

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: P571695

Luminaire Tested: **UFLD-L-CA4-370-760-U-66-TS2HW_NFFLD**

Issue Date: 9/21/2021

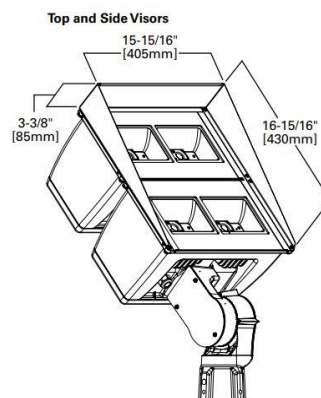
Test Information

Test Method: LM-79-08
Report Number: P571695
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-CA4-370-760-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:	46956 lumens	Max Intensity:	27017.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	128.3 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:	34089.8 lumens	Field Lumens:	45643.8 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%

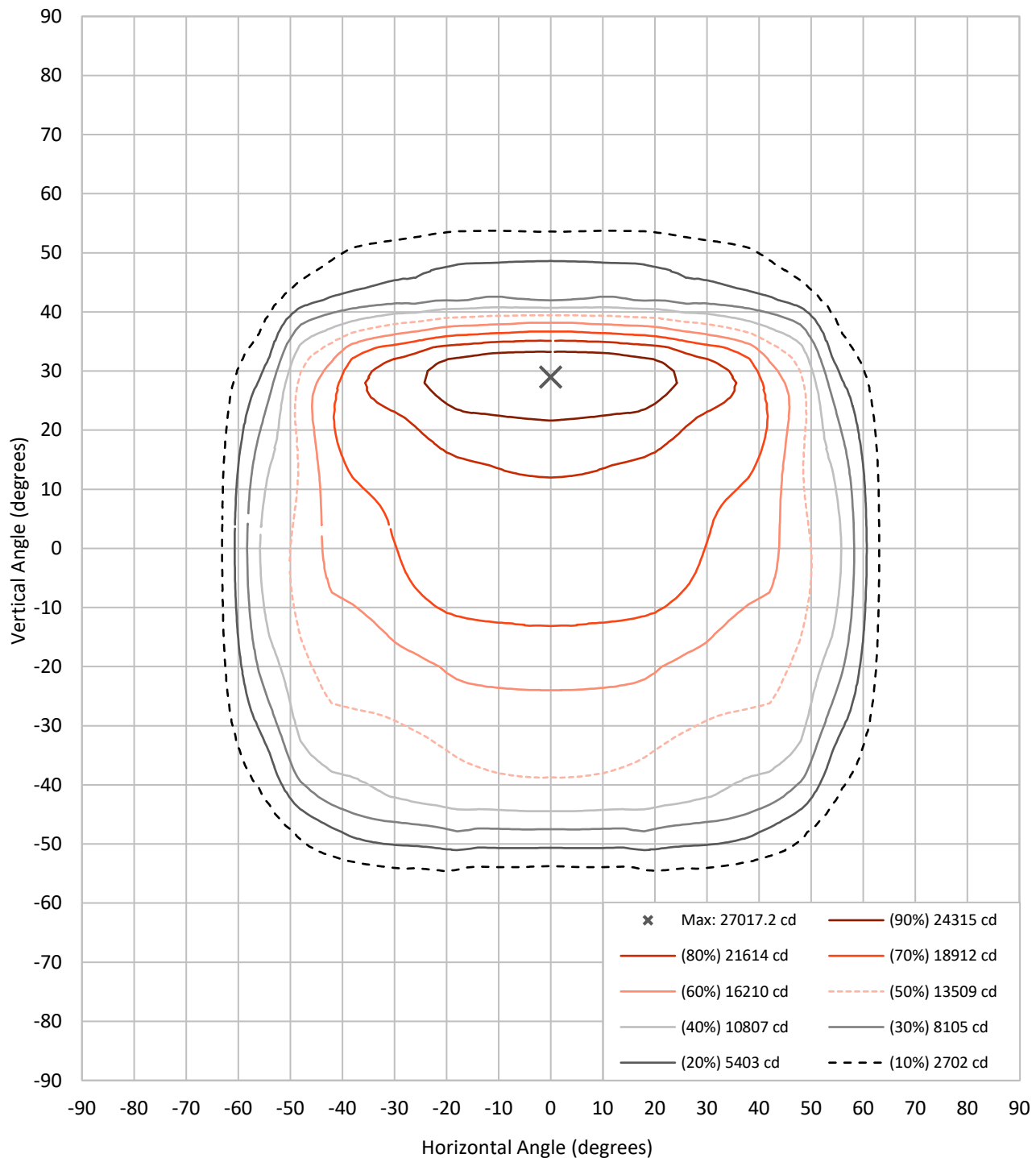
Input Watts (W): 366
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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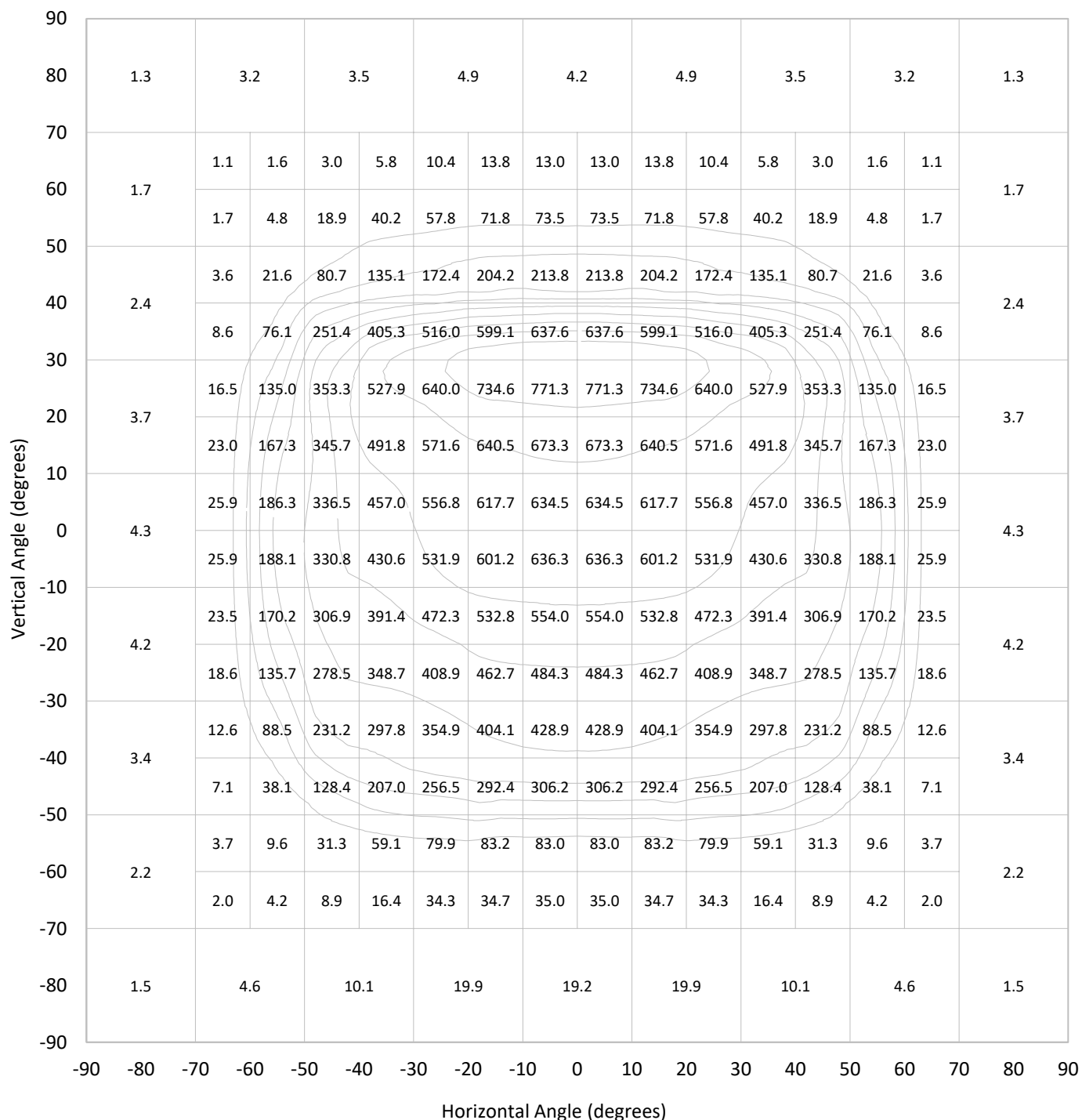
Iso-Candela Plot



