

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: P571685

Luminaire Tested: **UFLD-L-CA4-320-727-U-66-TS2HW_NFFLD**

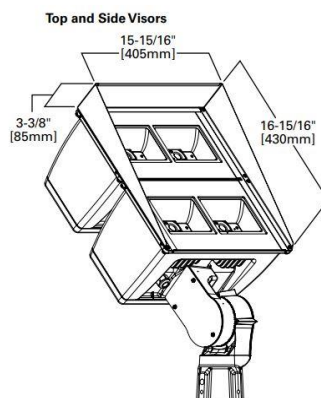
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-320-727-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

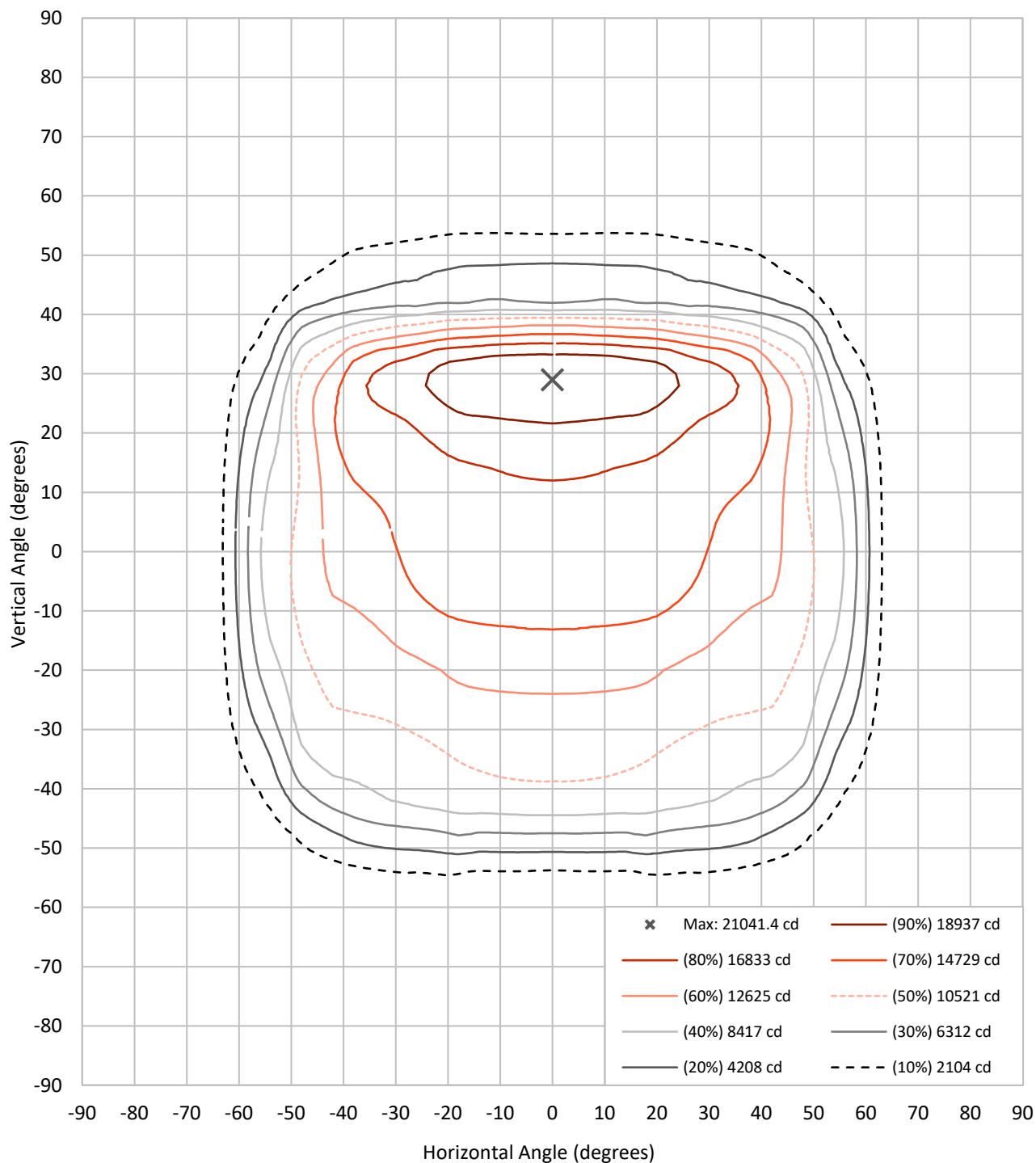
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36570 lumens	Max Intensity:	21041.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	113.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	26549.6 lumens	Field Lumens:	35548.1 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	322.4		
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:	25 FT		



