

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: P571677

Luminaire Tested: **UFLD-L-CA4-250-760-U-66-TS2HW_NFFLD**

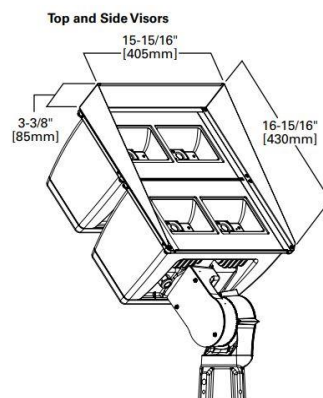
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571677
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-CA4-250-760-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

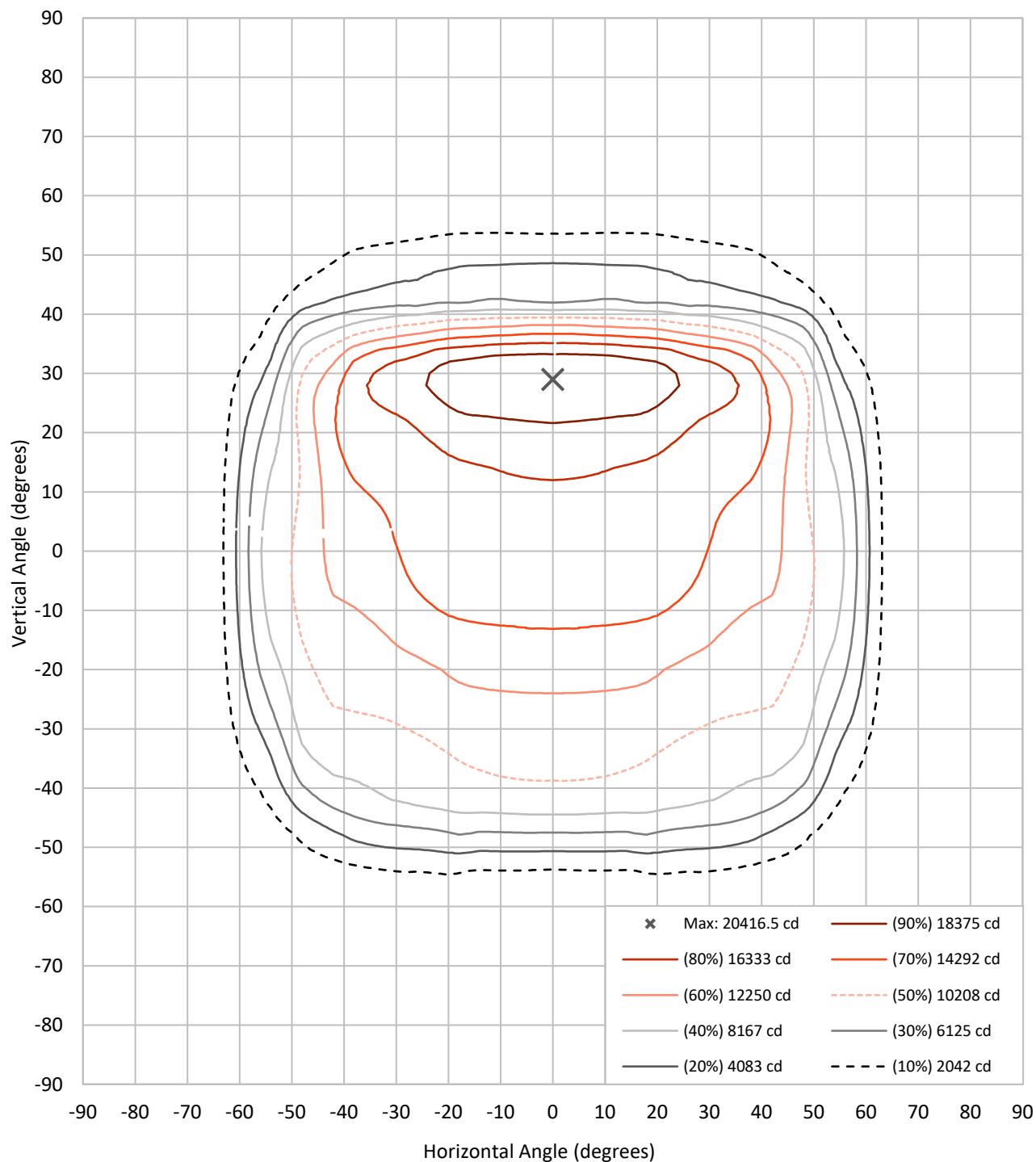
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	35484 lumens	Max Intensity:	20416.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	141.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	25761.2 lumens	Field Lumens:	34492.4 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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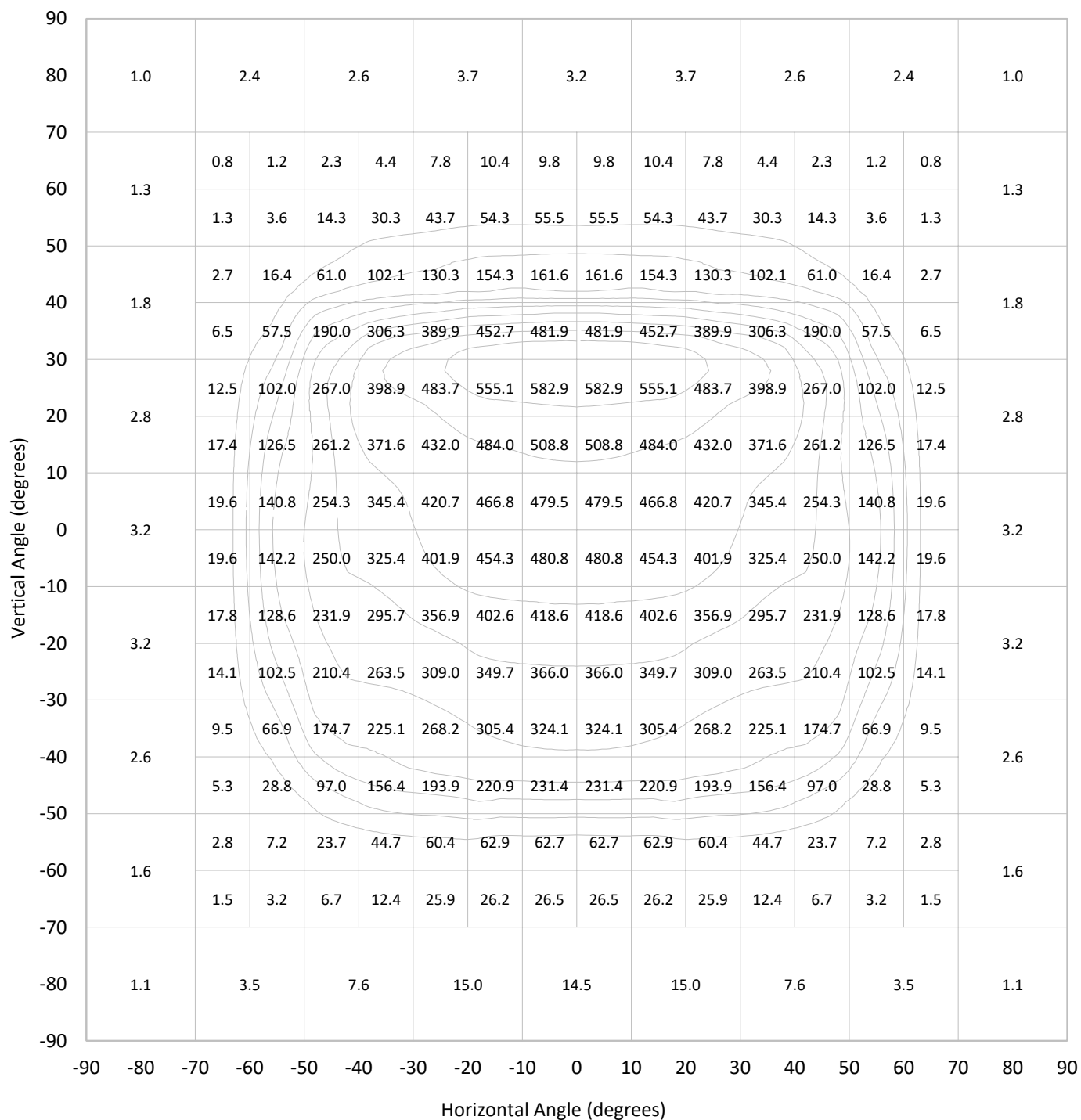
Iso-Candela Plot



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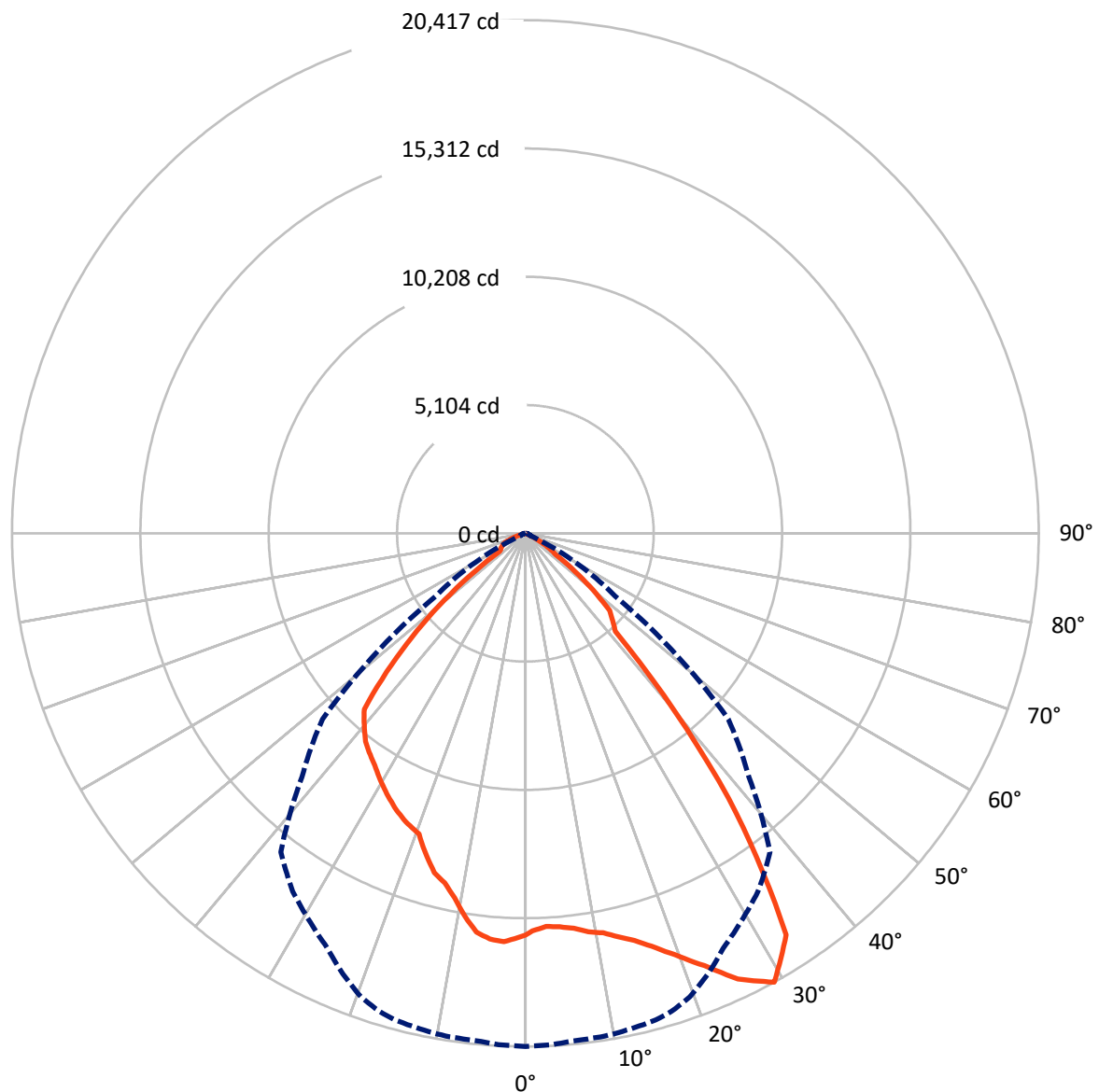
Lumen Table



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Luminous Intensity Polar Plot



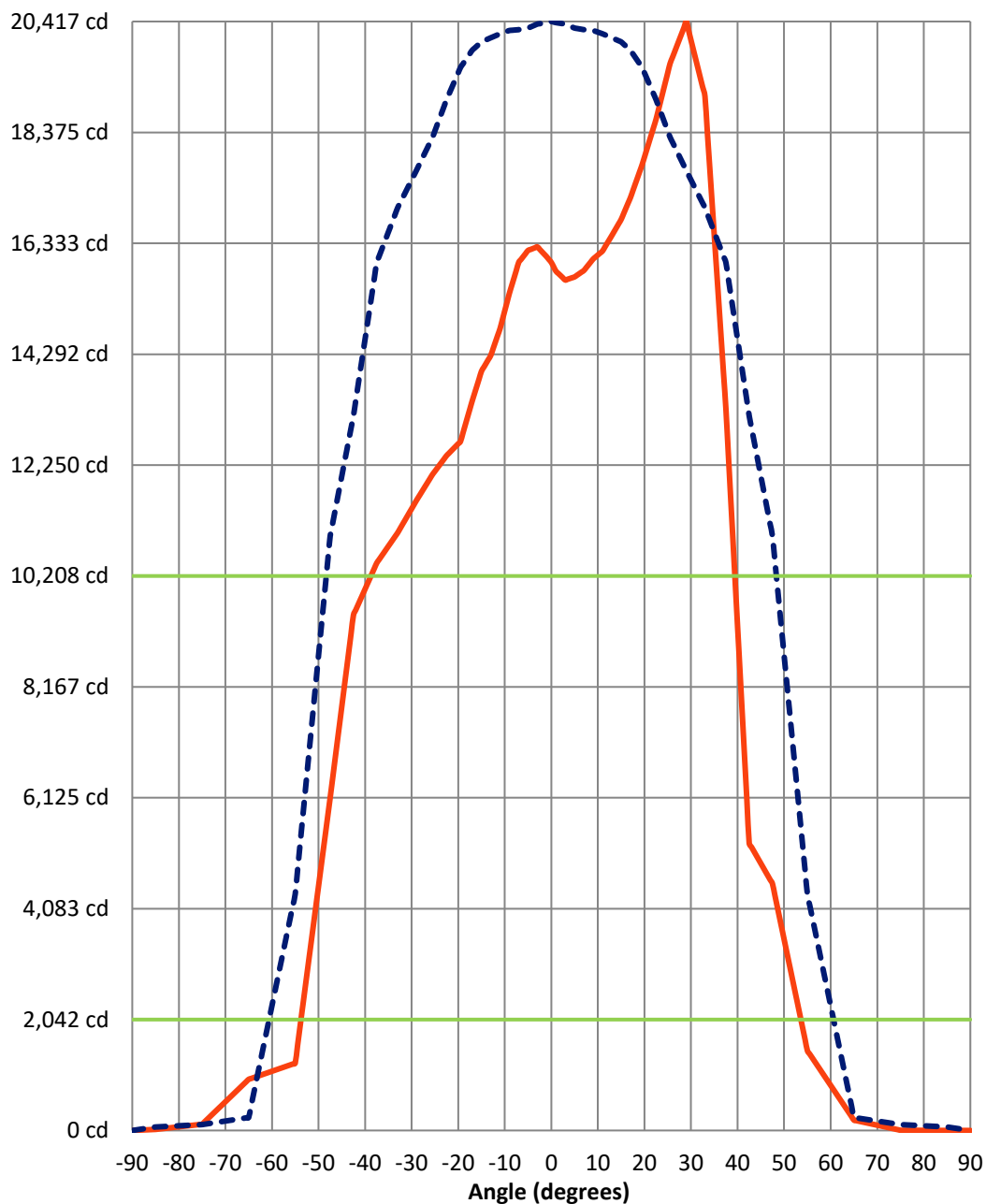
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 25761.2

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 34492.4

Efficiency: 97.2%

Spill:

Lumens: 991.6

