

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: P571689

Luminaire Tested: **UFLD-L-CA4-320-760-U-66-TS2HW_NFFLD**

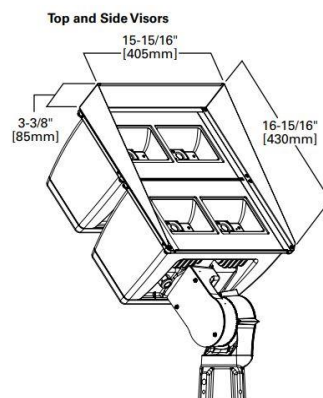
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571689
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-CA4-320-760-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

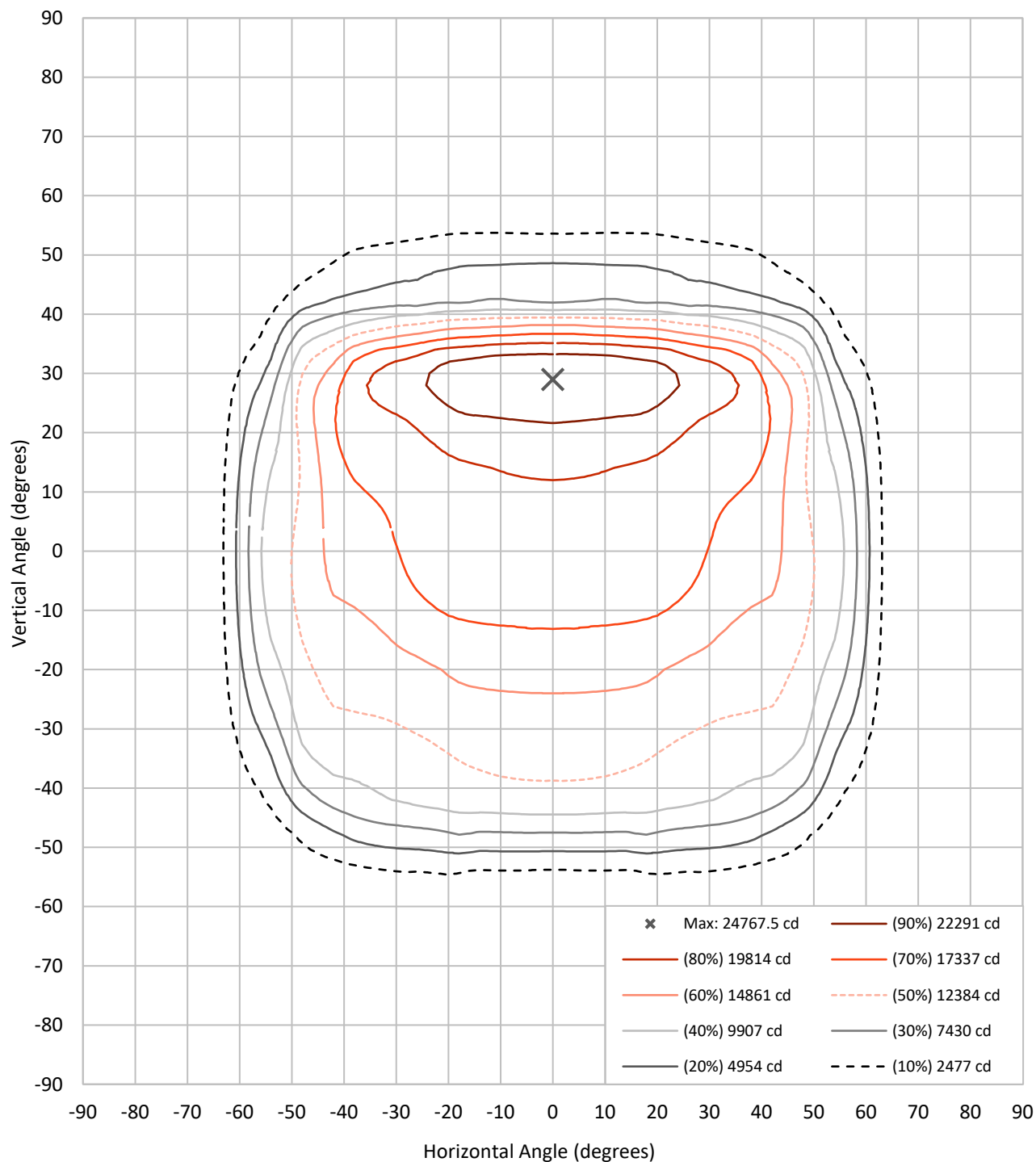
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	43046.1 lumens	Max Intensity:	24767.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	133.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	31251.2 lumens	Field Lumens:	41843.1 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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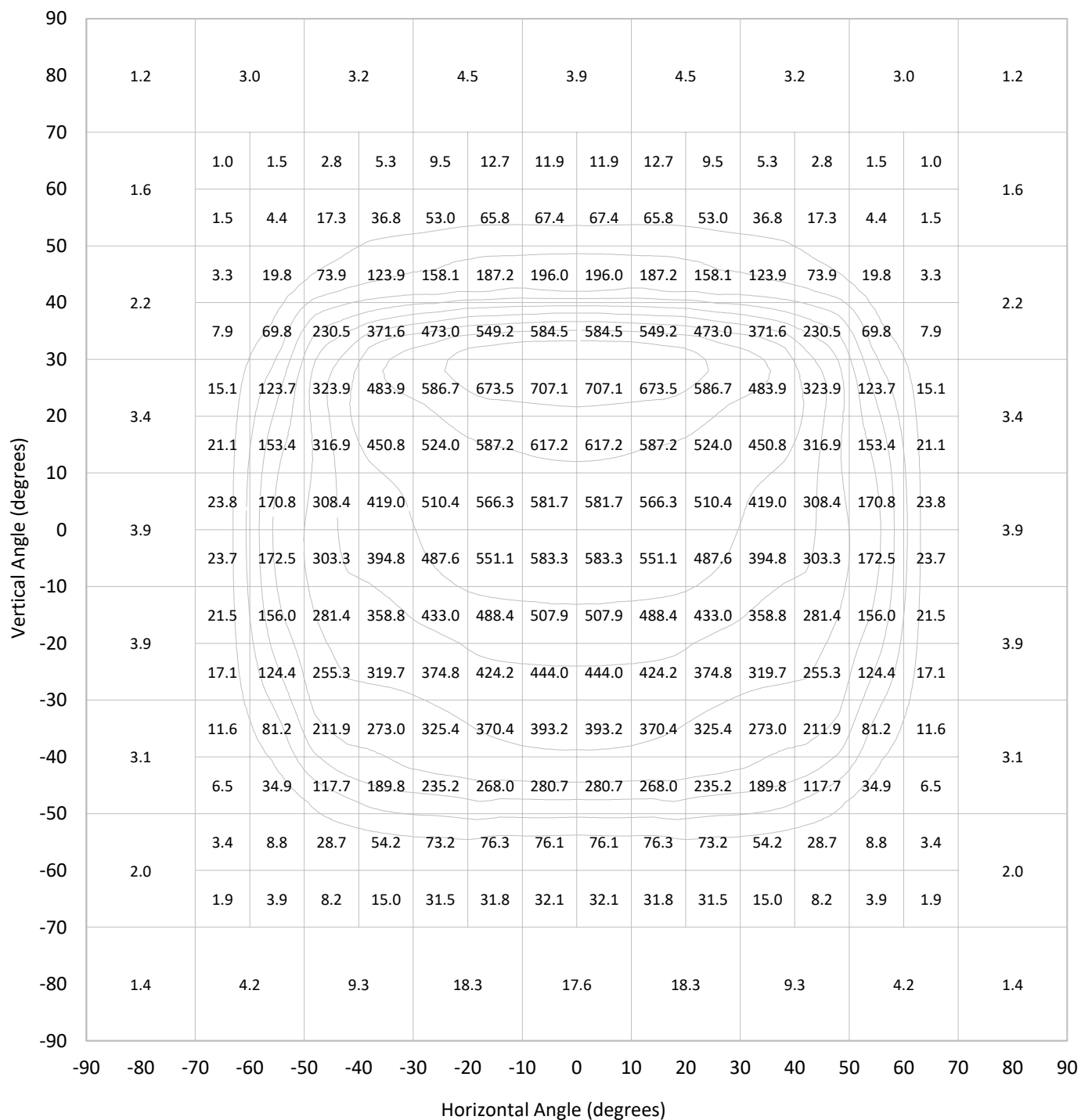
Iso-Candela Plot



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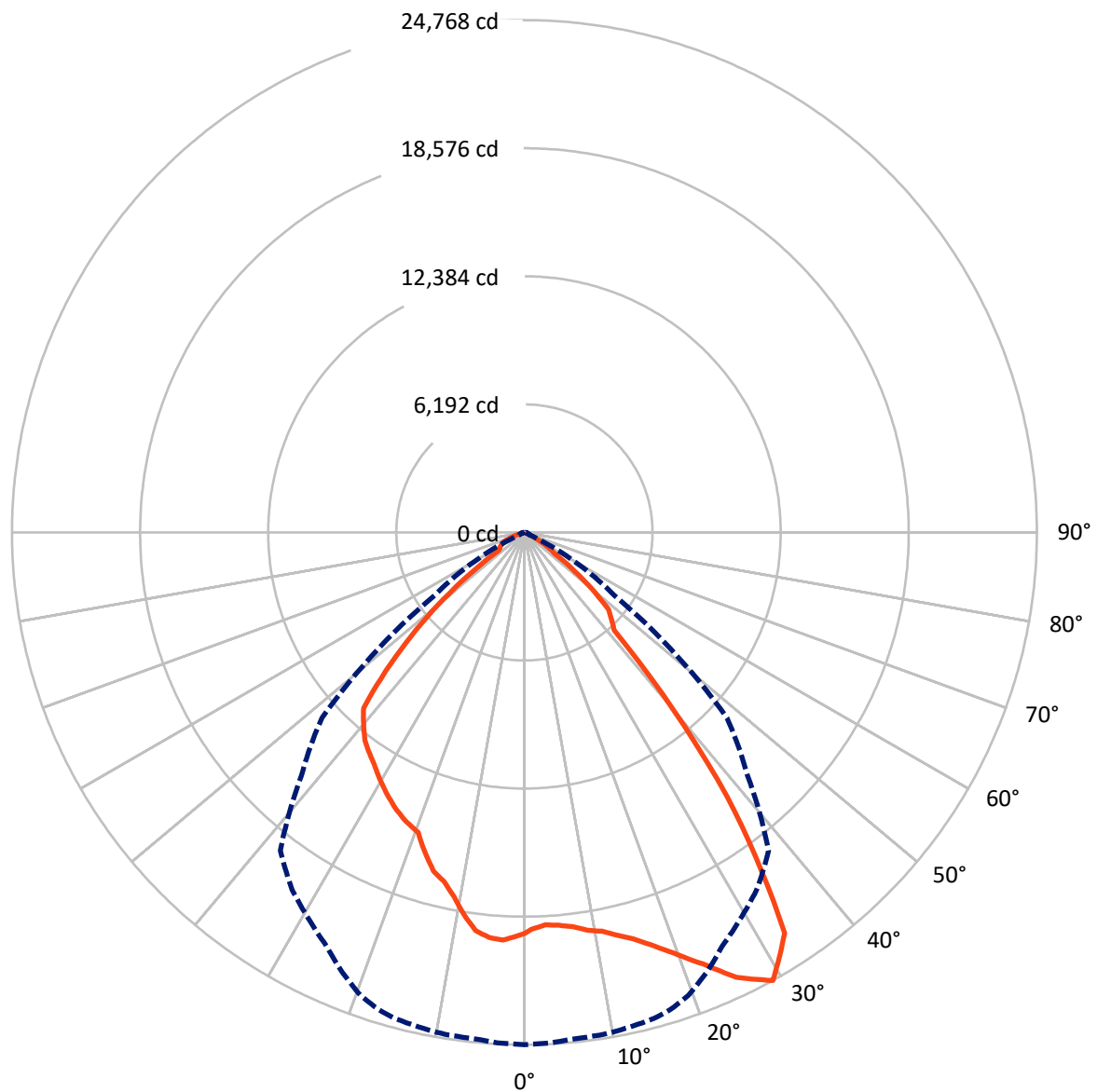
Lumen Table



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Luminous Intensity Polar Plot



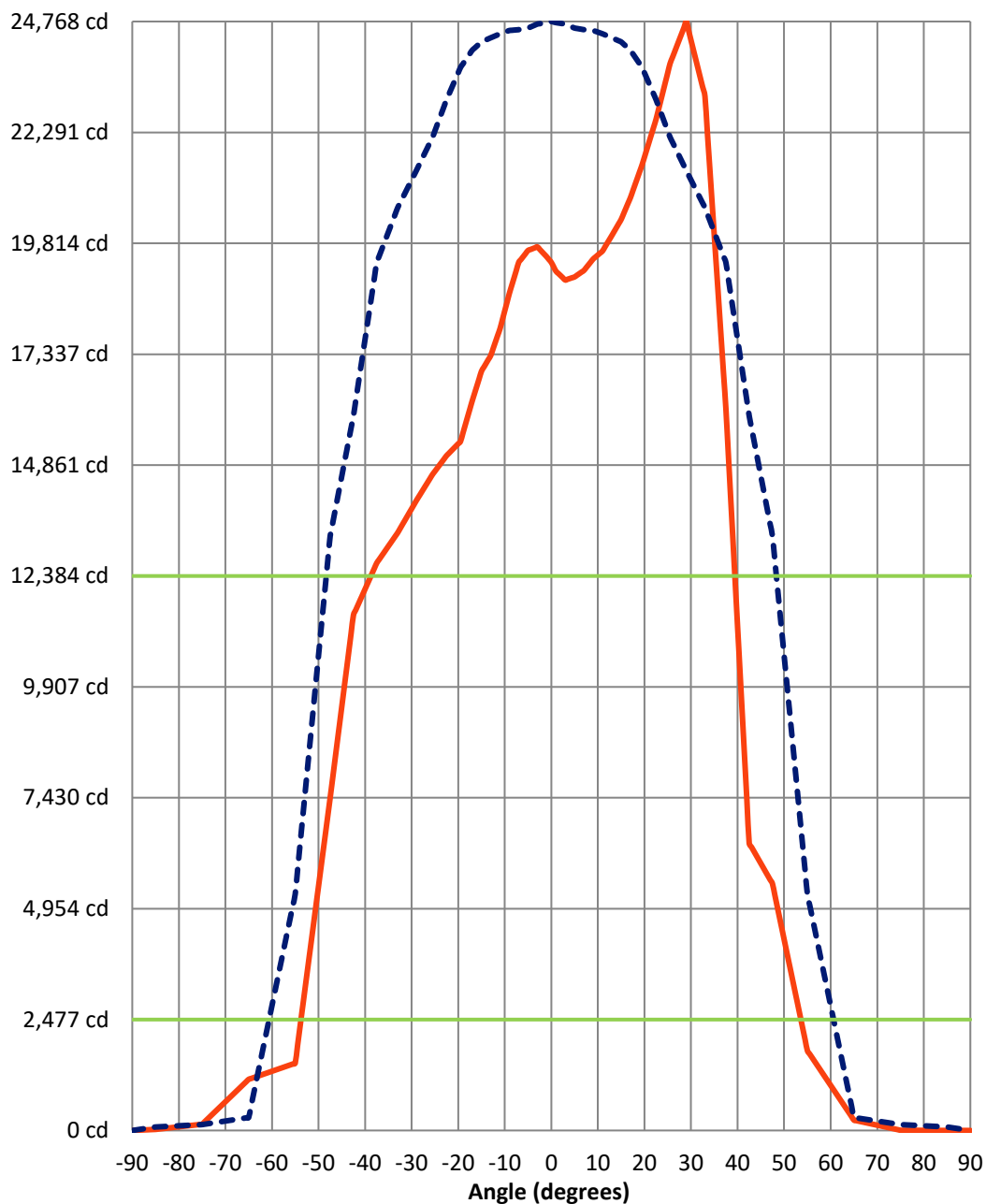
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 31251.2

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 41843.1

Efficiency: 97.2%

Spill:

Lumens: 1202.9