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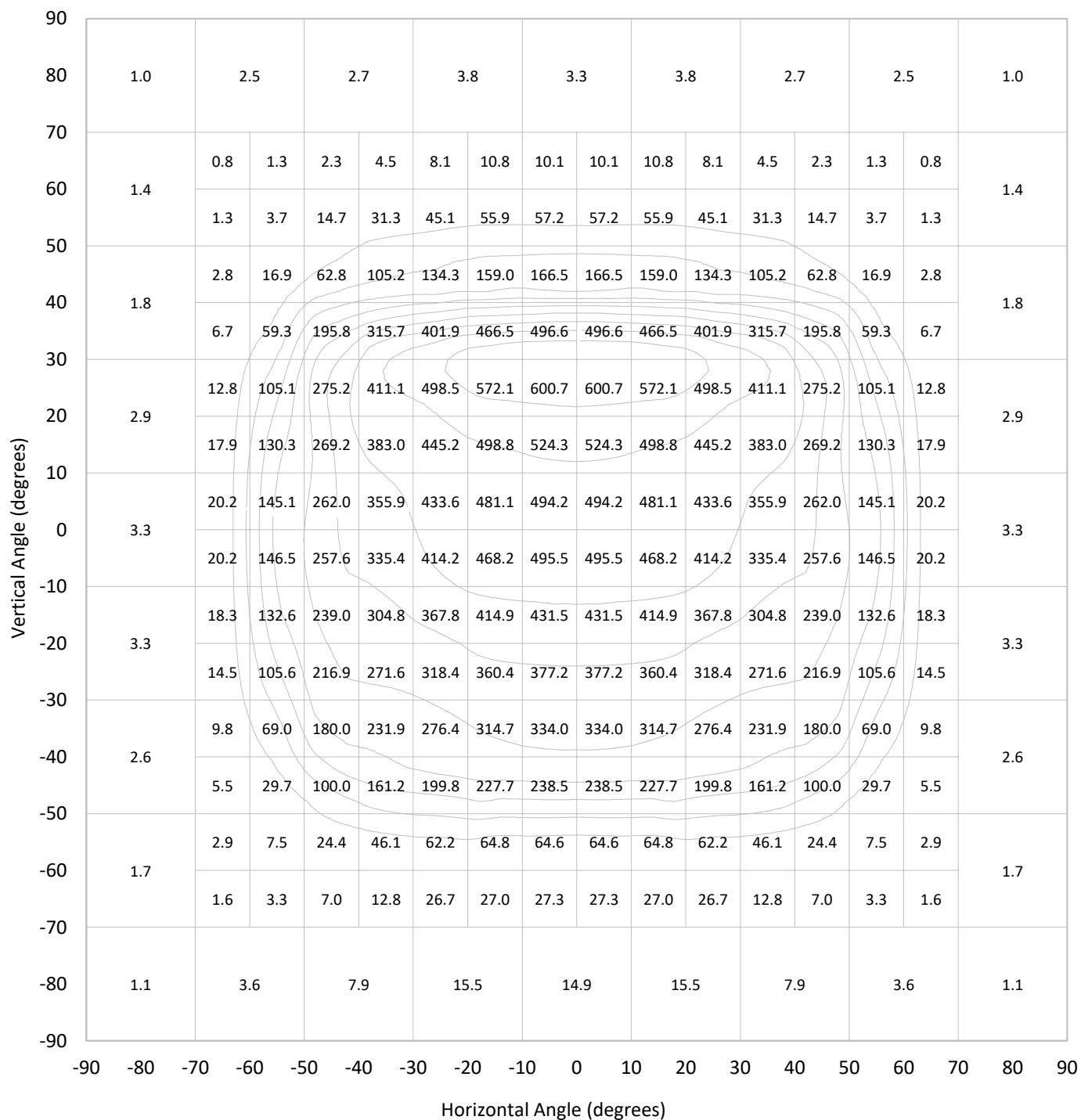
Iso-Candela Plot