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	9.4	21.1	26.6	29.0	31.3	33.7	35.2	35.2	34.5	32.9
75°	3.9	5.5	12.5	16.4	18.8	20.4	21.9	21.1	21.9	20.4	20.4
65°	190.3	190.3	189.5	184.0	173.1	161.3	155.1	171.5	214.6	255.3	264.7
55°	1470.7	1452.7	1449.6	1512.2	1513.0	1559.2	1562.4	1574.9	1538.1	1563.9	1516.2
47.5°	4541.4	4544.6	4517.2	4499.1	4474.1	4422.4	4386.4	4360.5	4356.6	4322.9	4182.8
42.5°	5291.7	5299.5	5372.4	5415.4	5537.6	5684.0	5799.2	5662.1	5540.7	5270.5	5355.1
37.5°	13283.6	13295.4	13281.3	13253.1	12953.2	12874.8	12814.5	12636.8	12553.0	12518.5	12373.6
33°	19038.2	19111.0	19068.7	19010.8	19051.5	19009.2	18919.9	18738.2	18411.7	18245.6	18021.7
29°	20416.5	20396.1	20369.5	20295.9	20266.1	20251.3	20190.2	20117.3	20041.4	19886.3	19570.7
25.5°	19640.4	19574.6	19577.8	19508.1	19454.8	19443.1	19384.3	19300.5	19228.5	19080.5	18750.8
22.5°	18616.8	18599.6	18565.2	18503.3	18469.6	18390.5	18323.2	18250.3	18230.8	18177.5	17922.2
19.5°	17778.9	17758.5	17758.5	17726.4	17680.2	17602.7	17504.8	17431.9	17388.1	17367.7	17182.9
17°	17175.9	17157.1	17150.8	17101.5	17060.7	16989.5	16889.2	16794.5	16723.2	16685.6	16551.7
15°	16771.8	16741.2	16736.5	16714.6	16671.5	16597.9	16499.2	16411.5	16349.6	16274.5	16139.8
