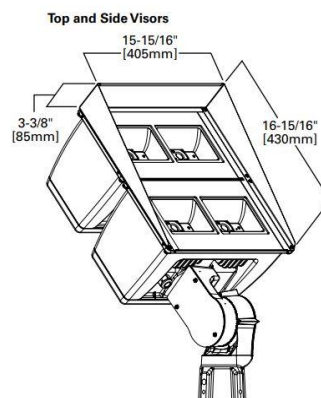
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571701
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-CA4-390-760-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

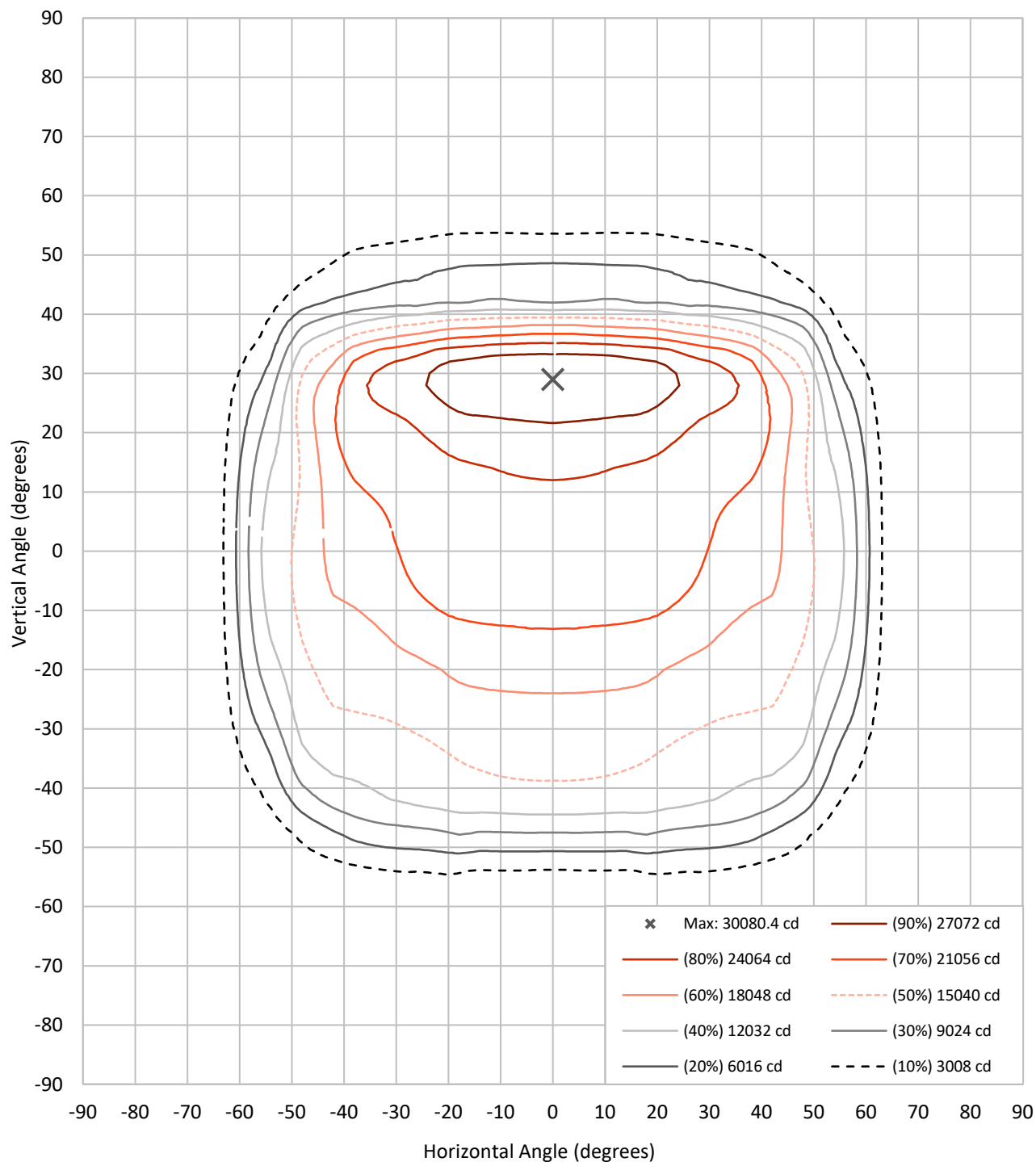
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	52280 lumens	Max Intensity:	30080.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	134.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	37955 lumens	Field Lumens:	50819.1 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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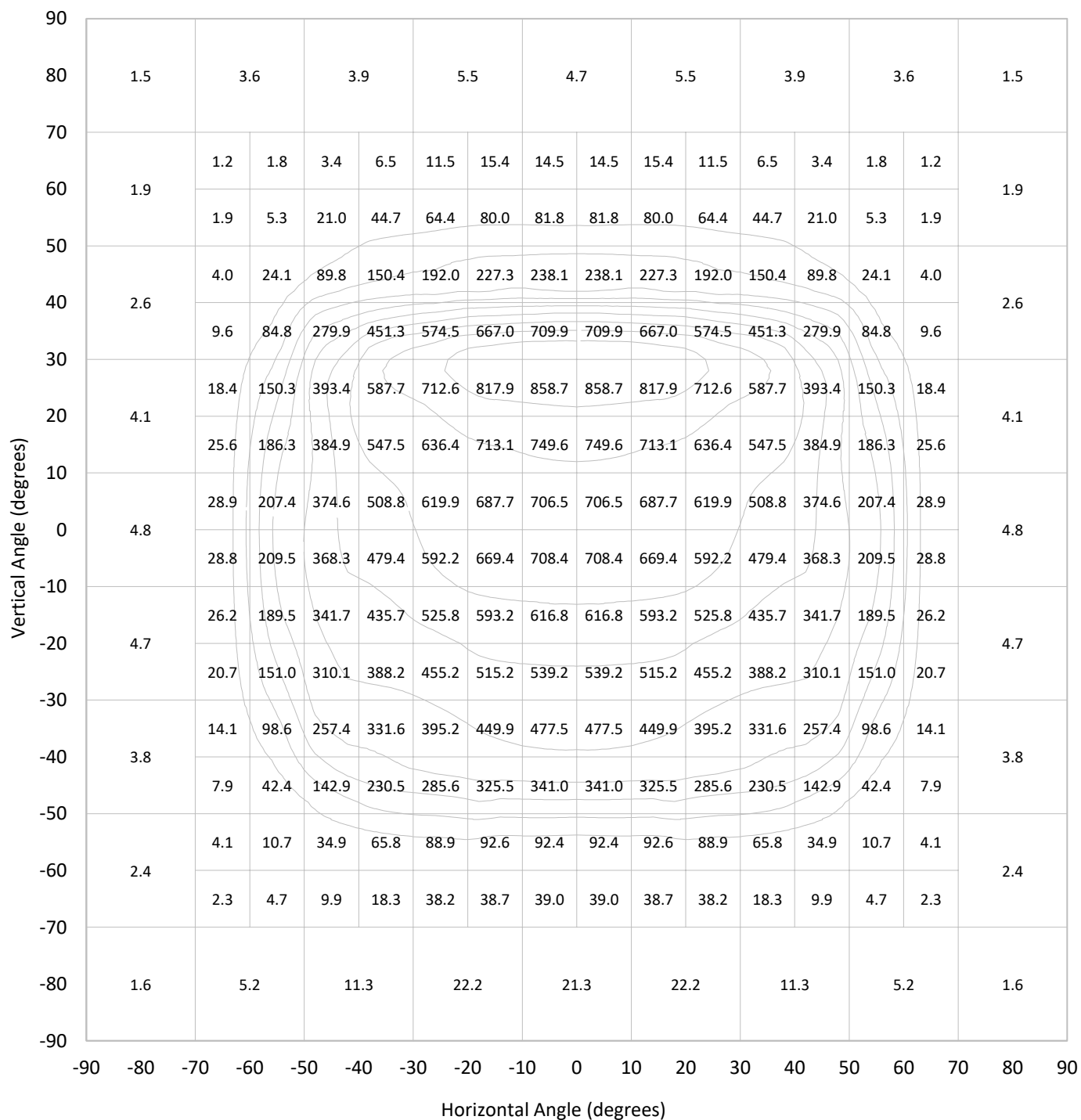
Iso-Candela Plot



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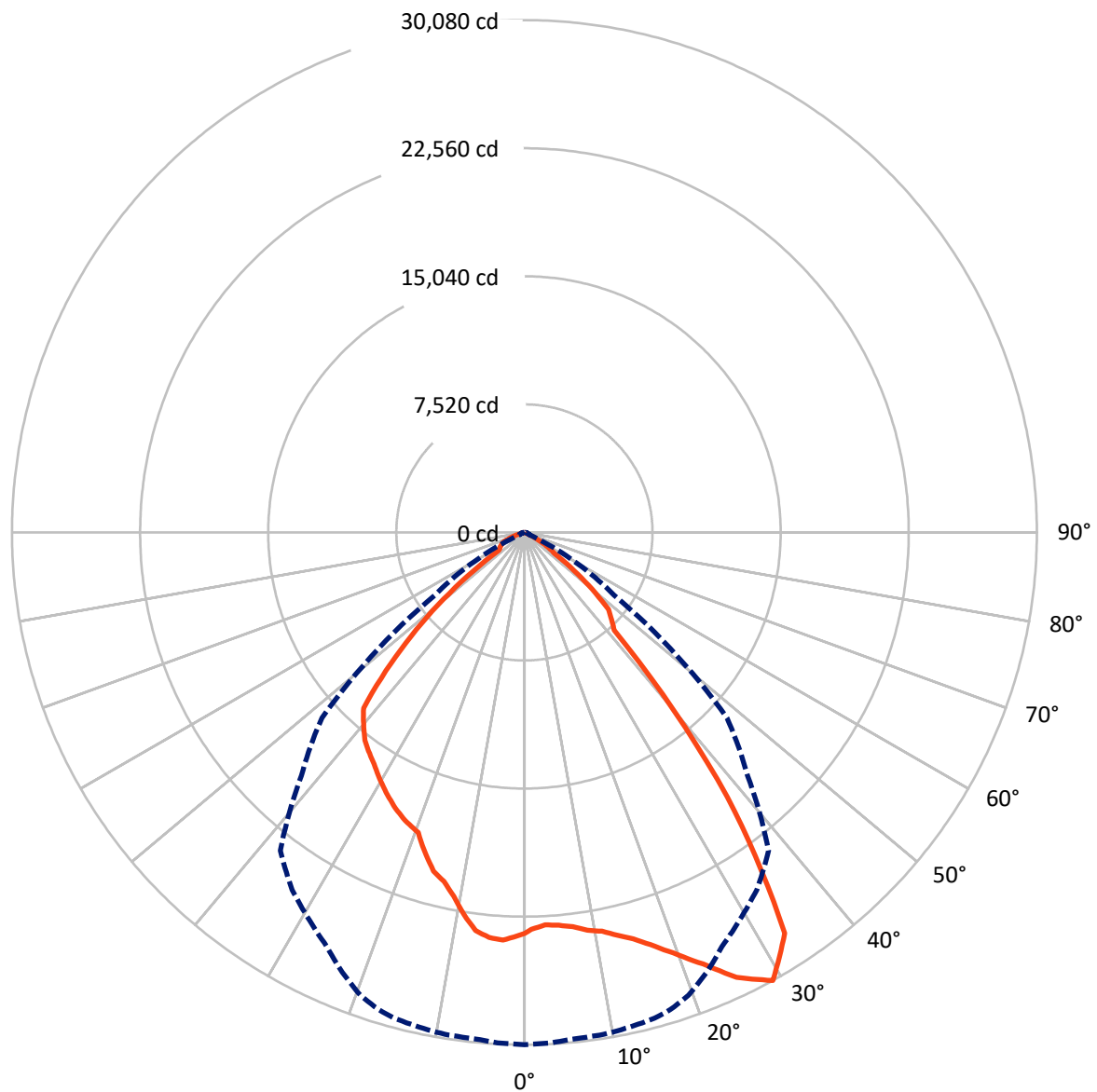
Lumen Table



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Luminous Intensity Polar Plot



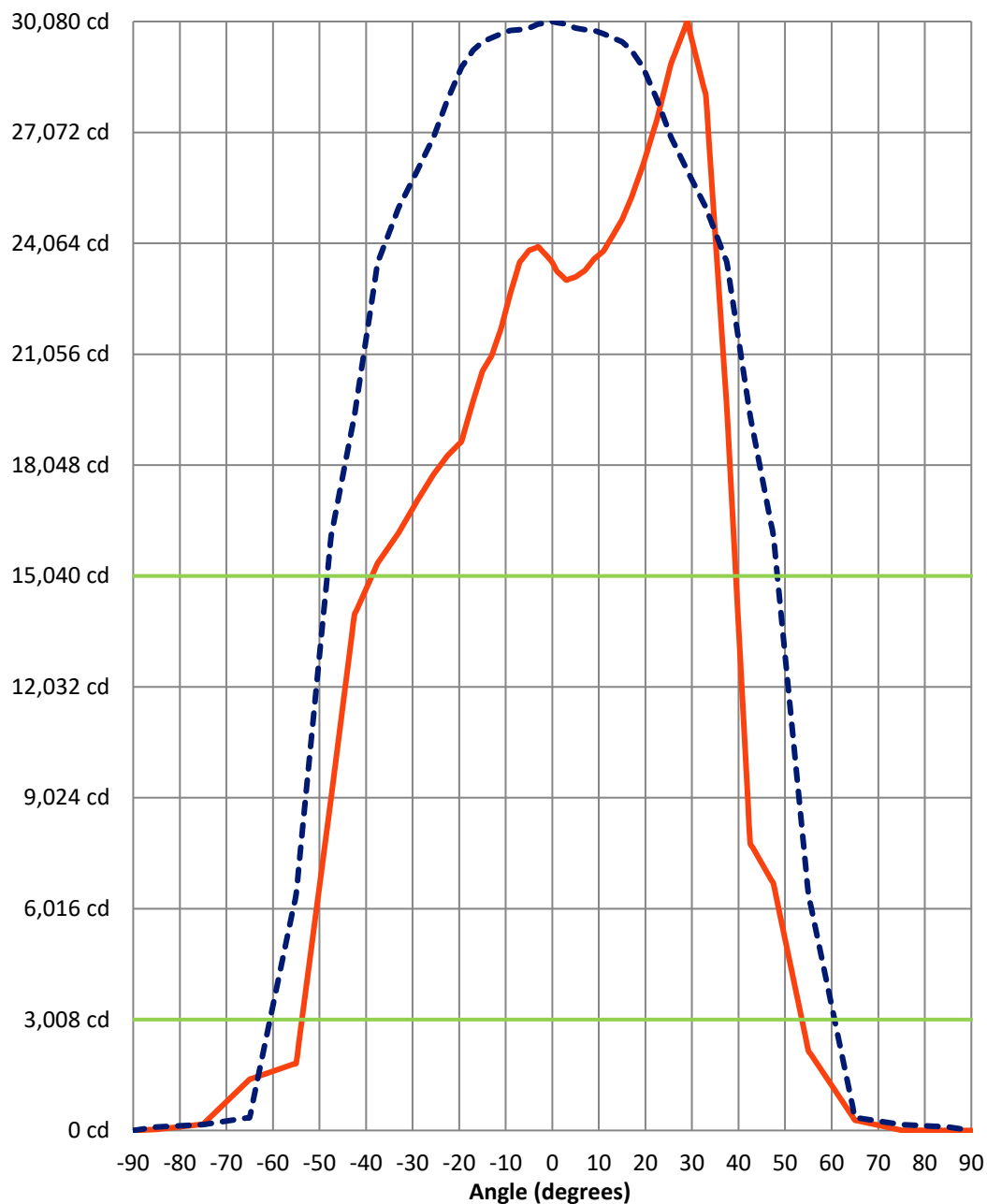
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 37955

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 50819.1

Efficiency: 97.2%

Spill:

Lumens: 1460.9

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	13.8	31.2	39.2	42.7	46.2	49.6	51.9	51.9	50.8	48.5
75°	5.8	8.1	18.5	24.2	27.7	30.0	32.3	31.2	32.3	30.0	30.0