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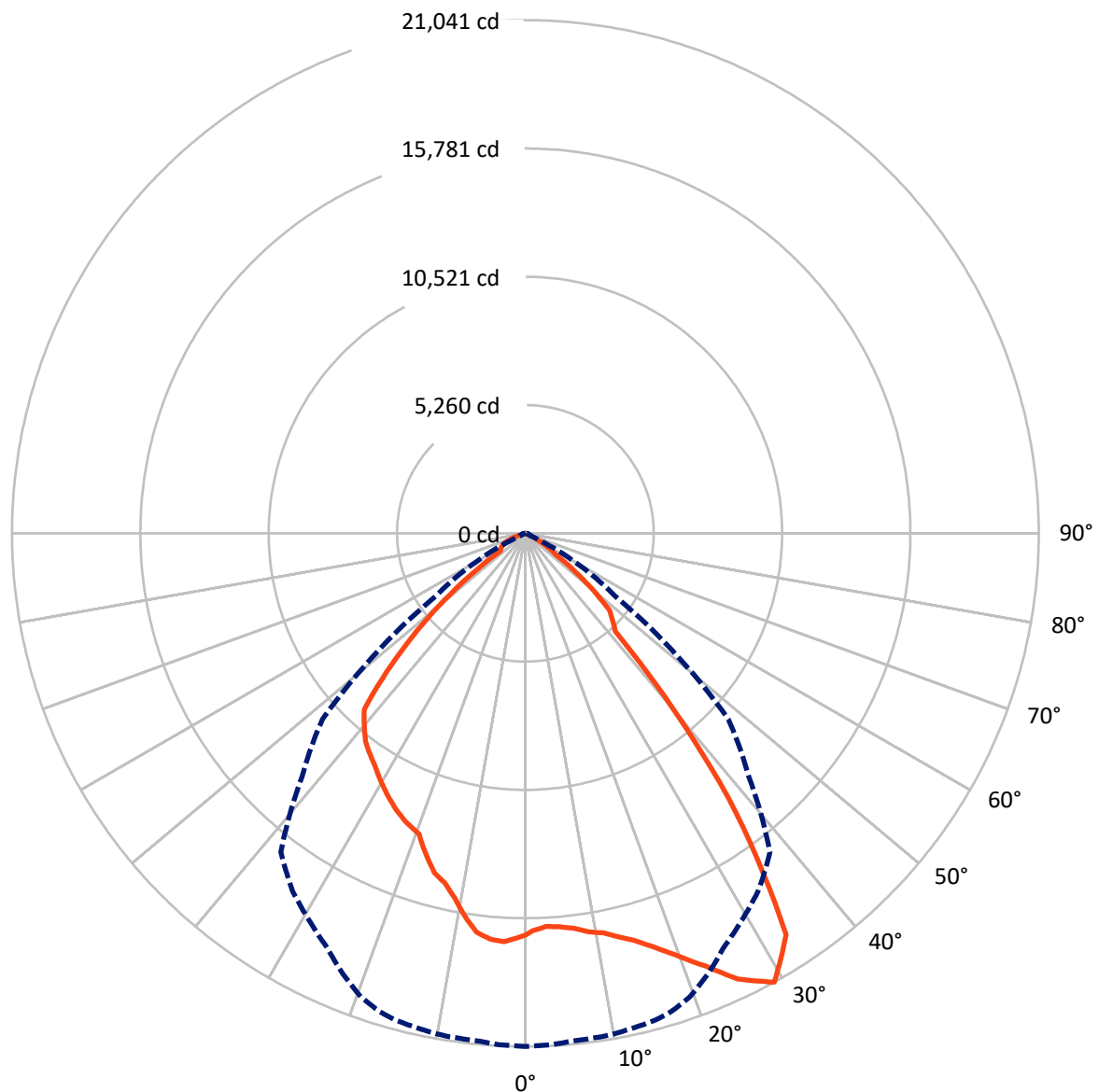
Lumen Table



