

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMARK

Report Number: P210017

Luminaire Tested: **MPXL-T6-1000**

Issue Date:

Test Information

Test Method: LM-46-04
Report Number: P210017
DATA PRORATED FROM REPORT 764989
Test Lab:
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: MPXL-T6-1000
Description: EAGLESPORTS FLOODLIGHT - 6H x 6V
Light Source: 1000 WATT PULSE START METAL HALIDE, CLEAR, BT-56, UNIVERSAL
Ballast/Driver: -

Summary

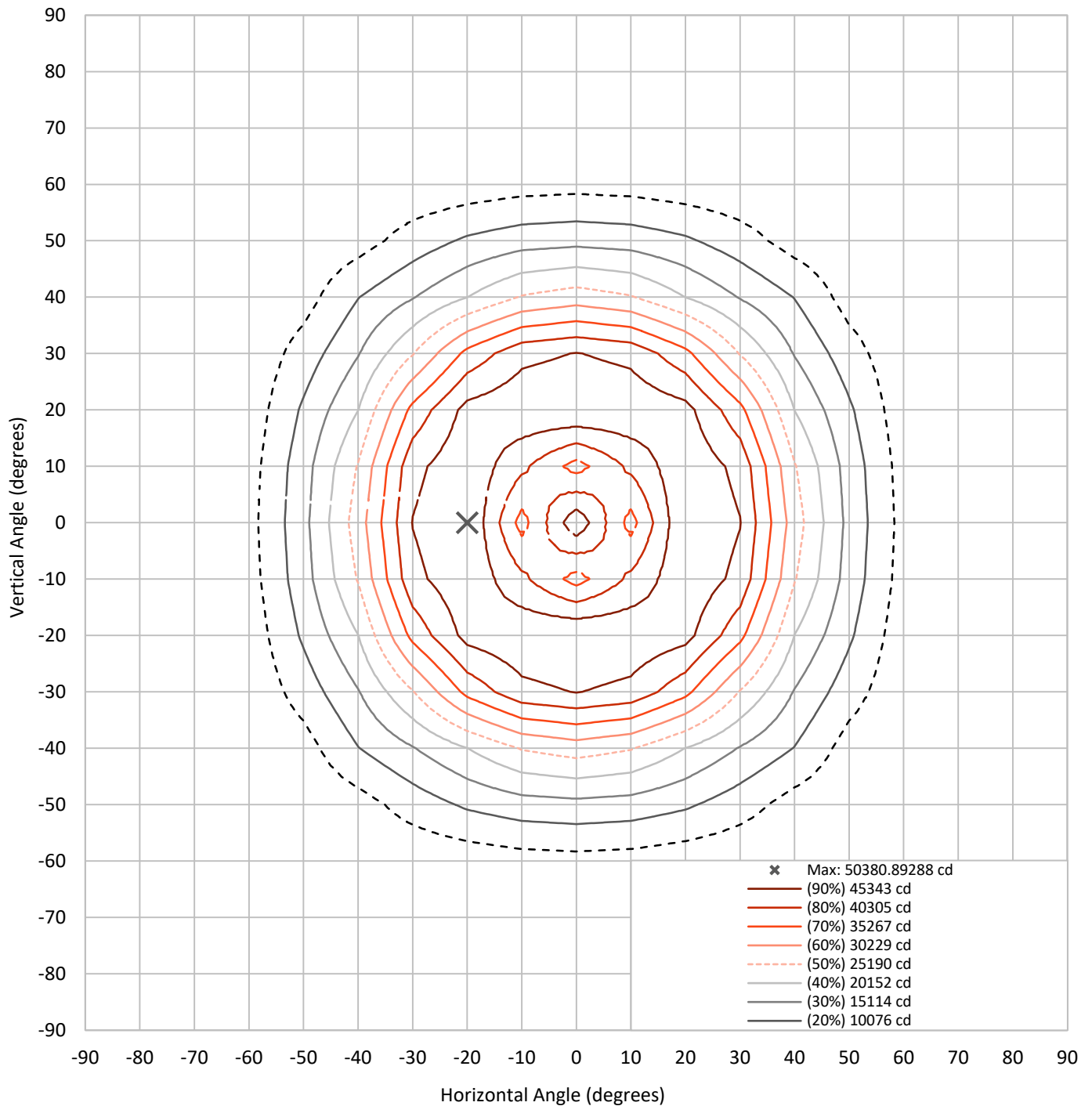
Lumens per Lamp:	110000 (1 lamp)	NEMA Type:	6H x 6V
Luminaire Lumens:	85103.7 lumens	Max Intensity:	50380.9 candela
Efficiency:	77.4%	Max Intensity Angle:	-20°H x 0°V
Efficacy:	85.1 lumens/watt		
Luminous Opening:	Point Source (0' x 0' x 0')		
Beam Angle (50%):	83.5°H x 73.9°V	Field Angle (10%):	116.6°H x 112.9°V
Beam Lumens:	60450.2 lumens	Field Lumens:	82861.9 lumens
Beam Efficiency:	71.0%	Field Efficiency:	97.4%

