

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: P571697

Luminaire Tested: **UFLD-L-CA4-390-727-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

Test Information

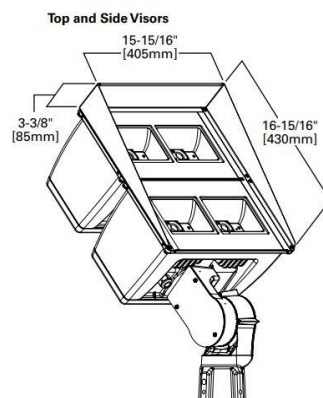
Test Method: LM-79-08
Report Number: P571697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-390-727-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	44415 lumens	Max Intensity:	25555.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	114.6 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:	32245.1 lumens	Field Lumens:	43173.8 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

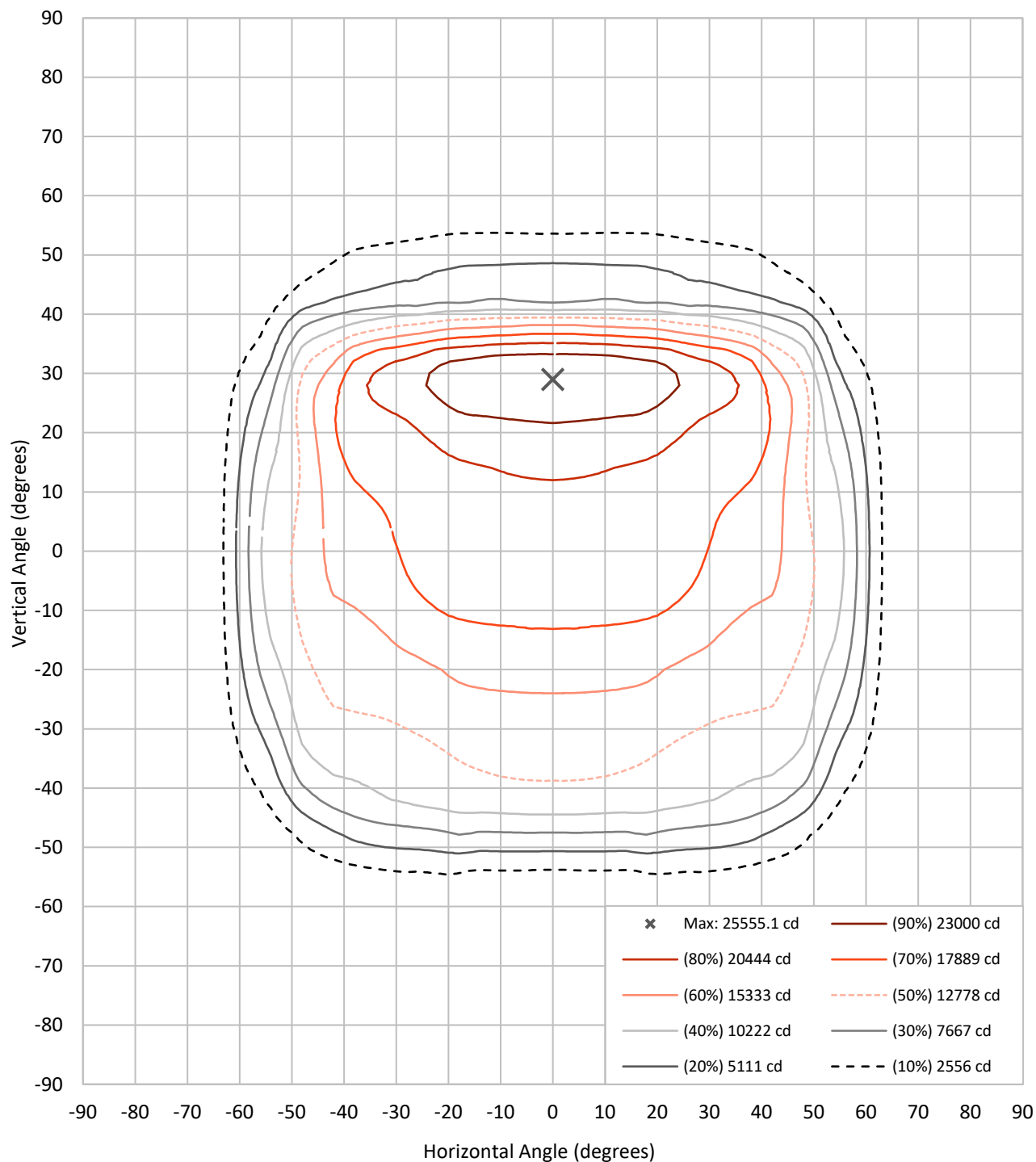
Input Watts (W): 387.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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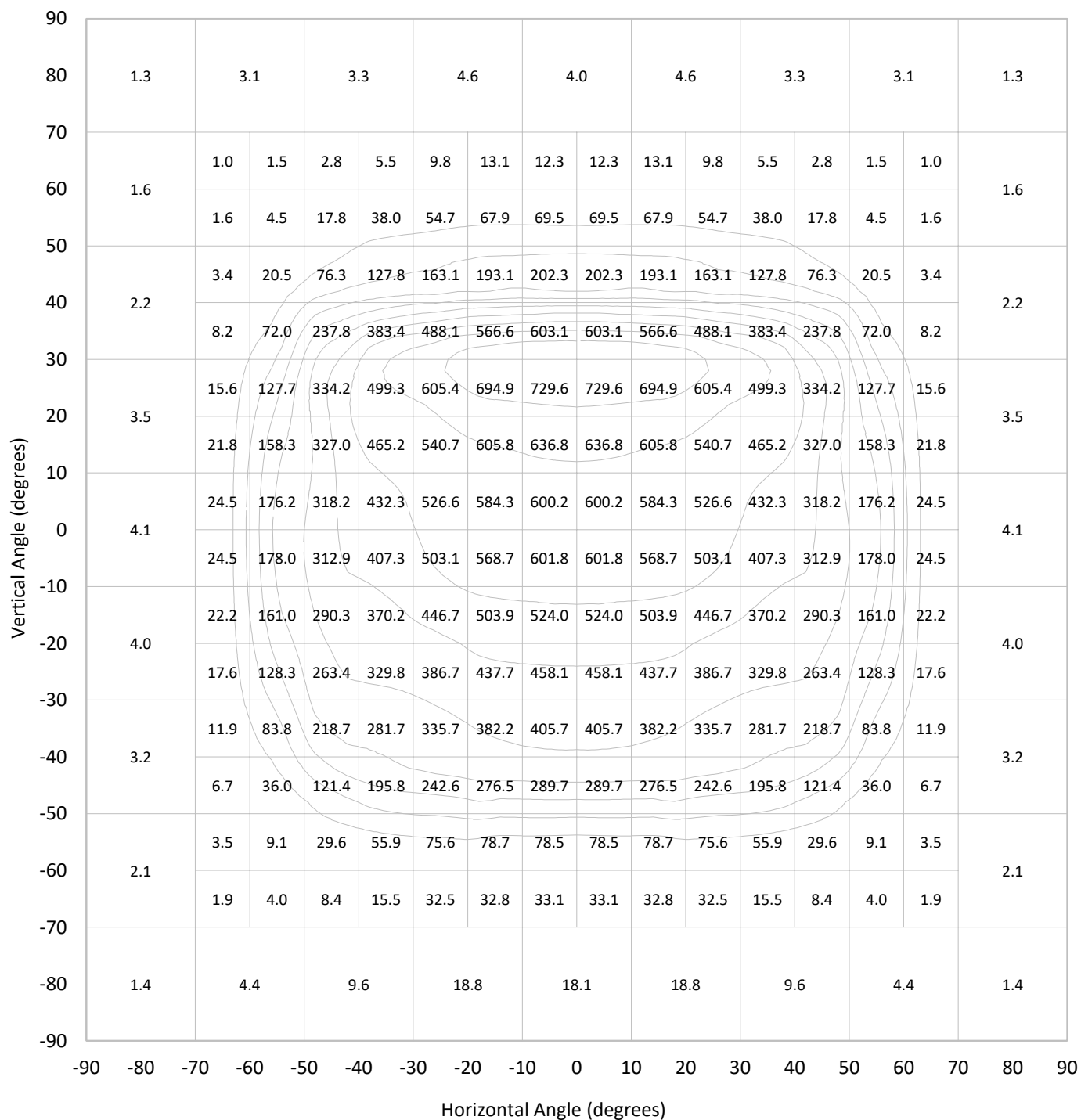
Iso-Candela Plot



