

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: P507780

Luminaire Tested: **UFLD-CA2-150-740-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-150-740-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

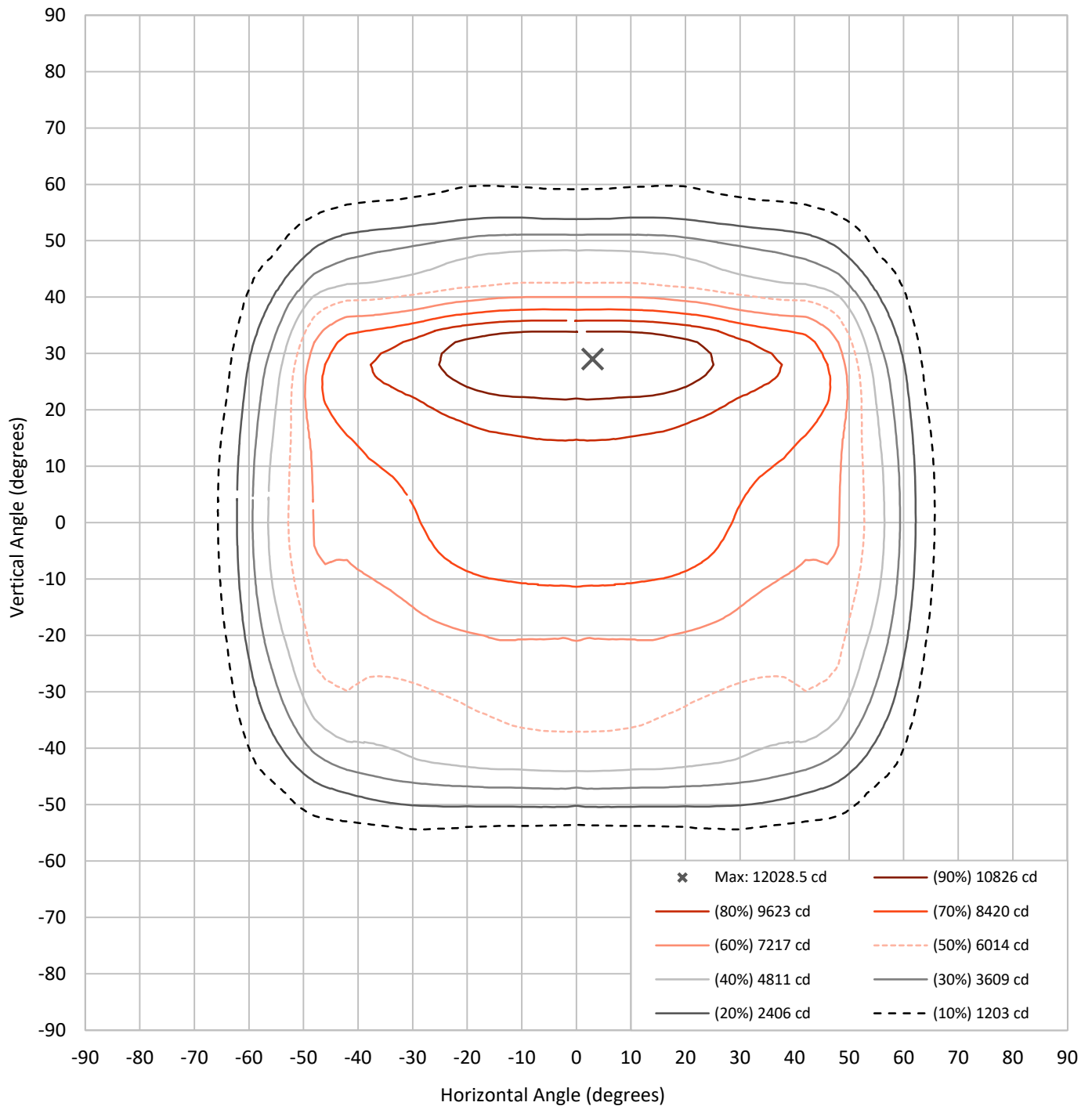
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22539 lumens	Max Intensity:	12028.5 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	149.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	16746.5 lumens	Field Lumens:	21781.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
Input Voltage (V):	120		
Input Current (A _{in}):	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:	24 FT		



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Iso-Candela Plot

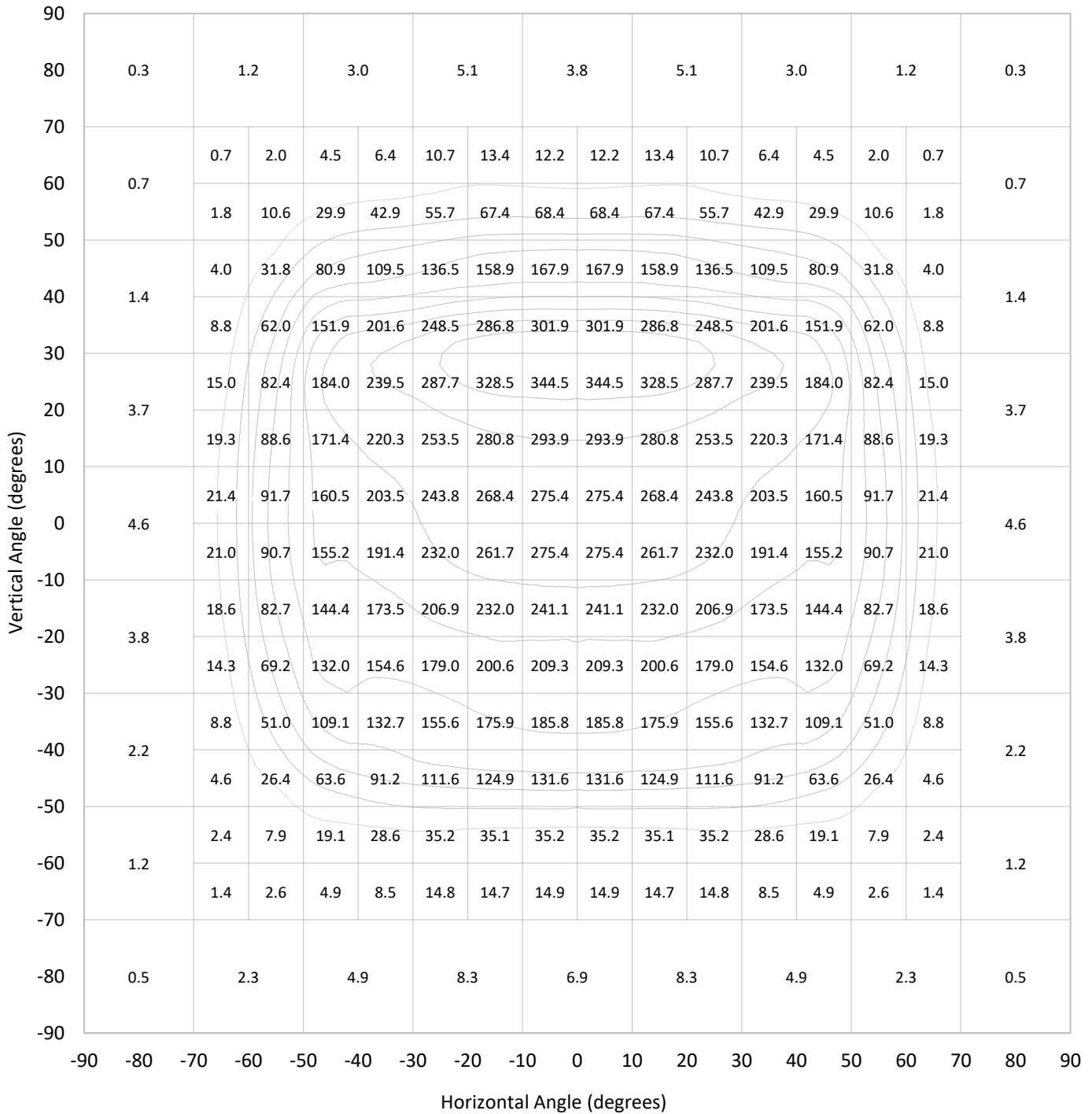




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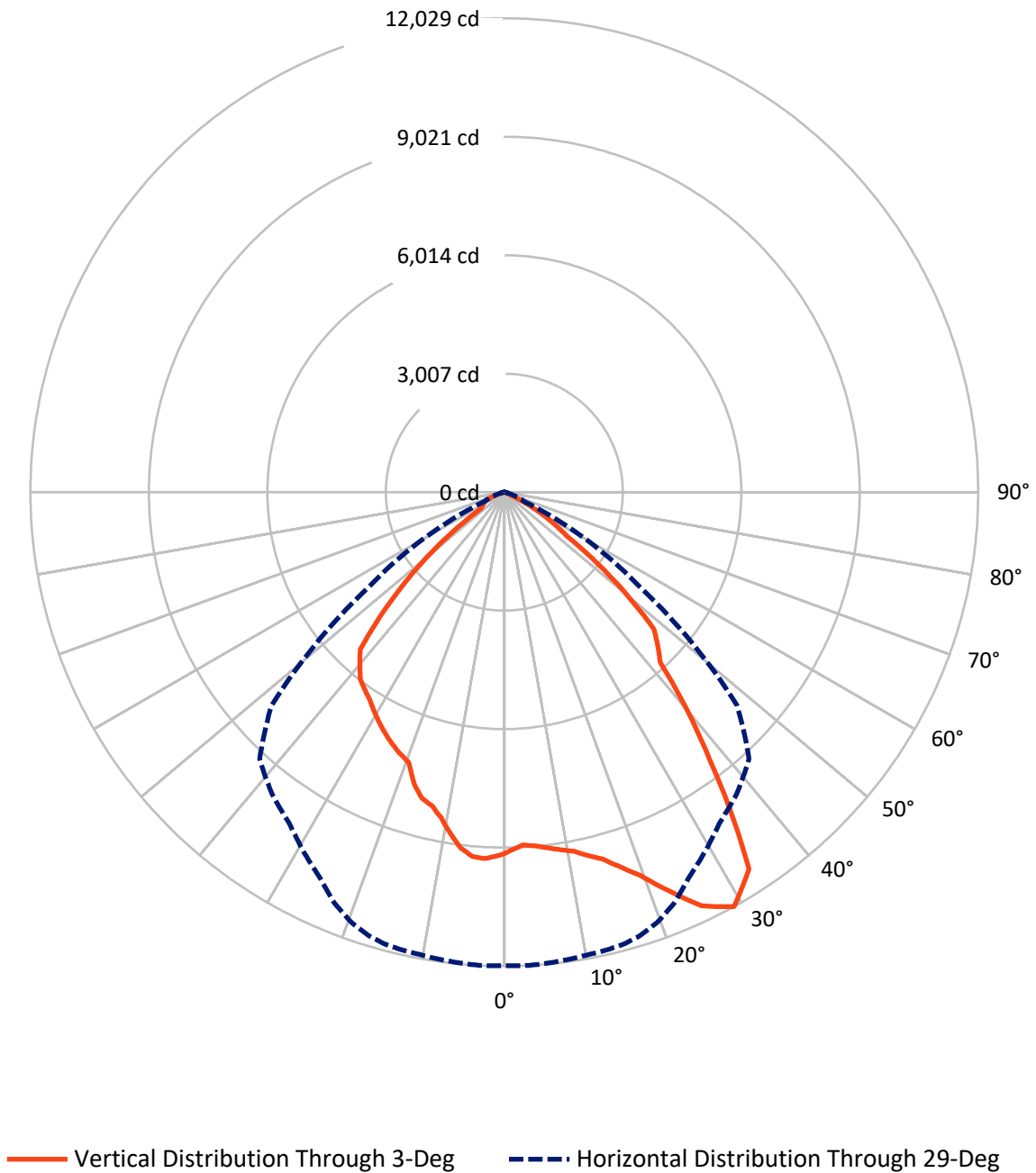
Lumen Table



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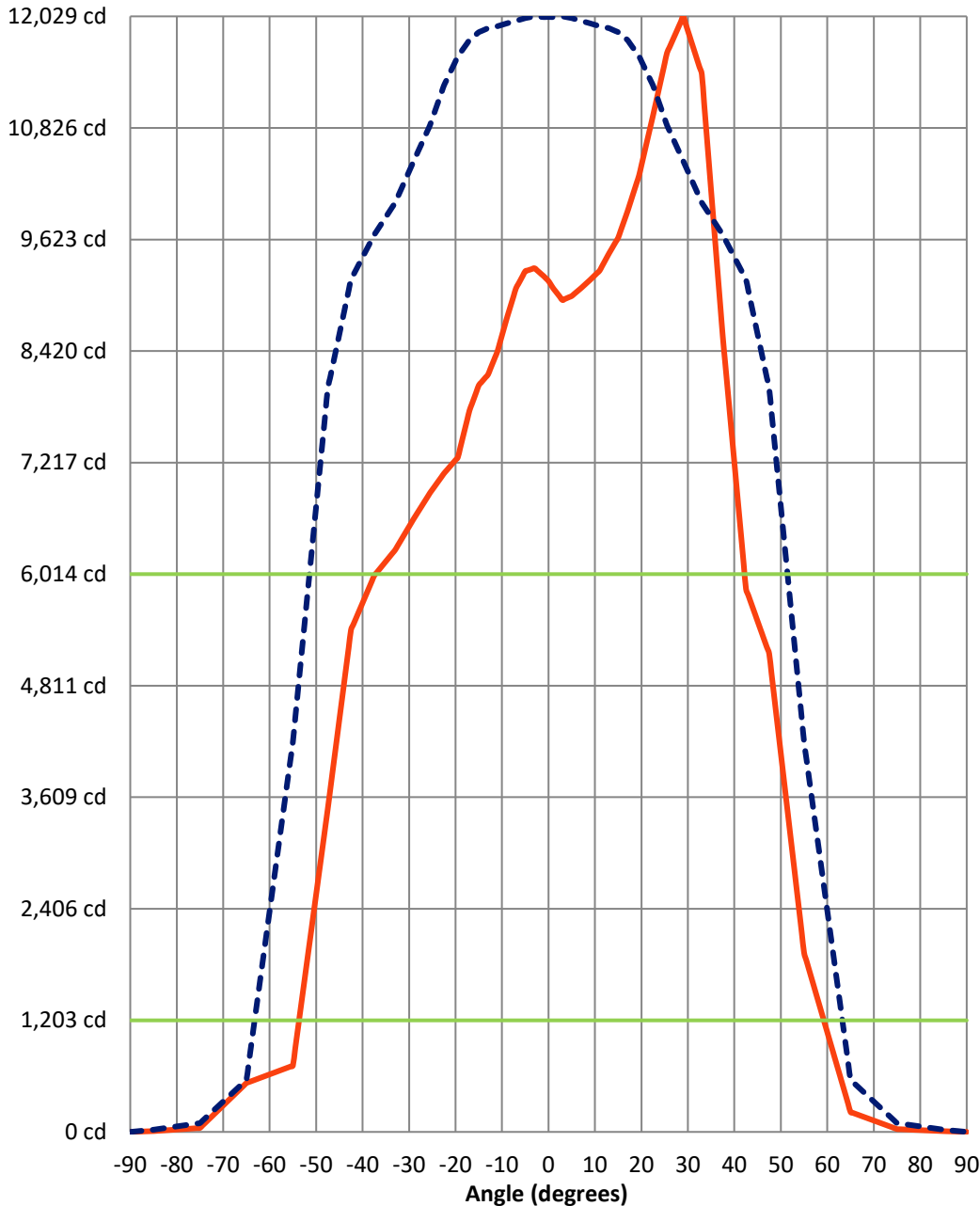
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 16746.5
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 21781.3
 Efficiency: 96.6%

Spill:
 Lumens: 757.7
