

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: P571700

Luminaire Tested: **UFLD-L-CA4-390-750-U-66-TS2HW_NFFLD**

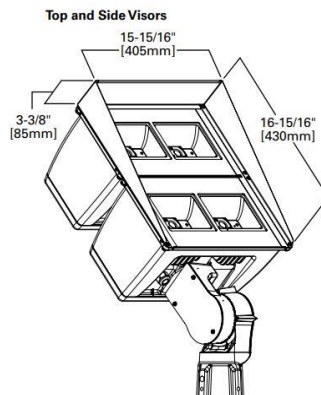
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571700
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-CA4-390-750-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

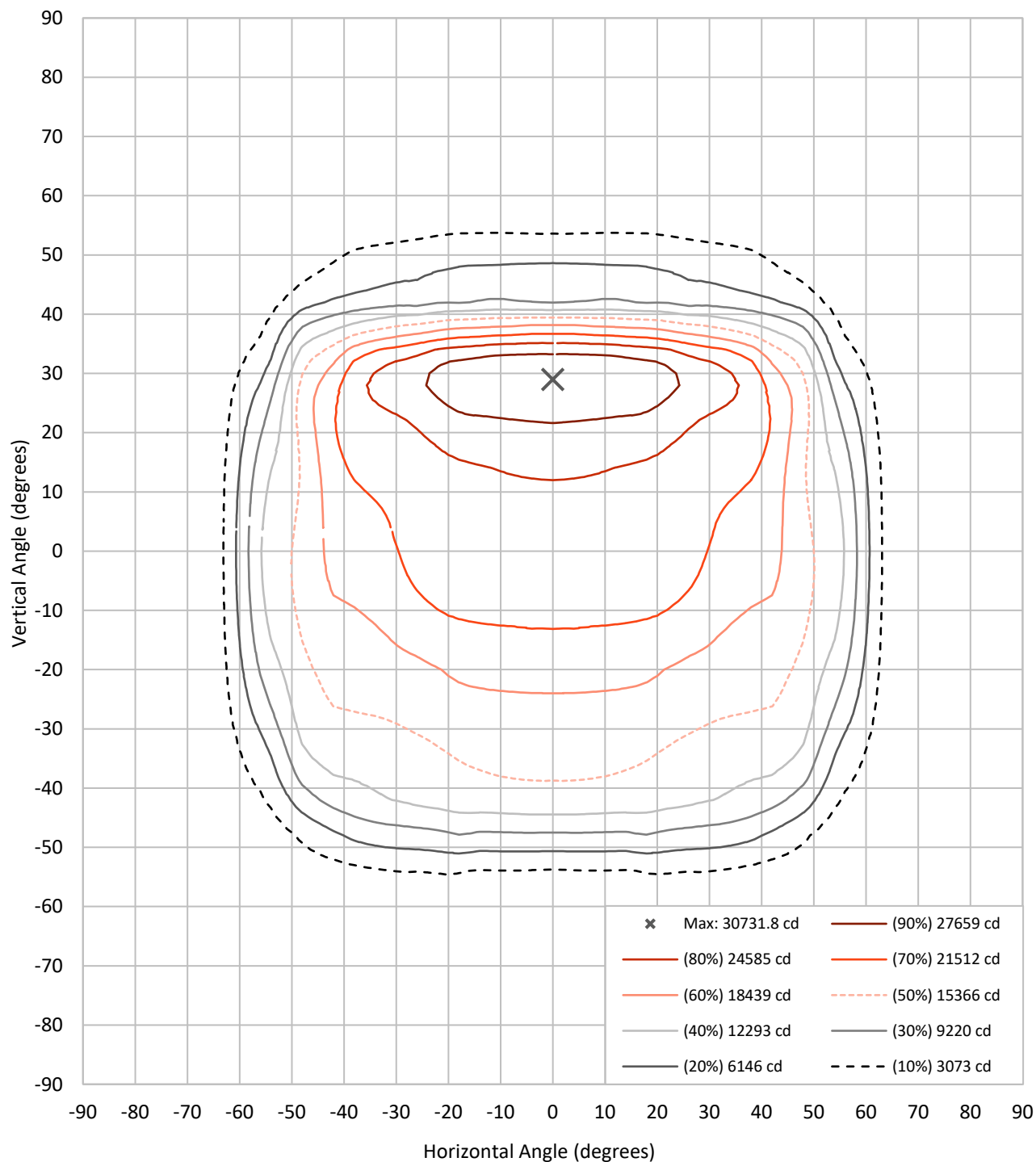
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	53412 lumens	Max Intensity:	30731.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	137.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	38776.8 lumens	Field Lumens:	51919.4 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	387.6		
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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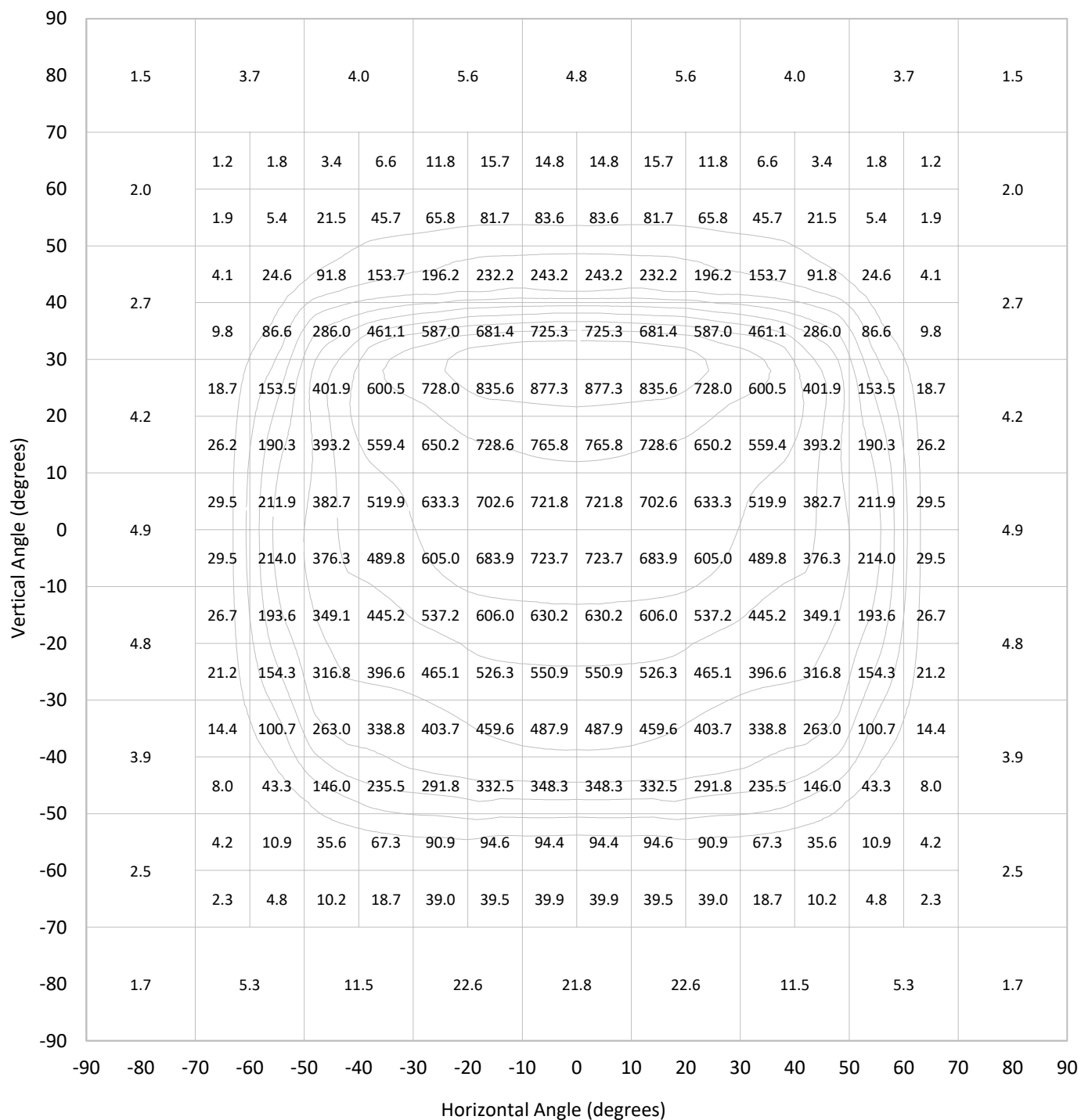
Iso-Candela Plot



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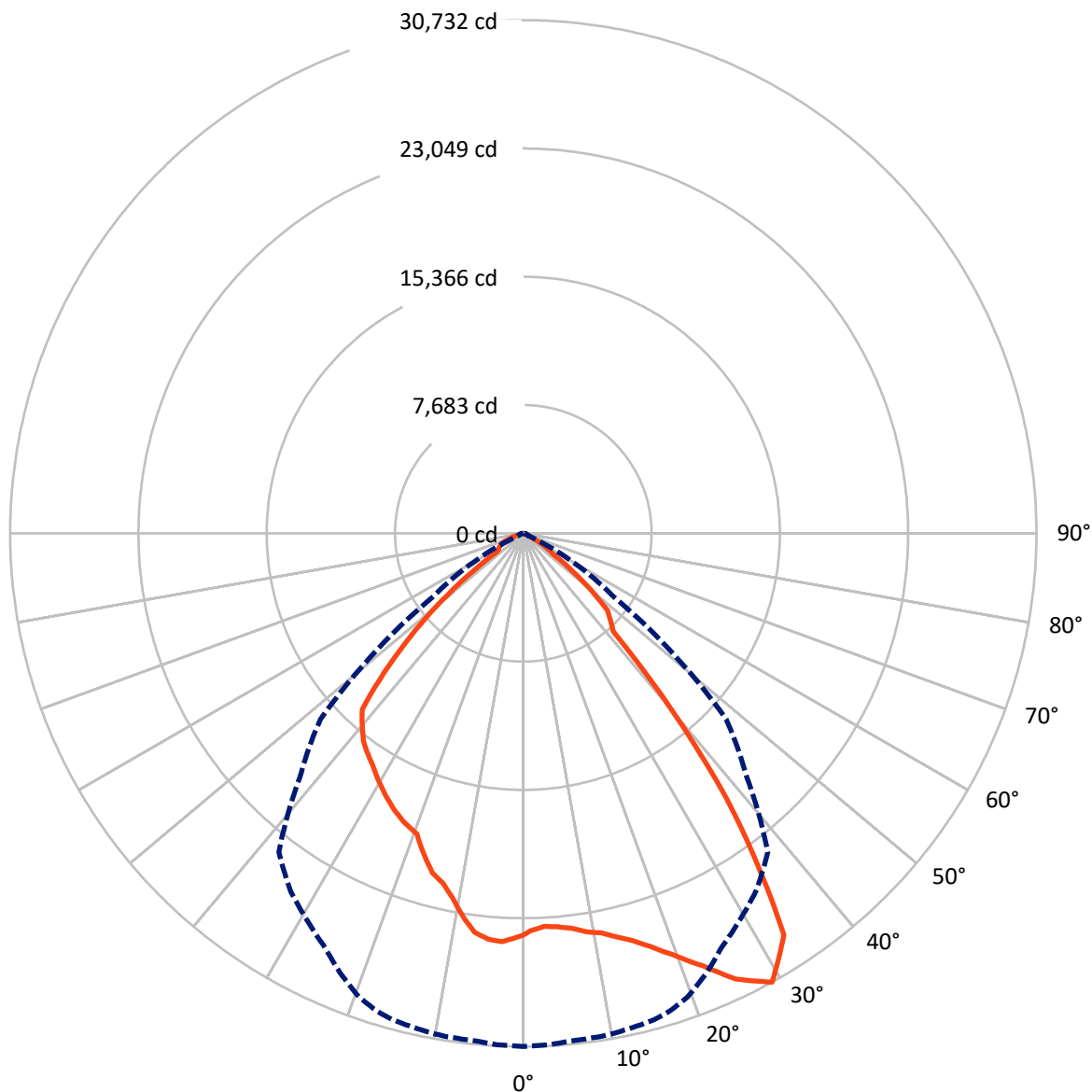
Lumen Table



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Luminous Intensity Polar Plot



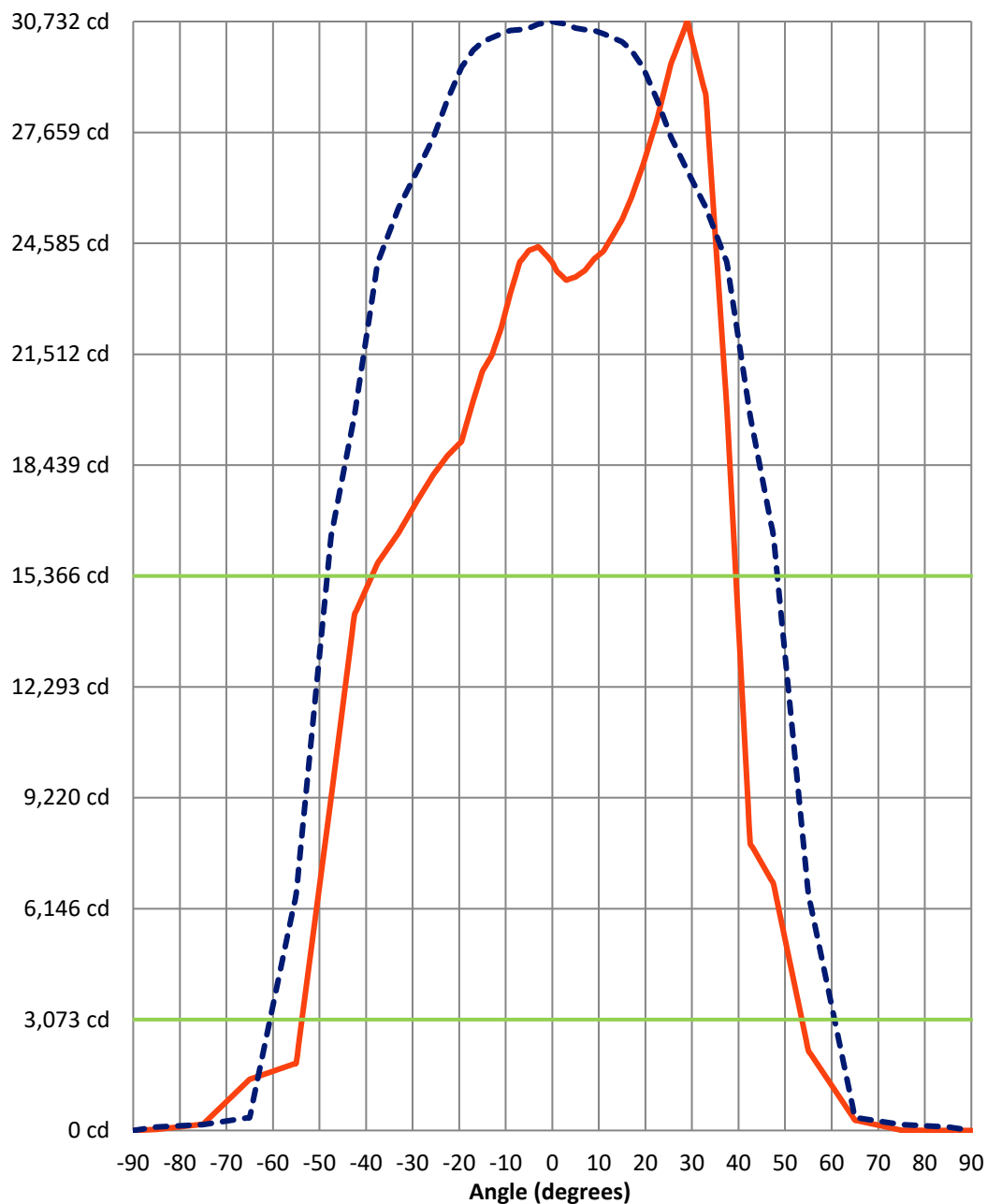
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



— 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	14.1	31.8	40.1	43.6	47.2	50.7	53.0	53.0	51.9	49.5
