

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: P507817

Luminaire Tested: **UFLD-L-CA4-250-750-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507817
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-CA4-250-750-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	39287 lumens	Max Intensity:	20966.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	156.3 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:	29190.2 lumens	Field Lumens:	37966.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

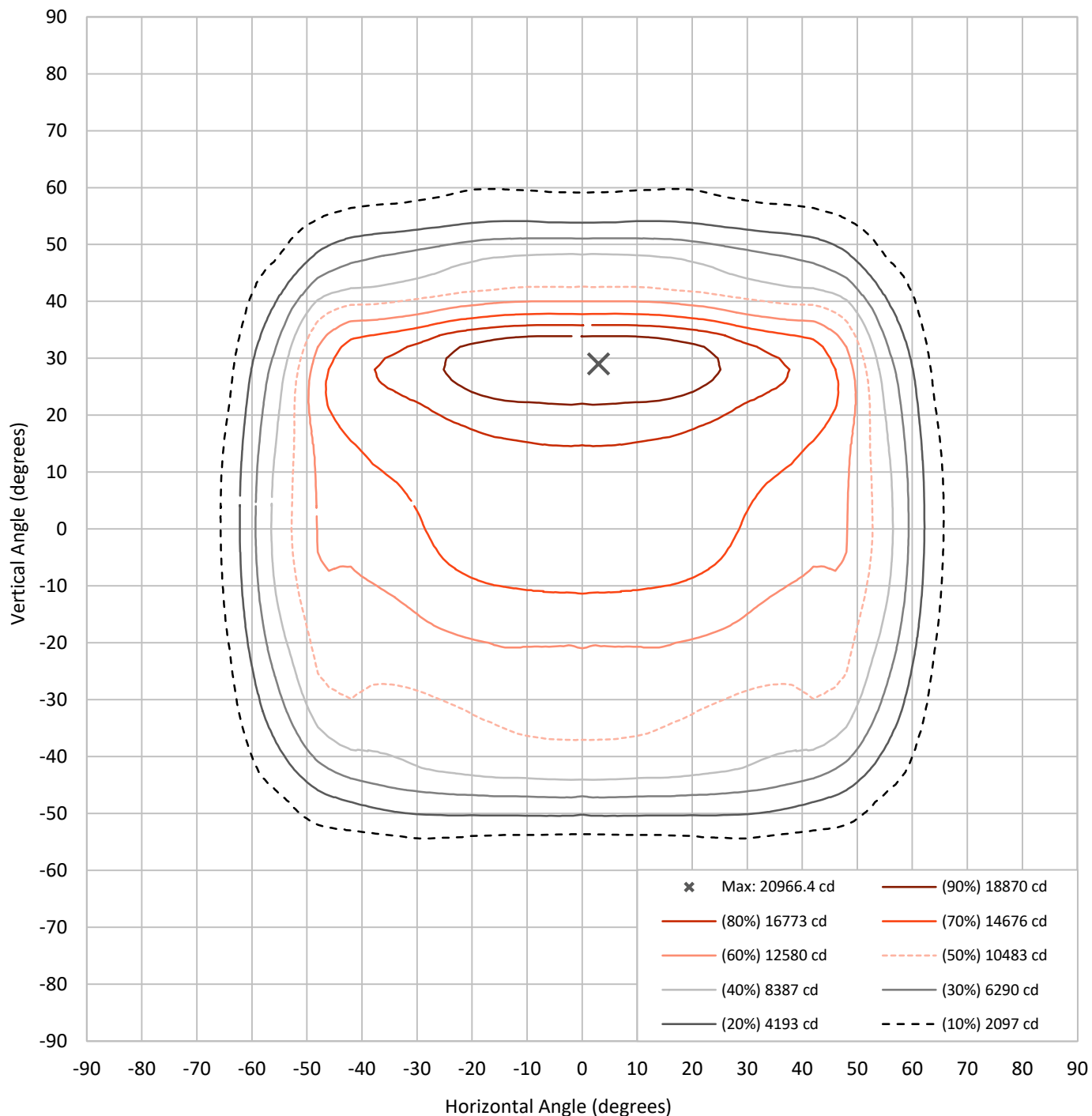
Input Watts (W): 251.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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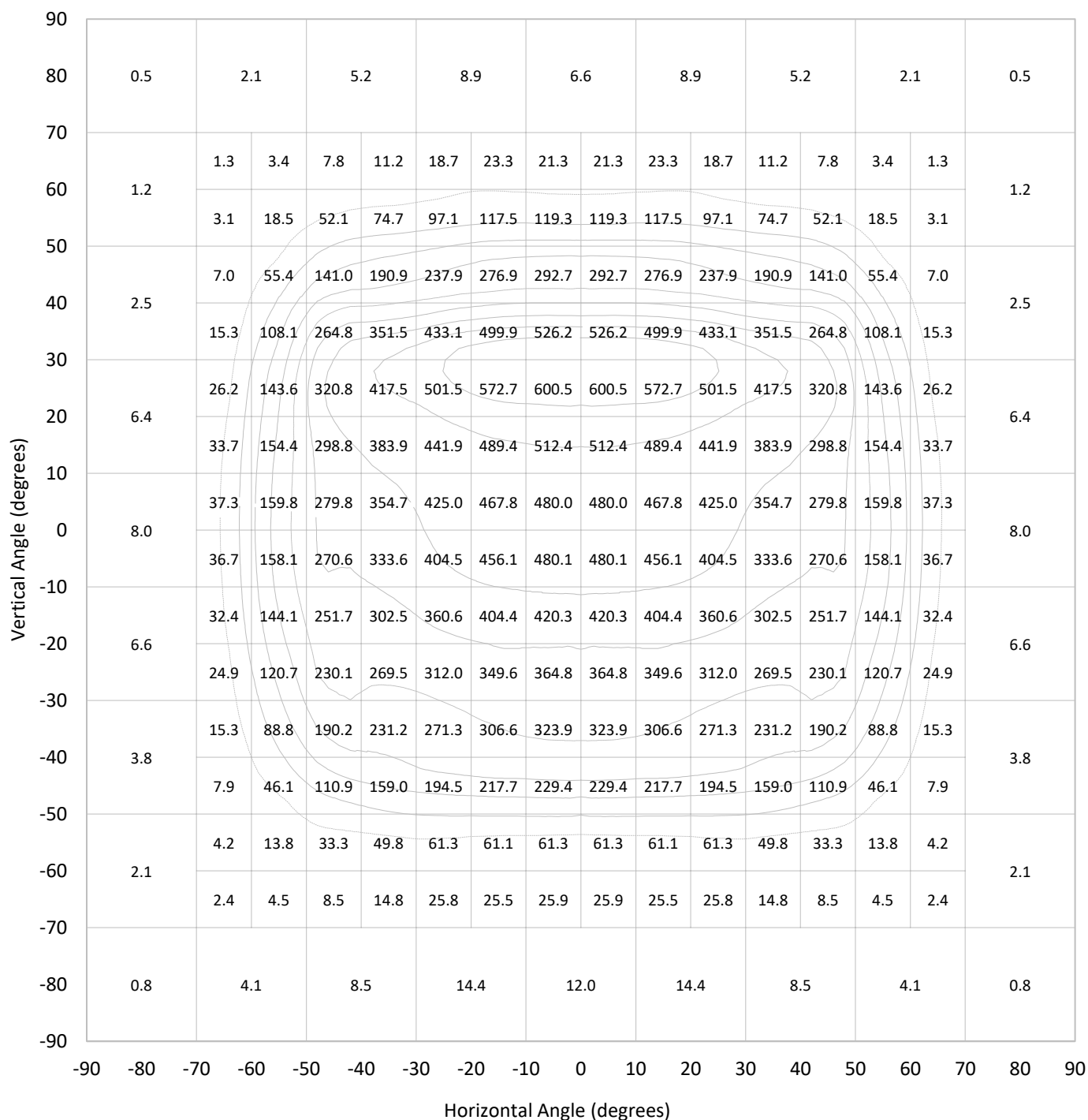
Iso-Candela Plot



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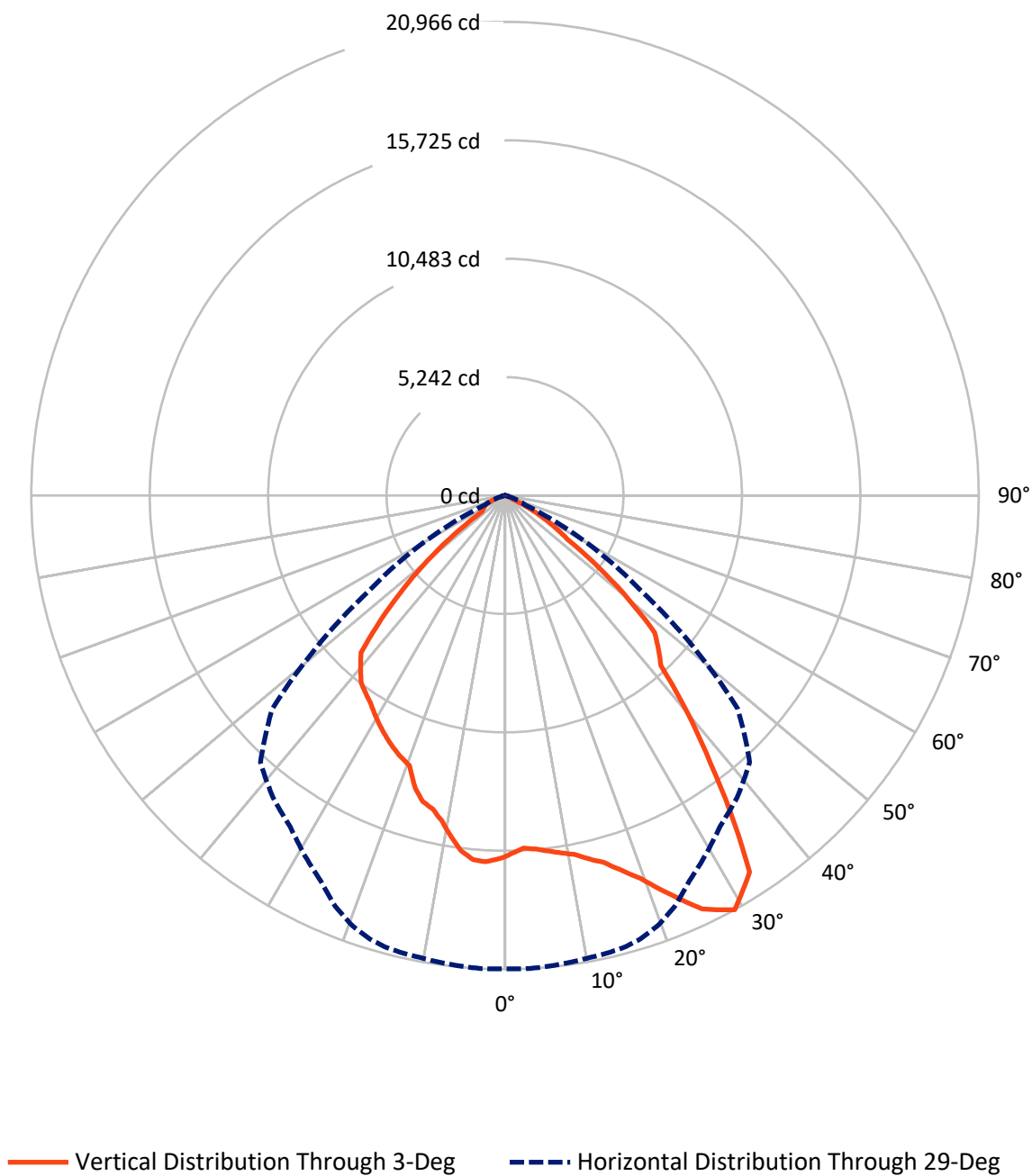
Lumen Table



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Luminous Intensity Polar Plot

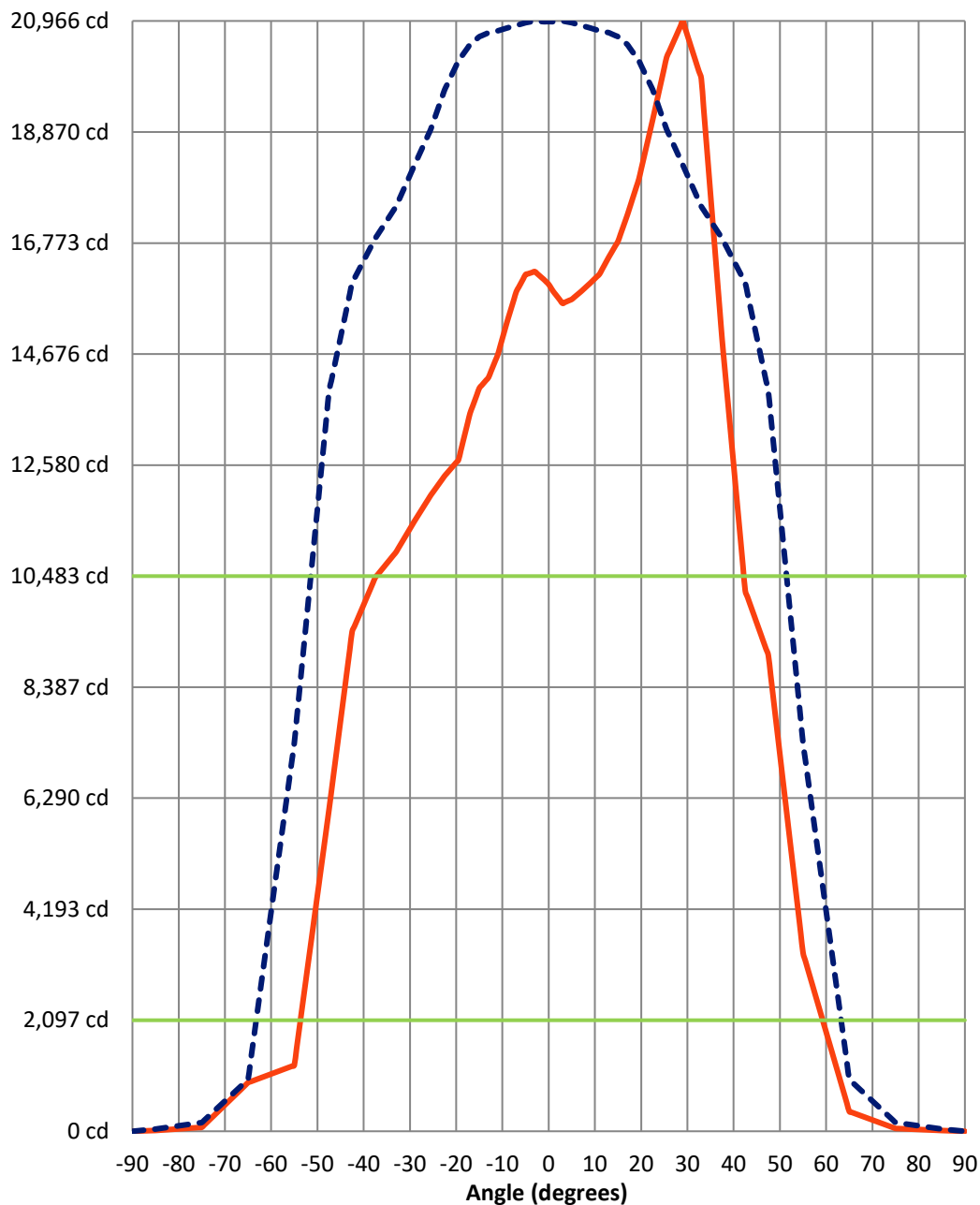




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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 29190.2
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 37966.3
Efficiency: 96.6%

Spill:
Lumens: 1320.6