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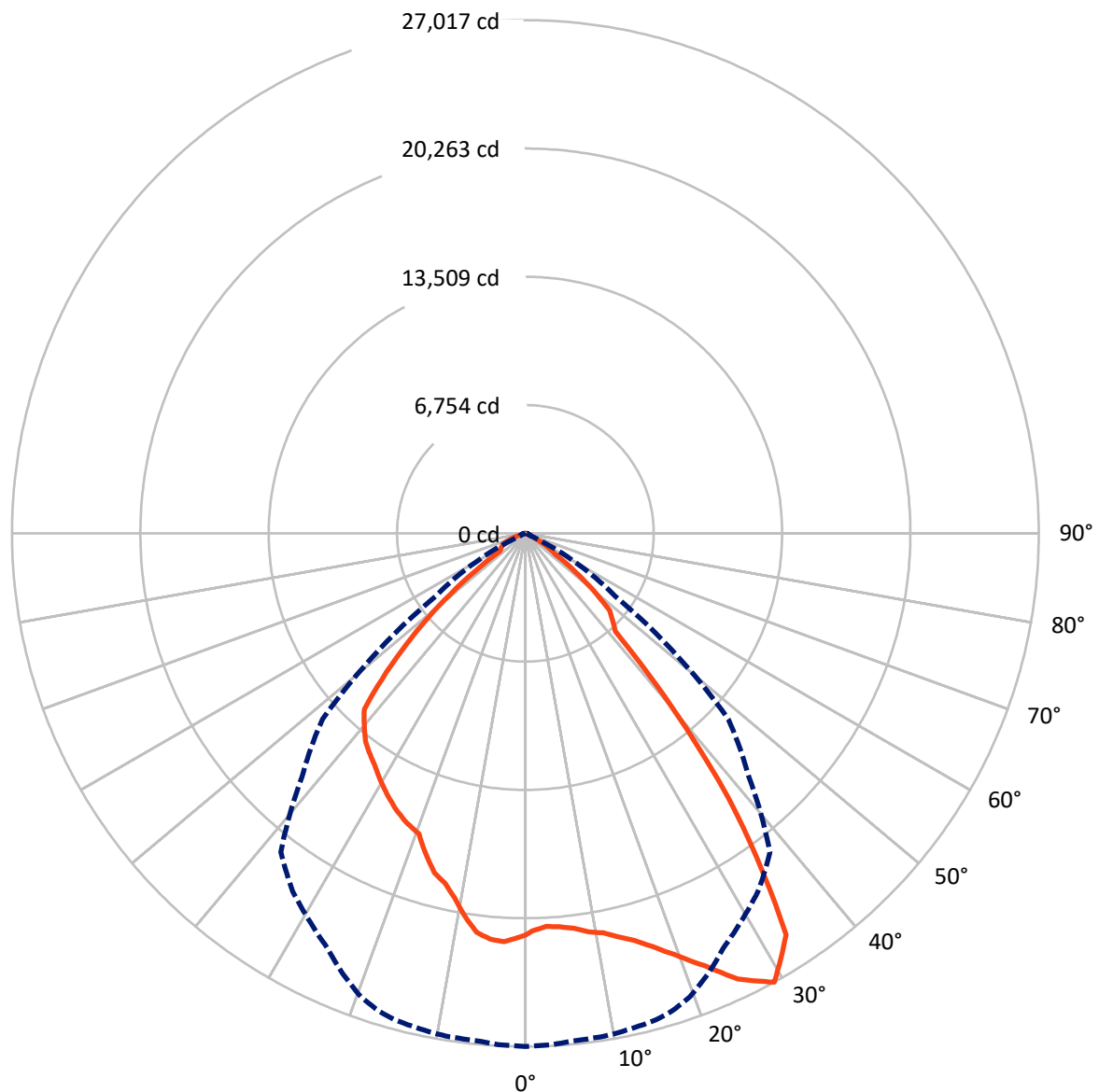
Lumen Table



