

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: P507814

Luminaire Tested: **UFLD-L-CA4-250-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507814
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-L-CA4-250-727-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	32669 lumens	Max Intensity:	17434.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	130.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' 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:	24273.1 lumens	Field Lumens:	31570.8 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

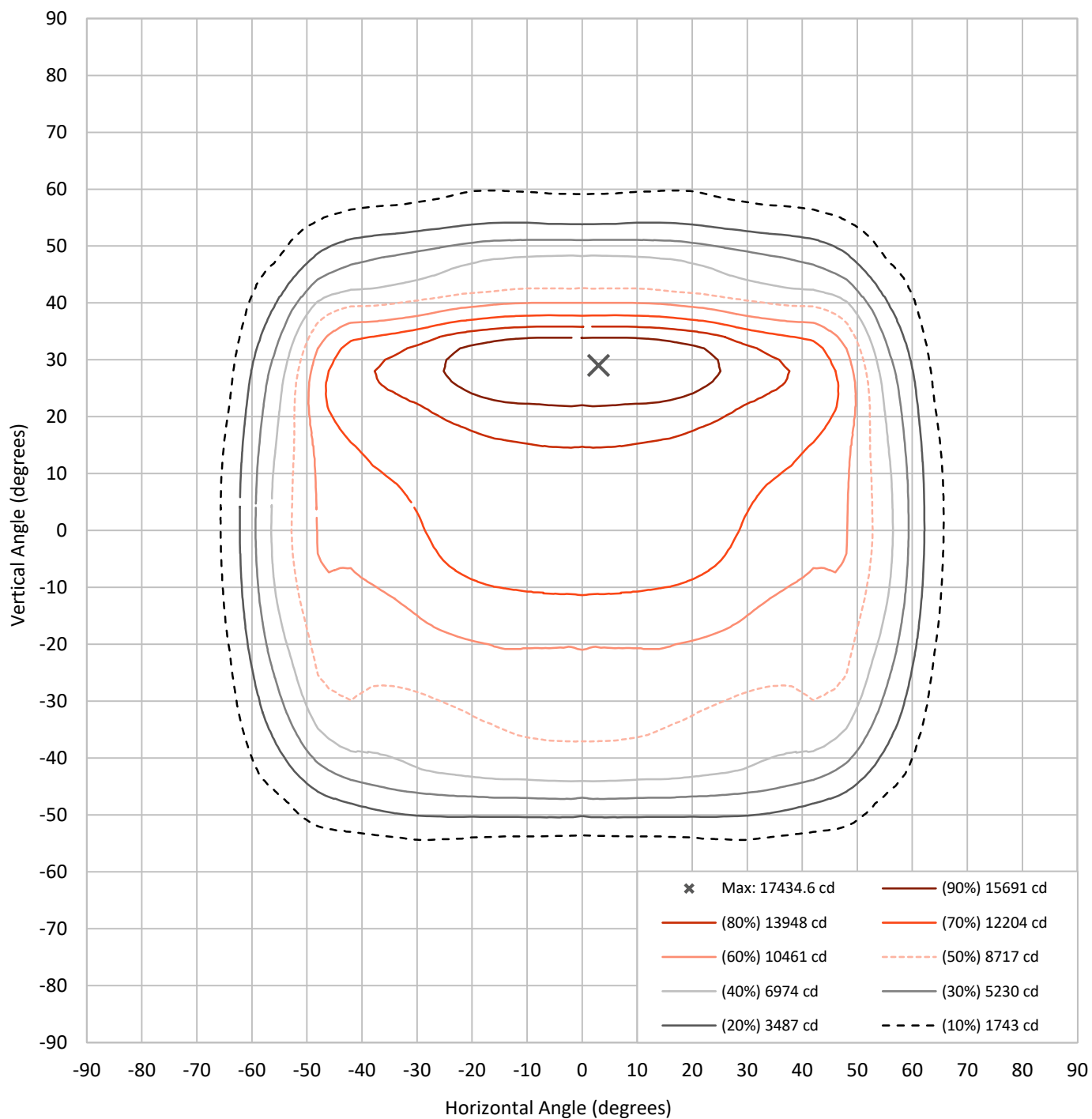
Input Watts (W): 251.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