75°	5.9	8.3	18.9	24.8	28.3	30.6	33.0	31.8	33.0	30.6	30.6
65°	286.5	286.5	285.3	277.0	260.5	242.8	233.4	258.2	323.0	384.3	398.4
55°	2213.8	2186.7	2182.0	2276.3	2277.5	2347.0	2351.7	2370.6	2315.2	2354.1	2282.2
47.5°	6836.0	6840.7	6799.4	6772.3	6734.6	6656.8	6602.6	6563.7	6557.8	6507.1	6296.1
42.5°	7965.3	7977.1	8086.7	8151.5	8335.4	8555.9	8729.1	8522.8	8340.1	7933.4	8060.8
37.5°	19995.1	20012.8	19991.6	19949.1	19497.6	19379.8	19289.0	19021.4	18895.3	18843.4	18625.3
33°	28657.1	28766.7	28703.0	28615.8	28677.1	28613.4	28479.0	28205.6	27714.0	27464.1	27126.9
29°	30731.8	30701.1	30661.0	30550.2	30505.4	30483.0	30391.1	30281.5	30167.1	29933.7	29458.6
25.5°	29563.6	29464.5	29469.3	29364.3	29284.2	29266.5	29178.1	29052.0	28943.5	28720.7	28224.4
22.5°	28022.8	27996.9	27945.0	27851.9	27801.2	27682.2	27580.8	27471.2	27441.7	27361.5	26977.2
19.5°	26761.5	26730.9	26730.9	26682.5	26613.0	26496.3	26348.9	26239.3	26173.3	26142.6	25864.4
17°	25853.8	25825.5	25816.1	25741.8	25680.5	25573.3	25422.4	25279.7	25172.5	25115.9	24914.3
15°	25245.6	25199.6	25192.5	25159.5	25094.7	24983.9	24835.3	24703.3	24610.2	24497.0	24294.2
13°	24801.1	24748.1	24738.7	24688.0	24622.0	24519.4	24399.2	24289.5	24212.9	24095.0	23914.7