 Efficiency: 3.4%

— Vertical Distribution through 3-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°	0.5	3.8	8.1	19.0	24.8	29.0	31.9	33.3	33.8	33.8	32.4
75°	28.1	28.6	30.5	27.6	21.9	23.8	34.8	39.5	43.8	45.2	42.9
65°	217.1	215.7	214.3	212.8	206.7	197.6	194.3	213.3	261.9	312.4	337.1
55°	1895.1	1888.5	1933.2	1901.8	1963.7	2023.2	2044.7	2050.9	2058.0	2021.8	1972.8
47.5°	5137.9	5182.6	5154.5	5150.7	5118.3	5067.9	5037.4	4987.9	4944.5	4935.5	4787.4
42.5°	5895.4	5875.4	5856.9	5898.3	5874.5	5894.5	5892.1	5841.6	5806.4	5734.0	5661.6
37.5°	8544.4	8559.1	8577.7	8581.5	8592.9	8544.8	8511.5	8476.3	8408.6	8293.4	8128.2
33°	11408.0	11434.2	11402.8	11400.9	11426.1	11414.7	11365.7	11319.9	11219.5	11084.2	10930.9
29°	12021.8	12020.4	12028.5	12009.4	11980.4	11952.3	11921.8	11901.3	11857.5	11773.3	11597.5
25.5°	11613.3	11619.9	11633.7	11622.8	11586.1	11565.6	11539.5	11503.7	11427.6	11337.1	11187.6
22.5°	10929.0	10981.4	10960.9	10947.1	10915.7	10865.7	10875.7	10841.9	10782.8	10690.4	10533.3
19.5°	10293.8	10320.0	10314.7	10276.7	10257.1	10216.2	10197.1	10172.4	10122.4	10065.2	9958.1
17°	9887.1	9935.7	9925.2	9901.9	9871.4	9844.3	9810.0	9789.1	9748.1	9685.3	9555.3
