

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: LUMARK

Report Number: P958820

Luminaire Tested: **NFFLD-C55-D-UNV-66-TS2**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393769)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C55-D-UNV-66-TS2
Description: FLOODLIGHT WITH TOP AND SIDE VISORS
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

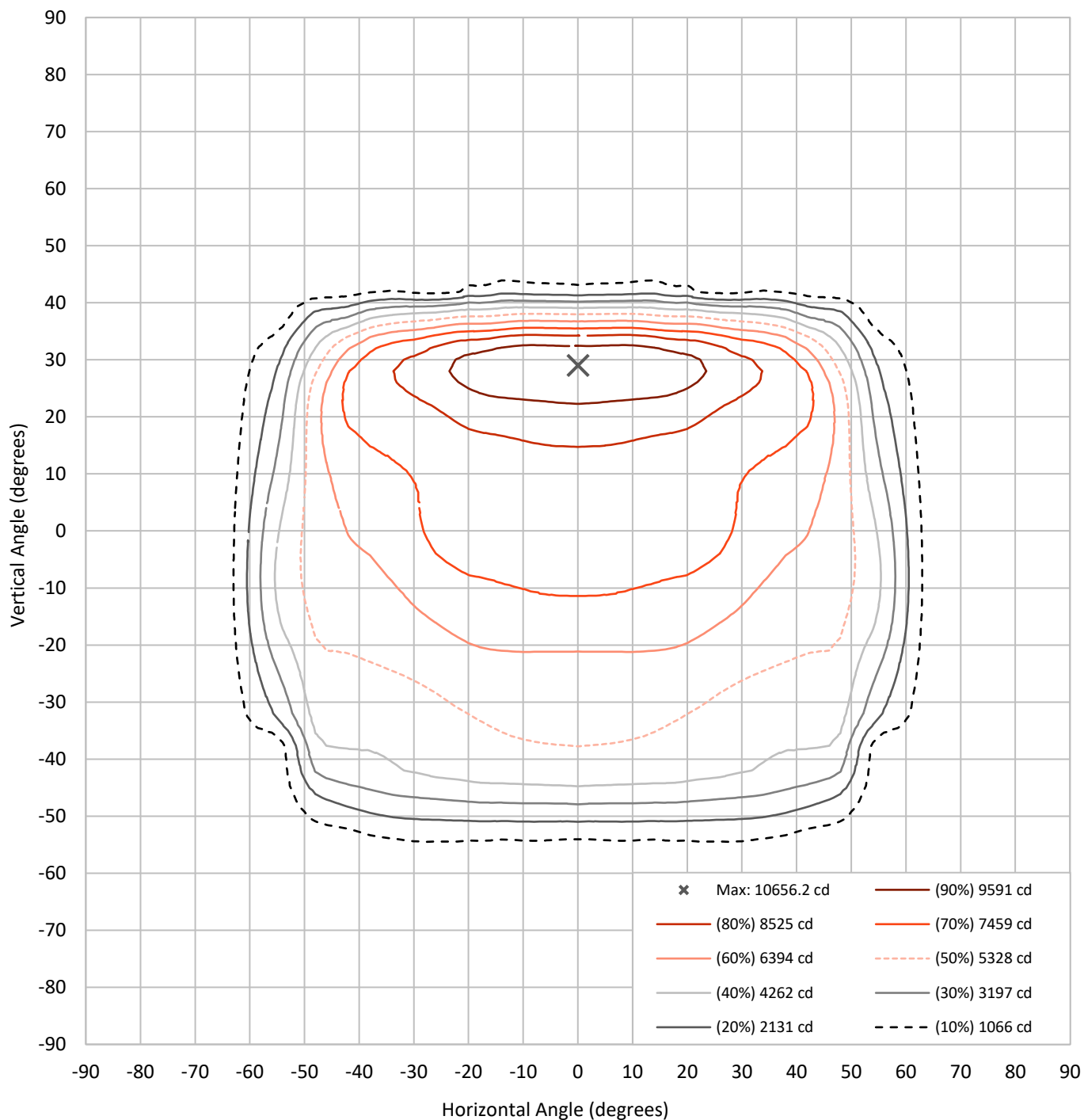
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	17363.4 lumens	Max Intensity:	10656.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	119.7 lumens/watt		
Luminous Opening:	(L: 1.33 ' x W: 0 ' x H: 0.67 ')		
Beam Angle (50%):	94.6°H x 75.7°V	Field Angle (10%):	119.6°H x 96.4°V
Beam Lumens:	12830.2 lumens	Field Lumens:	16914.9 lumens
Beam Efficiency:	73.9%	Field Efficiency:	97.4%

Input Watts (W): 145
Input Voltage (V): NR
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

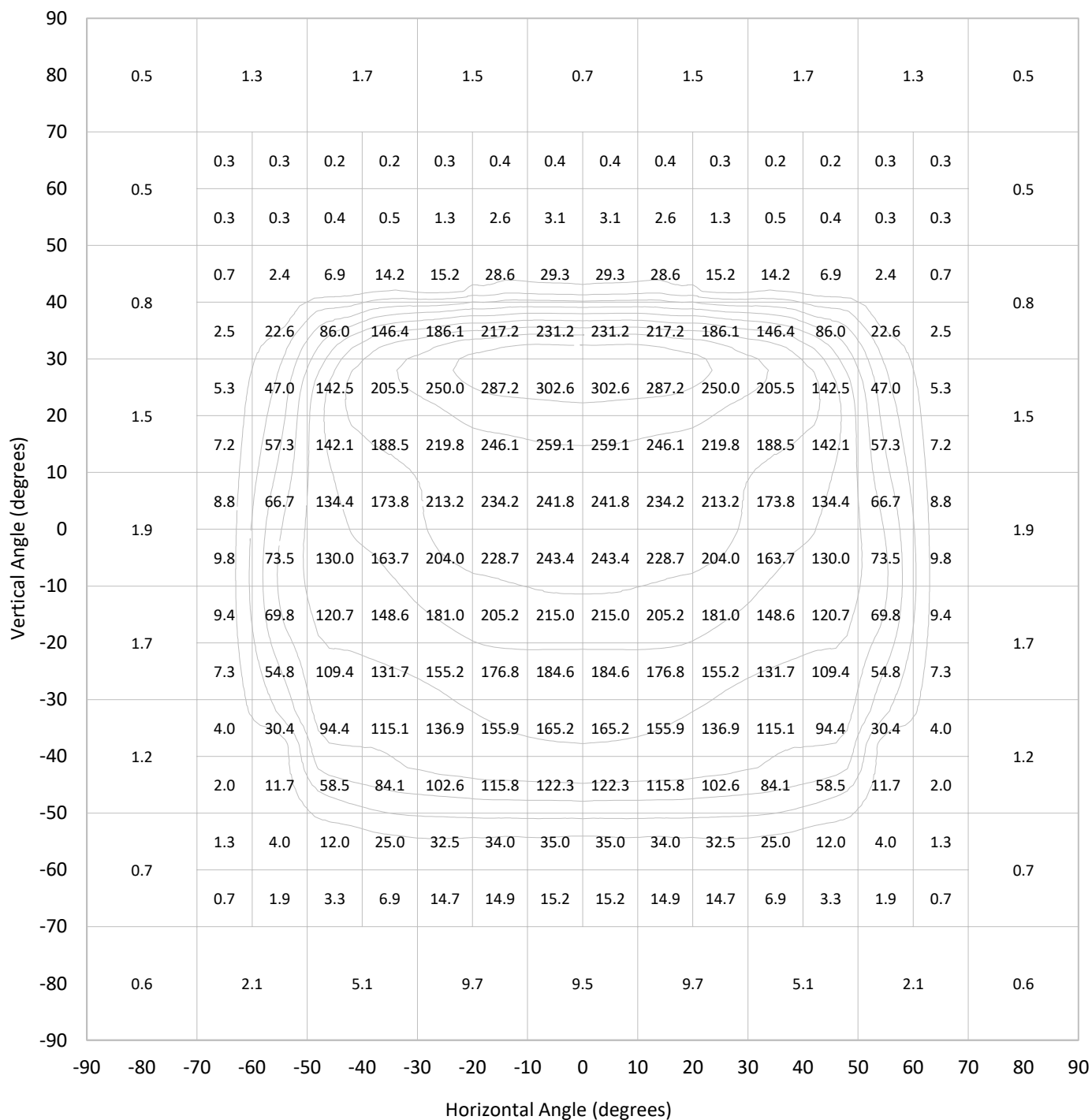




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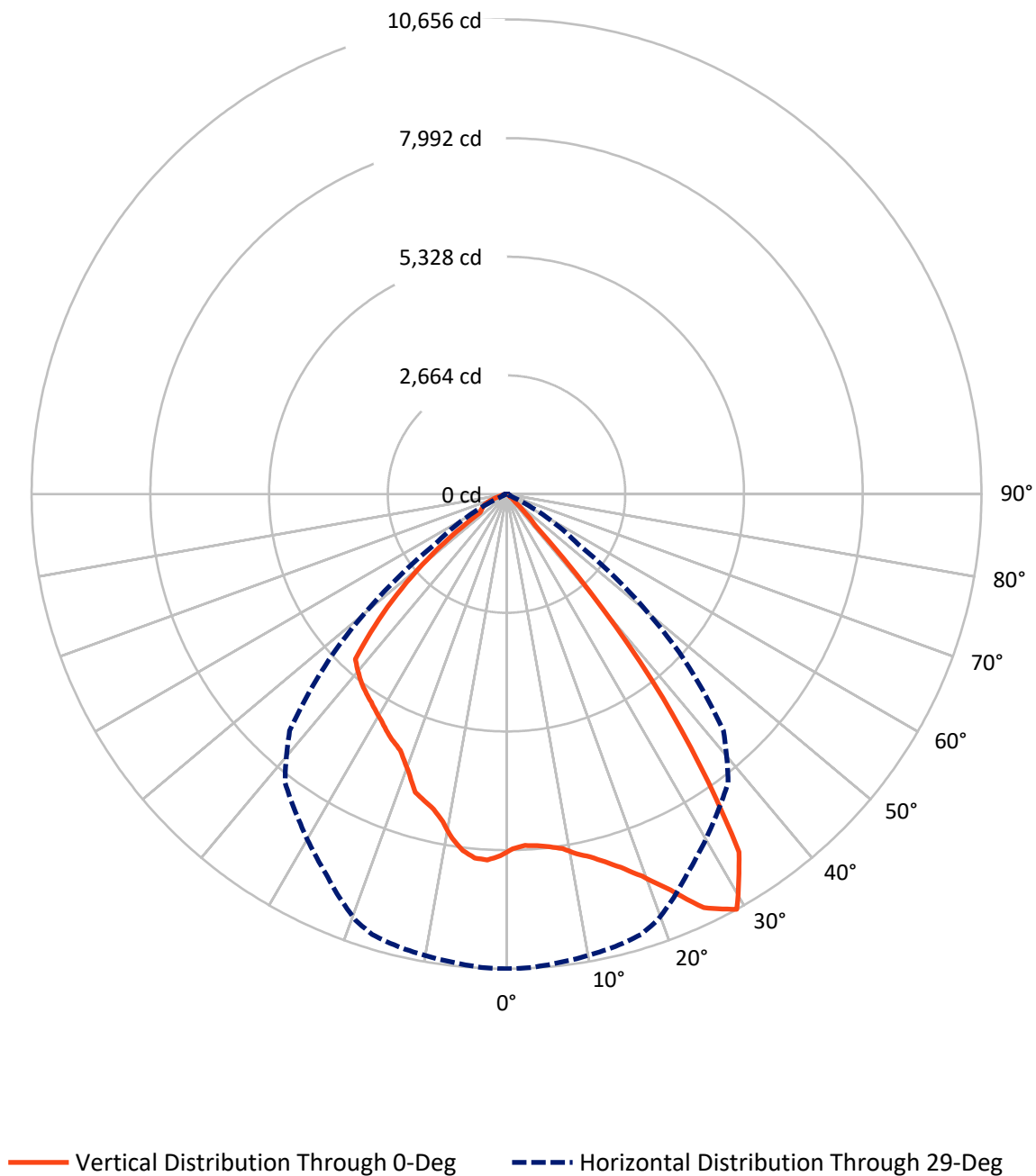
Lumen Table



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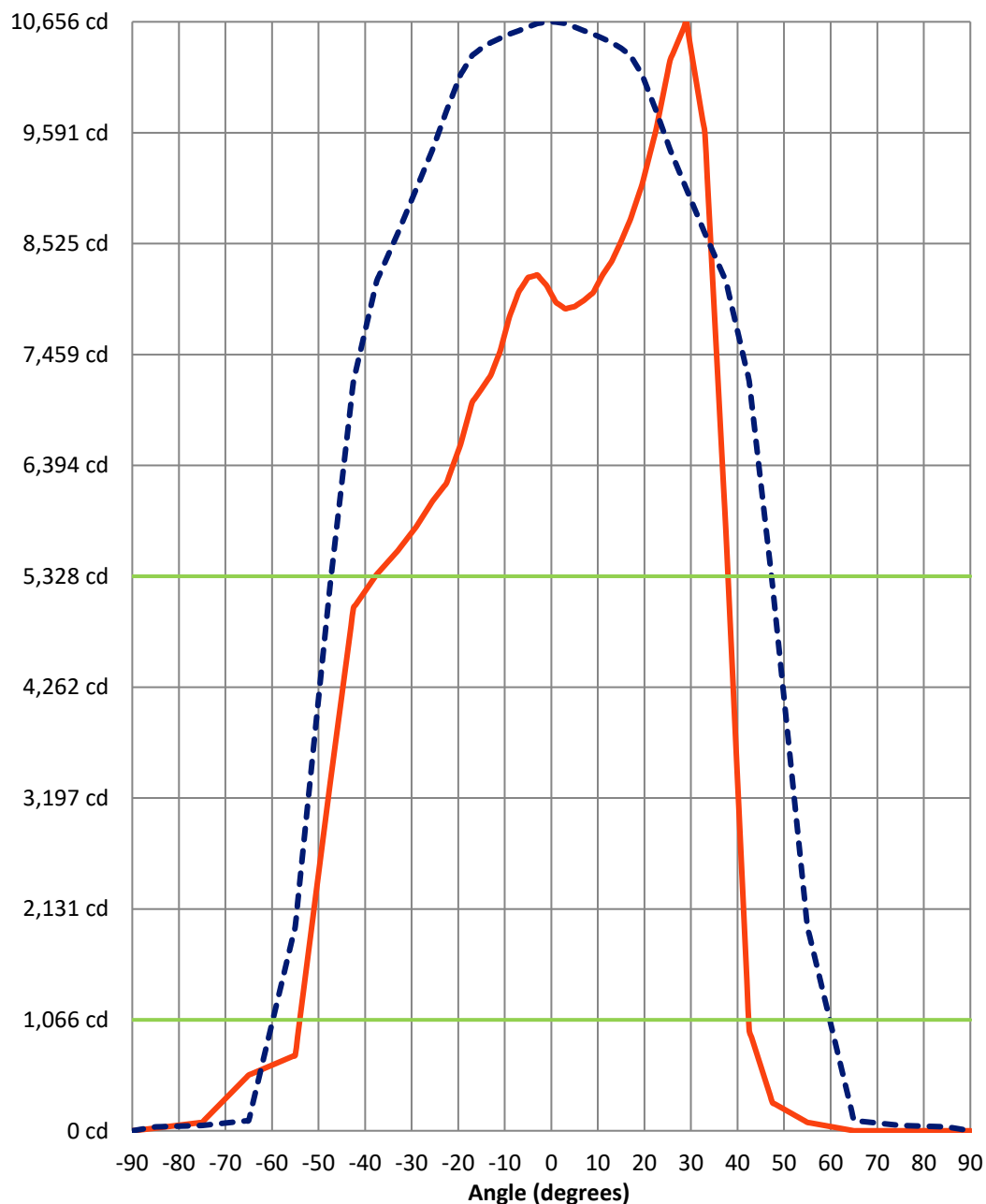