11°	24372.0	24408.6	24377.9	24330.8	24256.5	24169.3	24080.9	24011.3	23948.9	23875.8	23749.6
9°	24151.6	24077.3	24082.1	24039.6	23990.1	23927.6	23866.3	23796.8	23790.9	23783.8	23684.8
7°	23832.2	23808.6	23843.9	23820.4	23750.8	23759.1	23708.4	23721.3	23757.9	23795.6	23807.4
5°	23654.1	23640.0	23653.0	23645.9	23621.1	23630.6	23624.7	23694.2	23805.0	23997.2	24166.9
3°	23566.9	23591.7	23588.1	23590.5	23644.7	23667.1	23724.9	23825.1	23963.0	24125.7	24146.9
1°	23812.1	23840.4	23854.5	23906.4	23998.4	24003.1	24001.9	24060.8	24086.8	24469.9	24446.3
0°	24054.9	24070.3	24076.2	24082.1	24117.4	24135.1	24083.2	24067.9	24026.7	24306.0	24166.9
-1°	24212.9	24248.3	24224.7	24261.2	24295.4	24209.4	24137.5	24051.4	23996.0	24141.0	23860.4
-3°	24487.6	24461.6	24402.7	24396.8	24403.9	24267.1	24082.1	23986.6	23822.7	23740.2	23627.0
-5°	24387.4	24377.9	24308.4	24268.3	24188.2	23967.7	23786.2	23634.1	23459.6	23201.5	23032.9
-7°	24056.1	23938.2	23907.6	23842.8	23603.5	23411.3	23194.4	23019.9	22778.3	22630.9	22510.7
-9°	23201.5	23146.1	23160.2	23075.4	22790.1	22629.8	22481.2	22335.1	22188.9	22080.4	22000.3
-11°	22226.6	22126.4	22203.0	22129.9	21988.5	21920.1	21871.8	21790.4	21736.2	21665.5	21575.9
-13°	21479.2	21432.1	21495.7	21460.4	21384.9	21388.5	21375.5	21339.0	21305.9	21217.5	21059.6