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°	0.8	6.6	14.1	33.2	43.2	50.6	55.6	58.1	58.9	58.9	56.4
75°	49.0	49.8	53.1	48.1	38.2	41.5	60.6	68.9	76.4	78.8	74.7
65°	378.5	376.0	373.5	371.0	360.2	344.4	338.6	371.8	456.5	544.5	587.6
55°	3303.4	3291.8	3369.8	3315.0	3422.9	3526.6	3564.0	3574.8	3587.2	3524.1	3438.7
47.5°	8955.6	9033.6	8984.7	8978.0	8921.6	8833.6	8780.5	8694.2	8618.6	8602.9	8344.7
42.5°	10276.1	10241.3	10208.9	10281.1	10239.6	10274.5	10270.3	10182.4	10120.9	9994.8	9868.6
37.5°	14893.4	14919.1	14951.5	14958.1	14978.0	14894.2	14836.1	14774.7	14656.8	14456.0	14168.0
33°	19885.0	19930.6	19875.8	19872.5	19916.5	19896.6	19811.1	19731.4	19556.3	19320.6	19053.3
29°	20954.8	20952.3	20966.4	20933.2	20882.6	20833.6	20780.5	20744.8	20668.5	20521.6	20215.3
25.5°	20242.7	20254.3	20278.4	20259.3	20195.4	20159.7	20114.0	20051.8	19919.0	19761.3	19500.7
22.5°	19050.0	19141.3	19105.6	19081.5	19026.8	18939.6	18957.0	18898.1	18795.2	18634.2	18360.3
19.5°	17942.8	17988.4	17979.3	17912.9	17878.9	17807.5	17774.3	17731.1	17644.0	17544.4	17357.6
17°	17234.0	17318.6	17300.4	17259.7	17206.6	17159.3	17099.5	17063.0	16991.6	16882.1	16655.5
15°	16813.2	16851.3	16806.5	16798.2	16805.7	16711.9	16673.7	16580.8	16558.4	16466.2	16266.2
