

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: P571676

Luminaire Tested: **UFLD-L-CA4-250-750-U-66-TS2HW_NFFLD**

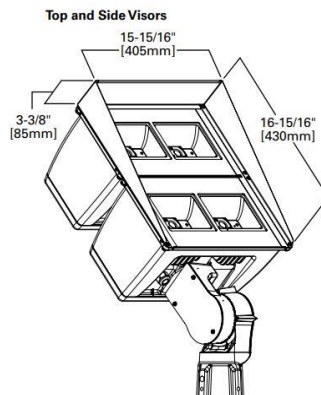
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571676
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-CA4-250-750-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

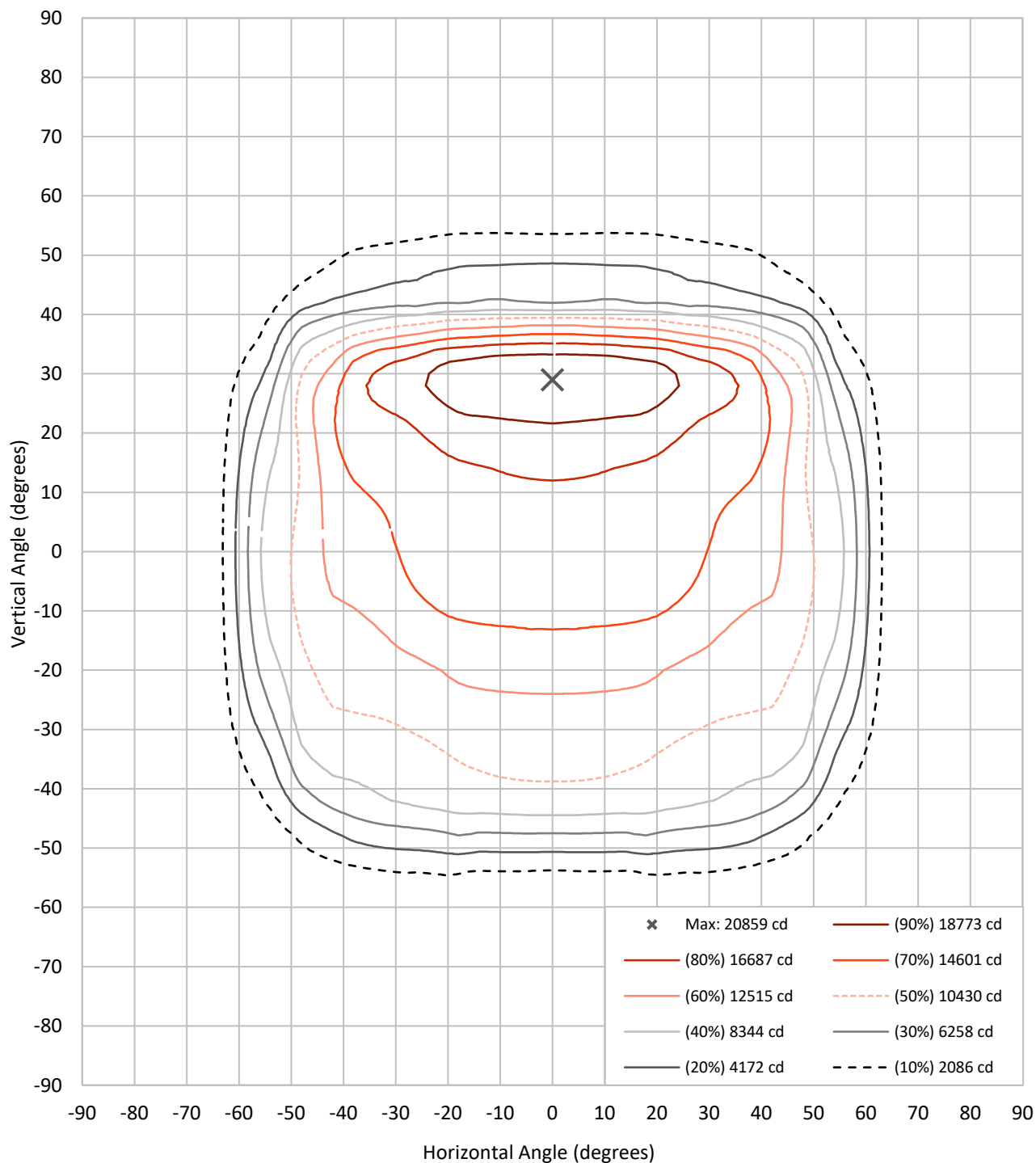
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36253 lumens	Max Intensity:	20859 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	144.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	26319.5 lumens	Field Lumens:	35239.9 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
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:	25 FT		