Input Watts (W): 1000
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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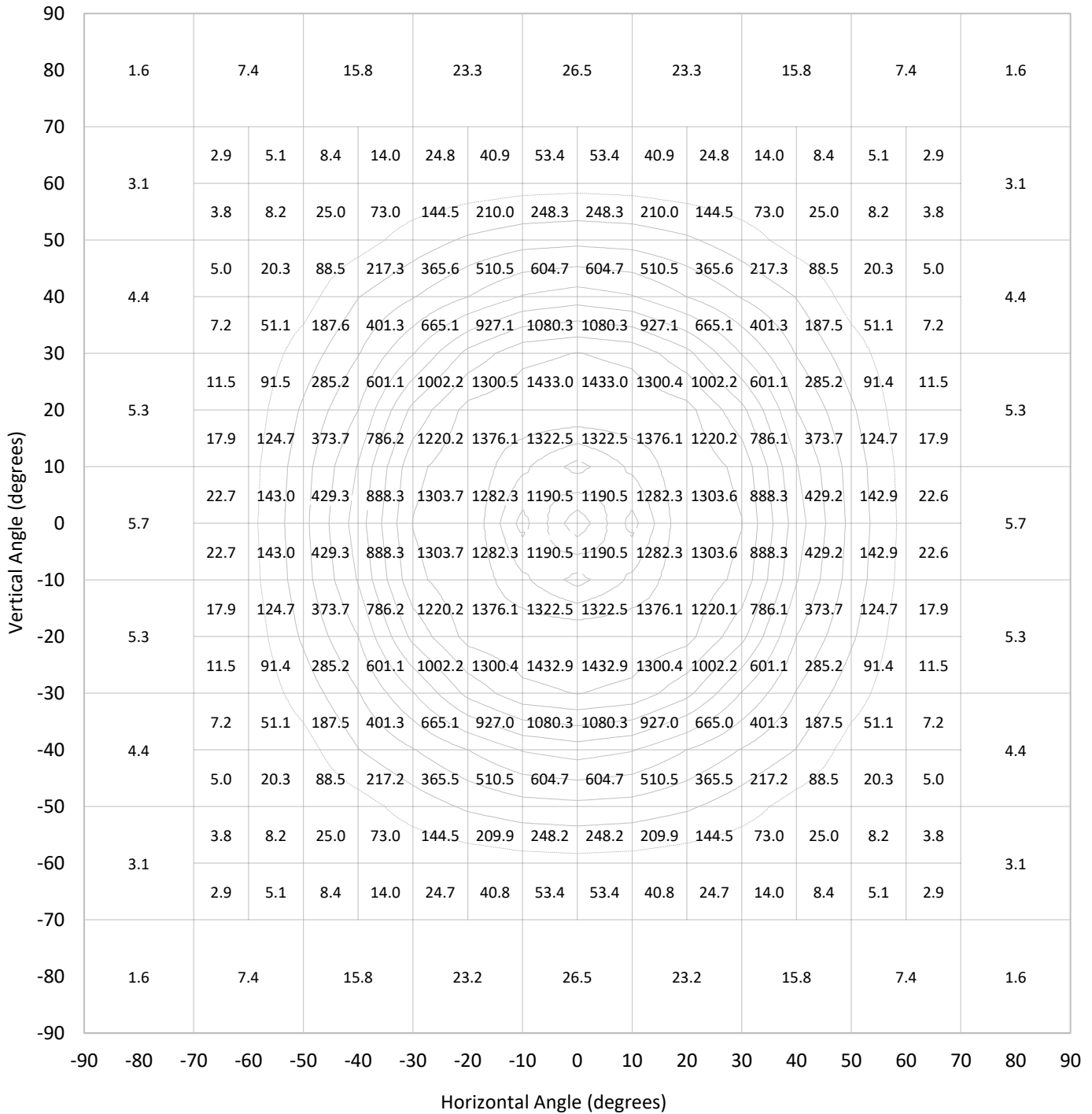
Iso-Candela Plot