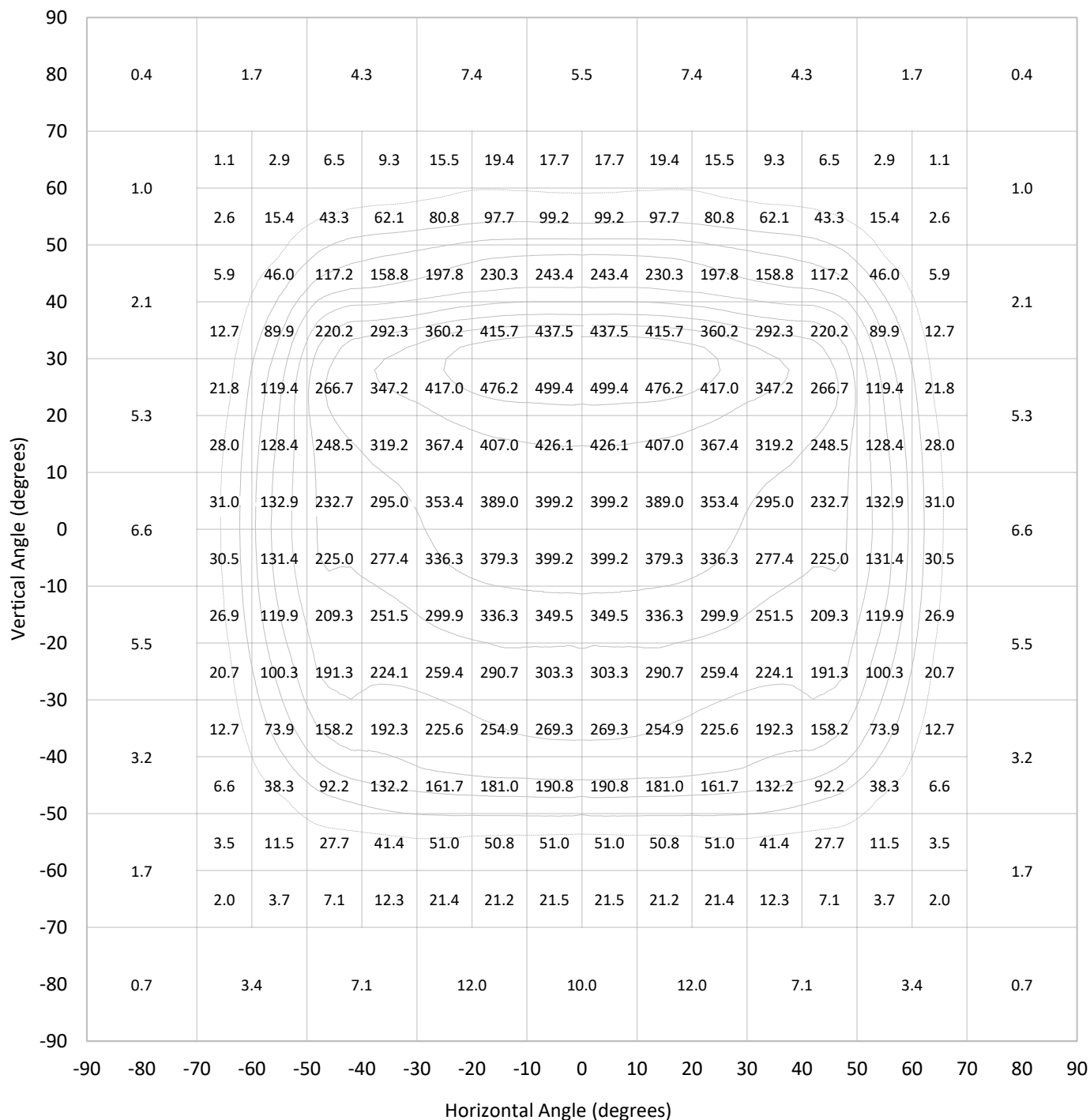




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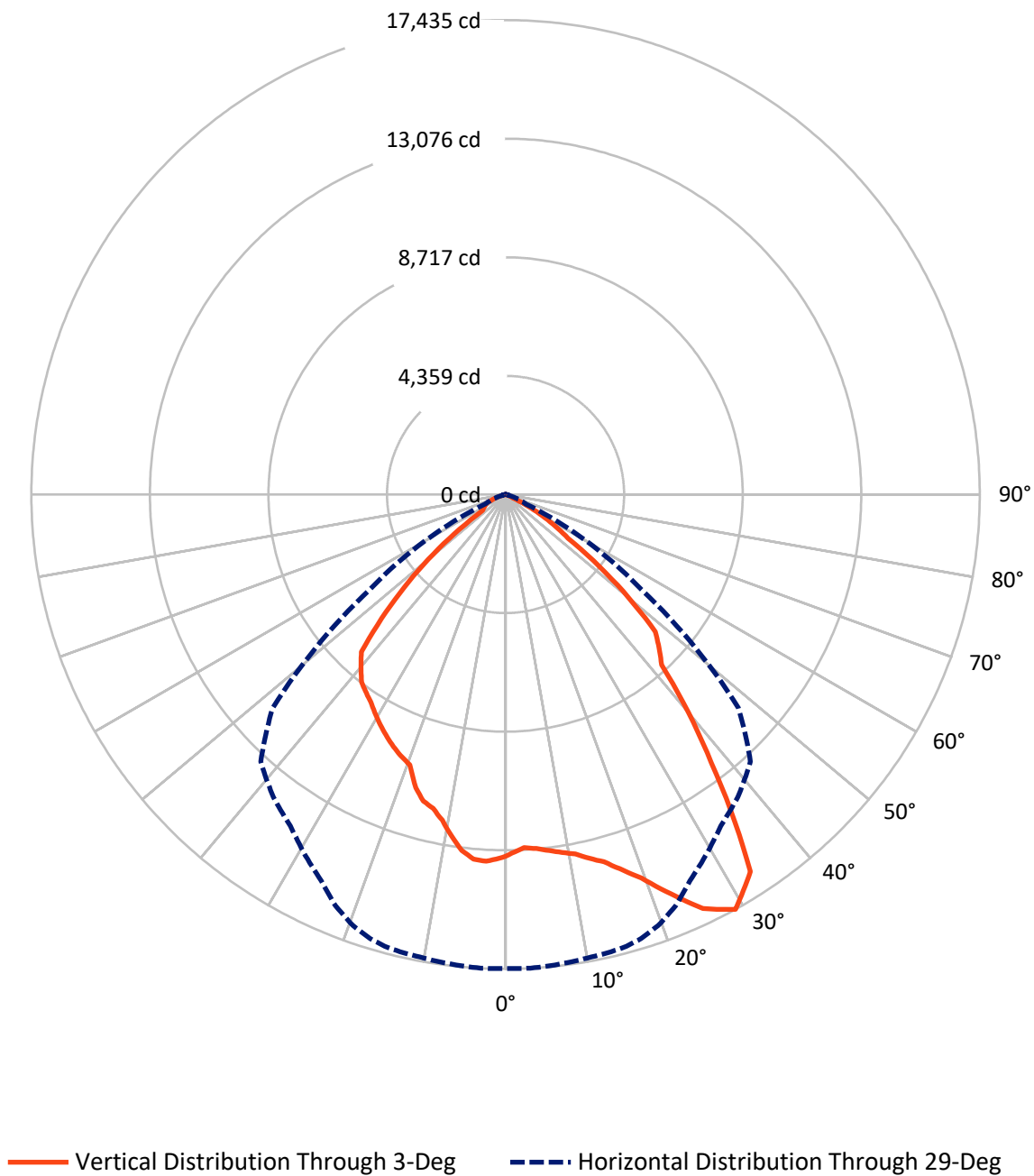
Lumen Table



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Luminous Intensity Polar Plot