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	11.4	25.7	32.3	35.2	38.0	40.9	42.8	42.8	41.8	39.9
75°	4.8	6.7	15.2	20.0	22.8	24.7	26.6	25.7	26.6	24.7	24.7
65°	230.9	230.9	229.9	223.3	210.0	195.7	188.1	208.1	260.3	309.7	321.1
55°	1784.2	1762.3	1758.5	1834.5	1835.5	1891.5	1895.3	1910.5	1865.9	1897.2	1839.3
47.5°	5509.3	5513.1	5479.8	5458.0	5427.6	5364.9	5321.2	5289.8	5285.1	5244.2	5074.1
42.5°	6419.4	6428.9	6517.3	6569.5	6717.7	6895.4	7035.0	6868.8	6721.5	6393.7	6496.4
37.5°	16114.5	16128.8	16111.7	16077.5	15713.6	15618.6	15545.5	15329.8	15228.1	15186.3	15010.6
33°	23095.4	23183.8	23132.4	23062.1	23111.5	23060.2	22951.9	22731.5	22335.4	22134.0	21862.3
29°	24767.5	24742.8	24710.5	24621.2	24585.1	24567.0	24492.9	24404.5	24312.4	24124.3	23741.4
25.5°	23826.0	23746.2	23750.0	23665.4	23600.8	23586.6	23515.3	23413.7	23326.3	23146.7	22746.7
22.5°	22584.3	22563.4	22521.6	22446.5	22405.7	22309.7	22228.0	22139.7	22115.9	22051.3	21741.6
19.5°	21567.7	21543.0	21543.0	21504.1	21448.0	21354.0	21235.2	21146.9	21093.7	21069.0	20844.8
17°	20836.2	20813.4	20805.8	20746.0	20696.6	20610.1	20488.5	20373.5	20287.1	20241.5	20079.0
15°	20346.0	20308.9	20303.2	20276.6	20224.4	20135.1	20015.4	19909.0	19833.9	19742.7	19579.3