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 94.6°
V Angle: 75.7°
Lumens: 12830.2
Efficiency: 73.9%

Field:
H Angle: 119.6°
V Angle: 96.4°
Lumens: 16914.9
Efficiency: 97.4%

Spill:
Lumens: 448.5
Efficiency: 2.6%

— 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	4.1	9.4	9.4	10.6	13.5	17.6	20.2	22.8	24.0	25.7
75°	0.0	1.4	4.1	6.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1
65°	0.0	0.0	2.8	4.1	5.3	5.3	6.7	6.7	6.7	6.7	5.3
55°	80.7	77.9	80.7	80.7	80.7	79.3	74.0	67.1	63.2	64.5	59.1
47.5°	270.1	271.5	268.9	263.4	260.9	258.0	252.5	247.3	235.2	229.9	225.7
42.5°	969.0	1063.0	1040.5	1123.5	1092.7	1170.6	1284.9	1379.1	1384.3	758.0	1127.6
37.5°	5760.4	5783.1	5801.9	5855.6	5831.6	5859.8	5803.3	5686.4	5507.7	5435.1	5470.2
33°	9578.5	9535.6	9554.3	9615.0	9653.7	9699.6	9632.3	9511.3	9288.2	9132.3	9058.5
29°	10656.2	10653.6	10640.3	10606.6	10570.5	10538.3	10497.9	10456.1	10402.3	10332.5	10147.1
25.5°	10285.5	10268.0	10242.6	10187.5	10159.2	10132.2	10093.3	10054.3	9995.2	9911.9	9735.9
22.5°	9618.8	9608.2	9593.5	9546.2	9508.7	9479.1	9440.1	9422.6	9381.0	9332.6	9210.2
19.5°	9093.4	9082.7	9084.0	9061.1	9035.5	8998.0	8950.8	8907.8	8872.9	8847.6	8778.8