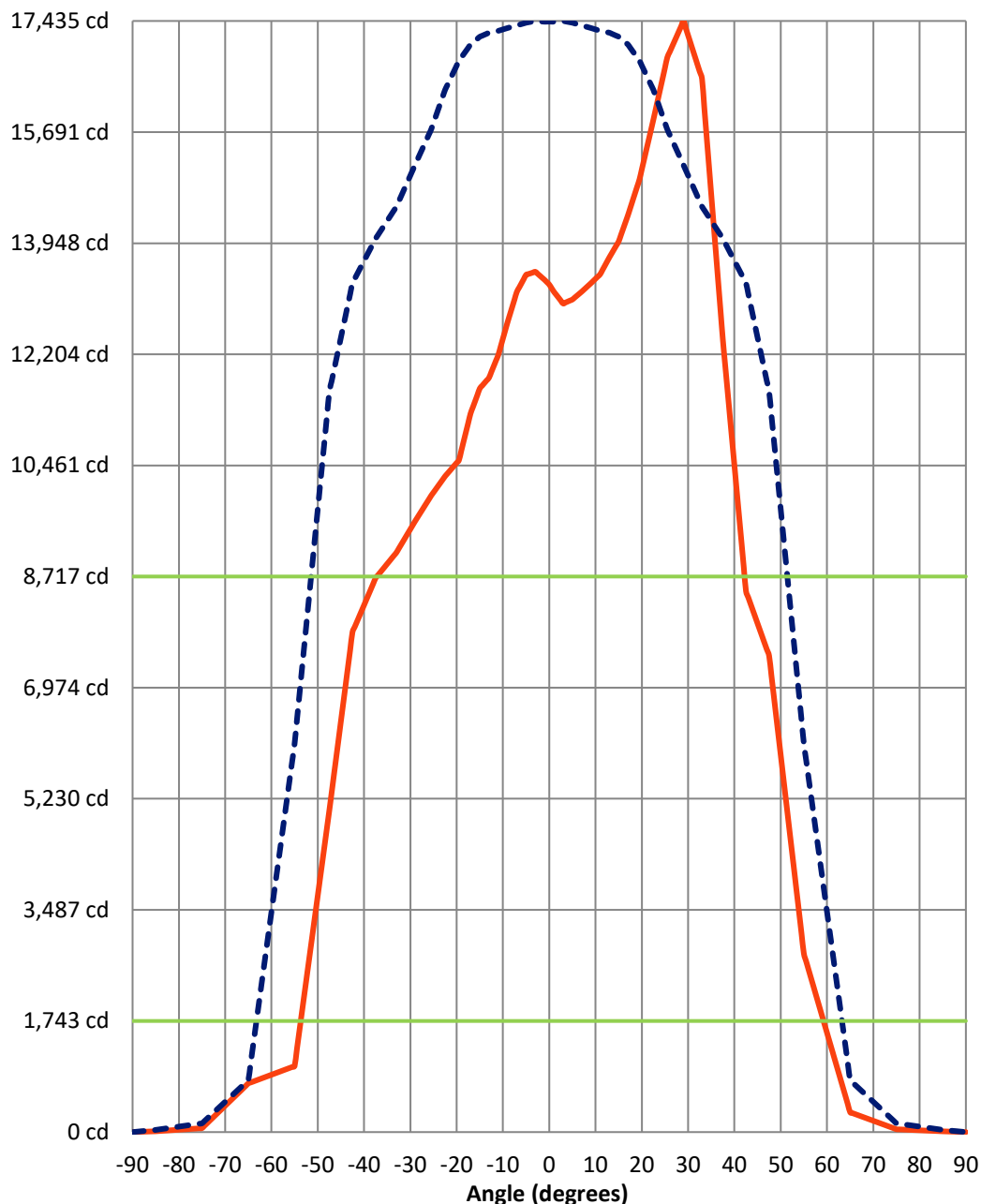




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Luminous Intensity Plot



Beam:

H Angle: 102.9°
V Angle: 79.4°
Lumens: 24273.1
Efficiency: 74.3%

Field:

H Angle: 126.5°
V Angle: 112.9°
Lumens: 31570.8
Efficiency: 96.6%

Spill:

Lumens: 1098.2
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°	0.7	5.5	11.7	27.6	35.9	42.1	46.2	48.3	49.0	49.0	46.9
75°	40.7	41.4	44.2	40.0	31.7	34.5	50.4	57.3	63.5	65.6	62.1
65°	314.7	312.7	310.6	308.5	299.5	286.4	281.6	309.2	379.6	452.8	488.6
55°	2746.9	2737.2	2802.1	2756.6	2846.3	2932.6	2963.6	2972.6	2983.0	2930.5	2859.4
47.5°	7447.0	7511.9	7471.2	7465.7	7418.7	7345.6	7301.4	7229.6	7166.8	7153.7	6939.1
42.5°	8545.1	8516.1	8489.2	8549.2	8514.7	8543.7	8540.3	8467.1	8416.0	8311.1	8206.2
37.5°	12384.6	12406.0	12432.9	12438.4	12455.0	12385.2	12336.9	12285.9	12187.9	12020.8	11781.3
33°	16535.3	16573.3	16527.7	16524.9	16561.5	16545.0	16473.9	16407.6	16262.0	16066.0	15843.7
29°	17424.9	17422.9	17434.6	17407.0	17364.9	17324.2	17280.0	17250.3	17186.8	17064.7	16810.0
25.5°	16832.8	16842.4	16862.4	16846.6	16793.4	16763.7	16725.8	16674.0	16563.6	16432.5	16215.7
22.5°	15841.0	15916.9	15887.2	15867.2	15821.6	15749.2	15763.7	15714.7	15629.1	15495.2	15267.4
19.5°	14920.3	14958.2	14950.6	14895.4	14867.1	14807.8	14780.2	14744.3	14671.8	14589.0	14433.7
17°	14330.9	14401.3	14386.1	14352.3	14308.1	14268.7	14219.1	14188.7	14129.3	14038.2	13849.8
15°	13980.9	14012.7	13975.4	13968.5	13974.7	13896.7	13865.0	13787.7	13769.1	13692.4	13526.1
13°	13685.5	13701.4	13726.3	13686.9	13680.0	13652.4	13586.2	13553.7	13488.8	13457.8	13337.7
11°	13453.6	13562.0	13459.9	13488.2	13456.4	13452.3	13415.0	13397.1	13348.7	13301.1	13227.3
9°	13332.9	13351.5	13319.1	13317.7	13303.2	13277.0	13268.0	13266.6	13256.9	13230.7	13185.2
7°	13185.2	13201.0	13185.9	13170.7	13159.6	13148.6	13179.6	13190.0	13234.9	13197.6	13154.1
5°	13084.4	13069.2	13063.7	13060.9	13088.5	13088.5	13149.3	13183.8	13225.9	13237.6	13181.0
3°	12998.1	13016.8	13000.2	13020.2	13074.7	13103.7	13185.2	13235.5	13263.2	13263.8	13241.1
1°	13132.0	13177.6	13186.5	13200.4	13220.4	13238.3	13299.0	13343.9	13314.2	13315.6	13223.1
0°	13257.6	13275.6	13299.0	13283.2	13309.4	13325.3	13368.8	13377.7	13366.0	13313.5	13189.3
-1°	13389.5	13385.3	13372.2	13369.4	13375.7	13357.0	13381.2	13351.5	13316.3	13269.4	13152.7
-3°	13484.0	13518.5	13499.9	13478.5	13410.9	13410.9	13383.9	13273.5	13225.9	13176.9	13012.6
-5°	13404.6	13448.8	13451.6	13383.2	13278.3	13250.7	13165.2	13098.9	13016.1	12936.0	12770.4
-7°	13228.0	13204.5	13183.8	13095.4	13026.4	12961.5	12847.7	12732.4	12711.0	12635.1	12489.5
-9°	12740.7	12757.3	12708.3	12684.8	12608.9	12524.7	12491.5	12409.4	12365.9	12298.3	12164.4
