

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: P571683

Luminaire Tested: **UFLD-L-CA4-270-760-U-66-TS2HW_NFFLD**

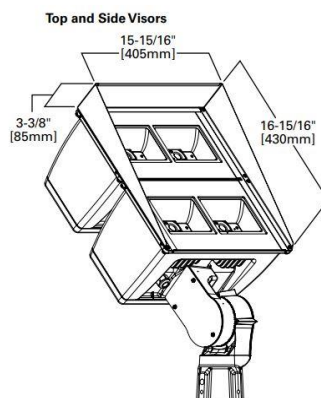
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571683
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-CA4-270-760-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

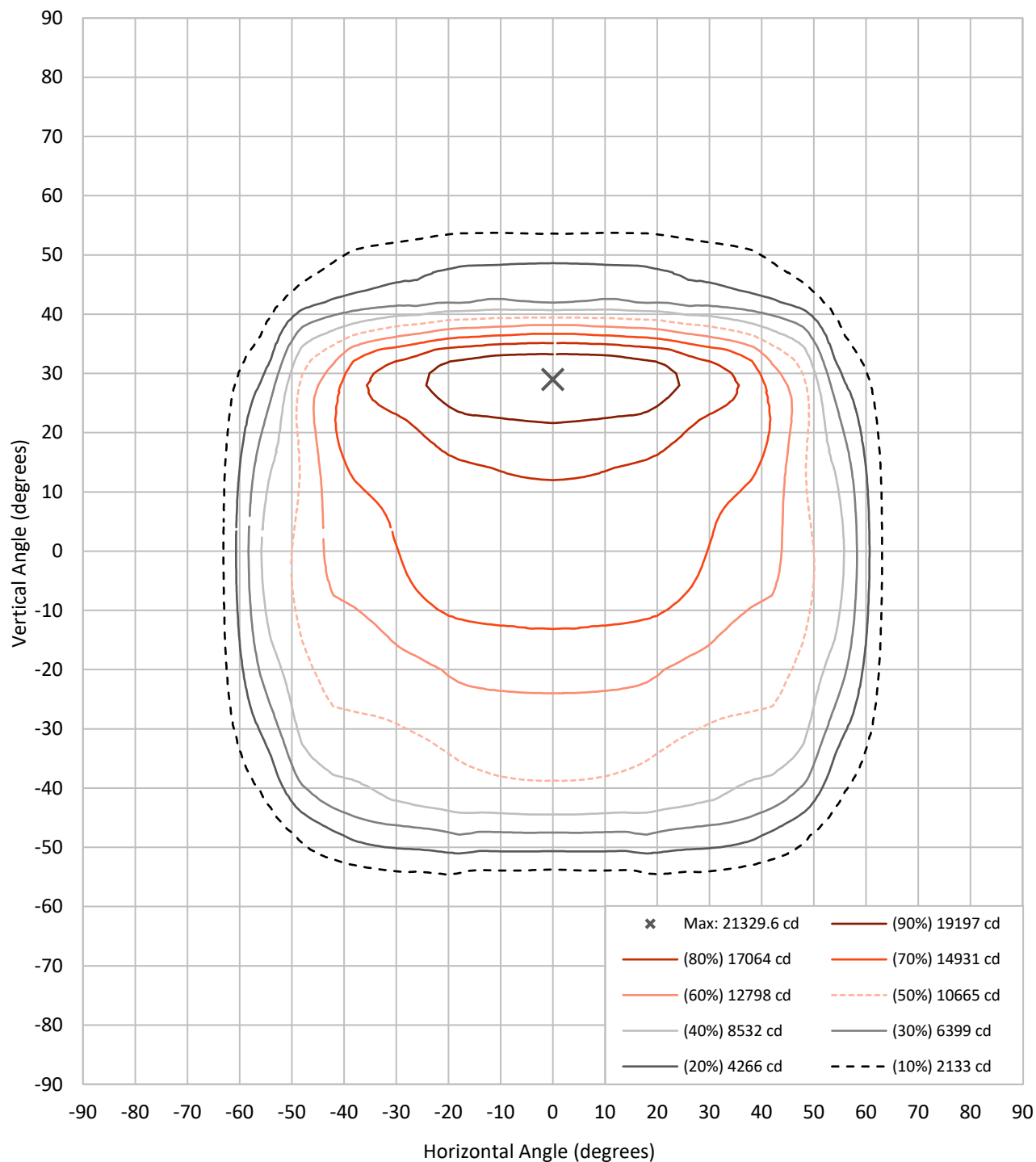
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37071 lumens	Max Intensity:	21329.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	139.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	26913.4 lumens	Field Lumens:	36035.1 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	265.4		
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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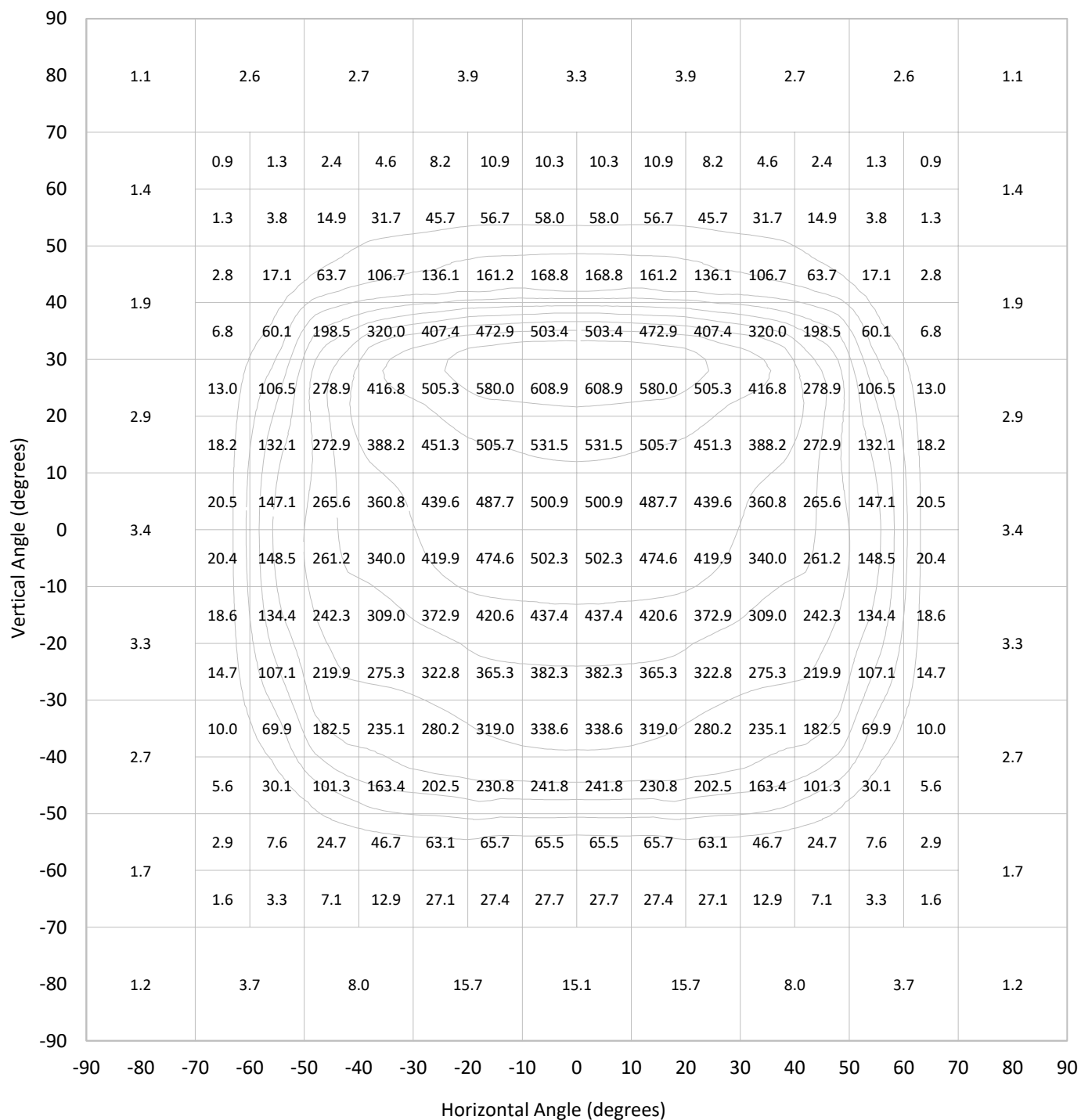
Iso-Candela Plot



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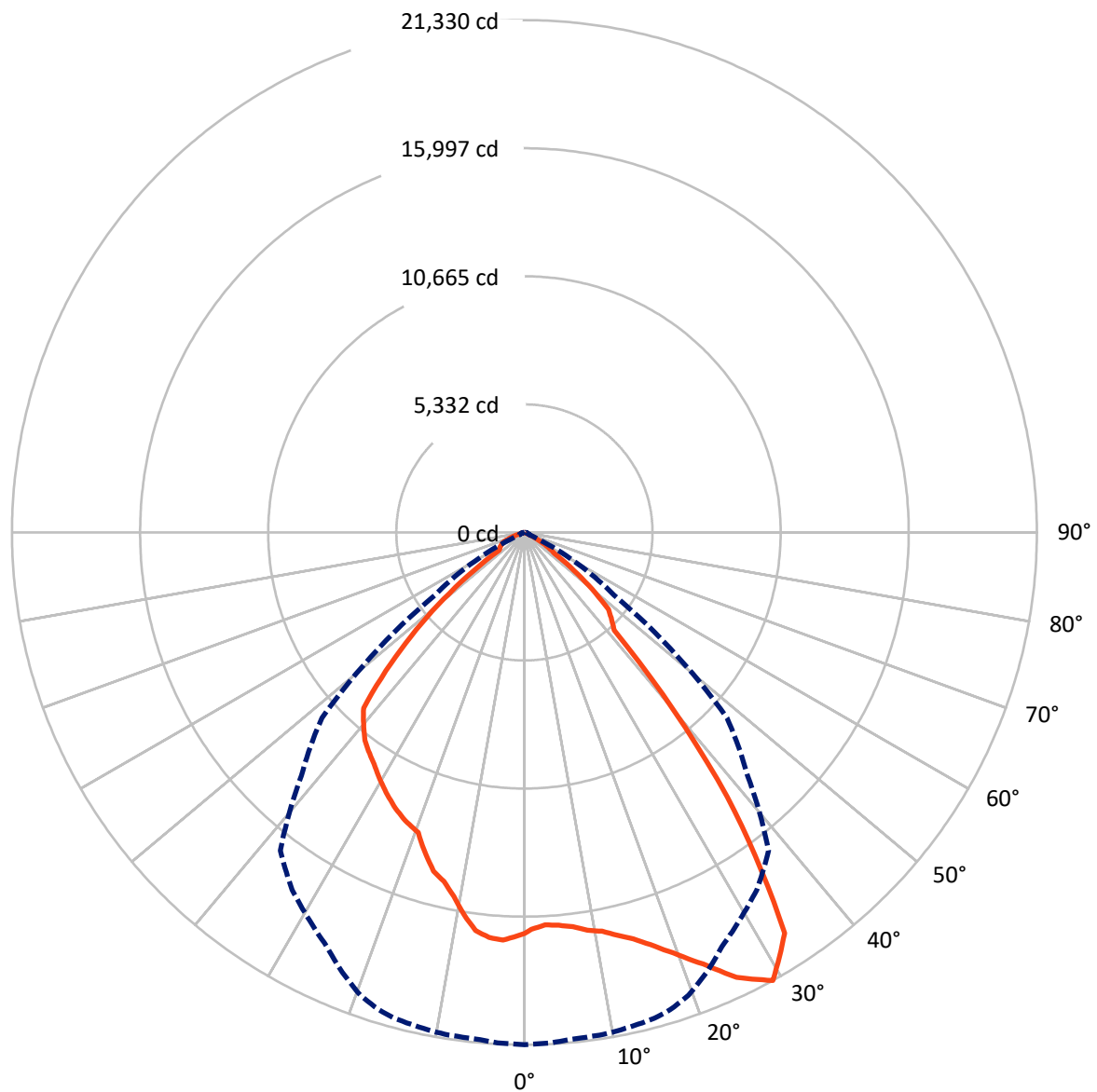
Lumen Table



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Luminous Intensity Polar Plot



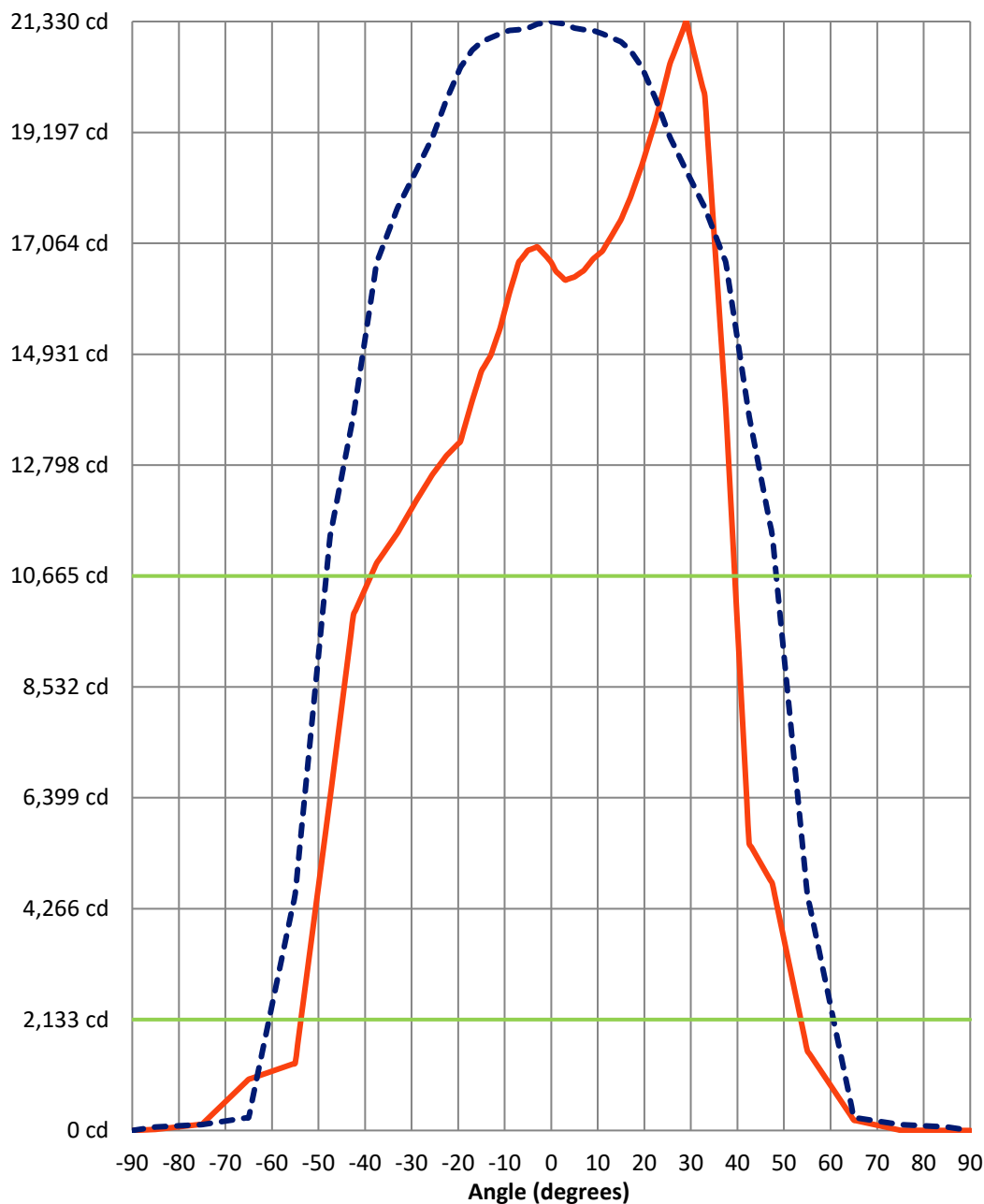
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 26913.4

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 36035.1

Efficiency: 97.2%

