

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: P507771

Luminaire Tested: **UFLD-CA2-120-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-281-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-120-722-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

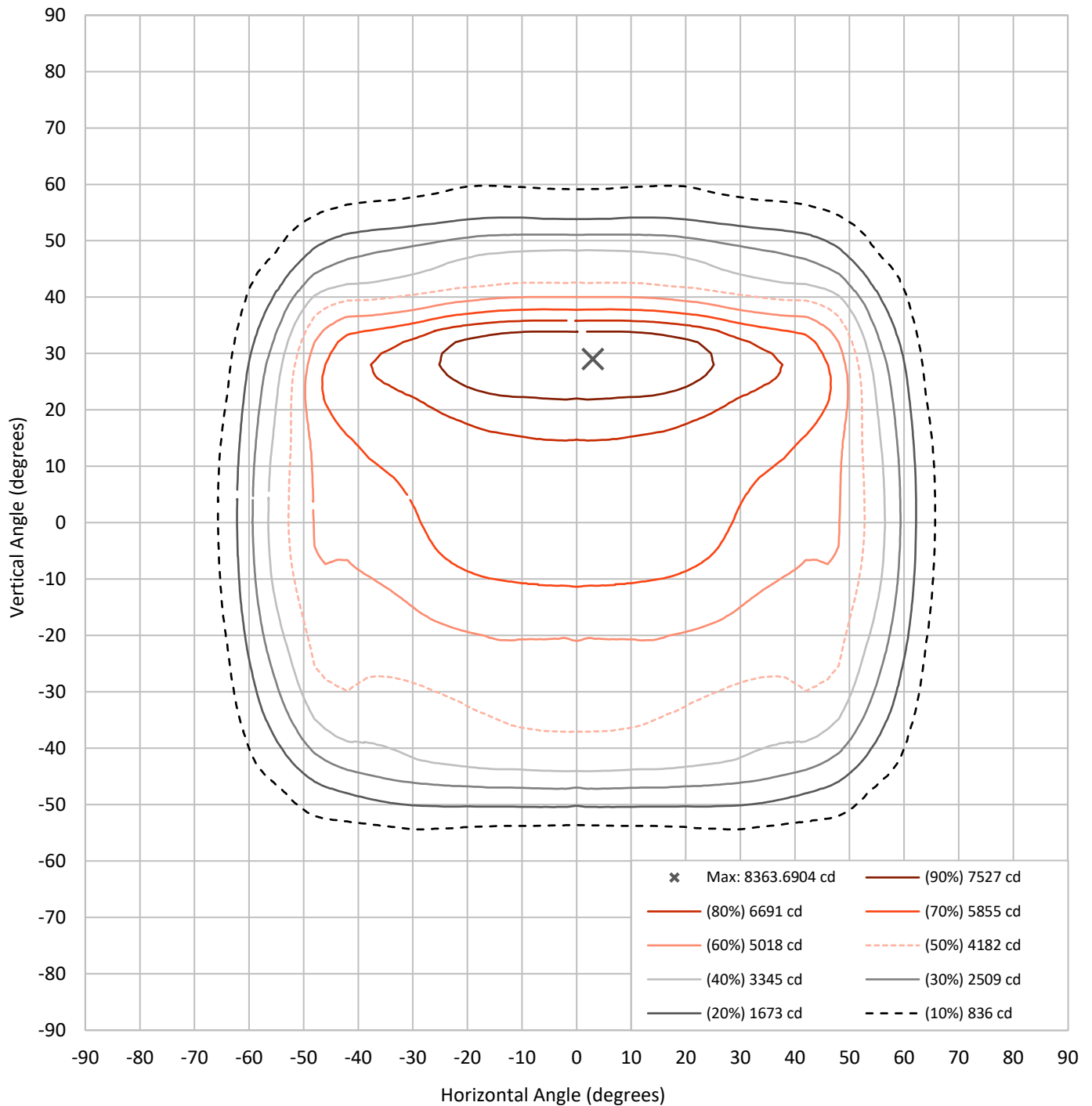
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	15672 lumens	Max Intensity:	8363.7 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	126.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	11644.3 lumens	Field Lumens:	15145.2 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	123.9		
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

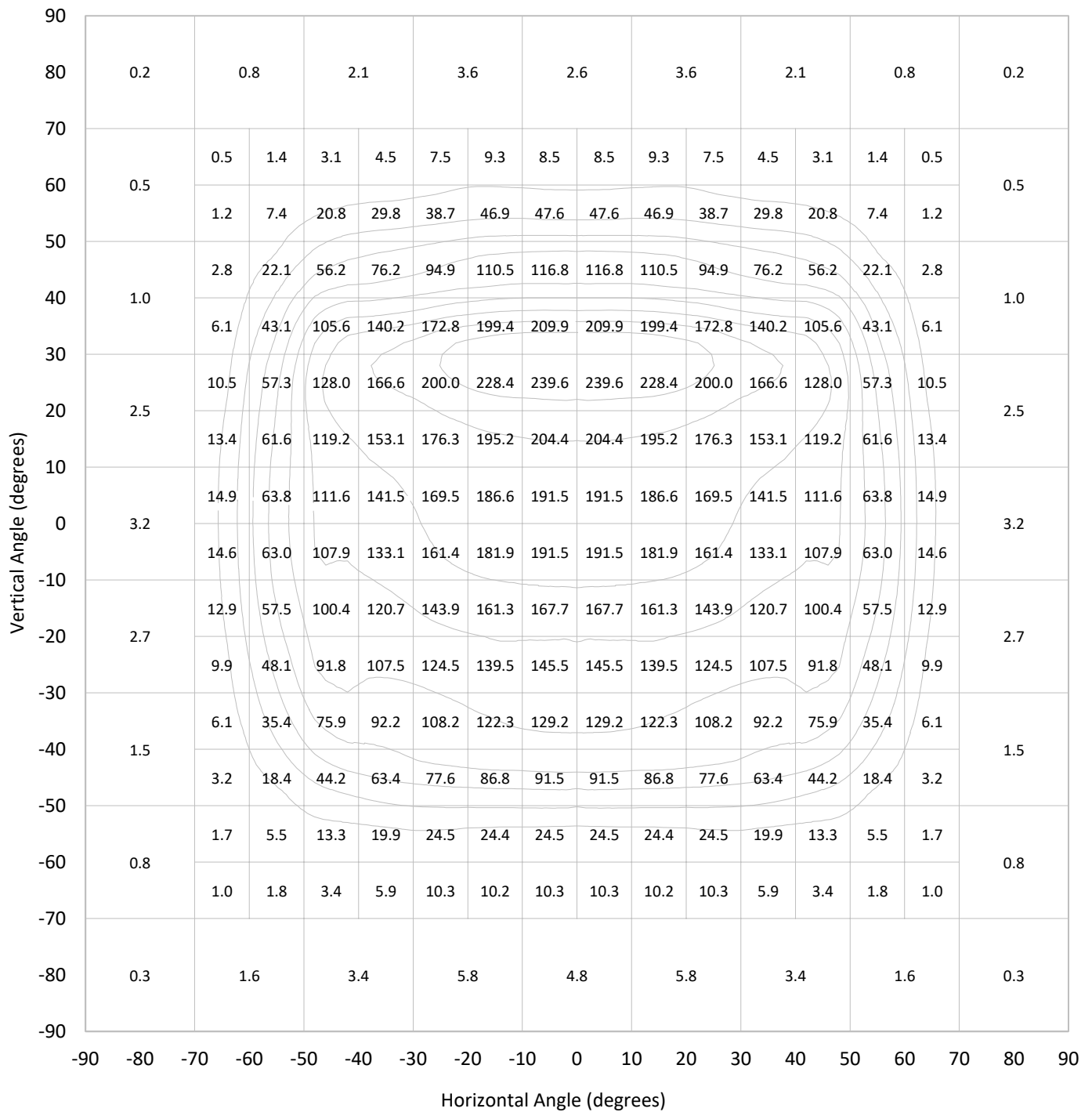




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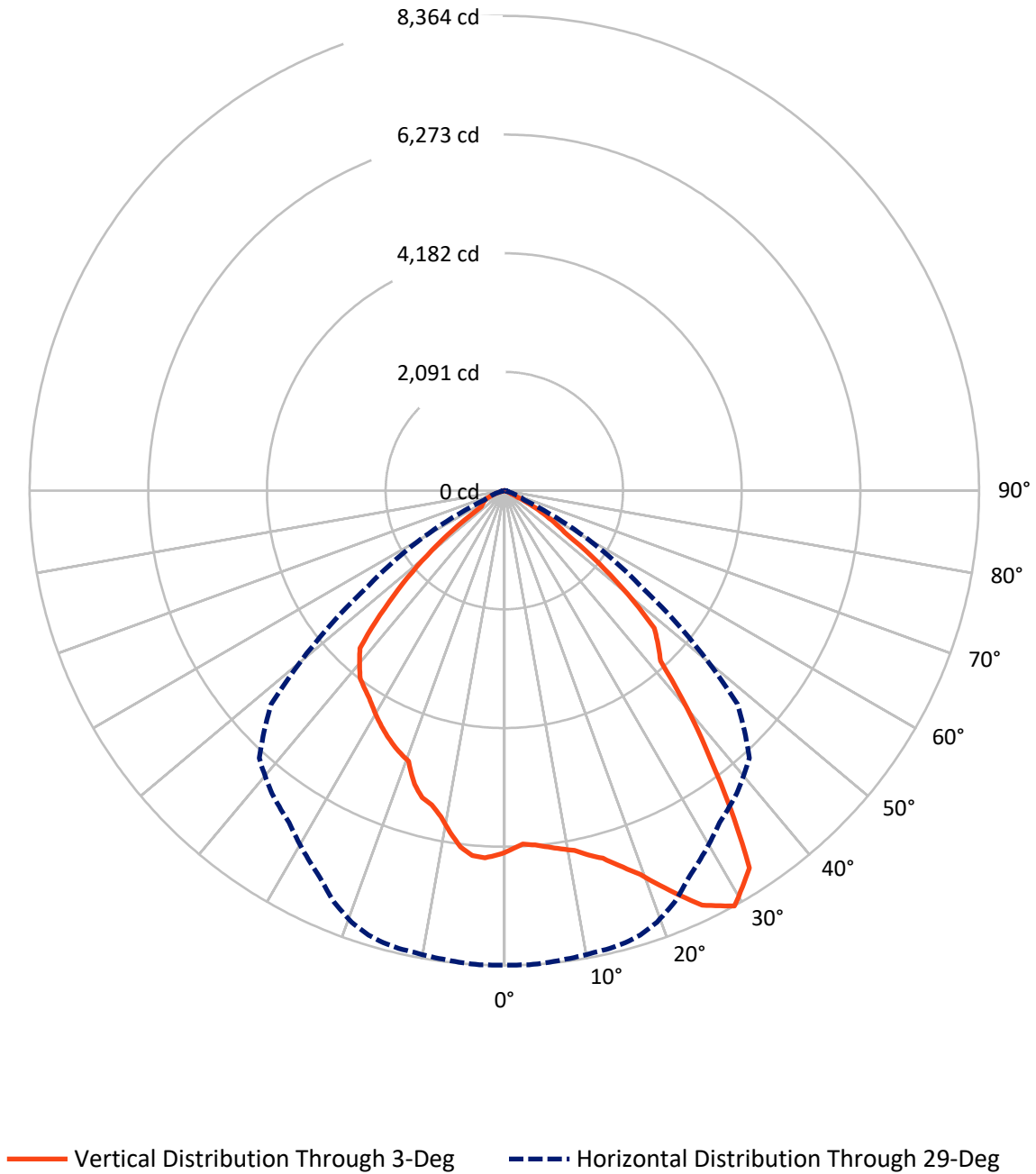
Lumen Table



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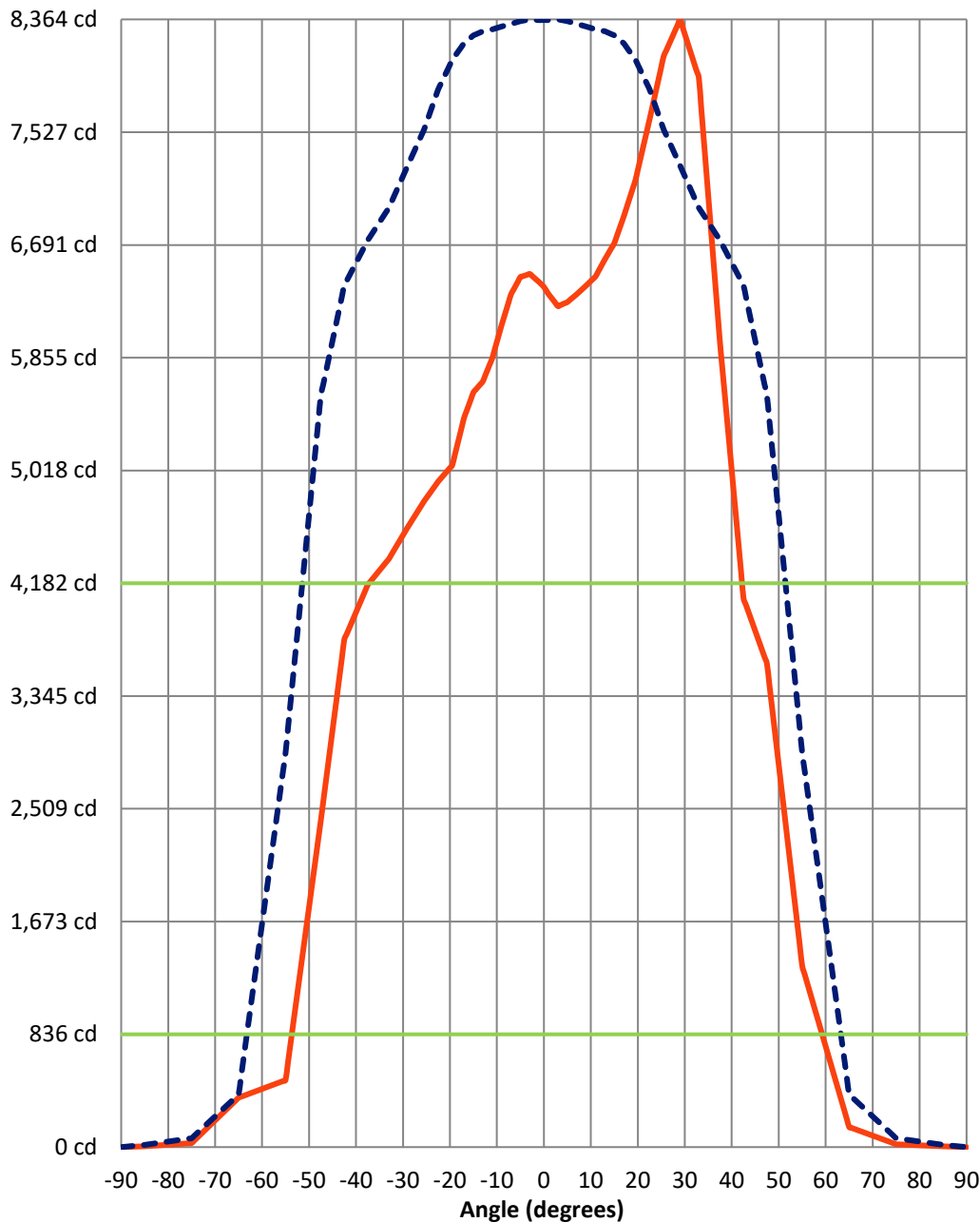
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 11644.3
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 15145.2
 Efficiency: 96.6%

Spill:
 Lumens: 526.8