-15°	21039.5	20982.9	21006.5	21018.3	20987.7	20977.1	20966.4	20927.5	20871.0	20761.3	20565.6
-17°	20213.2	20121.2	20154.2	20156.6	20150.7	20118.9	20168.4	20143.6	20133.0	20057.6	19878.4
-19.5°	19095.7	19057.9	19054.4	19060.3	19076.8	19082.7	19108.6	19107.5	19095.7	19003.7	18819.8
-22.5°	18699.6	18693.7	18672.5	18687.8	18678.4	18666.6	18659.5	18626.5	18549.9	18466.2	18248.1
-25.5°	18182.1	18171.5	18203.3	18171.5	18123.1	18097.2	18033.5	17965.2	17892.1	17835.5	17610.4
-29°	17452.4	17446.5	17420.6	17399.3	17326.3	17249.6	17145.9	17076.3	16931.4	16839.4	16570.6
-33°	16563.6	16535.3	16494.0	16463.4	16419.7	16349.0	16281.8	16156.9	16016.6	15879.8	15624.0
-37.5°	15724.2	15758.4	15726.6	15719.5	15664.1	15581.6	15483.8	15367.1	15236.2	15090.0	14856.6
-42.5°	14280.2	14283.7	14275.5	14217.7	14109.3	14017.3	13906.5	13839.3	13800.4	13716.7	13495.1
-47.5°	9217.2	9237.2	9239.6	9264.3	9214.8	9175.9	9144.1	9104.0	9089.9	9786.5	9269.0
-55°	1864.9	1873.1	1921.5	2002.8	2048.8	2072.4	2015.8	1966.3	1968.6	2180.8	2470.8
-65°	1416.9	1409.9	1405.2	1394.5	1386.3	1372.1	1385.1	1400.4	1391.0	1416.9	1447.6
-75°	173.3	174.5	175.6	174.5	159.1	174.5	194.5	187.4	196.9	203.9	202.8