65°	280.4	280.4	279.2	271.2	255.0	237.7	228.5	252.7	316.2	376.1	390.0
55°	2166.9	2140.4	2135.7	2228.1	2229.2	2297.3	2301.9	2320.4	2266.1	2304.2	2233.8
47.5°	6691.1	6695.7	6655.3	6628.8	6591.9	6515.7	6462.6	6424.5	6418.8	6369.2	6162.6
42.5°	7796.5	7808.0	7915.3	7978.8	8158.8	8374.5	8544.1	8342.2	8163.4	7765.3	7889.9
37.5°	19571.3	19588.6	19567.9	19526.3	19084.4	18969.0	18880.2	18618.3	18494.8	18444.0	18230.6
33°	28049.7	28157.0	28094.7	28009.3	28069.3	28007.0	27875.5	27607.8	27126.6	26882.0	26552.0
29°	30080.4	30050.4	30011.2	29902.8	29858.9	29837.0	29747.0	29639.7	29527.8	29299.3	28834.3
25.5°	28937.0	28840.1	28844.7	28742.0	28663.5	28646.2	28559.7	28436.2	28330.1	28112.0	27626.2
22.5°	27428.9	27403.6	27352.8	27261.6	27212.0	27095.5	26996.3	26888.9	26860.1	26781.6	26405.5
19.5°	26194.3	26164.3	26164.3	26117.0	26049.0	25934.7	25790.5	25683.2	25618.6	25588.6	25316.3
17°	25305.9	25278.2	25269.0	25196.3	25136.3	25031.3	24883.6	24744.0	24639.0	24583.6	24386.3
15°	24710.5	24665.5	24658.6	24626.3	24562.8	24454.4	24309.0	24179.7	24088.6	23977.8	23779.4
13°	24275.5	24223.6	24214.4	24164.7	24100.1	23999.7	23882.1	23774.7	23699.7	23584.4	23407.8
11°	23855.5	23891.3	23861.3	23815.1	23742.4	23657.1	23570.5	23502.4	23441.3	23369.8	23246.3