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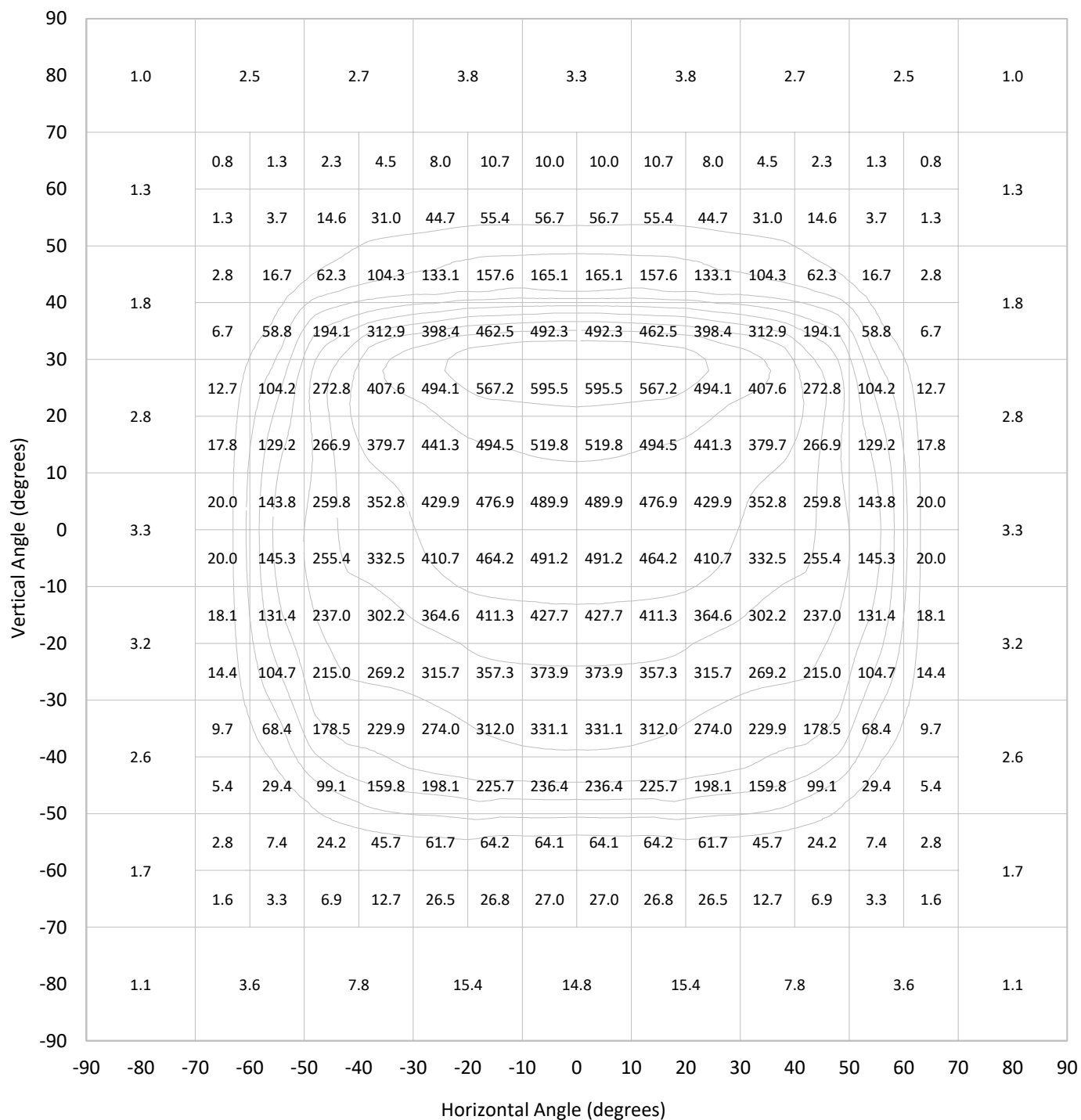
Iso-Candela Plot