Spill:

Lumens: 1035.9

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	9.8	22.1	27.8	30.3	32.7	35.2	36.8	36.8	36.0	34.4
75°	4.1	5.7	13.1	17.2	19.6	21.3	22.9	22.1	22.9	21.3	21.3
65°	198.8	198.8	198.0	192.3	180.8	168.5	162.0	179.2	224.2	266.7	276.5
55°	1536.5	1517.7	1514.4	1579.9	1580.7	1629.0	1632.2	1645.3	1606.9	1633.9	1584.0
47.5°	4744.6	4747.8	4719.2	4700.4	4674.2	4620.2	4582.6	4555.6	4551.5	4516.3	4369.8
42.5°	5528.4	5536.5	5612.6	5657.6	5785.3	5938.3	6058.5	5915.3	5788.5	5506.3	5594.6
37.5°	13877.7	13890.0	13875.3	13845.8	13532.5	13450.7	13387.7	13201.9	13114.4	13078.4	12927.0
33°	19889.6	19965.7	19921.5	19861.0	19903.6	19859.4	19766.1	19576.3	19235.1	19061.7	18827.7
29°	21329.6	21308.3	21280.5	21203.6	21172.5	21157.0	21093.2	21017.1	20937.7	20775.7	20446.0
25.5°	20518.8	20450.1	20453.4	20380.5	20324.9	20312.6	20251.3	20163.7	20088.5	19933.8	19589.4
22.5°	19449.5	19431.5	19395.5	19330.8	19295.7	19213.0	19142.7	19066.6	19046.1	18990.5	18723.8
19.5°	18574.0	18552.8	18552.8	18519.2	18470.9	18389.9	18287.7	18211.6	18165.8	18144.5	17951.4
17°	17944.0	17924.4	17917.9	17866.3	17823.8	17749.3	17644.6	17545.6	17471.1	17431.9	17292.0
15°	17521.9	17490.0	17485.0	17462.1	17417.1	17340.2	17237.1	17145.5	17080.9	17002.3	16861.6