-85°	29.5	28.3	38.9	48.3	53.0	62.5	70.7	76.6	79.0	80.2	80.2
-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°	46.0	43.6	41.3	40.1	41.3	44.8	50.7	60.1	76.6	83.7	89.6
75°	29.5	29.5	31.8	41.3	42.4	48.3	54.2	62.5	77.8	84.9	90.8
65°	317.1	189.8	137.9	116.7	94.3	81.3	81.3	88.4	93.1	90.8	91.9
55°	2128.9	1916.8	1730.5	1598.5	1253.1	845.2	575.3	196.9	139.1	97.8	93.1
47.5°	6056.8	5692.5	5366.0	5022.9	4707.0	3385.6	2209.1	418.5	202.8	106.1	94.3
42.5°	8109.1	7008.1	7412.4	7030.5	6503.5	5896.4	4540.8	1512.4	231.0	119.1	94.3
37.5°	17761.2	17062.2	16439.8	15312.8	13919.5	11818.8	10044.7	2970.6	253.4	133.2	95.5
33°	26656.6	25342.2	24234.1	23479.7	21532.3	17061.0	14393.4	4518.4	301.8	148.5	96.7
29°	28565.1	27527.7	26597.7	25570.9	24050.2	19804.1	16468.1	6553.0	359.5	162.7	96.7
25.5°	27408.7	26505.7	25666.4	24929.6	23945.3	20795.5	17299.1	8072.5	417.3	178.0	96.7
22.5°	26169.7	25263.2	24464.0	23919.4	23477.3	21135.0	17062.2	9145.3	475.1	191.0	96.7
19.5°	25167.8	24343.8	23667.1	23256.9	23100.1	21053.7	16501.1	10082.4	539.9	202.8	97.8
17°	24256.5	23604.6	23091.9	22905.6	22794.8	20781.4	16174.6	10835.7	595.3	209.8	97.8
15°	23785.0	23220.3	22850.2	22754.7	22409.3	20464.3	15980.0	11376.8	628.3	216.9	97.8
13°	23472.6	23016.4	22763.0	22508.3	21943.7	20135.4	15884.6	11881.3	651.9	221.6	97.8