9°	23639.7	23567.1	23571.7	23530.1	23481.7	23420.5	23360.5	23292.4	23286.7	23279.8	23182.8
7°	23327.1	23304.0	23338.6	23315.5	23247.4	23255.5	23205.9	23218.6	23254.4	23291.3	23302.8
5°	23152.8	23139.0	23151.7	23144.8	23120.5	23129.8	23124.0	23192.1	23300.5	23488.6	23654.7
3°	23067.4	23091.7	23088.2	23090.5	23143.6	23165.5	23222.1	23320.1	23455.1	23614.4	23635.1
1°	23307.4	23335.1	23349.0	23399.8	23489.7	23494.4	23493.2	23550.9	23576.3	23951.3	23928.2
0°	23545.1	23560.1	23565.9	23571.7	23606.3	23623.6	23572.8	23557.8	23517.4	23790.9	23654.7
-1°	23699.7	23734.4	23711.3	23747.1	23780.5	23696.3	23625.9	23541.7	23487.4	23629.4	23354.8
-3°	23968.6	23943.2	23885.5	23879.7	23886.7	23752.8	23571.7	23478.2	23317.8	23237.1	23126.3
-5°	23870.5	23861.3	23793.2	23754.0	23675.5	23459.7	23282.1	23133.2	22962.4	22709.8	22544.8
-7°	23546.3	23430.9	23400.9	23337.4	23103.2	22915.1	22702.8	22532.1	22295.5	22151.3	22033.6
-9°	22709.8	22655.5	22669.4	22586.3	22307.1	22150.1	22004.8	21861.7	21718.6	21612.5	21534.0
-11°	21755.5	21657.5	21732.5	21660.9	21522.5	21455.5	21408.2	21328.6	21275.5	21206.3	21118.6
-13°	21024.0	20977.9	21040.2	21005.5	20931.7	20935.2	20922.5	20886.7	20854.4	20767.9	20613.2