13°	17213.4	17176.6	17170.1	17134.9	17089.1	17017.9	16934.4	16858.3	16805.2	16723.3	16598.2
11°	16915.6	16941.0	16919.7	16887.0	16835.4	16774.9	16713.5	16665.2	16621.9	16571.2	16483.6
9°	16762.6	16711.1	16714.3	16684.9	16650.5	16607.2	16564.6	16516.3	16512.2	16507.3	16438.6
7°	16540.9	16524.5	16549.1	16532.7	16484.4	16490.2	16455.0	16464.0	16489.3	16515.5	16523.7
5°	16417.3	16407.5	16416.5	16411.6	16394.4	16401.0	16396.9	16445.2	16522.1	16655.4	16773.2
3°	16356.8	16374.0	16371.5	16373.2	16410.8	16426.3	16466.4	16536.0	16631.7	16744.6	16759.3
1°	16527.0	16546.6	16556.4	16592.4	16656.2	16659.5	16658.7	16699.6	16717.6	16983.5	16967.1
0°	16695.5	16706.2	16710.2	16714.3	16738.9	16751.2	16715.2	16704.5	16675.9	16869.8	16773.2
-1°	16805.2	16829.7	16813.3	16838.7	16862.4	16802.7	16752.8	16693.1	16654.6	16755.2	16560.5
-3°	16995.8	16977.8	16936.9	16932.8	16937.7	16842.8	16714.3	16648.1	16534.3	16477.1	16398.5
-5°	16926.2	16919.7	16871.4	16843.6	16788.0	16635.0	16509.0	16403.4	16282.3	16103.2	15986.2
-7°	16696.3	16614.5	16593.2	16548.2	16382.2	16248.8	16098.3	15977.2	15809.4	15707.2	15623.7
-9°	16103.2	16064.7	16074.5	16015.6	15817.6	15706.4	15603.3	15501.8	15400.4	15325.1	15269.5