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Luminous Intensity Polar Plot



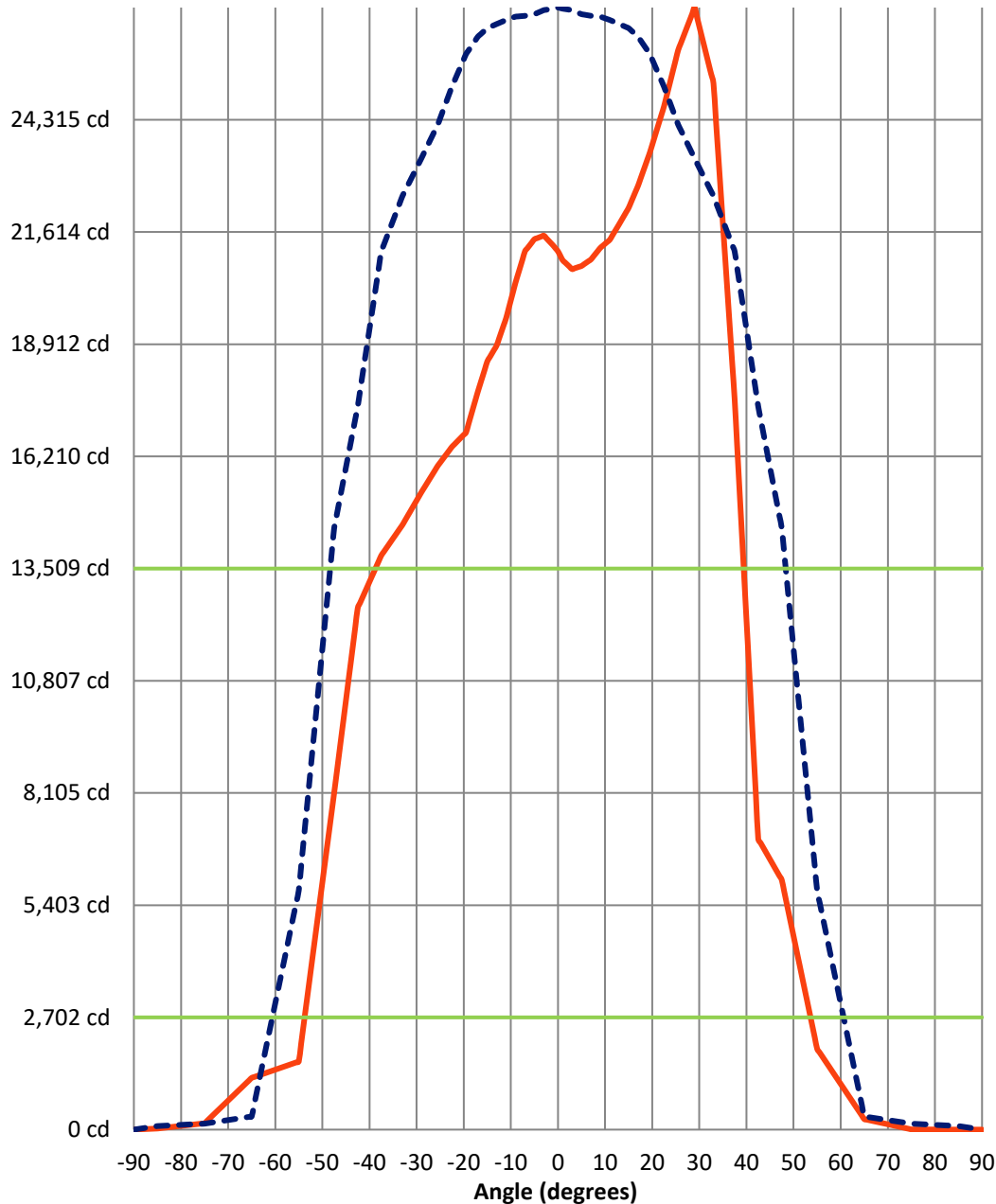
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°
V Angle: 78.2°
Lumens: 34089.8
Efficiency: 72.6%