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Luminous Intensity Polar Plot



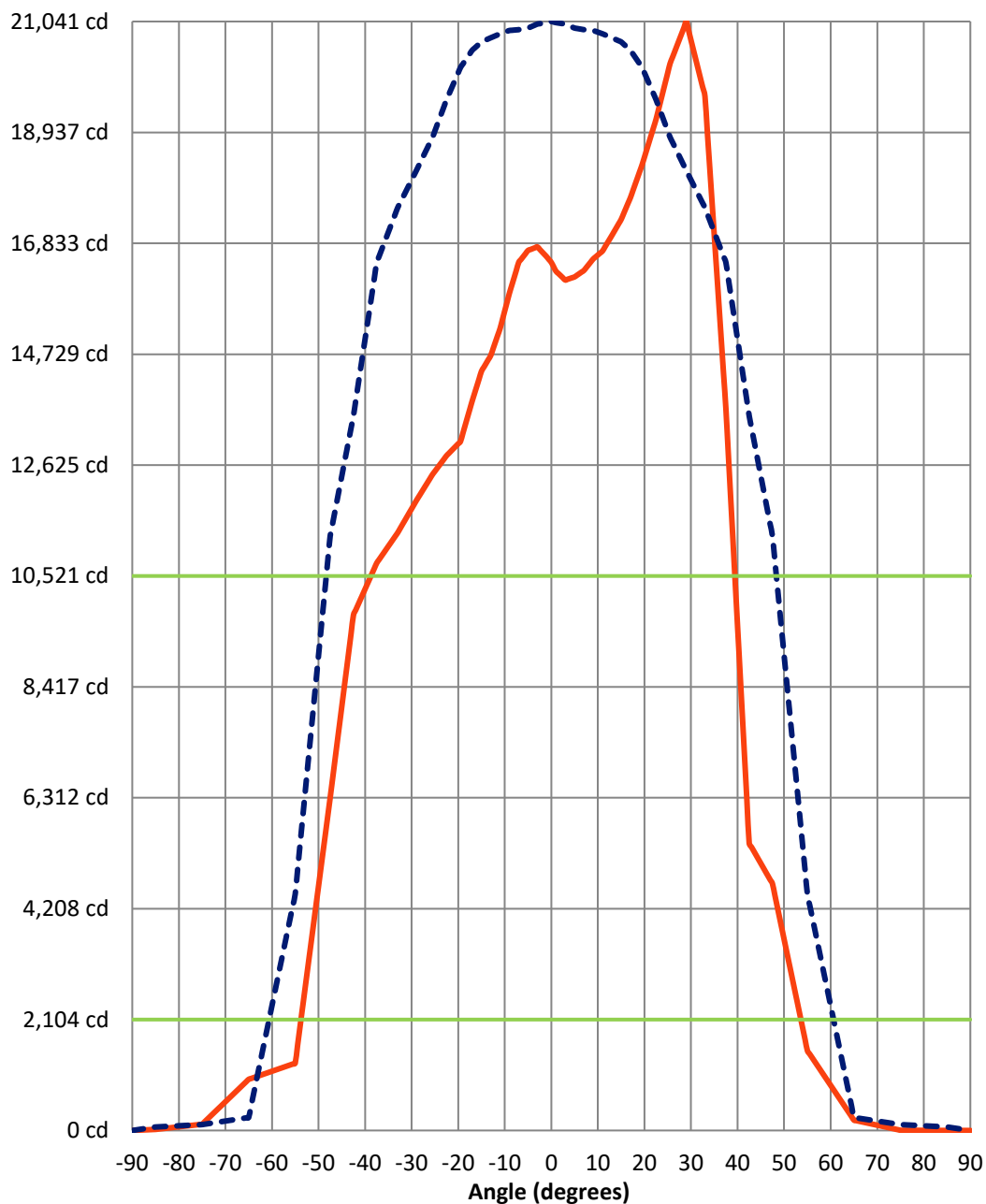
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 26549.6