-11°	15426.5	15357.0	15410.2	15359.5	15261.3	15213.8	15180.3	15123.8	15086.2	15037.1	14974.9
-13°	14907.8	14875.1	14919.3	14894.7	14842.4	14844.8	14835.8	14810.5	14787.6	14726.2	14616.6
-15°	14602.6	14563.4	14579.7	14587.9	14566.6	14559.3	14551.9	14524.9	14485.6	14409.6	14273.7
-17°	14029.1	13965.3	13988.2	13989.8	13985.7	13963.7	13998.0	13980.8	13973.5	13921.1	13796.8
-19.5°	13253.5	13227.3	13224.9	13228.9	13240.4	13244.5	13262.5	13261.7	13253.5	13189.7	13062.0
-22.5°	12978.6	12974.5	12959.8	12970.4	12963.9	12955.7	12950.8	12927.9	12874.7	12816.6	12665.2
-25.5°	12619.4	12612.0	12634.1	12612.0	12578.5	12560.5	12516.3	12468.9	12418.1	12378.9	12222.6
-29°	12113.0	12108.9	12090.9	12076.1	12025.4	11972.2	11900.2	11852.0	11751.3	11687.5	11501.0
-33°	11496.1	11476.4	11447.8	11426.5	11396.2	11347.2	11300.5	11213.8	11116.4	11021.5	10844.0
-37.5°	10913.5	10937.3	10915.2	10910.3	10871.8	10814.5	10746.6	10665.6	10574.8	10473.4	10311.4
-42.5°	9911.3	9913.7	9908.0	9867.9	9792.6	9728.8	9651.9	9605.3	9578.3	9520.2	9366.4
-47.5°	6397.2	6411.2	6412.8	6430.0	6395.6	6368.6	6346.5	6318.7	6308.9	6792.4	6433.2
-55°	1294.3	1300.1	1333.6	1390.1	1422.0	1438.3	1399.1	1364.7	1366.3	1513.6	1714.9
-65°	983.4	978.5	975.3	967.9	962.2	952.3	961.3	972.0	965.4	983.4	1004.7