Field:

H Angle: 121.2°
V Angle: 107.4°
Lumens: 45643.8
Efficiency: 97.2%

Spill:

Lumens: 1312.2
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	12.4	28.0	35.2	38.3	41.5	44.6	46.6	46.6	45.6	43.5
75°	5.2	7.3	16.6	21.8	24.9	26.9	29.0	28.0	29.0	26.9	26.9
65°	251.8	251.8	250.8	243.5	229.0	213.5	205.2	227.0	284.0	337.8	350.3
55°	1946.2	1922.4	1918.2	2001.2	2002.2	2063.3	2067.5	2084.1	2035.4	2069.6	2006.3
47.5°	6009.7	6013.8	5977.6	5953.7	5920.6	5852.2	5804.5	5770.3	5765.1	5720.6	5535.0
42.5°	7002.5	7012.9	7109.2	7166.2	7327.9	7521.7	7674.0	7492.7	7332.0	6974.5	7086.4
37.5°	17578.3	17593.8	17575.1	17537.8	17140.9	17037.3	16957.5	16722.2	16611.4	16565.8	16374.0
33°	25193.2	25289.6	25233.6	25157.0	25210.8	25154.9	25036.7	24796.3	24364.2	24144.5	23848.1
29°	27017.2	26990.2	26955.0	26857.6	26818.2	26798.5	26717.7	26621.3	26520.8	26315.6	25897.9
25.5°	25990.2	25903.1	25907.3	25815.0	25744.6	25729.0	25651.3	25540.4	25445.1	25249.2	24812.9
22.5°	24635.7	24612.9	24567.3	24485.4	24440.8	24336.2	24247.1	24150.7	24124.8	24054.3	23716.5
19.5°	23526.8	23499.9	23499.9	23457.4	23396.2	23293.6	23164.1	23067.7	23009.7	22982.7	22738.2
17°	22728.8	22704.0	22695.7	22630.4	22576.5	22482.2	22349.5	22224.1	22129.8	22080.1	21902.9
15°	22194.1	22153.7	22147.4	22118.4	22061.4	21964.0	21833.4	21717.4	21635.5	21536.0	21357.8
13°	21803.4	21756.7	21748.5	21703.9	21645.9	21555.7	21450.0	21353.6	21286.3	21182.6	21024.1
11°	21426.2	21458.3	21431.3	21389.9	21324.6	21247.9	21170.2	21109.0	21054.1	20989.9	20879.0
9°	21232.4	21167.1	21171.2	21133.9	21090.4	21035.5	20981.6	20920.4	20915.2	20909.0	20822.0
7°	20951.5	20930.8	20961.9	20941.2	20880.0	20887.3	20842.7	20854.1	20886.2	20919.4	20929.8
5°	20795.0	20782.6	20794.0	20787.8	20766.0	20774.3	20769.1	20830.3	20927.7	21096.6	21245.8
3°	20718.3	20740.1	20737.0	20739.1	20786.7	20806.4	20857.2	20945.3	21066.6	21209.6	21228.2
1°	20933.9	20958.8	20971.2	21016.8	21097.6	21101.8	21100.7	21152.6	21175.4	21512.2	21491.4
0°	21147.4	21160.9	21166.0	21171.2	21202.3	21217.9	21172.3	21158.8	21122.5	21368.1	21245.8
-1°	21286.3	21317.3	21296.6	21328.7	21358.8	21283.1	21219.9	21144.3	21095.6	21223.0	20976.4
-3°	21527.7	21504.9	21453.1	21447.9	21454.1	21333.9	21171.2	21087.3	20943.2	20870.7	20771.2
-5°	21439.6	21431.3	21370.2	21335.0	21264.5	21070.7	20911.1	20777.4	20624.0	20397.1	20248.9
-7°	21148.4	21044.8	21017.8	20960.8	20750.5	20581.5	20390.9	20237.5	20025.0	19895.5	19789.8
-9°	20397.1	20348.4	20360.8	20286.2	20035.4	19894.5	19763.9	19635.4	19506.9	19411.5	19341.1