17°	8760.0	8743.8	8746.6	8740.1	8714.4	8671.4	8628.3	8570.6	8523.6	8495.1	8439.1
15°	8547.8	8535.5	8539.8	8524.8	8496.8	8455.0	8413.3	8362.2	8313.8	8258.7	8201.0
13°	8357.0	8344.6	8347.5	8334.0	8305.8	8273.4	8241.2	8194.2	8157.9	8105.5	8045.1
11°	8222.4	8214.4	8206.3	8198.2	8172.8	8141.9	8113.5	8074.5	8043.7	7996.8	7952.3
9°	8054.6	8059.8	8051.8	8047.8	8029.0	8002.1	7979.2	7952.3	7933.6	7906.7	7891.8
7°	7979.2	7983.4	7975.4	7971.1	7957.6	7942.9	7921.5	7905.2	7905.2	7909.3	7920.3
5°	7920.3	7924.1	7921.5	7922.7	7924.1	7917.5	7910.5	7914.6	7940.3	7961.8	7968.2
3°	7898.7	7899.9	7909.3	7918.7	7932.2	7944.2	7959.0	7983.4	8014.1	8015.5	8004.8
1°	7960.5	7957.6	7985.8	8010.3	8034.3	8053.2	8055.8	8046.6	8047.8	8033.1	8100.2
0°	8039.7	8034.3	8062.7	8074.5	8098.8	8105.5	8081.4	8058.4	8039.7	8006.0	8116.3
-1°	8121.6	8119.0	8133.9	8135.1	8147.2	8139.1	8094.7	8058.4	8019.5	7959.0	7984.4
-3°	8223.8	8226.5	8222.4	8206.3	8203.7	8163.3	8096.2	8039.7	7972.5	7879.7	7821.8
-5°	8198.2	8197.0	8182.3	8160.7	8131.0	8081.4	7996.8	7924.1	7838.1	7733.3	7676.8
-7°	8059.8	8063.9	8035.6	8020.7	7956.4	7882.6	7785.5	7698.4	7624.4	7553.2	7527.7