13°	19987.8	19945.1	19937.5	19896.6	19843.4	19760.8	19663.9	19575.5	19513.8	19418.8	19273.4
11°	19642.0	19671.5	19646.8	19608.8	19548.9	19478.6	19407.4	19351.3	19301.0	19242.0	19140.4
9°	19464.4	19404.5	19408.3	19374.1	19334.2	19283.8	19234.4	19178.4	19173.6	19167.9	19088.1
7°	19206.9	19187.9	19216.4	19197.4	19141.3	19148.0	19107.1	19117.6	19147.0	19177.4	19186.9
5°	19063.4	19052.0	19062.5	19056.8	19036.8	19044.4	19039.7	19095.7	19185.0	19339.9	19476.7
3°	18993.1	19013.1	19010.2	19012.1	19055.8	19073.9	19120.4	19201.2	19312.4	19443.5	19460.6
1°	19190.7	19213.5	19224.9	19266.7	19340.9	19344.7	19343.7	19391.2	19412.1	19720.9	19701.9
0°	19386.5	19398.8	19403.6	19408.3	19436.8	19451.1	19409.3	19396.9	19363.7	19588.8	19476.7
-1°	19513.8	19542.3	19523.3	19552.7	19580.3	19510.9	19453.0	19383.6	19339.0	19455.8	19229.7
-3°	19735.1	19714.2	19666.7	19662.0	19667.7	19557.5	19408.3	19331.4	19199.3	19132.8	19041.6
-5°	19654.4	19646.8	19590.7	19558.4	19493.8	19316.2	19169.8	19047.3	18906.7	18698.6	18562.8
-7°	19387.4	19292.4	19267.7	19215.4	19022.6	18867.7	18692.9	18552.3	18357.6	18238.8	18141.9
-9°	18698.6	18654.0	18665.4	18597.0	18367.1	18237.9	18118.2	18000.3	17882.5	17795.1	17730.5
-11°	17912.9	17832.2	17893.9	17835.0	17721.0	17665.9	17627.0	17561.4	17517.7	17460.7	17388.5