 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°	0.4	2.7	5.7	13.2	17.2	20.2	22.2	23.2	23.5	23.5	22.5
75°	19.6	19.9	21.2	19.2	15.2	16.6	24.2	27.5	30.5	31.5	29.8
65°	151.0	150.0	149.0	148.0	143.7	137.4	135.1	148.4	182.1	217.2	234.4
55°	1317.8	1313.1	1344.3	1322.4	1365.4	1406.8	1421.7	1426.0	1431.0	1405.8	1371.8
47.5°	3572.5	3603.7	3584.1	3581.4	3558.9	3523.9	3502.6	3468.2	3438.1	3431.8	3328.8
42.5°	4099.3	4085.3	4072.5	4101.3	4084.6	4098.6	4096.9	4061.9	4037.4	3987.0	3936.7
37.5°	5941.2	5951.4	5964.3	5967.0	5974.9	5941.5	5918.3	5893.8	5846.8	5766.6	5651.8
33°	7932.4	7950.5	7928.7	7927.3	7944.9	7937.0	7902.9	7871.1	7801.2	7707.2	7600.6
29°	8359.1	8358.1	8363.7	8350.5	8330.3	8310.8	8289.6	8275.4	8244.8	8186.3	8064.1
25.5°	8075.0	8079.7	8089.3	8081.6	8056.1	8041.9	8023.7	7998.9	7945.9	7883.0	7779.0
22.5°	7599.2	7635.6	7621.5	7611.8	7590.0	7555.2	7562.2	7538.6	7497.6	7433.4	7324.1
19.5°	7157.6	7175.7	7172.1	7145.7	7132.1	7103.6	7090.4	7073.1	7038.4	6998.6	6924.1
17°	6874.8	6908.5	6901.3	6885.1	6863.9	6845.0	6821.2	6806.6	6778.1	6734.5	6644.1
15°	6707.0	6722.2	6704.3	6701.0	6703.9	6666.6	6651.4	6614.2	6605.3	6568.5	6488.7