-15°	20593.6	20538.2	20561.3	20572.9	20542.9	20532.5	20522.1	20484.0	20428.6	20321.3	20129.8
-17°	19784.8	19694.8	19727.1	19729.4	19723.6	19692.5	19740.9	19716.7	19706.3	19632.5	19457.1
-19.5°	18691.0	18654.0	18650.6	18656.3	18672.5	18678.3	18703.6	18702.5	18691.0	18601.0	18421.0
-22.5°	18303.3	18297.5	18276.7	18291.7	18282.5	18271.0	18264.0	18231.7	18156.7	18074.8	17861.3
-25.5°	17796.7	17786.3	17817.5	17786.3	17739.0	17713.7	17651.3	17584.4	17512.9	17457.5	17237.1
-29°	17082.5	17076.7	17051.4	17030.6	16959.0	16884.1	16782.5	16714.4	16572.5	16482.5	16219.4
-33°	16212.5	16184.8	16144.4	16114.4	16071.8	16002.5	15936.8	15814.4	15677.1	15543.3	15292.9
-37.5°	15391.0	15424.5	15393.3	15386.4	15332.1	15251.4	15155.6	15041.4	14913.3	14770.2	14541.8
-42.5°	13977.5	13981.0	13972.9	13916.4	13810.2	13720.2	13611.8	13546.0	13507.9	13426.0	13209.1
-47.5°	9021.8	9041.4	9043.7	9068.0	9019.5	8981.4	8950.3	8911.1	8897.2	9579.1	9072.6
-55°	1825.4	1833.4	1880.7	1960.4	2005.4	2028.4	1973.1	1924.6	1926.9	2134.6	2418.4
-65°	1386.9	1380.0	1375.4	1365.0	1356.9	1343.1	1355.8	1370.8	1361.5	1386.9	1416.9
-75°	169.6	170.8	171.9	170.8	155.8	170.8	190.4	183.5	192.7	199.6	198.5
-85°	28.8	27.7	38.1	47.3	51.9	61.2	69.2	75.0	77.3	78.5	78.5