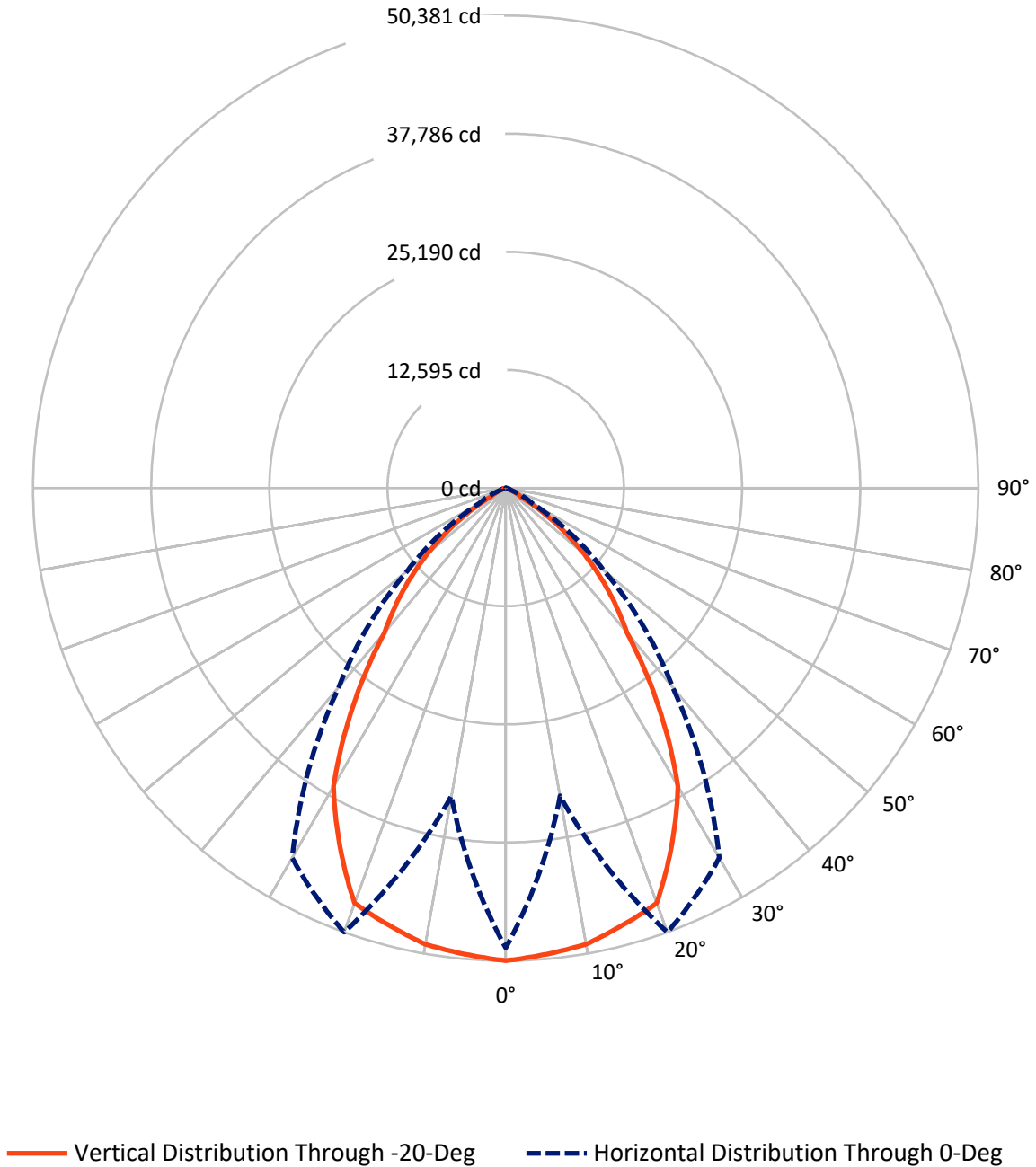
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Lumen Table