13°	16457.9	16477.0	16506.9	16459.6	16451.3	16418.1	16338.4	16299.4	16221.4	16184.0	16039.6
11°	16179.0	16309.4	16186.5	16220.5	16182.4	16177.4	16132.6	16111.0	16052.9	15995.6	15906.8
9°	16033.8	16056.2	16017.2	16015.5	15998.1	15966.6	15955.8	15954.1	15942.5	15911.0	15856.2
7°	15856.2	15875.3	15857.0	15838.8	15825.5	15812.2	15849.5	15862.0	15915.9	15871.1	15818.8
5°	15735.0	15716.7	15710.1	15706.8	15740.0	15740.0	15813.0	15854.5	15905.2	15919.3	15851.2
3°	15631.3	15653.7	15633.7	15657.8	15723.4	15758.2	15856.2	15916.8	15950.0	15950.8	15923.4
1°	15792.3	15847.1	15857.8	15874.4	15898.5	15920.1	15993.1	16047.1	16011.4	16013.1	15901.8
0°	15943.3	15964.9	15993.1	15974.0	16005.6	16024.7	16077.0	16087.8	16073.6	16010.6	15861.2
-1°	16101.9	16096.9	16081.1	16077.8	16085.3	16062.9	16091.9	16056.2	16013.9	15957.4	15817.2
-3°	16215.6	16257.1	16234.7	16208.9	16127.6	16127.6	16095.2	15962.4	15905.2	15846.2	15648.7
-5°	16120.1	16173.2	16176.6	16094.4	15968.2	15935.0	15832.1	15752.4	15652.8	15556.6	15357.4
-7°	15907.6	15879.4	15854.5	15748.3	15665.3	15587.3	15450.3	15311.7	15286.0	15194.7	15019.5
-9°	15321.7	15341.6	15282.7	15254.4	15163.1	15061.9	15022.0	14923.3	14871.0	14789.6	14628.6
-11°	14739.8	14660.2	14666.0	14685.9	14621.2	14622.0	14578.8	14519.1	14511.6	14434.4	14298.3