13°	16476.5	16441.3	16435.0	16401.3	16357.5	16289.3	16209.5	16136.6	16085.7	16007.4	15887.6
11°	16191.5	16215.7	16195.4	16164.0	16114.7	16056.8	15998.0	15951.8	15910.3	15861.7	15778.0
9°	16045.0	15995.7	15998.8	15970.6	15937.7	15896.2	15855.5	15809.3	15805.4	15800.7	15734.9
7°	15832.8	15817.1	15840.6	15824.9	15778.7	15784.2	15750.5	15759.2	15783.4	15808.5	15816.3
5°	15714.5	15705.1	15713.7	15709.0	15692.6	15698.9	15694.9	15741.1	15814.8	15942.4	16055.2
3°	15656.6	15673.0	15670.7	15672.2	15708.3	15723.1	15761.5	15828.1	15919.7	16027.8	16041.9
1°	15819.5	15838.3	15847.7	15882.1	15943.2	15946.3	15945.5	15984.7	16001.9	16256.5	16240.8
0°	15980.8	15991.0	15994.9	15998.8	16022.3	16034.0	15999.6	15989.4	15962.0	16147.6	16055.2
-1°	16085.7	16109.2	16093.6	16117.8	16140.5	16083.4	16035.6	15978.4	15941.6	16038.0	15851.6
-3°	16268.2	16251.0	16211.8	16207.9	16212.6	16121.8	15998.8	15935.4	15826.5	15771.7	15696.5
-5°	16201.6	16195.4	16149.2	16122.5	16069.3	15922.8	15802.2	15701.2	15585.3	15413.8	15301.8
-7°	15981.6	15903.3	15882.9	15839.8	15680.8	15553.2	15409.1	15293.2	15132.6	15034.8	14954.9
-9°	15413.8	15377.0	15386.4	15330.0	15140.5	15034.0	14935.3	14838.2	14741.1	14669.0	14615.8
-11°	14766.1	14699.6	14750.5	14701.9	14607.9	14562.5	14530.4	14476.4	14440.3	14393.4	14333.8