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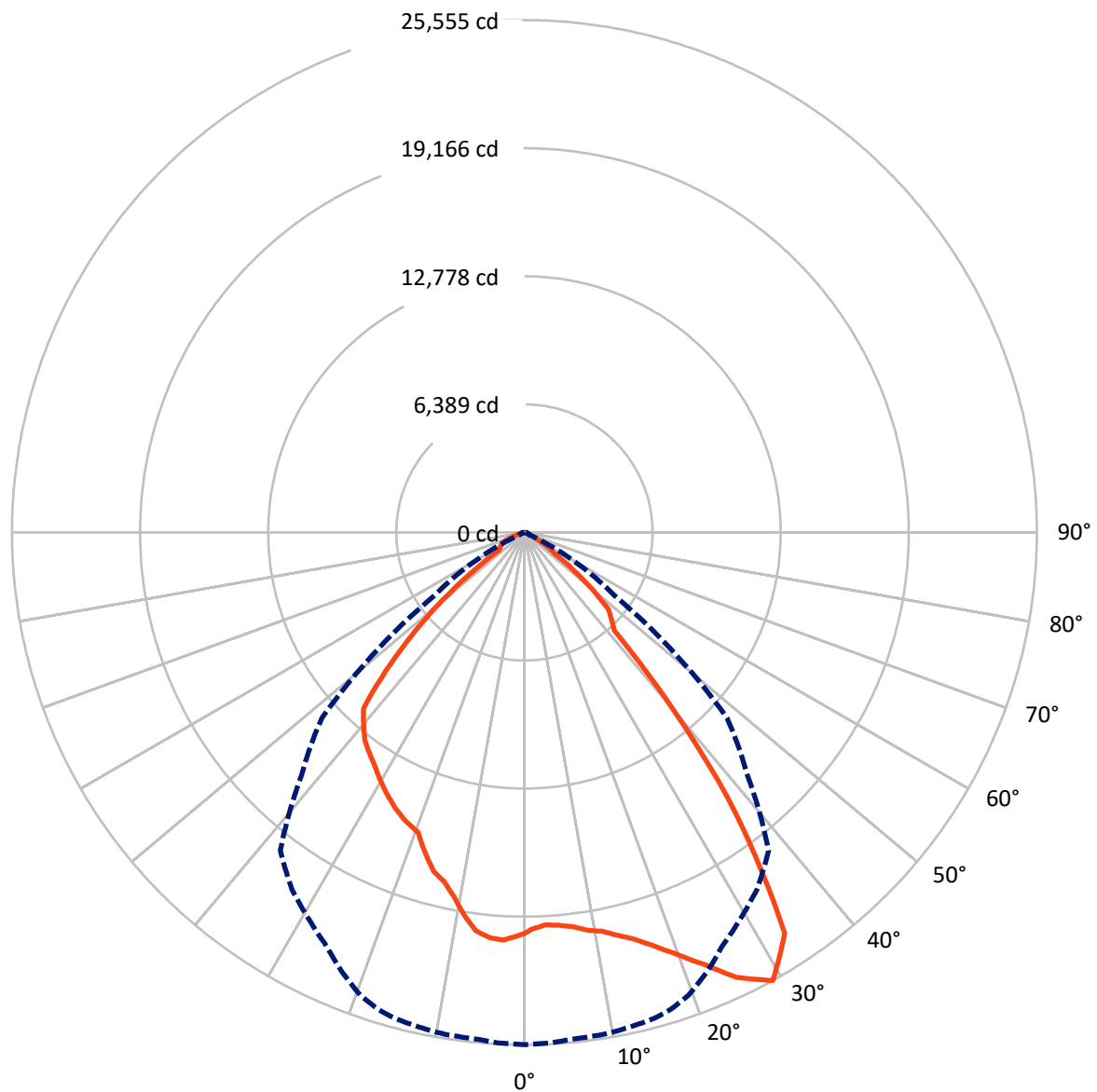
Lumen Table