13°	6565.2	6572.9	6584.8	6565.9	6562.6	6549.3	6517.6	6502.0	6470.9	6456.0	6398.3
11°	6454.0	6505.9	6457.0	6470.6	6455.4	6453.4	6435.5	6426.9	6403.6	6380.8	6345.4
9°	6396.1	6405.0	6389.5	6388.8	6381.8	6369.2	6365.0	6364.3	6359.7	6347.1	6325.1
7°	6325.1	6332.8	6325.5	6318.3	6313.0	6307.7	6322.5	6327.5	6349.1	6331.2	6310.3
5°	6276.8	6269.6	6266.9	6265.6	6278.8	6278.8	6307.9	6324.5	6344.7	6350.4	6323.2
3°	6235.5	6244.4	6236.5	6246.1	6272.2	6286.1	6325.1	6349.4	6362.6	6363.0	6352.0
1°	6299.7	6321.6	6325.8	6332.5	6342.1	6350.7	6379.8	6401.4	6387.1	6387.8	6343.4
0°	6360.0	6368.5	6379.8	6372.2	6384.8	6392.4	6413.3	6417.5	6412.0	6386.8	6327.1
-1°	6423.2	6421.2	6414.9	6413.6	6416.6	6407.6	6419.2	6405.0	6388.1	6365.6	6309.6
-3°	6468.6	6485.1	6476.1	6465.9	6433.5	6433.5	6420.6	6367.6	6344.7	6321.2	6242.4
-5°	6430.5	6451.7	6453.0	6420.2	6369.9	6356.6	6315.6	6283.8	6244.1	6205.6	6126.2
-7°	6345.8	6334.5	6324.5	6282.1	6249.0	6217.9	6163.3	6108.0	6097.8	6061.4	5991.5
-9°	6111.9	6119.9	6096.4	6085.2	6048.8	6008.3	5992.4	5953.1	5932.2	5899.8	5835.5
-11°	5879.9	5848.1	5850.4	5858.4	5832.5	5832.8	5815.6	5791.8	5788.9	5758.0	5703.8