-13°	14269.6	14238.3	14280.6	14257.1	14207.0	14209.3	14200.7	14176.4	14154.5	14095.8	13990.8
-15°	13977.5	13939.9	13955.6	13963.4	13943.1	13936.0	13929.0	13903.1	13865.5	13792.7	13662.7
-17°	13428.5	13367.4	13389.4	13390.9	13387.0	13365.9	13398.8	13382.3	13375.3	13325.2	13206.1
-19.5°	12686.1	12661.0	12658.7	12662.6	12673.6	12677.5	12694.7	12693.9	12686.1	12625.0	12502.9
-22.5°	12423.0	12419.1	12405.0	12415.1	12408.9	12401.0	12396.3	12374.4	12323.5	12267.9	12123.0
-25.5°	12079.2	12072.1	12093.3	12072.1	12040.0	12022.8	11980.5	11935.1	11886.5	11848.9	11699.4
-29°	11594.4	11590.5	11573.3	11559.2	11510.6	11459.7	11390.8	11344.6	11248.3	11187.2	11008.6
-33°	11003.9	10985.1	10957.7	10937.4	10908.4	10861.4	10816.8	10733.7	10640.5	10549.7	10379.8
-37.5°	10446.3	10469.0	10447.9	10443.2	10406.4	10351.6	10286.6	10209.0	10122.1	10025.0	9869.9
-42.5°	9487.0	9489.3	9483.8	9445.5	9373.4	9312.3	9238.7	9194.1	9168.2	9112.6	8965.4
-47.5°	6123.4	6136.7	6138.3	6154.7	6121.8	6096.0	6074.8	6048.2	6038.8	6501.6	6157.8
-55°	1238.9	1244.4	1276.5	1330.6	1361.1	1376.8	1339.2	1306.3	1307.8	1448.8	1641.5
-65°	941.3	936.6	933.5	926.5	921.0	911.6	920.2	930.4	924.1	941.3	961.7