-75°	120.3	121.1	121.9	121.1	110.5	121.1	135.0	130.1	136.6	141.5	140.7
-85°	20.5	19.6	27.0	33.5	36.8	43.4	49.1	53.2	54.8	55.6	55.6
-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°	31.9	30.3	28.6	27.8	28.6	31.1	35.2	41.7	53.2	58.1	62.2
75°	20.5	20.5	22.1	28.6	29.5	33.5	37.6	43.4	54.0	58.9	63.0
65°	220.1	131.7	95.7	81.0	65.5	56.5	56.5	61.4	64.6	63.0	63.8
55°	1477.6	1330.3	1201.1	1109.4	869.7	586.6	399.3	136.6	96.5	67.9	64.6
47.5°	4203.7	3950.9	3724.3	3486.2	3266.9	2349.8	1533.2	290.4	140.7	73.6	65.5
42.5°	5628.2	4864.0	5144.6	4879.5	4513.8	4092.5	3151.6	1049.7	160.4	82.6	65.5
37.5°	12327.3	11842.2	11410.2	10628.0	9660.9	8202.9	6971.6	2061.8	175.9	92.5	66.3
33°	18501.2	17589.0	16819.9	16296.3	14944.6	11841.3	9989.8	3136.0	209.5	103.1	67.1
29°	19825.8	19105.8	18460.3	17747.7	16692.2	13745.2	11429.8	4548.2	249.5	112.9	67.1
25.5°	19023.2	18396.5	17814.0	17302.6	16619.4	14433.3	12006.6	5602.8	289.6	123.5	67.1
22.5°	18163.3	17534.1	16979.4	16601.4	16294.6	14668.9	11842.2	6347.3	329.7	132.5	67.1
19.5°	17467.9	16896.0	16426.3	16141.6	16032.8	14612.5	11452.7	6997.8	374.7	140.7	67.9
17°	16835.4	16383.0	16027.1	15897.8	15820.9	14423.5	11226.1	7520.6	413.2	145.6	67.9