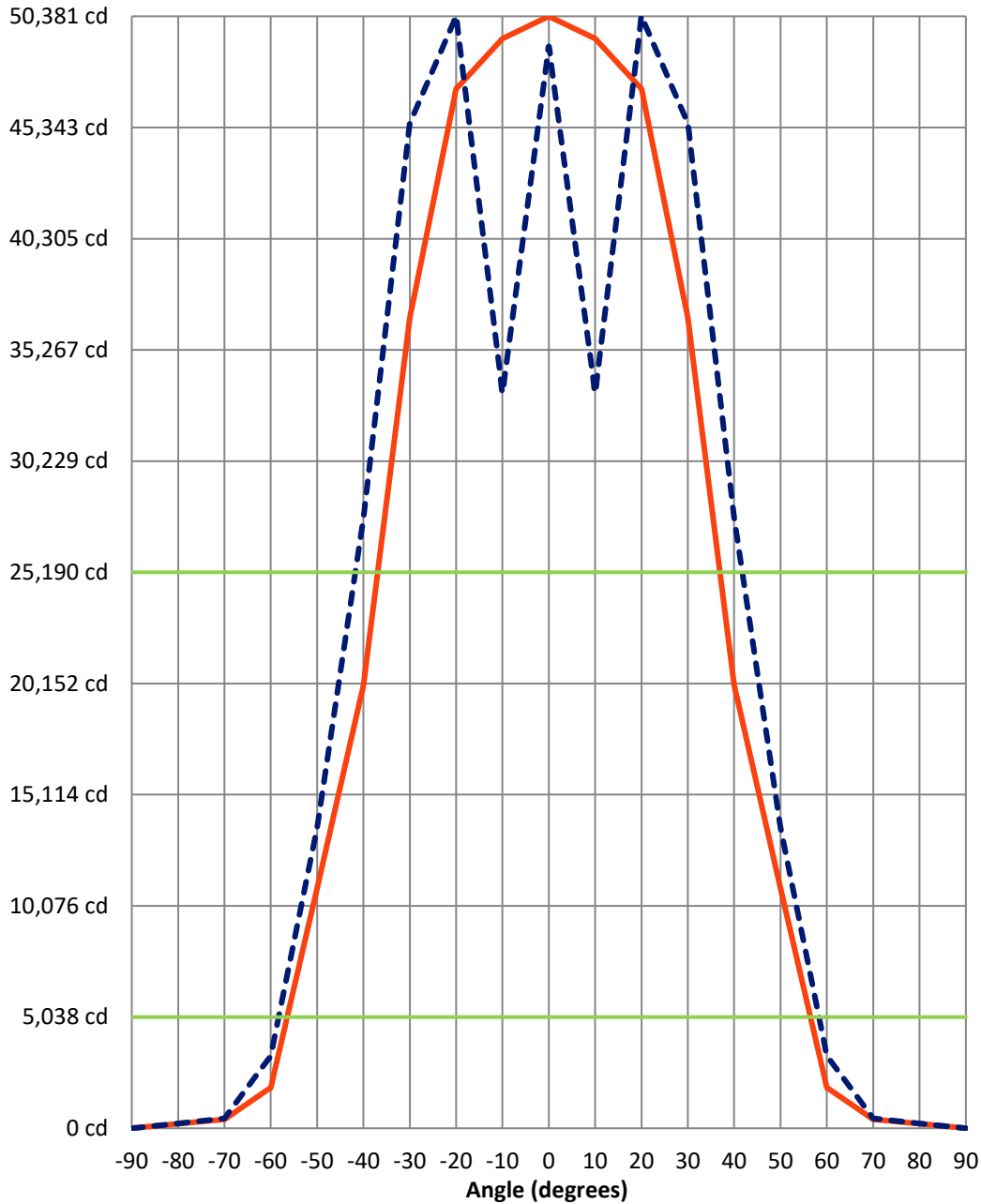
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 83.5°
 V Angle: 73.9°
 Lumens: 60450.2
 Efficiency: 71.0%