-13°	5696.8	5694.5	5678.9	5692.1	5687.2	5687.9	5671.6	5668.7	5663.0	5641.8	5568.6
-15°	5575.9	5595.5	5597.5	5586.2	5588.9	5582.5	5576.6	5562.4	5558.0	5524.6	5448.1
-17°	5400.1	5406.8	5408.4	5407.4	5399.1	5405.7	5413.0	5407.4	5386.5	5361.1	5299.5
-19.5°	5075.0	5048.5	5057.8	5067.0	5069.7	5069.4	5080.0	5097.9	5081.3	5047.9	4996.9
-22.5°	4959.1	4953.5	4936.3	4941.9	4939.2	4931.0	4931.0	4932.3	4922.7	4887.6	4818.1
-25.5°	4785.3	4793.2	4790.6	4787.0	4786.3	4771.4	4772.0	4774.4	4755.5	4716.7	4654.1
-29°	4593.6	4598.9	4596.9	4588.0	4575.8	4548.9	4537.6	4512.5	4479.0	4457.5	4406.9
-33°	4375.4	4362.2	4362.8	4361.5	4345.2	4329.7	4310.8	4279.3	4244.9	4218.2	4164.5
-37.5°	4169.7	4177.4	4170.4	4172.8	4163.5	4147.9	4131.1	4107.3	4073.4	4034.7	3981.4
-42.5°	3777.1	3771.5	3762.9	3744.0	3736.4	3700.3	3678.1	3678.7	3671.2	3641.7	3591.0
-47.5°	2344.8	2407.0	2421.3	2409.0	2397.1	2392.2	2367.0	2365.0	2367.0	2351.1	2312.0
-55°	484.4	482.7	496.7	506.6	527.1	535.1	539.0	524.5	540.7	574.1	590.4
-65°	373.1	371.8	366.5	366.2	361.2	359.2	358.9	355.6	357.9	367.8	379.1
-75°	29.1	29.1	29.5	26.2	24.2	27.1	35.5	38.1	42.1	40.4	45.0