-9°	7820.6	7828.7	7787.1	7780.3	7687.5	7605.6	7535.8	7472.6	7433.6	7395.9	7382.5
-11°	7490.0	7500.7	7473.9	7488.7	7428.3	7397.3	7364.9	7324.7	7293.7	7262.9	7234.7
-13°	7260.3	7265.5	7253.5	7252.2	7228.0	7221.1	7205.0	7182.2	7158.0	7121.7	7084.0
-15°	7127.1	7132.6	7121.7	7115.0	7101.5	7097.5	7082.8	7053.3	7020.8	6973.9	6914.7
-17°	6999.4	7010.2	6998.2	6990.2	6976.7	6965.7	6955.1	6922.8	6879.9	6824.8	6727.9
-19.5°	6593.7	6609.6	6596.3	6593.7	6594.9	6601.5	6600.3	6574.7	6558.8	6530.3	6443.2
-22.5°	6223.9	6230.8	6227.9	6230.8	6234.8	6237.4	6234.8	6223.9	6208.0	6172.9	6082.7
-25.5°	6050.7	6054.7	6050.7	6051.9	6046.6	6042.6	6031.9	6011.5	5991.5	5955.2	5867.9
-29°	5804.7	5810.0	5808.8	5807.1	5801.9	5785.8	5763.0	5734.7	5706.8	5662.1	5579.1
-33°	5572.0	5576.2	5573.6	5563.9	5552.0	5533.2	5506.2	5468.7	5425.5	5370.5	5280.3
-37.5°	5346.3	5339.6	5341.0	5328.9	5315.4	5294.0	5267.0	5233.3	5182.3	5122.0	5035.9
-42.5°	5022.5	4994.3	4986.2	4937.8	4924.3	4869.2	4851.7	4820.8	4788.5	4795.4	4694.5
-47.5°	3339.7	3294.1	3308.8	3268.5	3294.1	3265.8	3291.5	3241.6	3249.7	3248.3	3204.0
-55°	725.7	717.7	743.3	768.7	787.7	795.5	767.5	741.9	751.4	813.1	783.7