11°	23279.3	22925.6	22630.9	22154.7	21428.5	19892.5	15879.8	12305.7	663.7	226.3	99.0
9°	23337.0	22919.7	22438.8	21768.0	21016.0	19694.5	15929.4	12635.7	661.3	229.9	99.0
7°	23421.9	22943.3	22252.5	21406.1	20648.2	19579.0	16000.1	12902.2	648.3	233.4	99.0
5°	23499.7	22957.5	22159.4	21106.7	20342.9	19456.4	16090.9	13120.2	642.5	236.9	99.0
3°	23505.6	22936.2	22034.5	20810.8	20097.7	19369.1	16191.1	13293.5	636.6	239.3	99.0
1°	23417.2	22801.9	21848.2	20544.4	19916.1	19290.2	16296.0	13390.2	633.0	238.1	99.0
0°	23348.8	22667.5	21717.4	20424.2	19795.9	19237.1	16349.0	13414.9	623.6	235.8	99.0
-1°	23216.8	22561.4	21575.9	20351.1	19712.2	19159.3	16383.2	13393.7	618.9	234.6	99.0
-3°	22939.8	22256.1	21353.1	20164.9	19495.3	18994.3	16449.2	13350.1	622.4	232.2	99.0
-5°	22572.0	21947.2	21120.9	19956.2	19246.6	18784.5	16457.5	13233.4	630.7	231.0	99.0
-7°	22173.6	21592.4	20755.4	19643.8	18922.4	18478.0	16404.4	13054.2	618.9	231.0	99.0
-9°	21680.8	21079.6	20245.0	19241.8	18572.3	18131.4	16288.9	12811.4	614.2	232.2	99.0
-11°	21163.3	20527.9	19736.9	18842.2	18193.9	17771.9	16130.9	12529.6	614.2	231.0	100.2
-13°	20632.8	19973.9	19245.4	18448.5	17862.6	17355.7	15915.2	12187.8	609.4	233.4	99.0