-85°	1.0	3.0	6.0	13.9	17.9	20.5	22.5	23.5	23.5	23.2	22.9
-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°	20.9	19.6	18.5	17.2	14.9	12.6	11.0	9.3	10.6	9.3	11.3
75°	26.9	27.1	34.1	42.7	38.4	25.8	17.9	14.9	19.6	11.3	12.3
65°	204.3	131.8	81.8	61.6	50.0	42.4	52.0	39.4	36.4	18.3	13.0
55°	1287.3	1201.6	1138.6	1058.5	1032.3	958.5	775.4	315.5	58.0	29.5	13.9
47.5°	3217.2	3073.2	2910.6	2728.6	2571.6	2354.4	1929.0	844.0	69.5	38.1	14.9
42.5°	3848.9	3685.1	3586.7	3454.0	3307.0	3258.3	2934.1	1453.5	71.5	43.4	15.2
37.5°	5553.4	5370.0	5117.4	4922.4	4768.1	4745.9	4138.4	2051.8	113.9	50.0	15.9
33°	7396.0	7127.1	6778.8	6477.9	6215.6	5980.2	5070.7	2533.5	265.2	57.6	16.3
29°	7844.9	7547.6	7279.1	6966.5	6725.5	6391.1	5570.6	2924.9	390.0	65.9	16.6
25.5°	7566.4	7343.7	7082.4	6836.8	6656.3	6422.8	5786.5	3143.8	491.0	73.5	16.9
22.5°	7155.6	6959.9	6742.7	6586.4	6488.4	6307.9	5769.9	3264.9	571.5	80.1	17.2
19.5°	6794.7	6658.3	6482.8	6386.1	6343.8	6126.9	5603.4	3386.4	644.0	87.1	17.6
17°	6545.1	6427.5	6311.6	6266.0	6223.5	5943.5	5451.8	3471.5	703.3	90.7	17.9
15°	6399.0	6313.9	6230.9	6198.1	6118.3	5782.2	5350.8	3528.1	744.6	93.7	18.3