-75°	115.1	115.9	116.7	115.9	105.7	115.9	129.2	124.5	130.8	135.5	134.7
-85°	19.6	18.8	25.8	32.1	35.2	41.5	47.0	50.9	52.5	53.3	53.3
-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°	30.5	29.0	27.4	26.6	27.4	29.8	33.7	39.9	50.9	55.6	59.5
75°	19.6	19.6	21.1	27.4	28.2	32.1	36.0	41.5	51.7	56.4	60.3
65°	210.7	126.1	91.6	77.5	62.7	54.0	54.0	58.7	61.9	60.3	61.1
55°	1414.4	1273.4	1149.7	1061.9	832.5	561.5	382.2	130.8	92.4	65.0	61.9
47.5°	4023.8	3781.8	3564.9	3337.0	3127.1	2249.2	1467.6	278.0	134.7	70.5	62.7
42.5°	5387.2	4655.8	4924.4	4670.7	4320.6	3917.3	3016.7	1004.8	153.5	79.1	62.7
37.5°	11799.6	11335.2	10921.7	10173.0	9247.3	7851.8	6673.1	1973.5	168.4	88.5	63.4
33°	17709.2	16836.0	16099.8	15598.6	14304.9	11334.4	9562.2	3001.8	200.5	98.7	64.2
29°	18977.1	18287.9	17670.0	16987.9	15977.7	13156.8	10940.5	4353.5	238.9	108.1	64.2
25.5°	18208.8	17608.9	17051.3	16561.9	15908.0	13815.4	11492.6	5363.0	277.2	118.3	64.2
22.5°	17385.7	16783.5	16252.5	15890.7	15597.0	14040.9	11335.2	6075.6	315.6	126.9	64.2
19.5°	16720.1	16172.7	15723.1	15450.6	15346.4	13986.9	10962.4	6698.2	358.7	134.7	65.0
17°	16114.7	15681.6	15341.0	15217.2	15143.6	13806.0	10745.5	7198.6	395.5	139.4	65.0
15°	15801.4	15426.3	15180.4	15117.0	14887.5	13595.3	10616.3	7558.1	417.4	144.1	65.0