-13°	14280.9	14275.0	14236.0	14269.2	14256.8	14258.4	14217.8	14210.3	14196.2	14143.1	13959.6
-15°	13977.9	14026.9	14031.9	14003.6	14010.3	13994.5	13979.6	13943.9	13933.1	13849.3	13657.5
-17°	13537.2	13553.8	13557.9	13555.4	13534.7	13551.3	13569.6	13555.4	13503.2	13439.2	13284.9
-19.5°	12722.1	12655.7	12679.0	12702.2	12708.8	12708.0	12734.6	12779.4	12737.9	12654.1	12526.3
-22.5°	12431.6	12417.5	12374.4	12388.5	12381.8	12361.1	12361.1	12364.4	12340.3	12252.4	12078.1
-25.5°	11995.9	12015.8	12009.2	12000.0	11998.4	11961.0	11962.7	11968.5	11921.2	11824.1	11667.2
-29°	11515.3	11528.6	11523.6	11501.2	11470.5	11403.3	11375.1	11312.0	11228.1	11174.2	11047.2
-33°	10968.4	10935.2	10936.8	10933.5	10892.8	10853.8	10806.5	10727.7	10641.3	10574.1	10439.6
-37.5°	10452.9	10472.0	10454.6	10460.4	10437.2	10398.1	10355.8	10296.1	10211.4	10114.3	9980.7
-42.5°	9468.6	9454.4	9432.9	9385.6	9366.5	9276.0	9220.4	9222.0	9203.0	9129.1	9002.1
-47.5°	5878.0	6034.0	6069.7	6039.0	6009.1	5996.7	5933.6	5928.6	5933.6	5893.8	5795.8
-55°	1214.3	1210.1	1245.0	1269.9	1321.3	1341.3	1351.2	1314.7	1355.4	1439.2	1479.9
-65°	935.4	932.1	918.8	918.0	905.5	900.5	899.7	891.4	897.2	922.1	950.3