15°	9645.7	9667.6	9641.9	9637.2	9641.4	9587.6	9565.7	9512.4	9499.5	9446.7	9331.9
13°	9441.9	9452.9	9470.0	9442.9	9438.1	9419.1	9373.4	9351.0	9306.2	9284.8	9201.9
11°	9281.9	9356.7	9286.2	9305.7	9283.8	9281.0	9255.3	9242.9	9209.6	9176.7	9125.8
9°	9198.6	9211.5	9189.1	9188.1	9178.1	9160.0	9153.9	9152.9	9146.2	9128.1	9096.7
7°	9096.7	9107.7	9097.2	9086.7	9079.1	9071.5	9092.9	9100.0	9131.0	9105.3	9075.3
5°	9027.2	9016.7	9012.9	9011.0	9030.0	9030.0	9072.0	9095.8	9124.8	9132.9	9093.9
3°	8967.7	8980.5	8969.1	8982.9	9020.5	9040.5	9096.7	9131.5	9150.5	9151.0	9135.3
1°	9060.0	9091.5	9097.7	9107.2	9121.0	9133.4	9175.3	9206.2	9185.8	9186.7	9122.9
0°	9146.7	9159.1	9175.3	9164.3	9182.4	9193.4	9223.4	9229.6	9221.5	9185.3	9099.6
-1°	9237.7	9234.8	9225.8	9223.8	9228.1	9215.3	9231.9	9211.5	9187.2	9154.8	9074.3
-3°	9302.9	9326.7	9313.8	9299.1	9252.4	9252.4	9233.8	9157.7	9124.8	9091.0	8977.7
-5°	9248.1	9278.6	9280.5	9233.4	9161.0	9141.9	9082.9	9037.2	8980.1	8924.8	8810.5
-7°	9126.2	9110.0	9095.8	9034.8	8987.2	8942.4	8863.9	8784.3	8769.6	8717.2	8616.7
-9°	8790.1	8801.5	8767.7	8751.5	8699.1	8641.0	8618.2	8561.5	8531.5	8484.8	8392.5