-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):

	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°	45.0	42.7	40.4	39.2	40.4	43.8	49.6	58.8	75.0	81.9	87.7
75°	28.8	28.8	31.2	40.4	41.5	47.3	53.1	61.2	76.2	83.1	88.8
65°	310.4	185.8	135.0	114.2	92.3	79.6	79.6	86.5	91.2	88.8	90.0
55°	2083.8	1876.1	1693.8	1564.6	1226.5	827.3	563.1	192.7	136.2	95.8	91.2
47.5°	5928.4	5571.9	5252.3	4916.5	4607.3	3313.8	2162.3	409.6	198.5	103.8	92.3
42.5°	7937.2	6859.5	7255.3	6881.5	6365.7	5771.5	4444.6	1480.4	226.2	116.5	92.3
37.5°	17384.8	16700.6	16091.4	14988.3	13624.5	11568.3	9831.8	2907.7	248.1	130.4	93.5
33°	26091.6	24805.1	23720.5	22982.1	21075.9	16699.4	14088.3	4422.6	295.4	145.4	94.6
29°	27959.7	26944.3	26034.0	25029.0	23540.5	19384.4	16119.1	6414.2	351.9	159.2	94.6
25.5°	26827.8	25944.0	25122.4	24401.3	23437.8	20354.8	16932.5	7901.5	408.5	174.2	94.6
22.5°	25615.1	24727.8	23945.5	23412.4	22979.8	20687.1	16700.6	8951.4	465.0	186.9	94.6
19.5°	24634.4	23827.8	23165.5	22764.0	22610.5	20607.5	16151.4	9868.7	528.5	198.5	95.8
17°	23742.4	23104.4	22602.5	22420.1	22311.7	20340.9	15831.8	10606.0	582.7	205.4	95.8
15°	23280.9	22728.2	22365.9	22272.5	21934.4	20030.6	15641.4	11135.7	615.0	212.3	95.8