-13°	17310.6	17272.6	17323.9	17295.4	17234.6	17237.5	17227.0	17197.6	17171.0	17099.7	16972.4
-15°	16956.3	16910.7	16929.7	16939.2	16914.5	16905.9	16897.4	16866.0	16820.4	16732.1	16574.3
-17°	16290.3	16216.2	16242.8	16244.7	16239.9	16214.3	16254.2	16234.2	16225.7	16164.9	16020.5
-19.5°	15389.6	15359.2	15356.4	15361.1	15374.4	15379.2	15400.1	15399.1	15389.6	15315.5	15167.3
-22.5°	15070.4	15065.7	15048.6	15060.9	15053.3	15043.8	15038.1	15011.5	14949.8	14882.3	14706.6
-25.5°	14653.4	14644.8	14670.5	14644.8	14605.9	14585.0	14533.7	14478.6	14419.7	14374.1	14192.6
-29°	14065.3	14060.5	14039.6	14022.5	13963.6	13901.9	13818.3	13762.2	13645.4	13571.3	13354.7
-33°	13349.0	13326.2	13292.9	13268.2	13233.1	13176.1	13121.9	13021.2	12908.2	12797.9	12591.8
-37.5°	12672.5	12700.1	12674.4	12668.7	12624.1	12557.6	12478.7	12384.7	12279.2	12161.4	11973.3
-42.5°	11508.7	11511.6	11504.9	11458.4	11371.0	11296.9	11207.6	11153.4	11122.1	11054.6	10876.0
-47.5°	7428.3	7444.5	7446.4	7466.3	7426.4	7395.1	7369.4	7337.1	7325.7	7887.2	7470.1
-55°	1503.0	1509.6	1548.6	1614.1	1651.2	1670.2	1624.6	1584.7	1586.6	1757.6	1991.3
-65°	1141.9	1136.2	1132.4	1123.9	1117.2	1105.8	1116.3	1128.6	1121.0	1141.9	1166.6