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Luminous Intensity Polar Plot



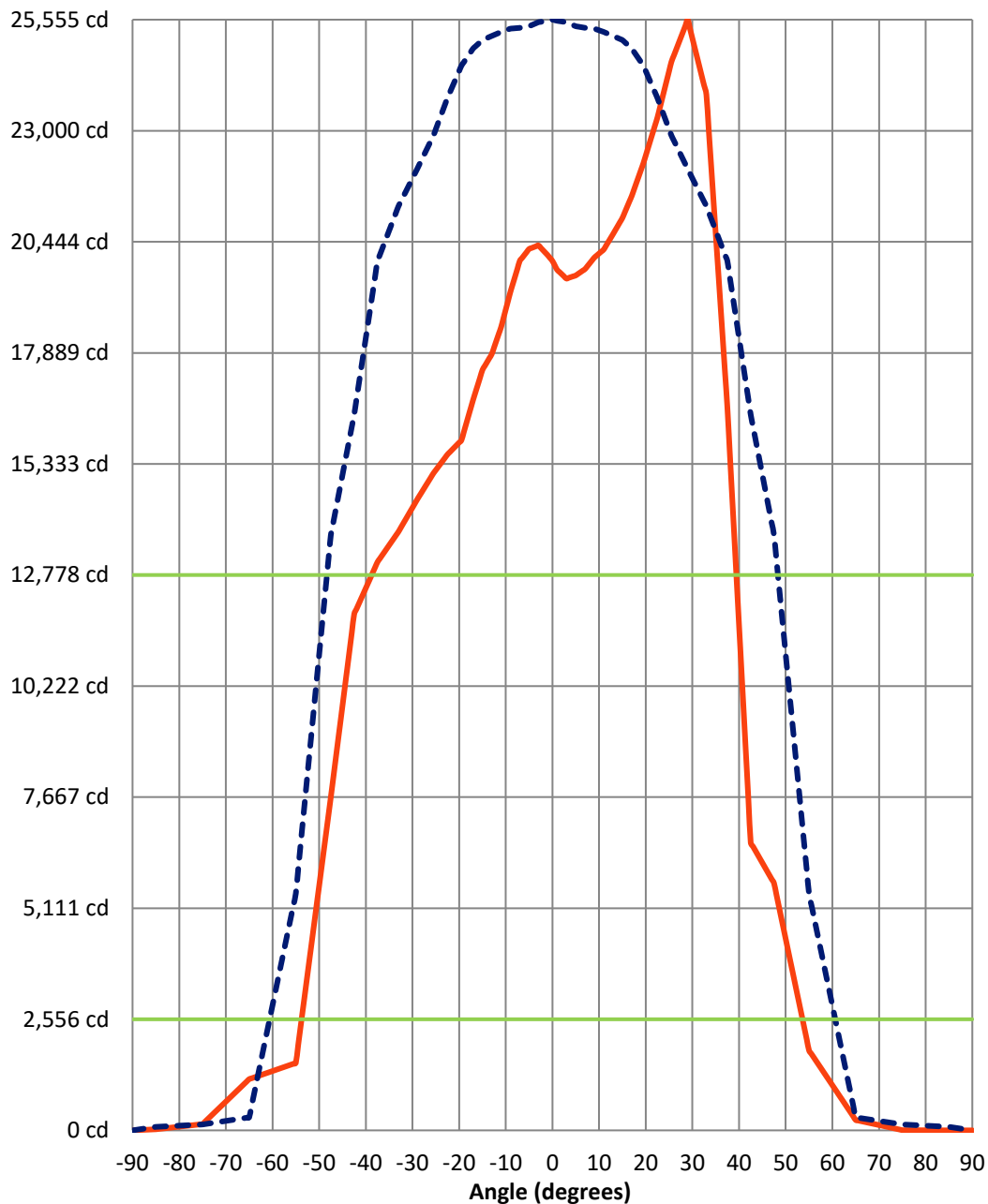
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 32245.1