13°	22975.1	22528.6	22280.5	22031.3	21478.6	19708.6	15547.9	11629.5	638.1	216.9	95.8
11°	22785.9	22439.8	22151.3	21685.2	20974.4	19470.9	15543.3	12044.9	649.6	221.5	96.9
9°	22842.4	22434.0	21963.2	21306.7	20570.5	19277.1	15591.8	12367.9	647.3	225.0	96.9
7°	22925.5	22457.1	21780.9	20952.5	20210.6	19164.0	15661.0	12628.7	634.6	228.5	96.9
5°	23001.7	22470.9	21689.8	20659.4	19911.7	19044.0	15749.8	12842.2	628.8	231.9	96.9
3°	23007.4	22450.1	21567.5	20369.8	19671.7	18958.6	15847.9	13011.8	623.1	234.2	96.9
1°	22920.9	22318.6	21385.2	20109.0	19494.0	18881.3	15950.6	13106.4	619.6	233.1	96.9
0°	22854.0	22187.1	21257.1	19991.3	19376.3	18829.4	16002.5	13130.6	610.4	230.8	96.9
-1°	22724.8	22083.2	21118.6	19919.8	19294.4	18753.3	16036.0	13109.9	605.8	229.6	96.9
-3°	22453.6	21784.4	20900.5	19737.5	19082.1	18591.7	16100.6	13067.2	609.2	227.3	96.9
-5°	22093.6	21482.1	20673.2	19533.3	18838.6	18386.3	16108.7	12952.9	617.3	226.2	96.9
-7°	21703.6	21134.8	20315.6	19227.5	18521.3	18086.3	16056.8	12777.6	605.8	226.2	96.9
-9°	21221.3	20632.9	19815.9	18834.0	18178.7	17747.1	15943.7	12539.9	601.1	227.3	96.9
-11°	20714.8	20092.9	19318.6	18442.9	17808.3	17395.2	15789.1	12264.1	601.1	226.2	98.1
-13°	20195.6	19550.6	18837.5	18057.5	17484.0	16987.9	15577.9	11929.5	596.5	228.5	96.9