-65°	535.0	533.6	533.6	530.9	526.9	524.0	525.4	528.1	528.1	536.3	555.1
-75°	80.7	79.3	80.7	79.3	74.0	76.7	83.3	80.7	83.3	83.3	83.3
-85°	25.7	25.7	24.0	28.2	29.6	34.9	40.4	43.0	45.6	47.2	47.2
-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):

	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°	26.9	26.9	28.2	28.2	26.9	26.9	26.9	26.9	26.9	28.2	29.6
75°	9.4	10.6	12.1	14.7	16.1	18.8	18.8	21.6	24.0	26.9	29.6
65°	5.3	4.1	4.1	4.1	5.3	6.7	10.6	14.7	20.2	24.0	28.2
55°	48.4	32.0	14.7	13.5	13.5	12.1	10.6	12.1	20.2	24.0	28.2
47.5°	185.6	123.6	75.2	61.8	56.5	45.6	41.6	43.0	36.3	25.7	29.6
42.5°	295.7	296.9	243.3	748.8	633.2	247.3	256.8	176.1	51.0	29.6	31.0
37.5°	5410.8	5015.7	4901.5	4613.9	4229.6	3071.0	2757.7	264.8	65.9	37.5	33.7
33°	8949.6	8541.0	7957.6	7828.7	7158.0	5885.2	4231.0	1474.3	81.9	44.4	34.9
29°	9801.6	9429.5	9051.6	8621.8	8164.7	7202.4	5245.6	1962.2	98.1	51.0	37.5
25.5°	9473.8	9188.8	8867.7	8504.7	8234.5	7675.4	5964.6	2313.0	114.2	60.5	39.2
22.5°	8957.7	8682.1	8423.9	8174.2	8025.0	7684.9	6245.5	2549.6	131.7	71.2	41.6
19.5°	8559.9	8301.9	8069.2	7889.2	7829.9	7533.0	6320.7	2743.0	147.9	80.7	43.0
17°	8235.9	8015.5	7846.3	7734.7	7672.7	7315.3	6314.0	2903.0	164.0	84.7	43.0