13°	15593.9	15290.8	15122.5	14953.3	14578.2	13376.8	10552.8	7893.3	433.1	147.2	65.0
11°	15465.5	15230.5	15034.8	14718.4	14235.9	13215.5	10549.7	8175.2	440.9	150.4	65.8
9°	15503.9	15226.6	14907.1	14461.5	13961.8	13083.9	10582.6	8394.5	439.3	152.7	65.8
7°	15560.2	15242.3	14783.4	14221.1	13717.5	13007.2	10629.6	8571.5	430.7	155.1	65.8
5°	15611.9	15251.7	14721.5	14022.1	13514.7	12925.8	10689.9	8716.4	426.8	157.4	65.8
3°	15615.8	15237.6	14638.5	13825.6	13351.8	12867.8	10756.4	8831.5	422.9	159.0	65.8
1°	15557.1	15148.3	14514.7	13648.6	13231.2	12815.3	10826.1	8895.7	420.5	158.2	65.8
0°	15511.7	15059.0	14427.8	13568.7	13151.3	12780.1	10861.4	8912.2	414.3	156.6	65.8
-1°	15424.0	14988.5	14333.8	13520.2	13095.7	12728.4	10884.1	8898.1	411.1	155.8	65.8
-3°	15239.9	14785.7	14185.8	13396.4	12951.6	12618.8	10928.0	8869.1	413.5	154.3	65.8
-5°	14995.6	14580.5	14031.5	13257.8	12786.4	12479.4	10933.4	8791.5	419.0	153.5	65.8
-7°	14730.9	14344.8	13788.8	13050.3	12571.0	12275.7	10898.2	8672.5	411.1	153.5	65.8
-9°	14403.5	14004.1	13449.7	12783.2	12338.4	12045.5	10821.4	8511.2	408.0	154.3	65.8
-11°	14059.7	13637.6	13112.1	12517.7	12087.0	11806.6	10716.5	8324.0	408.0	153.5	66.6