-11°	12256.9	12190.6	12195.5	12212.0	12158.2	12158.9	12123.0	12073.3	12067.1	12002.9	11889.7
-13°	11875.2	11870.4	11837.9	11865.5	11855.2	11856.6	11822.8	11816.5	11804.8	11760.6	11608.1
-15°	11623.3	11664.0	11668.2	11644.7	11650.2	11637.1	11624.7	11595.0	11586.0	11516.3	11356.9
-17°	11256.8	11270.6	11274.1	11272.0	11254.7	11268.5	11283.7	11272.0	11228.5	11175.4	11047.0
-19.5°	10579.1	10523.8	10543.2	10562.5	10568.0	10567.3	10589.4	10626.7	10592.2	10522.5	10416.2
-22.5°	10337.5	10325.8	10289.9	10301.6	10296.1	10278.8	10278.8	10281.6	10261.6	10188.4	10043.5
-25.5°	9975.1	9991.7	9986.2	9978.6	9977.2	9946.2	9947.5	9952.4	9913.0	9832.3	9701.8
-29°	9575.5	9586.6	9582.4	9563.8	9538.3	9482.4	9458.9	9406.4	9336.7	9291.9	9186.3
-33°	9120.7	9093.1	9094.5	9091.7	9057.9	9025.5	8986.1	8920.6	8848.8	8792.9	8681.1
-37.5°	8692.1	8708.0	8693.5	8698.3	8679.0	8646.6	8611.4	8561.7	8491.3	8410.5	8299.4
-42.5°	7873.6	7861.8	7843.9	7804.5	7788.7	7713.4	7667.2	7668.6	7652.7	7591.3	7485.7
-47.5°	4887.8	5017.6	5047.3	5021.7	4996.9	4986.5	4934.1	4929.9	4934.1	4901.0	4819.5
-55°	1009.7	1006.3	1035.3	1056.0	1098.8	1115.3	1123.6	1093.2	1127.1	1196.8	1230.6
-65°	777.8	775.1	764.0	763.3	753.0	748.8	748.2	741.3	746.1	766.8	790.3
-75°	60.7	60.7	61.4	54.5	50.4	56.6	73.8	79.4	87.7	84.2	93.9
-85°	2.1	6.2	12.4	29.0	37.3	42.8	46.9	49.0	49.0	48.3	47.6
-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°	43.5	40.7	38.6	35.9	31.1	26.2	22.8	19.3	22.1	19.3	23.5
75°	55.9	56.6	71.1	89.0	80.1	53.8	37.3	31.1	40.7	23.5	25.5
65°	425.8	274.7	170.5	128.4	104.2	88.3	108.4	82.1	75.9	38.0	26.9
55°	2683.4	2504.7	2373.5	2206.5	2152.0	1998.1	1616.4	657.7	120.8	61.4	29.0
47.5°	6706.5	6406.2	6067.4	5687.8	5360.6	4907.9	4021.0	1759.3	144.9	79.4	31.1
42.5°	8023.3	7681.7	7476.7	7199.9	6893.5	6792.0	6116.4	3029.9	149.1	90.4	31.7
37.5°	11576.4	11194.0	10667.4	10260.9	9939.3	9893.0	8626.5	4277.0	237.4	104.2	33.1
33°	15417.2	14856.8	14130.7	13503.3	12956.7	12466.0	10570.1	5281.2	552.8	120.1	33.8
29°	16353.1	15733.3	15173.6	14522.0	14019.6	13322.5	11612.2	6097.0	813.0	137.3	34.5
25.5°	15772.6	15308.2	14763.6	14251.5	13875.3	13388.8	12062.2	6553.2	1023.5	153.2	35.2
22.5°	14916.1	14508.2	14055.5	13729.7	13525.4	13149.3	12027.7	6805.8	1191.2	167.0	35.9
19.5°	14163.8	13879.5	13513.7	13312.2	13223.8	12771.7	11680.6	7059.1	1342.4	181.5	36.6
17°	13643.4	13398.4	13156.9	13061.6	12973.3	12389.4	11364.5	7236.5	1465.9	189.1	37.3
15°	13339.1	13161.7	12988.5	12920.1	12753.8	12053.3	11154.0	7354.5	1552.2	195.3	38.0