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 35548.1

Efficiency: 97.2%

Spill:

Lumens: 1021.9

Efficiency: 2.8%

— 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	9.7	21.8	27.4	29.9	32.3	34.7	36.3	36.3	35.5	33.9
75°	4.0	5.6	12.9	16.9	19.4	21.0	22.6	21.8	22.6	21.0	21.0
65°	196.1	196.1	195.3	189.7	178.4	166.3	159.8	176.8	221.1	263.1	272.8
55°	1515.8	1497.2	1494.0	1558.5	1559.3	1607.0	1610.2	1623.1	1585.2	1611.8	1562.6
47.5°	4680.4	4683.7	4655.4	4636.8	4611.0	4557.7	4520.6	4494.0	4490.0	4455.2	4310.8
42.5°	5453.6	5461.7	5536.8	5581.2	5707.1	5858.0	5976.6	5835.4	5710.3	5431.8	5519.0
37.5°	13690.2	13702.3	13687.8	13658.7	13349.6	13268.9	13206.7	13023.5	12937.2	12901.7	12752.3
33°	19620.8	19695.9	19652.3	19592.6	19634.6	19591.0	19499.0	19311.7	18975.2	18804.0	18573.2
29°	21041.4	21020.4	20992.9	20917.1	20886.4	20871.1	20808.1	20733.0	20654.7	20494.9	20169.7
25.5°	20241.5	20173.7	20176.9	20105.1	20050.2	20038.1	19977.6	19891.2	19817.0	19664.4	19324.6
22.5°	19186.6	19168.9	19133.3	19069.6	19034.9	18953.4	18883.9	18808.9	18788.7	18733.8	18470.7
19.5°	18323.0	18302.0	18302.0	18268.9	18221.3	18141.4	18040.5	17965.5	17920.3	17899.3	17708.8
17°	17701.5	17682.2	17675.7	17624.9	17582.9	17509.4	17406.1	17308.5	17235.0	17196.3	17058.3
15°	17285.1	17253.6	17248.7	17226.1	17181.8	17105.9	17004.2	16913.8	16850.0	16772.5	16633.7
13°	16980.8	16944.5	16938.0	16903.3	16858.1	16787.9	16705.6	16630.5	16578.0	16497.3	16373.8
11°	16687.0	16712.0	16691.0	16658.7	16607.9	16548.2	16487.6	16440.0	16397.2	16347.2	16260.8
9°	16536.1	16485.2	16488.4	16459.4	16425.5	16382.7	16340.7	16293.1	16289.1	16284.2	16216.5
7°	16317.3	16301.2	16325.4	16309.3	16261.6	16267.3	16232.6	16241.5	16266.5	16292.3	16300.4
5°	16195.5	16185.8	16194.7	16189.8	16172.9	16179.3	16175.3	16222.9	16298.8	16430.3	16546.6
3°	16135.7	16152.7	16150.3	16151.9	16189.0	16204.3	16243.9	16312.5	16406.9	16518.3	16532.8
1°	16303.6	16323.0	16332.7	16368.2	16431.1	16434.4	16433.6	16473.9	16491.7	16754.0	16737.8
0°	16469.9	16480.4	16484.4	16488.4	16512.7	16524.8	16489.3	16478.8	16450.5	16641.8	16546.6
-1°	16578.0	16602.2	16586.1	16611.1	16634.5	16575.6	16526.4	16467.5	16429.5	16528.8	16336.7
-3°	16766.1	16748.3	16708.0	16703.9	16708.8	16615.2	16488.4	16423.1	16310.9	16254.4	16176.9
-5°	16697.5	16691.0	16643.4	16616.0	16561.1	16410.2	16285.9	16181.7	16062.3	15885.5	15770.1
-7°	16470.7	16390.0	16369.0	16324.6	16160.8	16029.2	15880.7	15761.2	15595.8	15494.9	15412.6