15°	8026.4	7825.9	7706.3	7635.1	7523.5	7117.9	6273.6	3044.1	177.5	88.7	44.4
13°	7899.9	7748.0	7652.6	7545.0	7335.5	6913.5	6222.7	3192.0	186.8	91.4	44.4
11°	7828.7	7709.0	7619.1	7420.0	7132.6	6769.5	6179.8	3346.6	192.2	94.0	45.6
9°	7801.8	7679.4	7530.3	7261.5	6985.9	6670.3	6140.6	3520.0	196.0	96.9	45.6
7°	7844.8	7711.7	7487.4	7171.5	6865.2	6600.3	6112.3	3693.3	198.9	99.5	45.6
5°	7882.6	7754.7	7479.1	7075.9	6760.3	6530.3	6085.5	3863.9	201.5	102.2	47.2
3°	7909.3	7779.0	7467.0	6979.3	6670.3	6464.5	6063.9	4022.5	202.9	103.4	47.2
1°	7985.8	7765.5	7428.3	6900.0	6602.9	6416.3	6041.1	4167.6	200.3	103.4	47.2
0°	7934.8	7727.8	7389.2	6866.4	6568.0	6394.8	6030.5	4231.0	200.3	102.2	47.2
-1°	7831.3	7678.2	7343.6	6834.3	6537.2	6374.4	6025.0	4294.0	198.9	102.2	47.2
-3°	7676.8	7557.2	7248.0	6775.0	6466.0	6317.9	6010.3	4402.9	197.7	100.8	45.6
-5°	7543.8	7441.6	7145.9	6691.6	6375.8	6241.4	5971.1	4472.7	196.0	99.5	45.6
-7°	7429.5	7293.7	7003.5	6576.1	6273.6	6146.0	5929.6	4515.6	194.8	98.1	45.6
-9°	7284.3	7116.2	6820.7	6443.2	6160.8	6030.5	5872.0	4521.1	193.6	96.9	44.4
-11°	7123.2	6933.5	6643.5	6304.6	6051.9	5920.3	5797.9	4486.2	192.2	94.0	43.0