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 43173.8

Efficiency: 97.2%

Spill:

Lumens: 1241.2

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	11.8	26.5	33.3	36.3	39.2	42.2	44.1	44.1	43.1	41.2
75°	4.9	6.9	15.7	20.6	23.5	25.5	27.4	26.5	27.4	25.5	25.5
65°	238.2	238.2	237.2	230.4	216.6	201.9	194.1	214.7	268.6	319.6	331.3
55°	1840.9	1818.4	1814.4	1892.9	1893.8	1951.7	1955.6	1971.3	1925.2	1957.6	1897.8
47.5°	5684.5	5688.4	5654.1	5631.5	5600.2	5535.5	5490.4	5458.0	5453.1	5411.0	5235.5
42.5°	6623.6	6633.4	6724.5	6778.4	6931.4	7114.7	7258.8	7087.2	6935.3	6597.1	6703.0
37.5°	16627.0	16641.7	16624.1	16588.8	16213.4	16115.3	16039.8	15817.3	15712.4	15669.3	15488.0
33°	23829.9	23921.1	23868.1	23795.6	23846.6	23793.6	23681.9	23454.5	23045.7	22837.9	22557.5
29°	25555.1	25529.7	25496.3	25404.2	25366.9	25348.3	25271.9	25180.7	25085.6	24891.5	24496.5
25.5°	24583.7	24501.4	24505.3	24418.1	24351.4	24336.7	24263.2	24158.3	24068.1	23882.8	23470.2
22.5°	23302.5	23281.0	23237.8	23160.4	23118.2	23019.2	22934.9	22843.8	22819.3	22752.6	22433.0
19.5°	22253.7	22228.2	22228.2	22188.0	22130.1	22033.1	21910.6	21819.4	21764.5	21739.0	21507.7
17°	21498.9	21475.3	21467.5	21405.7	21354.8	21265.6	21140.1	21021.5	20932.3	20885.2	20717.6
15°	20993.1	20954.8	20948.9	20921.5	20867.6	20775.4	20651.9	20542.1	20464.7	20370.6	20202.0
13°	20623.5	20579.4	20571.6	20529.4	20474.5	20389.2	20289.2	20198.1	20134.4	20036.3	19886.4
11°	20266.7	20297.1	20271.6	20232.4	20170.6	20098.1	20024.6	19966.7	19914.8	19854.0	19749.1
9°	20083.4	20021.6	20025.6	19990.3	19949.1	19897.1	19846.2	19788.3	19783.4	19777.5	19695.2
7°	19817.7	19798.1	19827.5	19807.9	19750.1	19757.0	19714.8	19725.6	19756.0	19787.3	19797.2
5°	19669.7	19658.0	19668.7	19662.9	19642.3	19650.1	19645.2	19703.0	19795.2	19955.0	20096.1
3°	19597.2	19617.8	19614.8	19616.8	19661.9	19680.5	19728.5	19811.9	19926.5	20061.8	20079.5
1°	19801.1	19824.6	19836.4	19879.5	19956.0	19959.9	19958.9	20007.9	20029.5	20348.1	20328.4
0°	20003.0	20015.7	20020.6	20025.6	20055.0	20069.7	20026.5	20013.8	19979.5	20211.8	20096.1
-1°	20134.4	20163.8	20144.2	20174.5	20203.0	20131.4	20071.6	20000.1	19954.0	20074.6	19841.3
-3°	20362.8	20341.2	20292.2	20287.3	20293.2	20179.5	20025.6	19946.2	19809.9	19741.3	19647.2
-5°	20279.4	20271.6	20213.8	20180.4	20113.8	19930.5	19779.5	19653.1	19508.0	19293.3	19153.1
-7°	20004.0	19906.0	19880.5	19826.6	19627.6	19467.8	19287.4	19142.3	18941.4	18818.9	18718.9
-9°	19293.3	19247.2	19259.0	19188.4	18951.2	18817.9	18694.4	18572.8	18451.3	18361.1	18294.4