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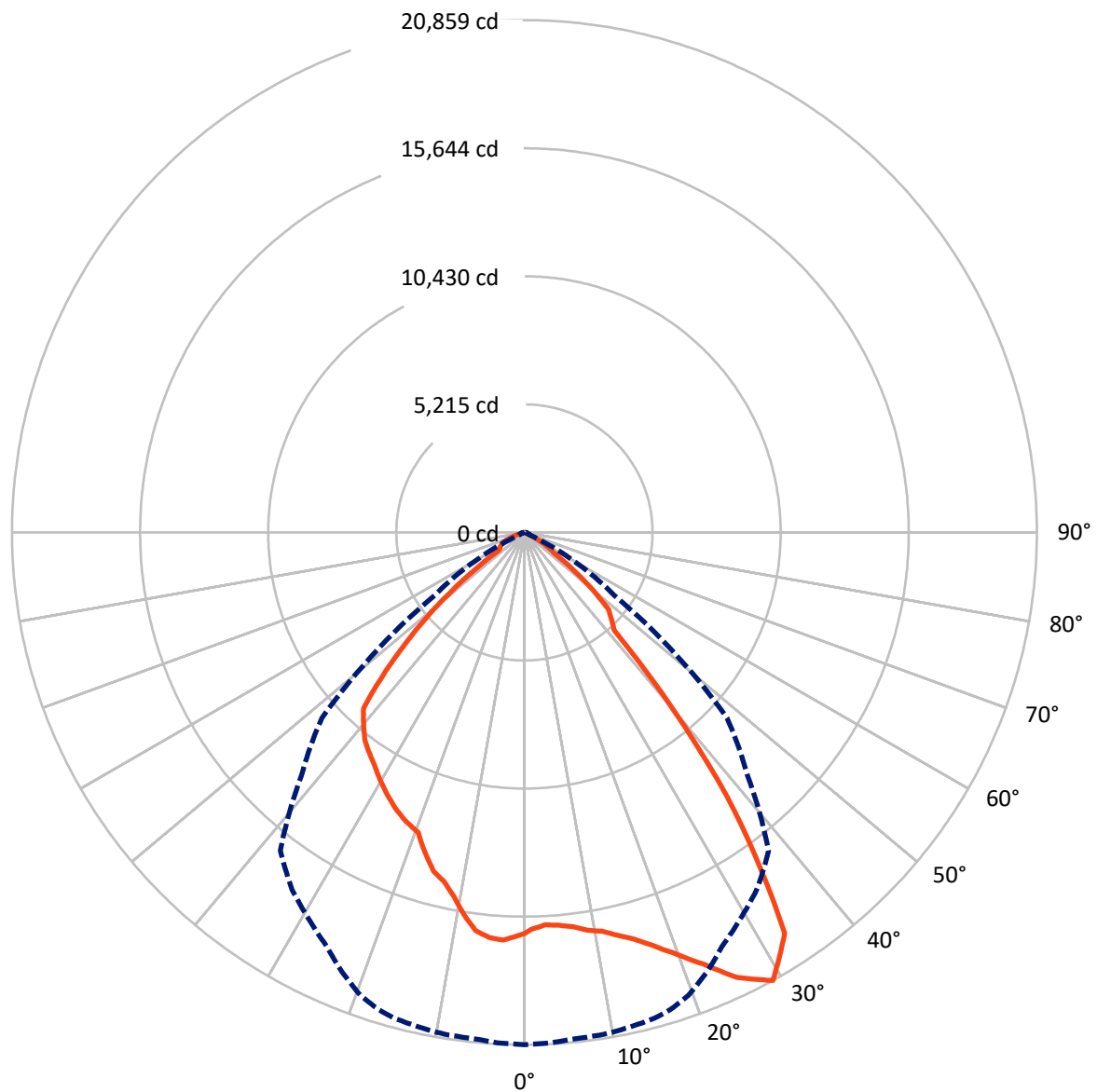
Lumen Table