15°	16508.2	16116.3	15859.4	15793.1	15553.4	14203.4	11091.1	7896.1	436.1	150.5	67.9
13°	16291.3	15974.7	15798.8	15622.1	15230.2	13975.1	11024.8	8246.3	452.4	153.8	67.9
11°	16157.2	15911.7	15707.2	15376.6	14872.6	13806.6	11021.5	8540.8	460.6	157.1	68.7
9°	16197.3	15907.6	15573.8	15108.3	14586.3	13669.1	11055.9	8769.9	459.0	159.5	68.7
7°	16256.2	15924.0	15444.5	14857.1	14331.0	13588.9	11105.0	8954.8	450.0	162.0	68.7
5°	16310.2	15933.8	15379.9	14649.3	14119.1	13503.8	11168.0	9106.2	445.9	164.5	68.7
3°	16314.3	15919.1	15293.2	14443.9	13948.9	13443.3	11237.5	9226.5	441.8	166.1	68.7
1°	16252.9	15825.8	15163.9	14259.0	13822.9	13388.5	11310.3	9293.6	439.4	165.3	68.7
0°	16205.4	15732.5	15073.1	14175.6	13739.5	13351.7	11347.2	9310.7	432.8	163.6	68.7
-1°	16113.8	15658.9	14974.9	14124.8	13681.4	13297.7	11370.9	9296.0	429.5	162.8	68.7
-3°	15921.5	15447.0	14820.3	13995.6	13530.8	13183.1	11416.7	9265.7	432.0	161.2	68.7
-5°	15666.3	15232.6	14659.1	13850.8	13358.2	13037.5	11422.4	9184.7	437.7	160.4	68.7
-7°	15389.7	14986.4	14405.5	13633.9	13133.2	12824.8	11385.6	9060.4	429.5	160.4	68.7
-9°	15047.7	14630.5	14051.2	13354.9	12890.2	12584.2	11305.4	8891.8	426.3	161.2	68.7
-11°	14688.6	14247.6	13698.6	13077.6	12627.6	12334.7	11195.8	8696.3	426.3	160.4	69.5