13°	6329.2	6273.2	6199.0	6136.8	6000.7	5636.5	5276.3	3594.7	778.4	96.4	18.3
11°	6290.7	6238.8	6139.5	6047.5	5856.1	5507.8	5232.2	3652.0	806.3	97.7	18.5
9°	6268.9	6206.3	6085.2	5922.9	5737.8	5395.8	5206.1	3693.3	829.4	98.3	18.9
7°	6275.9	6173.2	6015.3	5828.9	5630.2	5327.0	5183.3	3723.5	845.3	98.1	19.2
5°	6273.5	6139.8	5958.0	5767.0	5547.1	5262.8	5165.8	3747.3	852.6	97.0	19.6
3°	6261.3	6123.2	5906.7	5676.6	5473.0	5211.4	5157.7	3762.5	859.2	96.0	19.6
1°	6241.8	6083.2	5840.8	5625.6	5421.0	5163.1	5149.1	3768.8	857.5	95.0	19.6
0°	6222.2	6064.0	5819.3	5599.1	5397.1	5136.9	5136.5	3784.7	854.6	94.4	19.6
-1°	6190.4	6022.6	5781.6	5559.8	5366.0	5141.5	5137.2	3770.5	851.3	93.3	19.9
-3°	6103.3	5946.5	5719.3	5500.8	5309.1	5107.8	5126.0	3756.6	845.3	92.4	20.2
-5°	6004.7	5852.8	5649.1	5432.2	5243.2	5057.1	5100.1	3717.5	831.4	91.7	20.2
-7°	5879.3	5765.0	5547.5	5336.9	5157.7	4985.0	5051.4	3679.8	816.2	91.1	20.5
-9°	5750.8	5631.2	5437.5	5228.0	5063.5	4925.0	4985.0	3621.1	795.9	90.4	20.5
-11°	5619.6	5496.5	5303.1	5108.5	4951.5	4831.0	4914.7	3555.6	773.4	90.4	20.9
-13°	5462.7	5350.1	5174.6	4999.5	4848.8	4759.8	4839.3	3472.8	745.9	90.7	20.9