-75°	73.0	73.0	73.9	65.6	60.6	68.1	88.8	95.4	105.4	101.3	112.9
-85°	2.5	7.5	14.9	34.9	44.8	51.5	56.4	58.9	58.9	58.1	57.3
-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°	52.3	49.0	46.5	43.2	37.3	31.5	27.4	23.2	26.6	23.2	28.2
75°	67.2	68.1	85.5	107.1	96.3	64.7	44.8	37.3	49.0	28.2	30.7
65°	512.1	330.3	205.0	154.4	125.3	106.2	130.3	98.8	91.3	45.6	32.4
55°	3227.0	3012.0	2854.3	2653.5	2587.9	2402.8	1943.8	791.0	145.2	73.9	34.9
47.5°	8065.0	7704.0	7296.5	6840.0	6446.6	5902.1	4835.5	2115.7	174.3	95.4	37.3
42.5°	9648.7	9237.8	8991.3	8658.5	8290.0	8168.0	7355.4	3643.7	179.3	108.7	38.2
37.5°	13921.5	13461.7	12828.4	12339.5	11952.7	11897.1	10374.1	5143.5	285.5	125.3	39.8
33°	18540.4	17866.4	16993.3	16238.8	15581.5	14991.3	12711.3	6351.1	664.8	144.4	40.7
29°	19665.8	18920.5	18247.4	17463.9	16859.6	16021.4	13964.6	7332.2	977.7	165.2	41.5
25.5°	18967.8	18409.2	17754.4	17138.5	16686.2	16101.0	14505.8	7880.8	1230.9	184.3	42.3
22.5°	17937.8	17447.3	16902.8	16511.0	16265.4	15813.0	14464.3	8184.6	1432.6	200.9	43.2
19.5°	17033.1	16691.2	16251.3	16008.9	15902.7	15359.0	14046.8	8489.2	1614.3	218.3	44.0
17°	16407.3	16112.7	15822.2	15707.6	15601.4	14899.2	13666.7	8702.5	1762.9	227.4	44.8
15°	16041.3	15828.0	15619.6	15537.5	15337.4	14495.0	13413.5	8844.4	1866.7	234.9	45.6