13°	13193.4	13076.8	12922.2	12792.5	12508.8	11749.6	10998.7	7493.3	1622.6	200.8	38.0
11°	13113.4	13005.0	12798.0	12606.1	12207.2	11481.1	10906.9	7612.7	1680.6	203.6	38.6
9°	13067.8	12937.4	12684.8	12346.6	11960.8	11247.8	10852.4	7698.9	1728.9	205.0	39.3
7°	13082.3	12868.4	12539.2	12150.6	11736.5	11104.3	10804.7	7761.7	1762.0	204.3	40.0
5°	13077.5	12798.7	12419.8	12021.5	11563.2	10970.4	10768.2	7811.4	1777.2	202.2	40.7
3°	13052.0	12764.2	12312.8	11833.1	11408.6	10863.4	10751.6	7843.2	1791.0	200.2	40.7
1°	13011.2	12680.6	12175.4	11726.8	11300.3	10762.6	10733.7	7856.3	1787.6	198.1	40.7
0°	12970.5	12640.6	12130.6	11671.6	11250.6	10708.1	10707.4	7889.4	1781.4	196.7	40.7
-1°	12904.3	12554.3	12051.9	11589.5	11185.7	10717.8	10708.8	7859.8	1774.4	194.6	41.4
-3°	12722.7	12395.6	11922.1	11466.6	11067.0	10647.4	10685.3	7830.8	1762.0	192.6	42.1
-5°	12517.1	12200.3	11775.8	11323.8	10929.7	10541.8	10631.5	7749.3	1733.0	191.2	42.1
-7°	12255.5	12017.4	11563.9	11125.0	10751.6	10391.3	10530.1	7670.6	1701.3	189.8	42.8
-9°	11987.7	11738.6	11334.8	10897.9	10554.9	10266.4	10391.3	7548.5	1659.2	188.4	42.8
-11°	11714.4	11457.6	11054.6	10648.8	10321.6	10070.4	10245.0	7411.8	1612.3	188.4	43.5
-13°	11387.3	11152.6	10786.8	10421.7	10107.7	9922.0	10087.6	7239.3	1555.0	189.1	43.5
-15°	11135.3	10884.8	10534.2	10192.6	9907.5	9769.5	9904.1	7019.1	1500.4	190.5	44.2
-17°	10835.1	10618.4	10298.2	9979.3	9721.9	9622.5	9720.5	6796.2	1430.0	191.2	44.2
-19.5°	10249.1	10051.8	9848.8	9639.0	9469.9	9438.2	9485.8	6503.6	1334.8	192.6	44.2
-22.5°	9855.1	9654.9	9434.0	9271.2	9155.2	9264.3	9204.2	6097.7	1199.5	194.6	44.2
-25.5°	9532.1	9347.8	9126.9	8970.2	8904.0	9142.8	8945.4	5658.8	1048.4	194.6	44.2
-29°	9033.7	8872.9	8674.9	8526.5	8490.6	8862.6	8443.6	5151.5	870.3	191.9	44.2
-33°	8487.8	8307.0	8106.8	7948.8	7881.8	8382.9	7616.1	4543.4	648.1	184.3	44.2
-37.5°	8140.0	7937.7	7714.1	7465.7	7314.5	7382.8	6509.8	3671.1	376.8	171.2	43.5
-42.5°	7298.6	7174.4	6899.0	6630.5	6234.4	5760.2	4854.0	2633.0	287.8	155.3	43.5
-47.5°	4825.7	4734.6	4646.3	4477.2	4099.7	3606.9	3031.3	1458.3	274.0	136.0	42.8
-55°	1333.4	1352.1	1432.1	1334.1	1166.4	1022.2	991.8	445.2	251.9	104.2	40.7
-65°	837.2	848.9	692.2	490.0	331.3	253.3	256.7	170.5	167.7	60.7	38.0
-75°	102.1	102.8	86.3	82.1	82.8	94.6	98.7	82.1	66.3	34.5	35.2
-85°	46.2	45.6	44.2	42.8	42.1	40.0	37.3	33.8	31.1	31.7	31.7
-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):

	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)