-11°	19540.0	19451.9	19519.3	19455.1	19330.7	19270.6	19228.1	19156.6	19108.9	19046.7	18968.0
-13°	18883.0	18841.5	18897.5	18866.4	18800.1	18803.2	18791.8	18759.7	18730.7	18652.9	18514.1
-15°	18496.4	18446.7	18467.4	18477.8	18450.8	18441.5	18432.2	18398.0	18348.3	18251.9	18079.8
-17°	17770.0	17689.1	17718.2	17720.2	17715.1	17687.1	17730.6	17708.8	17699.5	17633.2	17475.7
-19.5°	16787.5	16754.4	16751.3	16756.4	16771.0	16776.1	16798.9	16797.9	16787.5	16706.7	16545.0
-22.5°	16439.3	16434.1	16415.5	16429.0	16420.7	16410.3	16404.1	16375.1	16307.7	16234.1	16042.4
-25.5°	15984.4	15975.1	16003.0	15975.1	15932.6	15909.8	15853.8	15793.7	15729.4	15679.7	15481.8
-29°	15342.9	15337.7	15314.9	15296.3	15232.0	15164.6	15073.4	15012.3	14884.8	14804.0	14567.7
-33°	14561.5	14536.6	14500.4	14473.4	14435.1	14372.9	14313.8	14204.0	14080.6	13960.4	13735.5
-37.5°	13823.6	13853.7	13825.7	13819.5	13770.8	13698.2	13612.2	13509.6	13394.6	13266.1	13060.9
-42.5°	12554.1	12557.2	12550.0	12499.2	12403.9	12323.0	12225.6	12166.5	12132.3	12058.8	11863.9
-47.5°	8103.1	8120.7	8122.8	8144.5	8101.0	8066.8	8038.8	8003.6	7991.2	8603.6	8148.7
-55°	1639.5	1646.7	1689.2	1760.7	1801.1	1821.9	1772.1	1728.6	1730.7	1917.2	2172.2
-65°	1245.7	1239.5	1235.3	1226.0	1218.7	1206.3	1217.7	1231.2	1222.9	1245.7	1272.6
-75°	152.3	153.4	154.4	153.4	139.9	153.4	171.0	164.8	173.1	179.3	178.2
-85°	25.9	24.9	34.2	42.5	46.6	54.9	62.2	67.4	69.4	70.5	70.5
-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°	40.4	38.3	36.3	35.2	36.3	39.4	44.6	52.9	67.4	73.6	78.8
75°	25.9	25.9	28.0	36.3	37.3	42.5	47.7	54.9	68.4	74.6	79.8
65°	278.8	166.8	121.3	102.6	82.9	71.5	71.5	77.7	81.9	79.8	80.8
55°	1871.6	1685.1	1521.3	1405.3	1101.6	743.0	505.7	173.1	122.3	86.0	81.9
47.5°	5324.7	5004.4	4717.4	4415.8	4138.1	2976.3	1942.1	367.9	178.2	93.3	82.9
42.5°	7128.9	6161.0	6516.5	6180.7	5717.4	5183.7	3991.9	1329.6	203.1	104.7	82.9
37.5°	15614.4	14999.9	14452.7	13461.9	12237.0	10390.3	8830.6	2611.6	222.8	117.1	83.9
33°	23434.6	22279.1	21304.9	20641.7	18929.6	14998.8	12653.6	3972.3	265.3	130.6	85.0
29°	25112.4	24200.4	23382.8	22480.1	21143.2	17410.4	14477.6	5761.0	316.1	143.0	85.0
25.5°	24095.7	23301.9	22564.1	21916.3	21051.0	18281.9	15208.2	7096.8	366.9	156.5	85.0
22.5°	23006.6	22209.6	21507.0	21028.2	20639.6	18580.4	14999.9	8039.9	417.6	167.9	85.0
19.5°	22125.7	21401.3	20806.4	20445.8	20308.0	18508.9	14506.6	8863.7	474.6	178.2	86.0
17°	21324.6	20751.5	20300.7	20137.0	20039.5	18269.5	14219.5	9526.0	523.3	184.5	86.0