-11°	8456.3	8410.6	8413.9	8425.3	8388.2	8388.6	8363.9	8329.6	8325.3	8281.0	8202.9
-13°	8192.9	8189.6	8167.2	8186.3	8179.1	8180.1	8156.8	8152.5	8144.4	8113.9	8008.7
-15°	8019.1	8047.2	8050.1	8033.9	8037.7	8028.7	8020.1	7999.6	7993.4	7945.3	7835.3
-17°	7766.3	7775.8	7778.2	7776.8	7764.9	7774.4	7784.9	7776.8	7746.8	7710.1	7621.5
-19.5°	7298.7	7260.6	7273.9	7287.3	7291.1	7290.6	7305.8	7331.6	7307.7	7259.7	7186.3
-22.5°	7132.0	7123.9	7099.2	7107.3	7103.5	7091.6	7091.6	7093.5	7079.7	7029.2	6929.2
-25.5°	6882.1	6893.5	6889.7	6884.4	6883.5	6862.1	6863.0	6866.3	6839.2	6783.5	6693.5
-29°	6606.4	6614.0	6611.1	6598.3	6580.6	6542.1	6525.9	6489.7	6441.6	6410.6	6337.8
-33°	6292.6	6273.5	6274.5	6272.6	6249.2	6226.8	6199.7	6154.5	6104.9	6066.4	5989.2
-37.5°	5996.9	6007.8	5997.8	6001.1	5987.8	5965.4	5941.1	5906.9	5858.3	5802.6	5725.9
-42.5°	5432.1	5424.0	5411.6	5384.5	5373.6	5321.7	5289.7	5290.7	5279.7	5237.4	5164.5
-47.5°	3372.2	3461.7	3482.2	3464.6	3447.5	3440.3	3404.1	3401.3	3404.1	3381.3	3325.1
-55°	696.6	694.3	714.3	728.5	758.1	769.5	775.2	754.2	777.6	825.7	849.0
-65°	536.6	534.7	527.1	526.6	519.5	516.6	516.2	511.4	514.7	529.0	545.2