13°	15866.1	15725.9	15540.0	15383.9	15042.8	14129.8	13226.8	9011.2	1951.3	241.5	45.6
11°	15769.9	15639.6	15390.6	15159.8	14680.1	13806.9	13116.4	9154.8	2021.0	244.8	46.5
9°	15715.1	15558.2	15254.4	14847.7	14383.8	13526.4	13050.8	9258.6	2079.1	246.5	47.3
7°	15732.5	15475.2	15079.3	14612.0	14114.0	13353.8	12993.5	9334.1	2119.0	245.7	48.1
5°	15726.7	15391.4	14935.7	14456.8	13905.7	13192.7	12949.5	9393.9	2137.2	243.2	49.0
3°	15696.0	15349.9	14807.1	14230.2	13719.8	13064.1	12929.6	9432.0	2153.8	240.7	49.0
1°	15647.0	15249.5	14641.9	14102.4	13589.5	12942.9	12908.0	9447.8	2149.7	238.2	49.0
0°	15598.1	15201.3	14588.0	14036.0	13529.7	12877.3	12876.5	9487.6	2142.2	236.5	49.0
-1°	15518.4	15097.6	14493.3	13937.2	13451.7	12889.0	12878.2	9452.0	2133.9	234.1	49.8
-3°	15300.1	14906.7	14337.3	13789.5	13308.9	12804.3	12849.9	9417.1	2119.0	231.6	50.6
-5°	15052.7	14671.8	14161.3	13617.7	13143.8	12677.3	12785.2	9319.2	2084.1	229.9	50.6
-7°	14738.2	14451.8	13906.5	13378.7	12929.6	12496.4	12663.2	9224.5	2045.9	228.2	51.5
-9°	14416.1	14116.5	13631.0	13105.6	12693.1	12346.1	12496.4	9077.6	1995.3	226.6	51.5
-11°	14087.5	13778.7	13294.0	12806.0	12412.5	12110.4	12320.4	8913.3	1938.9	226.6	52.3