-75°	139.7	140.6	141.6	140.6	128.3	140.6	156.8	151.1	158.7	164.4	163.4
-85°	23.8	22.8	31.4	39.0	42.8	50.4	57.0	61.8	63.7	64.6	64.6
-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°	37.1	35.2	33.3	32.3	33.3	36.1	40.9	48.5	61.8	67.5	72.2
75°	23.8	23.8	25.7	33.3	34.2	39.0	43.7	50.4	62.7	68.4	73.2
65°	255.6	153.0	111.2	94.1	76.0	65.6	65.6	71.3	75.1	73.2	74.1
55°	1715.8	1544.8	1394.7	1288.3	1009.9	681.2	463.6	158.7	112.1	78.9	75.1
47.5°	4881.3	4587.7	4324.6	4048.1	3793.5	2728.5	1780.4	337.3	163.4	85.5	76.0
42.5°	6535.3	5648.0	5973.8	5666.0	5241.4	4752.1	3659.5	1218.9	186.2	96.0	76.0
37.5°	14314.2	13750.8	13249.2	12341.0	11218.0	9525.1	8095.3	2394.1	204.3	107.4	77.0
33°	21483.2	20423.9	19530.9	18922.8	17353.4	13749.9	11600.0	3641.5	243.2	119.7	77.9
29°	23021.3	22185.3	21435.7	20608.2	19382.7	15960.6	13272.0	5281.3	289.8	131.1	77.9
25.5°	22089.3	21361.6	20685.2	20091.4	19298.1	16759.6	13941.8	6505.9	336.3	143.5	77.9
22.5°	21090.8	20360.2	19716.1	19277.2	18920.9	17033.2	13750.8	7370.4	382.9	153.9	77.9
19.5°	20283.3	19619.2	19073.9	18743.3	18616.9	16967.7	13298.6	8125.7	435.1	163.4	78.9
17°	19548.9	19023.5	18610.3	18460.2	18370.9	16748.2	13035.5	8732.7	479.8	169.1	78.9
15°	19168.9	18713.8	18415.5	18338.6	18060.2	16492.6	12878.7	9168.8	506.4	174.8	78.9