-13°	6947.0	6740.1	6474.0	6175.5	5939.1	5812.6	5718.6	4402.9	190.8	94.0	43.0
-15°	6753.6	6545.2	6300.6	6051.9	5836.9	5693.2	5627.2	4277.8	190.8	92.8	41.6
-17°	6545.2	6324.8	6113.7	5912.2	5718.6	5574.8	5522.4	4106.0	188.0	91.4	40.4
-19.5°	6265.7	6062.7	5891.9	5730.7	5553.2	5423.1	5383.9	3821.0	184.2	90.0	39.2
-22.5°	5909.5	5720.0	5580.1	5472.8	5355.7	5261.5	5253.5	3444.8	177.5	87.3	37.5
-25.5°	5710.5	5538.5	5404.1	5288.4	5198.4	5152.8	5137.9	3064.3	169.3	84.7	34.9
-29°	5450.0	5303.5	5179.7	5058.6	4980.8	4983.6	4995.5	2622.0	162.6	79.3	33.7
-33°	5160.9	5037.3	4912.2	4780.5	4697.1	4703.8	4721.4	2131.7	164.0	72.6	32.0
-37.5°	4929.7	4811.6	4662.3	4496.8	4357.1	4350.4	4291.4	288.8	168.1	63.2	31.0
-42.5°	4578.8	4530.5	4329.1	4186.4	3928.5	3697.3	3374.8	285.0	161.1	51.0	31.0
-47.5°	3127.5	3064.3	3003.9	2932.6	2694.8	2336.0	1838.6	267.4	142.4	39.2	29.6
-55°	841.4	835.9	864.1	790.2	651.7	251.3	259.4	168.1	94.0	31.0	29.6
-65°	594.0	602.1	473.2	251.3	176.1	123.6	176.1	100.8	51.0	29.6	29.6
-75°	83.3	76.7	56.5	61.8	64.5	64.5	60.5	39.2	32.0	31.0	29.6
-85°	47.2	47.2	45.6	44.4	43.0	40.4	39.2	36.3	34.9	32.0	31.0
-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)