-75°	41.9	41.9	42.4	37.6	34.8	39.0	50.9	54.8	60.5	58.1	64.8
-85°	1.4	4.3	8.6	20.0	25.7	29.5	32.4	33.8	33.8	33.3	32.9
-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°	30.0	28.1	26.7	24.8	21.4	18.1	15.7	13.3	15.2	13.3	16.2
75°	38.6	39.0	49.0	61.4	55.2	37.1	25.7	21.4	28.1	16.2	17.6
65°	293.8	189.5	117.6	88.6	71.9	60.9	74.8	56.7	52.4	26.2	18.6
55°	1851.3	1728.0	1637.5	1522.3	1484.7	1378.5	1115.2	453.8	83.3	42.4	20.0
47.5°	4626.9	4419.8	4186.0	3924.1	3698.4	3386.0	2774.2	1213.8	100.0	54.8	21.4
42.5°	5535.5	5299.7	5158.3	4967.4	4756.0	4686.0	4219.8	2090.4	102.9	62.4	21.9
37.5°	7986.8	7723.0	7359.7	7079.2	6857.3	6825.4	5951.6	2950.8	163.8	71.9	22.9
33°	10636.6	10250.0	9749.1	9316.2	8939.1	8600.5	7292.5	3643.6	381.4	82.9	23.3
29°	11282.3	10854.7	10468.6	10019.0	9672.4	9191.5	8011.5	4206.5	560.9	94.8	23.8
25.5°	10881.9	10561.4	10185.7	9832.4	9572.9	9237.2	8322.0	4521.2	706.2	105.7	24.3
22.5°	10290.9	10009.5	9697.2	9472.4	9331.5	9072.0	8298.2	4695.5	821.9	115.2	24.8
19.5°	9771.9	9575.7	9323.4	9184.3	9123.4	8811.5	8058.7	4870.2	926.1	125.2	25.2
17°	9412.9	9243.8	9077.2	9011.5	8950.5	8547.7	7840.6	4992.6	1011.4	130.5	25.7
15°	9202.9	9080.5	8961.0	8913.9	8799.1	8315.8	7695.3	5074.0	1070.9	134.8	26.2