13°	18917.1	18549.5	18345.2	18140.0	17684.9	16227.6	12801.7	9575.4	525.4	178.6	78.9
11°	18761.3	18476.3	18238.8	17855.0	17269.8	16031.9	12797.9	9917.4	534.9	182.4	79.8
9°	18807.9	18471.6	18084.0	17543.4	16937.3	15872.3	12837.8	10183.4	533.0	185.3	79.8
7°	18876.3	18490.6	17933.8	17251.7	16640.8	15779.2	12894.9	10398.2	522.5	188.1	79.8
5°	18939.0	18502.0	17858.8	17010.4	16394.8	15680.4	12968.0	10573.9	517.8	191.0	79.8
3°	18943.7	18484.9	17758.1	16772.0	16197.2	15610.1	13048.8	10713.6	513.0	192.9	79.8
1°	18872.5	18376.6	17608.0	16557.2	16050.9	15546.4	13133.3	10791.5	510.2	191.9	79.8
0°	18817.4	18268.3	17502.5	16460.3	15954.0	15503.7	13176.1	10811.4	502.6	190.0	79.8
-1°	18711.0	18182.8	17388.5	16401.4	15886.5	15441.0	13203.6	10794.3	498.8	189.1	79.8
-3°	18487.7	17936.7	17209.0	16251.3	15711.7	15307.9	13256.8	10759.2	501.6	187.2	79.8
-5°	18191.3	17687.8	17021.8	16083.2	15511.3	15138.8	13263.5	10665.1	508.3	186.2	79.8
-7°	17870.2	17401.8	16727.3	15831.4	15250.0	14891.8	13220.7	10520.7	498.8	186.2	79.8
-9°	17473.1	16988.6	16315.9	15507.5	14967.8	14612.5	13127.6	10325.0	495.0	187.2	79.8
-11°	17056.0	16543.9	15906.5	15185.4	14662.9	14322.8	13000.3	10097.9	495.0	186.2	80.8