-13°	13707.3	13269.6	12785.6	12256.2	11866.9	11530.2	10573.2	8096.9	404.9	155.1	65.8
-15°	13351.8	12908.5	12494.2	12013.4	11663.3	11289.0	10401.7	7816.5	403.3	157.4	65.8
-17°	12888.2	12506.0	12159.1	11760.4	11426.0	11068.9	10212.9	7502.5	399.4	159.0	65.8
-19.5°	12201.3	11874.8	11618.7	11363.4	11111.2	10779.2	9980.4	7053.8	389.2	159.8	65.8
-22.5°	11801.9	11467.5	11209.1	10982.8	10784.6	10518.4	9719.6	6459.4	372.0	159.8	65.8
-25.5°	11398.6	11095.5	10823.0	10589.6	10452.6	10281.1	9505.0	5799.2	358.7	157.4	65.8
-29°	10772.9	10545.8	10292.8	10056.3	9948.2	9848.8	9190.2	4939.3	350.8	152.7	65.8
-33°	10144.8	9913.0	9646.0	9368.7	9256.7	9206.6	8427.4	3818.6	350.1	144.1	65.8
-37.5°	9646.0	9400.8	9089.1	8753.2	8474.4	8259.8	7218.2	2839.7	343.8	130.8	65.8
-42.5°	8744.6	8588.7	8197.9	7930.9	7392.1	6558.0	5106.9	1841.9	315.6	109.6	65.0
-47.5°	5845.4	5660.5	5525.8	5353.6	4871.1	3788.8	2600.8	682.1	285.8	86.1	65.0
-55°	1608.6	1504.4	1586.6	1381.5	1099.5	808.2	679.0	252.2	223.2	74.4	64.2
-65°	1042.4	1076.0	790.2	491.8	307.0	231.8	332.1	149.6	114.3	68.1	63.4
-75°	126.9	112.0	89.3	98.7	104.9	95.5	88.5	64.2	63.4	63.4	62.7
-85°	51.7	50.1	48.6	47.8	46.2	45.4	46.2	48.6	54.8	60.3	61.1
-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)