-15°	19671.7	19018.6	18408.3	17699.8	17184.0	16632.5	15325.2	11516.4	594.2	231.9	96.9
-17°	18988.6	18425.6	17914.4	17327.1	16834.4	16308.3	15047.1	11053.7	588.5	234.2	96.9
-19.5°	17976.7	17495.6	17118.3	16742.1	16370.6	15881.4	14704.5	10392.6	573.5	235.4	96.9
-22.5°	17388.3	16895.6	16514.8	16181.4	15889.4	15497.1	14320.2	9516.8	548.1	235.4	96.9
-25.5°	16794.1	16347.5	15946.0	15602.1	15400.2	15147.5	14004.1	8544.1	528.5	231.9	96.9
-29°	15872.1	15537.5	15164.8	14816.4	14657.2	14510.6	13540.2	7277.2	516.9	225.0	96.9
-33°	14946.8	14605.2	14211.8	13803.3	13638.3	13564.5	12416.4	5626.1	515.8	212.3	96.9
-37.5°	14211.8	13850.6	13391.4	12896.4	12485.6	12169.5	10634.9	4183.8	506.5	192.7	96.9
-42.5°	12883.7	12654.1	12078.3	11684.9	10891.0	9662.2	7524.2	2713.8	465.0	161.5	95.8
-47.5°	8612.2	8339.9	8141.5	7887.6	7176.8	5582.2	3831.9	1005.0	421.1	126.9	95.8
-55°	2370.0	2216.5	2337.7	2035.4	1620.0	1190.8	1000.4	371.5	328.8	109.6	94.6
-65°	1535.8	1585.4	1164.2	724.6	452.3	341.5	489.2	220.4	168.5	100.4	93.5
-75°	186.9	165.0	131.5	145.4	154.6	140.8	130.4	94.6	93.5	93.5	92.3
-85°	76.2	73.8	71.5	70.4	68.1	66.9	68.1	71.5	80.8	88.8	90.0
-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)