Field:
 H Angle: 116.6°
 V Angle: 112.9°
 Lumens: 82861.9
 Efficiency: 97.4%

Spill:
 Lumens: 2241.8
 Efficiency: 2.6%

— Vertical Distribution through -20-Deg
 - - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-80°	-70°	-60°	-50°	-40°	-30°	-20°	-10°	0°	10°
90°	0.0	1.4	0.0	0.7	0.7	0.7	0.0	2.8	2.8	0.7	2.8
80°	0.7	93.7	111.4	127.7	160.4	185.9	197.3	207.2	214.3	216.5	214.3
70°	0.0	111.4	167.5	214.3	262.6	311.5	361.9	403.1	433.6	449.2	433.6
60°	0.7	127.7	214.3	296.6	402.4	589.0	981.5	1844.5	2882.0	3282.3	2882.0
50°	0.7	160.4	262.6	402.4	779.9	2882.0	7267.1	10870.2	12983.6	13620.9	12983.6
40°	0.0	185.9	311.5	589.0	2881.3	9907.8	14816.7	20081.1	25557.0	27653.4	25557.7
30°	0.0	197.3	361.9	980.8	7265.0	14816.0	24872.2	36712.5	43838.4	45532.4	43838.4
20°	0.7	207.2	402.4	1843.7	10868.7	20080.4	36711.7	47090.1	49372.4	50380.9	49372.4
10°	0.7	214.3	433.6	2880.6	12980.0	25553.4	43835.5	49371.7	41476.5	33313.8	41474.4
0°	0.7	216.5	449.2	3282.3	13620.9	27653.4	45532.4	50380.9	33313.8	49019.0	33313.8
-10°	0.7	214.3	433.6	2880.6	12980.0	25552.7	43835.5	49371.7	41478.7	33313.8	41476.5
-20°	0.7	207.2	402.4	1843.7	10868.7	20079.7	36711.0	47090.1	49371.7	50380.9	49371.7
-30°	0.0	197.3	361.9	980.8	7263.6	14816.0	24871.4	36711.0	43835.5	45532.4	43835.5
-40°	0.0	185.9	311.5	589.0	2880.6	9906.4	14816.0	20079.7	25552.7	27653.4	25553.4
-50°	0.7	160.4	262.6	402.4	779.9	2880.6	7263.6	10868.7	12980.0	13620.9	12980.0
-60°	0.7	127.7	214.3	296.6	402.4	589.0	980.8	1843.7	2880.6	3282.3	2880.6
-70°	0.0	111.4	167.5	214.3	262.6	311.5	361.9	402.4	433.6	449.2	433.6
-80°	0.7	93.7	111.4	127.7	160.4	185.9	197.3	207.2	214.3	216.5	214.3
-90°	0.0	0.7	0.0	0.7	0.7	0.7	0.0	2.1	2.1	0.7	2.1



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CANDELA DISTRIBUTION (continued):

	20°	30°	40°	50°	60°	70°	80°	90°
90°	2.8	0.0	0.7	0.7	0.7	0.0	1.4	0.0
80°	207.2	197.3	185.9	160.4	127.7	111.4	93.7	0.7
70°	403.1	361.9	311.5	262.6	214.3	167.5	111.4	0.0
60°	1844.5	981.5	589.0	402.4	296.6	214.3	127.7	0.7
50°	10870.2	7267.8	2882.0	779.9	402.4	262.6	160.4	0.7
40°	20081.8	14816.7	9908.6	2882.0	589.0	311.5	185.9	0.7
30°	36713.2	24872.2	14816.7	7267.8	981.5	361.9	197.3	0.0
20°	47090.1	36713.2	20081.8	10870.2	1844.5	403.1	207.2	0.7
10°	49372.4	43838.4	25557.7	12983.6	2882.0	433.6	214.3	0.7
0°	50380.9	45532.4	27653.4	13620.9	3282.3	449.2	216.5	0.7
-10°	49372.4	43838.4	25557.0	12983.6	2882.0	433.6	214.3	0.7
-20°	47090.1	36712.5	20081.1	10870.2	1844.5	403.1	207.2	0.7
-30°	36711.7	24872.2	14816.7	7266.4	981.5	361.9	197.3	0.0
-40°	20080.4	14816.0	9907.1	2881.3	589.0	311.5	185.9	0.7
-50°	10868.7	7264.3	2880.6	779.9	402.4	262.6	160.4	0.7
-60°	1843.7	980.8	589.0	402.4	296.6	214.3	127.7	0.7
-70°	402.4	361.9	311.5	262.6	214.3	167.5	111.4	0.0
-80°	207.2	197.3	185.9	160.4	127.7	111.4	93.7	0.7
-90°	2.1	0.0	0.7	0.7	0.7	0.0	0.7	0.0

(END OF REPORT)