13°	9102.4	9022.0	8915.3	8825.8	8630.1	8106.3	7588.2	5169.8	1119.5	138.6	26.2
11°	9047.2	8972.4	8829.6	8697.2	8422.0	7921.1	7524.9	5252.1	1159.5	140.5	26.7
9°	9015.8	8925.8	8751.5	8518.2	8252.0	7760.1	7487.3	5311.7	1192.8	141.4	27.1
7°	9025.8	8878.2	8651.0	8382.9	8097.2	7661.1	7454.4	5355.0	1215.7	140.9	27.6
5°	9022.4	8830.1	8568.6	8293.9	7977.7	7568.7	7429.2	5389.3	1226.1	139.5	28.1
3°	9004.8	8806.2	8494.8	8163.9	7871.1	7494.9	7417.7	5411.2	1235.7	138.1	28.1
1°	8976.7	8748.6	8400.1	8090.6	7796.3	7425.4	7405.4	5420.2	1233.3	136.7	28.1
0°	8948.6	8721.0	8369.1	8052.5	7762.0	7387.7	7387.3	5443.1	1229.0	135.7	28.1
-1°	8902.9	8661.5	8314.8	7995.8	7717.3	7394.4	7388.2	5422.6	1224.2	134.3	28.6
-3°	8777.7	8552.0	8225.3	7911.1	7635.4	7345.8	7372.0	5402.6	1215.7	132.9	29.0
-5°	8635.8	8417.2	8124.4	7812.5	7540.6	7273.0	7334.9	5346.4	1195.7	131.9	29.0
-7°	8455.3	8291.0	7978.2	7675.4	7417.7	7169.2	7264.9	5292.1	1173.8	130.9	29.5
-9°	8270.6	8098.7	7820.1	7518.7	7282.0	7083.0	7169.2	5207.8	1144.7	130.0	29.5
-11°	8082.0	7904.9	7626.8	7346.8	7121.1	6947.8	7068.2	5113.6	1112.3	130.0	30.0
