

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: P571679

Luminaire Tested: **UFLD-L-CA4-270-727-U-66-TS2HW_NFFLD**

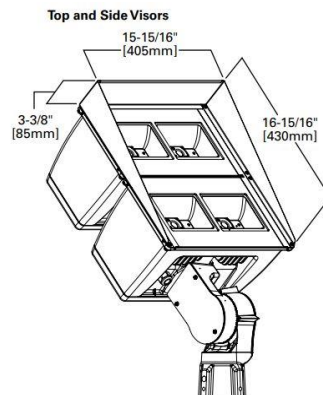
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571679
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-CA4-270-727-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

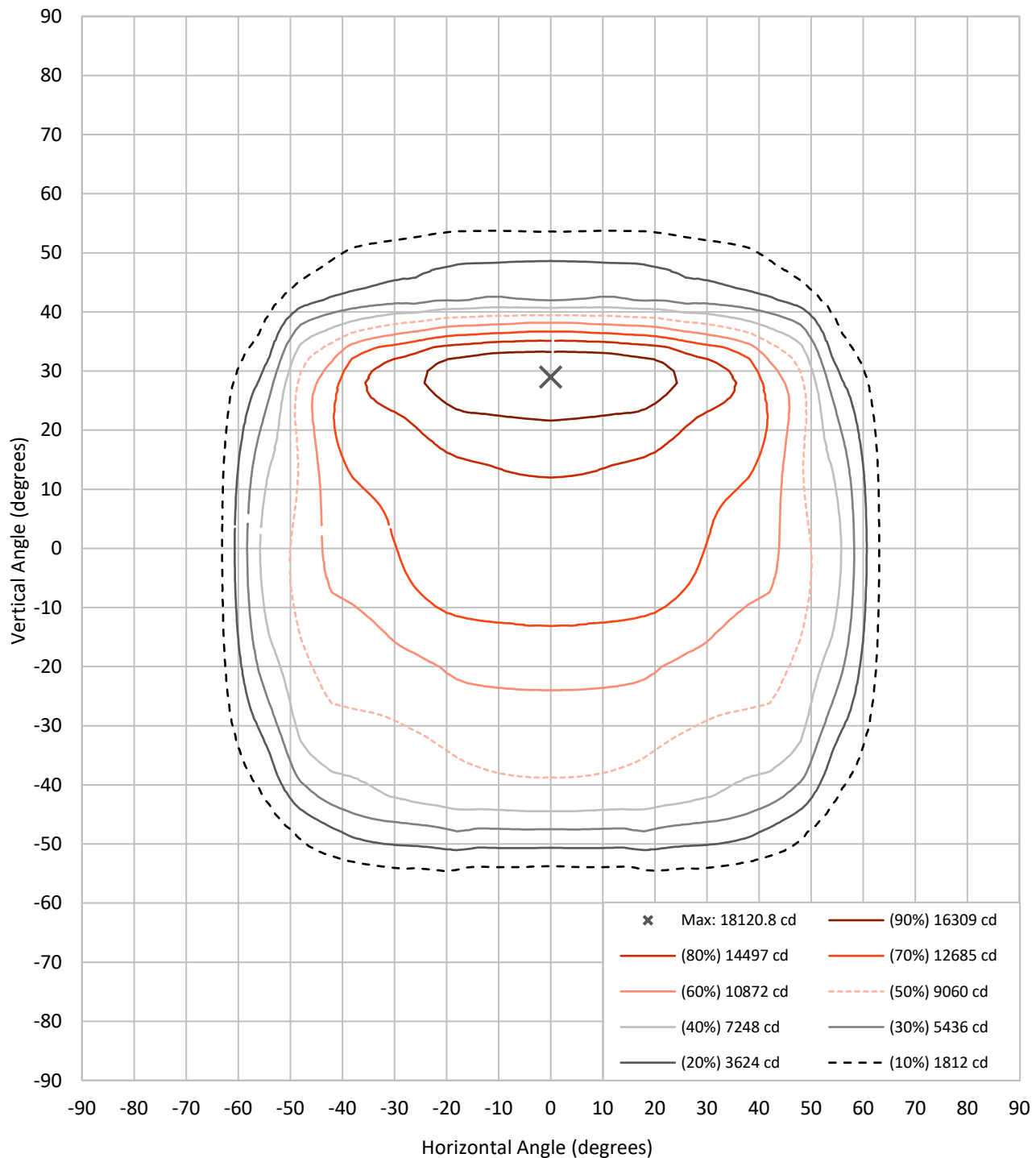