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Luminous Intensity Polar Plot



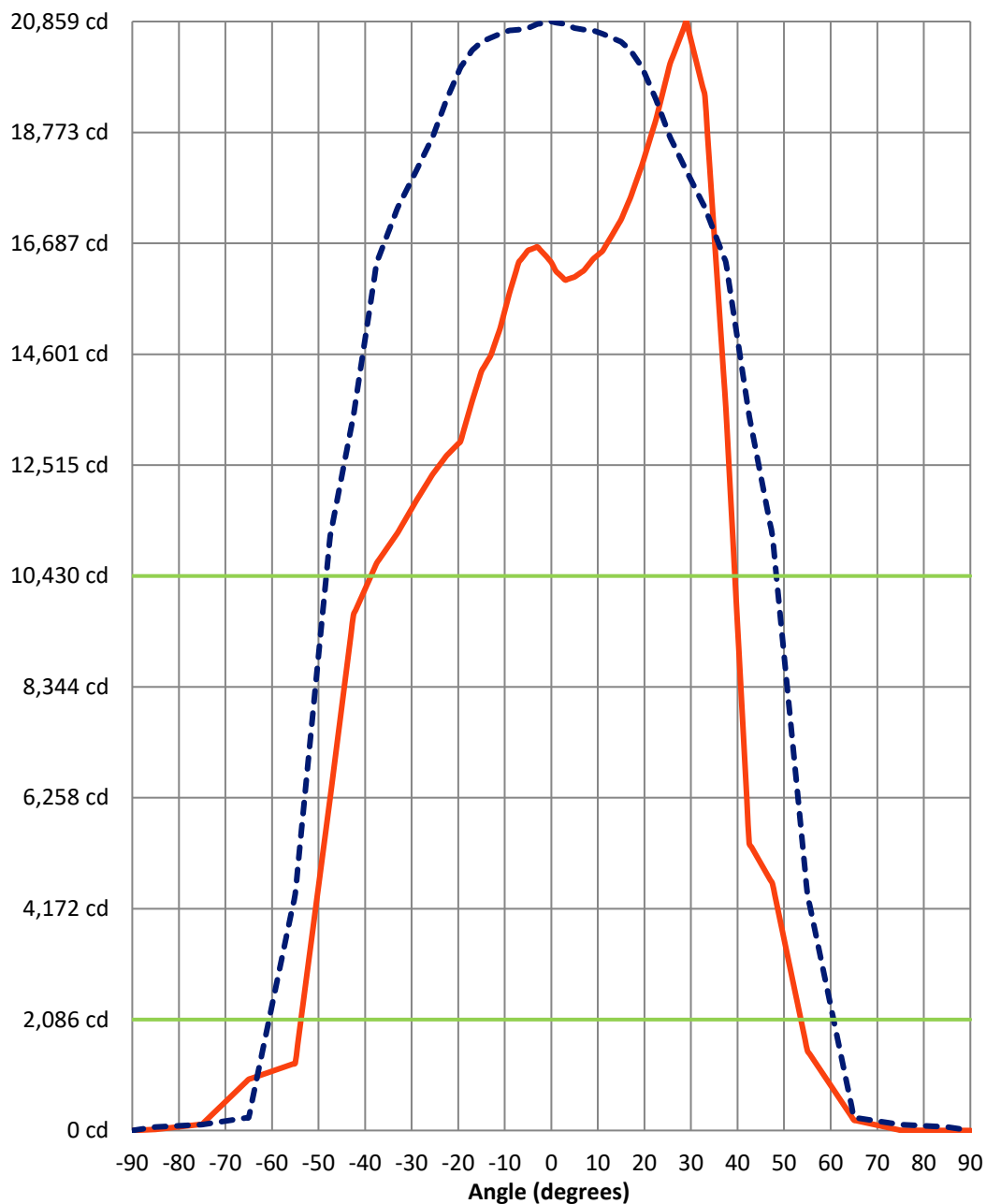
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 26319.5