-13°	13694.1	13411.9	12972.0	12532.9	12155.2	11932.0	12131.2	8705.8	1870.0	227.4	52.3
-15°	13391.1	13089.8	12668.2	12257.3	11914.5	11748.5	11910.4	8441.0	1804.4	229.1	53.1
-17°	13030.1	12769.4	12384.3	12000.9	11691.3	11571.8	11689.6	8172.9	1719.7	229.9	53.1
-19.5°	12325.4	12088.0	11844.0	11591.7	11388.3	11350.2	11407.4	7821.0	1605.2	231.6	53.1
-22.5°	11851.5	11610.8	11345.2	11149.3	11009.9	11141.0	11068.8	7333.0	1442.5	234.1	53.1
-25.5°	11463.0	11241.4	10975.8	10787.4	10707.7	10994.9	10757.5	6805.1	1260.8	234.1	53.1
-29°	10863.8	10670.4	10432.2	10253.7	10210.6	10657.9	10154.1	6195.1	1046.6	230.7	53.1
-33°	10207.3	9989.8	9749.1	9559.0	9478.5	10081.1	9159.0	5463.8	779.4	221.6	53.1
-37.5°	9788.9	9545.7	9276.8	8978.0	8796.3	8878.4	7828.5	4414.7	453.2	205.8	52.3
-42.5°	8777.2	8627.8	8296.6	7973.7	7497.3	6927.1	5837.3	3166.4	346.1	186.7	52.3
-47.5°	5803.3	5693.8	5587.5	5384.2	4930.2	4337.5	3645.3	1753.8	329.5	163.5	51.5
-55°	1603.5	1626.0	1722.2	1604.4	1402.7	1229.2	1192.7	535.3	302.9	125.3	49.0
-65°	1006.8	1020.9	832.5	589.3	398.4	304.6	308.8	205.0	201.7	73.0	45.6
-75°	122.8	123.7	103.7	98.8	99.6	113.7	118.7	98.8	79.7	41.5	42.3
-85°	55.6	54.8	53.1	51.5	50.6	48.1	44.8	40.7	37.3	38.2	38.2
-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)