-13°	16628.5	16097.4	15510.3	14868.1	14395.9	13987.4	12826.4	9822.4	491.2	188.1	79.8
-15°	16197.2	15659.5	15156.9	14573.6	14148.9	13694.8	12618.4	9482.3	489.3	191.0	79.8
-17°	15634.8	15171.1	14750.3	14266.7	13861.0	13427.8	12389.4	9101.4	484.5	192.9	79.8
-19.5°	14801.6	14405.4	14094.7	13785.0	13479.1	13076.3	12107.3	8557.0	472.2	193.8	79.8
-22.5°	14317.1	13911.4	13597.9	13323.3	13083.0	12759.9	11790.9	7835.9	451.3	193.8	79.8
-25.5°	13827.8	13460.1	13129.5	12846.4	12680.1	12472.1	11530.6	7035.0	435.1	191.0	79.8
-29°	13068.7	12793.2	12486.3	12199.4	12068.3	11947.7	11148.7	5991.9	425.6	185.3	79.8
-33°	12306.8	12025.6	11701.6	11365.3	11229.4	11168.6	10223.3	4632.4	424.7	174.8	79.8
-37.5°	11701.6	11404.2	11026.1	10618.6	10280.3	10020.0	8756.5	3444.8	417.1	158.7	79.8
-42.5°	10608.1	10419.1	9945.0	9621.0	8967.4	7955.6	6195.2	2234.5	382.9	133.0	78.9
-47.5°	7091.1	6866.9	6703.5	6494.5	5909.2	4596.3	3155.1	827.5	346.8	104.5	78.9
-55°	1951.4	1825.0	1924.8	1675.9	1333.9	980.4	823.7	305.9	270.8	90.3	77.9
-65°	1264.5	1305.4	958.6	596.6	372.4	281.2	402.8	181.5	138.7	82.7	77.0
-75°	153.9	135.9	108.3	119.7	127.3	115.9	107.4	77.9	77.0	77.0	76.0
-85°	62.7	60.8	58.9	58.0	56.1	55.1	56.1	58.9	66.5	73.2	74.1
-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)