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 35239.9

Efficiency: 97.2%

Spill:

Lumens: 1013

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	9.6	21.6	27.2	29.6	32.0	34.4	36.0	36.0	35.2	33.6
75°	4.0	5.6	12.8	16.8	19.2	20.8	22.4	21.6	22.4	20.8	20.8
65°	194.4	194.4	193.6	188.0	176.8	164.8	158.4	175.2	219.2	260.8	270.4
55°	1502.6	1484.2	1481.0	1545.0	1545.8	1593.0	1596.2	1609.0	1571.4	1597.8	1549.0
47.5°	4639.9	4643.1	4615.1	4596.7	4571.0	4518.2	4481.4	4455.0	4451.0	4416.6	4273.4
42.5°	5406.4	5414.4	5488.8	5532.8	5657.6	5807.2	5924.8	5784.8	5660.8	5384.8	5471.2
37.5°	13571.5	13583.5	13569.1	13540.3	13233.9	13153.9	13092.3	12910.6	12825.0	12789.8	12641.8
33°	19450.8	19525.2	19482.0	19422.8	19464.4	19421.2	19329.9	19144.3	18810.7	18641.0	18412.2
29°	20859.0	20838.2	20811.0	20735.7	20705.3	20690.1	20627.7	20553.3	20475.7	20317.3	19994.8
25.5°	20066.0	19998.8	20002.0	19930.8	19876.4	19864.4	19804.4	19718.8	19645.2	19494.0	19157.1
22.5°	19020.3	19002.7	18967.5	18904.3	18869.9	18789.1	18720.3	18645.8	18625.8	18571.4	18310.6
19.5°	18164.2	18143.4	18143.4	18110.6	18063.4	17984.2	17884.1	17809.7	17764.9	17744.1	17555.3
17°	17548.1	17528.9	17522.5	17472.1	17430.5	17357.7	17255.2	17158.4	17085.6	17047.2	16910.4
15°	17135.2	17104.0	17099.2	17076.8	17032.8	16957.6	16856.8	16767.2	16704.0	16627.2	16489.5
13°	16833.6	16797.6	16791.2	16756.8	16712.0	16642.4	16560.8	16486.3	16434.3	16354.3	16231.9
11°	16542.3	16567.2	16546.3	16514.3	16463.9	16404.7	16344.7	16297.5	16255.1	16205.5	16119.9
9°	16392.7	16342.3	16345.5	16316.7	16283.1	16240.7	16199.1	16151.9	16147.9	16143.1	16075.9
7°	16175.9	16159.9	16183.9	16167.9	16120.7	16126.3	16091.9	16100.7	16125.5	16151.1	16159.1
5°	16055.1	16045.5	16054.3	16049.5	16032.7	16039.1	16035.1	16082.3	16157.5	16287.9	16403.1
3°	15995.9	16012.7	16010.3	16011.9	16048.7	16063.9	16103.1	16171.1	16264.7	16375.1	16389.5
1°	16162.3	16181.5	16191.1	16226.3	16288.7	16291.9	16291.1	16331.1	16348.7	16608.8	16592.8
0°	16327.1	16337.5	16341.5	16345.5	16369.5	16381.5	16346.3	16335.9	16307.9	16497.5	16403.1
-1°	16434.3	16458.3	16442.3	16467.1	16490.3	16431.9	16383.1	16324.7	16287.1	16385.5	16195.1
-3°	16620.8	16603.2	16563.2	16559.2	16564.0	16471.1	16345.5	16280.7	16169.5	16113.5	16036.7
-5°	16552.7	16546.3	16499.1	16471.9	16417.5	16267.9	16144.7	16041.5	15923.1	15747.8	15633.4
-7°	16327.9	16247.9	16227.1	16183.1	16020.7	15890.3	15743.0	15624.6	15460.6	15360.6	15279.0
-9°	15747.8	15710.2	15719.8	15662.2	15468.6	15359.8	15259.0	15159.8	15060.5	14986.9	14932.5