15°	20910.1	20413.7	20088.3	20004.3	19700.7	17990.7	14048.5	10001.6	552.4	190.7	86.0
13°	20635.4	20234.4	20011.6	19787.7	19291.3	17701.6	13964.6	10445.2	573.1	194.8	86.0
11°	20465.5	20154.6	19895.5	19476.8	18838.4	17488.1	13960.4	10818.3	583.5	199.0	87.1
9°	20516.3	20149.4	19726.6	19136.9	18475.7	17314.0	14004.0	11108.4	581.4	202.1	87.1
7°	20590.9	20170.1	19562.8	18818.7	18152.4	17212.4	14066.1	11342.7	570.0	205.2	87.1
5°	20659.3	20182.6	19481.0	18555.5	17884.0	17104.7	14145.9	11534.4	564.8	208.3	87.1
3°	20664.5	20163.9	19371.1	18295.4	17668.4	17028.0	14234.0	11686.7	559.6	210.4	87.1
1°	20586.7	20045.8	19207.4	18061.2	17508.8	16958.5	14326.2	11771.7	556.5	209.3	87.1
0°	20526.6	19927.6	19092.3	17955.5	17403.1	16911.9	14372.9	11793.5	548.2	207.3	87.1
-1°	20410.6	19834.4	18968.0	17891.2	17329.5	16843.5	14402.9	11774.8	544.1	206.2	87.1
-3°	20167.0	19565.9	18772.1	17727.5	17138.9	16698.4	14461.0	11736.5	547.2	204.2	87.1
-5°	19843.7	19294.4	18568.0	17544.1	16920.2	16513.9	14468.2	11633.9	554.4	203.1	87.1
-7°	19493.4	18982.5	18246.7	17269.4	16635.2	16244.5	14421.6	11476.3	544.1	203.1	87.1
-9°	19060.2	18531.7	17798.0	16916.0	16327.4	15939.8	14320.0	11262.9	539.9	204.2	87.1
-11°	18605.3	18046.7	17351.3	16564.7	15994.7	15623.7	14181.2	11015.2	539.9	203.1	88.1
-13°	18138.9	17559.6	16919.2	16218.6	15703.5	15257.9	13991.5	10714.6	535.8	205.2	87.1
-15°	17668.4	17081.9	16533.6	15897.3	15434.1	14938.7	13764.6	10343.6	533.7	208.3	87.1
-17°	17054.9	16549.2	16090.1	15562.6	15120.1	14647.5	13514.8	9928.1	528.5	210.4	87.1
-19.5°	16146.0	15713.9	15375.0	15037.2	14703.5	14264.1	13207.0	9334.2	515.1	211.4	87.1
-22.5°	15617.5	15175.0	14833.0	14533.5	14271.3	13919.0	12861.9	8547.7	492.3	211.4	87.1
-25.5°	15083.8	14682.7	14322.1	14013.3	13831.9	13605.0	12578.0	7674.0	474.6	208.3	87.1
-29°	14255.8	13955.2	13620.5	13307.5	13164.5	13032.9	12161.4	6536.1	464.3	202.1	87.1
-33°	13424.6	13117.9	12764.5	12397.6	12249.4	12183.1	11152.0	5053.2	463.2	190.7	87.1
-37.5°	12764.5	12440.1	12027.7	11583.1	11214.1	10930.2	9551.9	3757.7	454.9	173.1	87.1
-42.5°	11571.7	11365.4	10848.3	10494.9	9781.9	8678.2	6757.9	2437.5	417.6	145.1	86.0
-47.5°	7735.2	7490.6	7312.4	7084.4	6446.0	5013.8	3441.7	902.6	378.3	114.0	86.0
-55°	2128.6	1990.8	2099.6	1828.1	1455.0	1069.5	898.5	333.7	295.4	98.5	85.0
-65°	1379.4	1423.9	1045.7	650.8	406.2	306.8	439.4	197.9	151.3	90.2	83.9
-75°	167.9	148.2	118.1	130.6	138.9	126.4	117.1	85.0	83.9	83.9	82.9
-85°	68.4	66.3	64.3	63.2	61.1	60.1	61.1	64.3	72.5	79.8	80.8
-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)