-9°	15885.5	15847.6	15857.3	15799.2	15603.9	15494.1	15392.4	15292.3	15192.2	15118.0	15063.1
-11°	15218.1	15149.5	15201.9	15151.9	15055.0	15008.2	14975.1	14919.4	14882.3	14833.9	14772.5
-13°	14706.3	14674.1	14717.6	14693.4	14641.8	14644.2	14635.3	14610.3	14587.7	14527.2	14419.0
-15°	14405.3	14366.6	14382.7	14390.8	14369.8	14362.5	14355.3	14328.6	14289.9	14214.8	14080.8
-17°	13839.5	13776.6	13799.2	13800.8	13796.7	13774.9	13808.8	13791.9	13784.6	13733.0	13610.3
-19.5°	13074.4	13048.5	13046.1	13050.2	13061.5	13065.5	13083.3	13082.4	13074.4	13011.4	12885.5
-22.5°	12803.2	12799.1	12784.6	12795.1	12788.7	12780.6	12775.7	12753.1	12700.7	12643.4	12494.1
-25.5°	12448.9	12441.6	12463.4	12441.6	12408.5	12390.8	12347.2	12300.4	12250.3	12211.6	12057.4
-29°	11949.3	11945.2	11927.5	11912.9	11862.9	11810.4	11739.4	11691.8	11592.5	11529.6	11345.5
-33°	11340.7	11321.3	11293.1	11272.1	11242.2	11193.8	11147.8	11062.2	10966.2	10872.6	10697.4
-37.5°	10766.0	10789.4	10767.7	10762.8	10724.9	10668.4	10601.4	10521.5	10431.9	10331.8	10172.0
-42.5°	9777.3	9779.8	9774.1	9734.6	9660.3	9597.3	9521.5	9475.5	9448.8	9391.5	9239.8
-47.5°	6310.8	6324.5	6326.1	6343.1	6309.2	6282.5	6260.8	6233.3	6223.6	6700.6	6346.3
-55°	1276.8	1282.5	1315.6	1371.3	1402.8	1418.9	1380.2	1346.3	1347.9	1493.2	1691.7
-65°	970.1	965.3	962.1	954.8	949.2	939.5	948.4	958.8	952.4	970.1	991.1
-75°	118.6	119.5	120.3	119.5	109.0	119.5	133.2	128.3	134.8	139.6	138.8
-85°	20.2	19.4	26.6	33.1	36.3	42.8	48.4	52.5	54.1	54.9	54.9
-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°	31.5	29.9	28.2	27.4	28.2	30.7	34.7	41.2	52.5	57.3	61.3
75°	20.2	20.2	21.8	28.2	29.1	33.1	37.1	42.8	53.3	58.1	62.1
65°	217.1	129.9	94.4	79.9	64.6	55.7	55.7	60.5	63.8	62.1	63.0
55°	1457.6	1312.4	1184.8	1094.4	858.0	578.7	393.9	134.8	95.2	67.0	63.8
47.5°	4146.9	3897.5	3674.0	3439.1	3222.8	2318.0	1512.5	286.5	138.8	72.6	64.6
42.5°	5552.1	4798.3	5075.1	4813.6	4452.8	4037.2	3109.0	1035.5	158.2	81.5	64.6
37.5°	12160.7	11682.1	11256.0	10484.4	9530.4	8092.1	6877.4	2033.9	173.5	91.2	65.4
33°	18251.2	17351.2	16592.6	16076.0	14742.7	11681.3	9854.8	3093.7	206.6	101.7	66.2
29°	19557.9	18847.6	18210.8	17507.8	16466.7	13559.4	11275.3	4486.7	246.2	111.4	66.2
25.5°	18766.1	18147.9	17573.2	17068.8	16394.8	14238.2	11844.3	5527.1	285.7	121.9	66.2
22.5°	17917.8	17297.2	16750.0	16377.1	16074.4	14470.7	11682.1	6261.6	325.3	130.8	66.2
19.5°	17231.8	16667.6	16204.3	15923.5	15816.1	14415.0	11297.9	6903.2	369.7	138.8	67.0
17°	16607.9	16161.6	15810.5	15683.0	15607.1	14228.5	11074.4	7419.0	407.6	143.7	67.0