-11°	15086.1	15018.1	15070.1	15020.5	14924.5	14878.1	14845.3	14790.1	14753.3	14705.3	14644.5
-13°	14578.9	14546.9	14590.1	14566.1	14514.9	14517.3	14508.5	14483.7	14461.3	14401.2	14294.0
-15°	14280.4	14242.0	14258.0	14266.0	14245.2	14238.0	14230.8	14204.4	14166.0	14091.6	13958.8
-17°	13719.5	13657.1	13679.5	13681.1	13677.1	13655.5	13689.1	13672.3	13665.1	13613.9	13492.3
-19.5°	12961.0	12935.4	12933.0	12937.0	12948.2	12952.2	12969.8	12969.0	12961.0	12898.6	12773.8
-22.5°	12692.2	12688.2	12673.8	12684.2	12677.8	12669.8	12665.0	12642.6	12590.6	12533.8	12385.8
-25.5°	12341.0	12333.8	12355.4	12333.8	12300.9	12283.3	12240.1	12193.7	12144.1	12105.7	11952.9
-29°	11845.7	11841.7	11824.1	11809.7	11760.1	11708.1	11637.7	11590.4	11492.0	11429.6	11247.2
-33°	11242.4	11223.2	11195.2	11174.4	11144.8	11096.8	11051.2	10966.4	10871.1	10778.3	10604.7
-37.5°	10672.7	10695.9	10674.3	10669.5	10631.9	10575.9	10509.5	10430.3	10341.5	10242.3	10083.8
-42.5°	9692.6	9695.0	9689.4	9650.2	9576.6	9514.2	9438.9	9393.3	9366.9	9310.1	9159.7
-47.5°	6256.1	6269.7	6271.3	6288.1	6254.5	6228.1	6206.5	6179.3	6169.7	6642.5	6291.3
-55°	1265.8	1271.4	1304.2	1359.4	1390.6	1406.6	1368.2	1334.6	1336.2	1480.2	1677.0
-65°	961.7	956.9	953.7	946.5	940.9	931.3	940.1	950.5	944.1	961.7	982.5
-75°	117.6	118.4	119.2	118.4	108.0	118.4	132.0	127.2	133.6	138.4	137.6
-85°	20.0	19.2	26.4	32.8	36.0	42.4	48.0	52.0	53.6	54.4	54.4
-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°	31.2	29.6	28.0	27.2	28.0	30.4	34.4	40.8	52.0	56.8	60.8
75°	20.0	20.0	21.6	28.0	28.8	32.8	36.8	42.4	52.8	57.6	61.6
65°	215.2	128.8	93.6	79.2	64.0	55.2	55.2	60.0	63.2	61.6	62.4
55°	1445.0	1301.0	1174.6	1085.0	850.5	573.7	390.5	133.6	94.4	66.4	63.2
47.5°	4111.0	3863.7	3642.1	3409.3	3194.9	2297.9	1499.4	284.0	137.6	72.0	64.0
42.5°	5504.0	4756.7	5031.1	4771.9	4414.2	4002.2	3082.0	1026.5	156.8	80.8	64.0
37.5°	12055.3	11580.8	11158.4	10393.5	9447.7	8021.9	6817.8	2016.3	172.0	90.4	64.8
33°	18093.0	17200.8	16448.7	15936.7	14614.9	11580.0	9769.4	3066.8	204.8	100.8	65.6
29°	19388.4	18684.3	18053.0	17356.1	16323.9	13441.9	11177.6	4447.8	244.0	110.4	65.6
25.5°	18603.4	17990.6	17420.9	16920.8	16252.7	14114.8	11741.7	5479.2	283.2	120.8	65.6
22.5°	17762.5	17147.2	16604.8	16235.1	15935.1	14345.2	11580.8	6207.3	322.4	129.6	65.6
19.5°	17082.4	16523.1	16063.9	15785.4	15679.0	14290.0	11200.0	6843.4	366.5	137.6	66.4
17°	16463.9	16021.5	15673.4	15547.0	15471.8	14105.2	10978.4	7354.6	404.1	142.4	66.4