-13°	7856.3	7694.4	7442.0	7190.1	6973.5	6845.4	6959.7	4994.5	1072.8	130.5	30.0
-15°	7682.5	7509.6	7267.8	7032.0	6835.4	6740.2	6833.0	4842.6	1035.2	131.4	30.5
-17°	7475.4	7325.8	7104.9	6884.9	6707.3	6638.7	6706.3	4688.8	986.6	131.9	30.5
-19.5°	7071.1	6934.9	6794.9	6650.2	6533.5	6511.6	6544.5	4486.9	920.9	132.9	30.5
-22.5°	6799.2	6661.1	6508.7	6396.4	6316.4	6391.6	6350.2	4206.9	827.6	134.3	30.5
-25.5°	6576.4	6449.2	6296.8	6188.8	6143.0	6307.8	6171.6	3904.1	723.3	134.3	30.5
-29°	6232.6	6121.6	5985.0	5882.6	5857.8	6114.5	5825.4	3554.1	600.4	132.4	30.5
-33°	5855.9	5731.2	5593.1	5484.0	5437.8	5783.5	5254.5	3134.6	447.1	127.1	30.5
-37.5°	5615.9	5476.4	5322.1	5150.7	5046.4	5093.6	4491.2	2532.7	260.0	118.1	30.0
-42.5°	5035.5	4949.8	4759.8	4574.5	4301.2	3974.1	3348.9	1816.6	198.6	107.1	30.0
-47.5°	3329.4	3266.5	3205.6	3088.9	2828.4	2488.5	2091.3	1006.1	189.0	93.8	29.5
-55°	920.0	932.8	988.0	920.4	804.7	705.2	684.3	307.1	173.8	71.9	28.1
-65°	577.6	585.7	477.6	338.1	228.6	174.8	177.1	117.6	115.7	41.9	26.2
-75°	70.5	70.9	59.5	56.7	57.1	65.2	68.1	56.7	45.7	23.8	24.3
-85°	31.9	31.4	30.5	29.5	29.0	27.6	25.7	23.3	21.4	21.9	21.9
-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)