15°	16285.1	15898.4	15645.0	15579.6	15343.2	14011.4	10941.2	7789.4	430.2	148.5	67.0
13°	16071.2	15758.8	15585.3	15411.0	15024.3	13786.2	10875.8	8134.9	446.3	151.7	67.0
11°	15938.8	15696.7	15494.9	15168.8	14671.6	13620.0	10872.6	8425.4	454.4	155.0	67.8
9°	15978.4	15692.6	15363.3	14904.1	14389.2	13484.4	10906.5	8651.4	452.8	157.4	67.8
7°	16036.5	15708.8	15235.8	14656.3	14137.3	13405.3	10954.9	8833.8	443.9	159.8	67.8
5°	16089.7	15718.5	15172.1	14451.3	13928.3	13321.3	11017.0	8983.1	439.9	162.2	67.8
3°	16093.8	15703.9	15086.5	14248.7	13760.4	13261.6	11085.7	9101.8	435.8	163.8	67.8
1°	16033.2	15611.9	14959.0	14066.3	13636.1	13207.5	11157.5	9168.0	433.4	163.0	67.8
0°	15986.4	15519.9	14869.4	13984.0	13553.8	13171.2	11193.8	9184.9	427.0	161.4	67.8
-1°	15896.0	15447.3	14772.5	13933.9	13496.5	13118.0	11217.2	9170.4	423.7	160.6	67.8
-3°	15706.4	15238.2	14620.0	13806.4	13348.0	13005.0	11262.4	9140.5	426.2	159.0	67.8
-5°	15454.5	15026.8	14461.0	13663.6	13177.7	12861.3	11268.1	9060.6	431.8	158.2	67.8
-7°	15181.7	14783.8	14210.8	13449.7	12955.7	12651.4	11231.7	8937.9	423.7	158.2	67.8
-9°	14844.4	14432.7	13861.3	13174.5	12716.0	12414.2	11152.6	8771.7	420.5	159.0	67.8
-11°	14490.0	14055.0	13513.4	12900.8	12456.9	12168.0	11044.5	8578.8	420.5	158.2	68.6
-13°	14126.8	13675.7	13176.9	12631.3	12230.1	11883.1	10896.8	8344.7	417.3	159.8	67.8
-15°	13760.4	13303.6	12876.6	12381.1	12020.3	11634.5	10720.0	8055.8	415.7	162.2	67.8
-17°	13282.6	12888.7	12531.2	12120.4	11775.7	11407.7	10525.5	7732.1	411.6	163.8	67.8
-19.5°	12574.8	12238.2	11974.3	11711.2	11451.3	11109.1	10285.8	7269.6	401.1	164.7	67.8
-22.5°	12163.1	11818.5	11552.2	11318.9	11114.7	10840.3	10017.0	6657.0	383.4	164.7	67.8
-25.5°	11747.5	11435.1	11154.3	10913.7	10772.5	10595.7	9795.9	5976.6	369.7	162.2	67.8
-29°	11102.6	10868.5	10607.8	10364.1	10252.7	10150.2	9471.4	5090.4	361.6	157.4	67.8
-33°	10455.3	10216.4	9941.2	9655.5	9540.0	9488.4	8685.3	3935.5	360.8	148.5	67.8
-37.5°	9941.2	9688.5	9367.3	9021.1	8733.7	8512.6	7439.1	2926.6	354.3	134.8	67.8
-42.5°	9012.2	8851.6	8448.8	8173.6	7618.3	6758.7	5263.2	1898.3	325.3	113.0	67.0
-47.5°	6024.3	5833.8	5695.0	5517.4	5020.2	3904.8	2680.4	703.0	294.6	88.8	67.0
-55°	1657.8	1550.5	1635.2	1423.7	1133.2	832.9	699.8	259.9	230.0	76.7	66.2
-65°	1074.3	1109.0	814.4	506.9	316.4	238.9	342.2	154.2	117.8	70.2	65.4
-75°	130.8	115.4	92.0	101.7	108.2	98.5	91.2	66.2	65.4	65.4	64.6
-85°	53.3	51.7	50.0	49.2	47.6	46.8	47.6	50.0	56.5	62.1	63.0
-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)