-15°	5341.8	5221.6	5053.4	4889.6	4752.9	4686.7	4751.1	3367.2	719.8	91.3	21.2
-17°	5197.8	5093.9	4940.3	4787.3	4663.8	4616.1	4663.1	3260.3	686.1	91.7	21.2
-19.5°	4916.7	4822.1	4724.7	4624.1	4542.9	4527.7	4550.5	3119.9	640.3	92.4	21.2
-22.5°	4727.7	4631.6	4525.7	4447.5	4391.9	4444.2	4415.5	2925.3	575.4	93.3	21.2
-25.5°	4572.7	4484.3	4378.3	4303.3	4271.4	4386.0	4291.3	2714.6	502.9	93.3	21.2
-29°	4333.7	4256.5	4161.5	4090.3	4073.1	4251.5	4050.6	2471.3	417.5	92.0	21.2
-33°	4071.8	3985.0	3889.0	3813.2	3781.0	4021.5	3653.6	2179.6	310.9	88.4	21.2
-37.5°	3904.9	3807.9	3700.7	3581.4	3508.9	3541.7	3122.9	1761.1	180.8	82.1	20.9
-42.5°	3501.3	3441.7	3309.6	3180.8	2990.8	2763.3	2328.5	1263.1	138.1	74.5	20.9
-47.5°	2315.0	2271.3	2228.9	2147.8	1966.7	1730.3	1454.1	699.6	131.4	65.2	20.5
-55°	639.6	648.6	687.0	640.0	559.6	490.4	475.8	213.6	120.8	50.0	19.6
-65°	401.7	407.2	332.1	235.1	158.9	121.5	123.2	81.8	80.5	29.1	18.3
-75°	49.0	49.4	41.4	39.4	39.7	45.4	47.4	39.4	31.8	16.6	16.9
-85°	22.2	21.8	21.2	20.5	20.2	19.2	17.9	16.3	14.9	15.2	15.2
-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)