-13°	14320.4	13863.0	13357.4	12804.3	12397.7	12045.9	11046.1	8459.0	423.0	162.0	68.7
-15°	13948.9	13485.8	13053.0	12550.7	12185.0	11793.9	10866.9	8166.1	421.4	164.5	68.7
-17°	13464.6	13065.3	12702.9	12286.4	11937.1	11564.0	10669.7	7838.0	417.3	166.1	68.7
-19.5°	12747.0	12405.9	12138.3	11871.6	11608.2	11261.3	10426.7	7369.2	406.6	166.9	68.7
-22.5°	12329.8	11980.4	11710.4	11474.0	11267.0	10988.8	10154.3	6748.2	388.6	166.9	68.7
-25.5°	11908.4	11591.8	11307.1	11063.3	10920.1	10740.9	9930.1	6058.5	374.7	164.5	68.7
-29°	11254.7	11017.4	10753.2	10506.1	10393.2	10289.3	9601.2	5160.2	366.5	159.5	68.7
-33°	10598.5	10356.4	10077.4	9787.7	9670.7	9618.4	8804.3	3989.4	365.7	150.5	68.7
-37.5°	10077.4	9821.3	9495.6	9144.7	8853.4	8629.2	7541.0	2966.7	359.2	136.6	68.7
-42.5°	9135.7	8972.8	8564.6	8285.6	7722.7	6851.3	5335.3	1924.3	329.7	114.5	67.9
-47.5°	6106.8	5913.7	5773.0	5593.0	5089.0	3958.3	2717.1	712.6	298.6	90.0	67.9
-55°	1680.5	1571.7	1657.6	1443.2	1148.7	844.3	709.4	263.4	233.2	77.7	67.1
-65°	1089.0	1124.2	825.5	513.8	320.7	242.2	346.9	156.3	119.5	71.2	66.3
-75°	132.5	117.0	93.3	103.1	109.6	99.8	92.5	67.1	66.3	66.3	65.5
-85°	54.0	52.4	50.7	49.9	48.3	47.5	48.3	50.7	57.3	63.0	63.8
-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)