-11°	18482.6	18399.3	18463.0	18402.3	18284.6	18227.8	18187.6	18119.9	18074.9	18016.0	17941.5
-13°	17861.2	17821.9	17874.9	17845.5	17782.7	17785.7	17774.9	17744.5	17717.1	17643.5	17512.2
-15°	17495.5	17448.5	17468.1	17477.9	17452.4	17443.6	17434.7	17402.4	17355.3	17264.2	17101.5
-17°	16808.4	16731.9	16759.4	16761.3	16756.4	16729.9	16771.1	16750.5	16741.7	16679.0	16530.0
-19.5°	15879.1	15847.7	15844.8	15849.7	15863.4	15868.3	15889.9	15888.9	15879.1	15802.6	15649.7
-22.5°	15549.7	15544.8	15527.2	15539.9	15532.1	15522.3	15516.4	15488.9	15425.2	15355.6	15174.3
-25.5°	15119.4	15110.6	15137.0	15110.6	15070.4	15048.8	14995.9	14939.0	14878.3	14831.2	14644.0
-29°	14512.6	14507.7	14486.2	14468.5	14407.7	14344.0	14257.8	14199.9	14079.3	14002.9	13779.4
-33°	13773.5	13750.0	13715.7	13690.2	13653.9	13595.1	13539.2	13435.3	13318.7	13205.0	12992.2
-37.5°	13075.6	13104.0	13077.5	13071.6	13025.6	12957.0	12875.6	12778.6	12669.7	12548.2	12354.1
-42.5°	11874.8	11877.7	11870.8	11822.8	11732.6	11656.2	11564.0	11508.1	11475.8	11406.2	11221.9
-47.5°	7664.6	7681.2	7683.2	7703.8	7662.6	7630.3	7603.8	7570.5	7558.7	8138.0	7707.7
-55°	1550.8	1557.6	1597.8	1665.4	1703.7	1723.3	1676.2	1635.1	1637.0	1813.5	2054.6
-65°	1178.3	1172.4	1168.5	1159.6	1152.8	1141.0	1151.8	1164.5	1156.7	1178.3	1203.7
-75°	144.1	145.1	146.1	145.1	132.3	145.1	161.7	155.9	163.7	169.6	168.6
-85°	24.5	23.5	32.3	40.2	44.1	52.0	58.8	63.7	65.7	66.7	66.7
-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°	38.2	36.3	34.3	33.3	34.3	37.2	42.2	50.0	63.7	69.6	74.5
75°	24.5	24.5	26.5	34.3	35.3	40.2	45.1	52.0	64.7	70.6	75.5
65°	263.7	157.8	114.7	97.0	78.4	67.6	67.6	73.5	77.4	75.5	76.5
55°	1770.3	1593.9	1439.0	1329.2	1042.0	702.8	478.4	163.7	115.7	81.4	77.4
47.5°	5036.5	4733.6	4462.1	4176.9	3914.1	2815.3	1837.0	348.0	168.6	88.2	78.4
42.5°	6743.1	5827.6	6163.8	5846.2	5408.0	4903.2	3775.9	1257.7	192.1	99.0	78.4
37.5°	14769.4	14188.2	13670.6	12733.5	11574.8	9828.0	8352.7	2470.2	210.8	110.8	79.4
33°	22166.4	21073.4	20152.0	19524.6	17905.3	14187.2	11968.9	3757.3	250.9	123.5	80.4
29°	23753.4	22890.8	22117.4	21263.6	19999.1	16468.2	13694.1	5449.2	299.0	135.3	80.4
25.5°	22791.8	22040.9	21343.0	20730.4	19911.8	17292.6	14385.2	6712.8	347.0	148.0	80.4
22.5°	21761.6	21007.8	20343.2	19890.3	19522.7	17574.9	14188.2	7604.8	395.0	158.8	80.4
19.5°	20928.4	20243.2	19680.5	19339.4	19209.0	17507.3	13721.6	8384.1	449.0	168.6	81.4
17°	20170.6	19628.5	19202.1	19047.3	18955.1	17280.8	13450.0	9010.5	495.0	174.5	81.4
15°	19778.5	19309.0	19001.2	18921.8	18634.6	17017.2	13288.3	9460.4	522.5	180.4	81.4