15°	16143.9	15760.6	15509.4	15444.6	15210.2	13890.0	10846.3	7721.9	426.5	147.2	66.4
13°	15931.9	15622.2	15450.2	15277.4	14894.1	13666.7	10781.5	8064.3	442.5	150.4	66.4
11°	15800.6	15560.6	15360.6	15037.3	14544.5	13501.9	10778.3	8352.4	450.5	153.6	67.2
9°	15839.8	15556.6	15230.2	14774.9	14264.4	13367.5	10811.9	8576.4	448.9	156.0	67.2
7°	15897.5	15572.6	15103.7	14529.3	14014.8	13289.1	10859.9	8757.2	440.1	158.4	67.2
5°	15950.3	15582.2	15040.5	14326.0	13807.6	13205.9	10921.6	8905.3	436.1	160.8	67.2
3°	15954.3	15567.8	14955.7	14125.2	13641.1	13146.7	10989.6	9022.9	432.1	162.4	67.2
1°	15894.3	15476.6	14829.3	13944.4	13517.9	13093.1	11060.8	9088.5	429.7	161.6	67.2
0°	15847.8	15385.4	14740.5	13862.8	13436.3	13057.1	11096.8	9105.3	423.3	160.0	67.2
-1°	15758.2	15313.4	14644.5	13813.2	13379.5	13004.2	11120.0	9090.9	420.1	159.2	67.2
-3°	15570.2	15106.1	14493.3	13686.7	13232.3	12892.2	11164.8	9061.3	422.5	157.6	67.2
-5°	15320.6	14896.5	14335.6	13545.1	13063.5	12749.8	11170.4	8982.1	428.1	156.8	67.2
-7°	15050.1	14655.7	14087.6	13333.1	12843.4	12541.8	11134.4	8860.5	420.1	156.8	67.2
-9°	14715.7	14307.6	13741.2	13060.3	12605.8	12306.5	11056.0	8695.6	416.9	157.6	67.2
-11°	14364.4	13933.2	13396.3	12789.0	12349.0	12062.5	10948.8	8504.4	416.9	156.8	68.0
-13°	14004.4	13557.1	13062.7	12521.8	12124.1	11780.1	10802.3	8272.4	413.7	158.4	67.2
-15°	13641.1	13188.3	12765.0	12273.7	11916.1	11533.6	10627.1	7985.9	412.1	160.8	67.2
-17°	13167.5	12777.0	12422.6	12015.3	11673.7	11308.8	10434.3	7665.1	408.1	162.4	67.2
-19.5°	12465.8	12132.1	11870.5	11609.6	11352.0	11012.8	10196.6	7206.6	397.7	163.2	67.2
-22.5°	12057.7	11716.1	11452.0	11220.8	11018.4	10746.3	9930.2	6599.3	380.1	163.2	67.2
-25.5°	11645.7	11336.0	11057.6	10819.1	10679.1	10503.9	9711.0	5924.8	366.5	160.8	67.2
-29°	11006.4	10774.3	10515.9	10274.3	10163.8	10062.2	9389.3	5046.3	358.5	156.0	67.2
-33°	10364.7	10127.8	9855.0	9571.8	9457.3	9406.1	8610.0	3901.4	357.7	147.2	67.2
-37.5°	9855.0	9604.6	9286.1	8942.9	8658.0	8438.8	7374.6	2901.2	351.2	133.6	67.2
-42.5°	8934.1	8774.8	8375.6	8102.8	7552.3	6700.2	5217.5	1881.9	322.4	112.0	66.4
-47.5°	5972.0	5783.2	5645.6	5469.6	4976.7	3870.9	2657.2	696.9	292.0	88.0	66.4
-55°	1643.4	1537.0	1621.0	1411.4	1123.4	825.7	693.7	257.6	228.0	76.0	65.6
-65°	1065.0	1099.4	807.3	502.5	313.6	236.8	339.2	152.8	116.8	69.6	64.8
-75°	129.6	114.4	91.2	100.8	107.2	97.6	90.4	65.6	64.8	64.8	64.0
-85°	52.8	51.2	49.6	48.8	47.2	46.4	47.2	49.6	56.0	61.6	62.4
-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)