-15°	20097.7	19430.4	18806.9	18083.1	17556.1	16992.7	15657.1	11765.8	607.1	236.9	99.0
-17°	19399.8	18824.5	18302.3	17702.3	17198.9	16661.4	15373.0	11293.1	601.2	239.3	99.0
-19.5°	18366.0	17874.4	17488.9	17104.6	16725.1	16225.2	15022.8	10617.6	585.9	240.5	99.0
-22.5°	17764.8	17261.4	16872.4	16531.7	16233.5	15832.7	14630.3	9722.9	559.9	240.5	99.0
-25.5°	17157.7	16701.5	16291.3	15940.0	15733.7	15475.5	14307.3	8729.1	539.9	236.9	99.0
-29°	16215.8	15874.0	15493.2	15137.2	14974.5	14824.8	13833.4	7434.8	528.1	229.9	99.0
-33°	15270.4	14921.5	14519.5	14102.2	13933.6	13858.2	12685.3	5747.9	526.9	216.9	99.0
-37.5°	14519.5	14150.5	13681.4	13175.6	12756.0	12433.0	10865.2	4274.4	517.5	196.9	99.0
-42.5°	13162.7	12928.1	12339.9	11937.9	11126.9	9871.4	7687.1	2772.6	475.1	165.0	97.8
-47.5°	8798.7	8520.5	8317.7	8058.4	7332.2	5703.1	3914.9	1026.7	430.3	129.7	97.8
-55°	2421.3	2264.5	2388.3	2079.4	1655.1	1216.5	1022.0	379.6	336.0	112.0	96.7
-65°	1569.0	1619.7	1189.4	740.3	462.1	348.9	499.8	225.2	172.1	102.6	95.5
-75°	191.0	168.6	134.4	148.5	158.0	143.8	133.2	96.7	95.5	95.5	94.3
-85°	77.8	75.4	73.1	71.9	69.6	68.4	69.6	73.1	82.5	90.8	91.9
-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):

	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)