13°	19518.8	19139.4	18928.6	18716.9	18247.4	16743.7	13208.9	9880.0	542.1	184.3	81.4
11°	19358.0	19063.9	18818.9	18422.8	17819.0	16541.7	13205.0	10232.8	551.9	188.2	82.3
9°	19406.0	19059.0	18659.1	18101.3	17475.9	16377.1	13246.1	10507.3	549.9	191.1	82.3
7°	19476.6	19078.6	18504.2	17800.4	17170.1	16281.0	13304.9	10728.8	539.1	194.1	82.3
5°	19541.3	19090.4	18426.8	17551.4	16916.2	16179.0	13380.4	10910.2	534.2	197.0	82.3
3°	19546.2	19072.7	18322.9	17305.4	16712.3	16106.5	13463.7	11054.3	529.3	199.0	82.3
1°	19472.7	18961.0	18168.0	17083.8	16561.3	16040.8	13551.0	11134.7	526.4	198.0	82.3
0°	19415.8	18849.2	18059.2	16983.8	16461.4	15996.7	13595.1	11155.3	518.6	196.1	82.3
-1°	19306.0	18761.0	17941.5	16923.1	16391.8	15932.0	13623.5	11137.6	514.6	195.1	82.3
-3°	19075.7	18507.1	17756.3	16768.2	16211.4	15794.8	13678.4	11101.3	517.6	193.1	82.3
-5°	18769.8	18250.3	17563.2	16594.7	16004.6	15620.3	13685.3	11004.3	524.4	192.1	82.3
-7°	18438.5	17955.3	17259.3	16334.9	15735.0	15365.4	13641.2	10855.3	514.6	192.1	82.3
-9°	18028.8	17528.9	16834.8	16000.6	15443.9	15077.2	13545.1	10653.4	510.7	193.1	82.3
-11°	17598.4	17070.1	16412.3	15668.3	15129.2	14778.3	13413.8	10419.1	510.7	192.1	83.3
-13°	17157.3	16609.4	16003.6	15340.9	14853.7	14432.2	13234.4	10134.8	506.8	194.1	82.3
-15°	16712.3	16157.5	15638.9	15037.1	14598.9	14130.3	13019.7	9783.9	504.8	197.0	82.3
-17°	16132.0	15653.6	15219.4	14720.4	14301.9	13854.9	12783.5	9390.8	499.9	199.0	82.3
-19.5°	15272.3	14863.5	14543.0	14223.4	13907.8	13492.2	12492.3	8829.1	487.2	200.0	82.3
-22.5°	14772.4	14353.8	14030.3	13747.0	13499.0	13165.8	12165.9	8085.1	465.6	200.0	82.3
-25.5°	14267.6	13888.2	13547.1	13255.0	13083.4	12868.7	11897.3	7258.8	449.0	197.0	82.3
-29°	13484.3	13200.1	12883.4	12587.4	12452.1	12327.6	11503.2	6182.4	439.2	191.1	82.3
-33°	12698.2	12408.0	12073.8	11726.7	11586.6	11523.8	10548.5	4779.7	438.2	180.4	82.3
-37.5°	12073.8	11766.9	11376.8	10956.3	10607.3	10338.7	9035.0	3554.4	430.3	163.7	82.3
-42.5°	10945.5	10750.4	10261.3	9927.0	9252.6	8208.6	6392.2	2305.6	395.0	137.2	81.4
-47.5°	7316.6	7085.3	6916.7	6701.0	6097.2	4742.5	3255.4	853.8	357.8	107.8	81.4
-55°	2013.4	1883.1	1986.0	1729.2	1376.3	1011.6	849.9	315.6	279.4	93.1	80.4
-65°	1304.7	1346.9	989.1	615.6	384.3	290.2	415.6	187.2	143.1	85.3	79.4
-75°	158.8	140.2	111.7	123.5	131.4	119.6	110.8	80.4	79.4	79.4	78.4
-85°	64.7	62.7	60.8	59.8	57.8	56.9	57.8	60.8	68.6	75.5	76.5
-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):

	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)