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	31494 lumens	Max Intensity:	18120.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	118.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	22864.5 lumens	Field Lumens:	30613.9 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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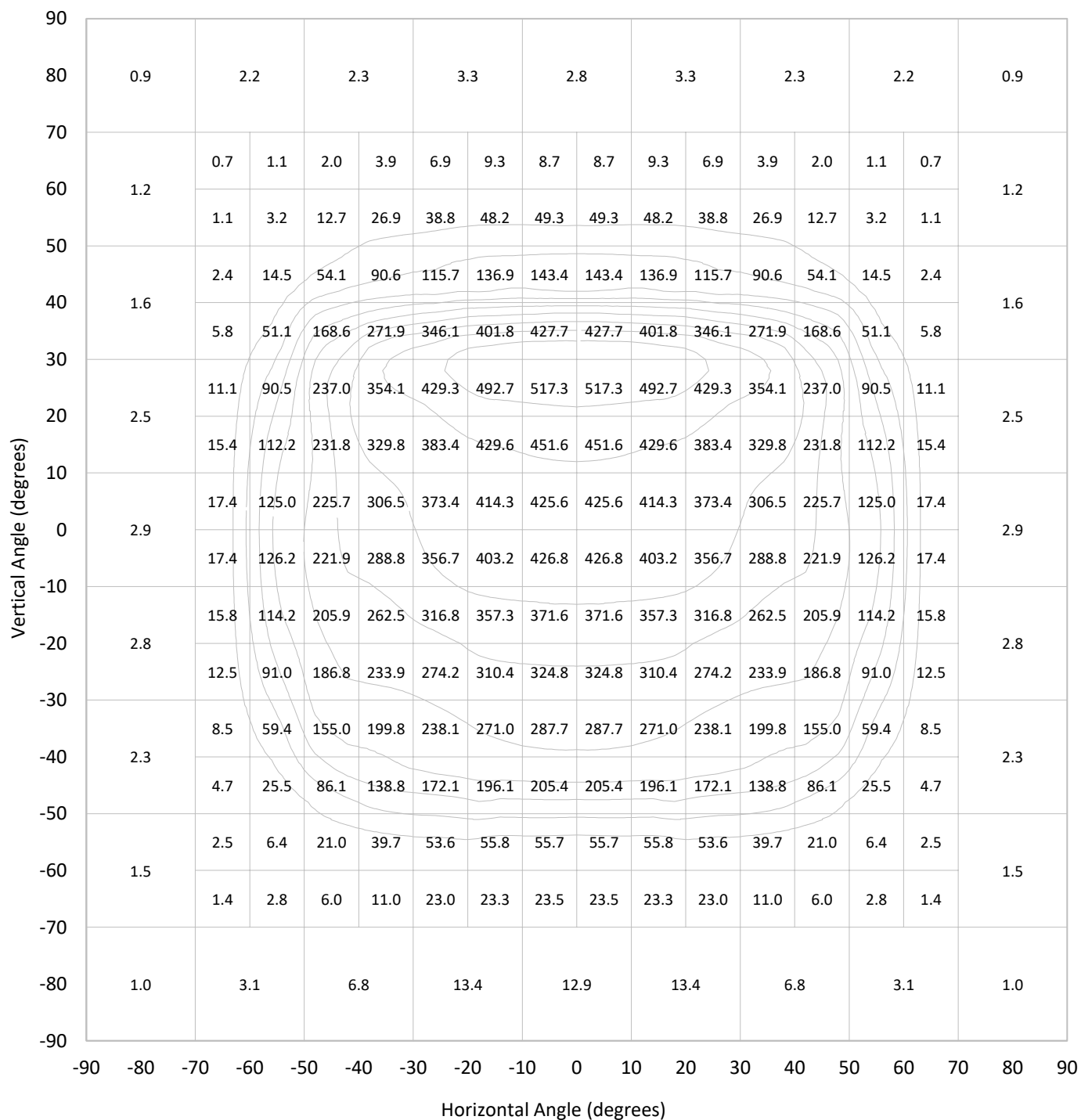
Iso-Candela Plot



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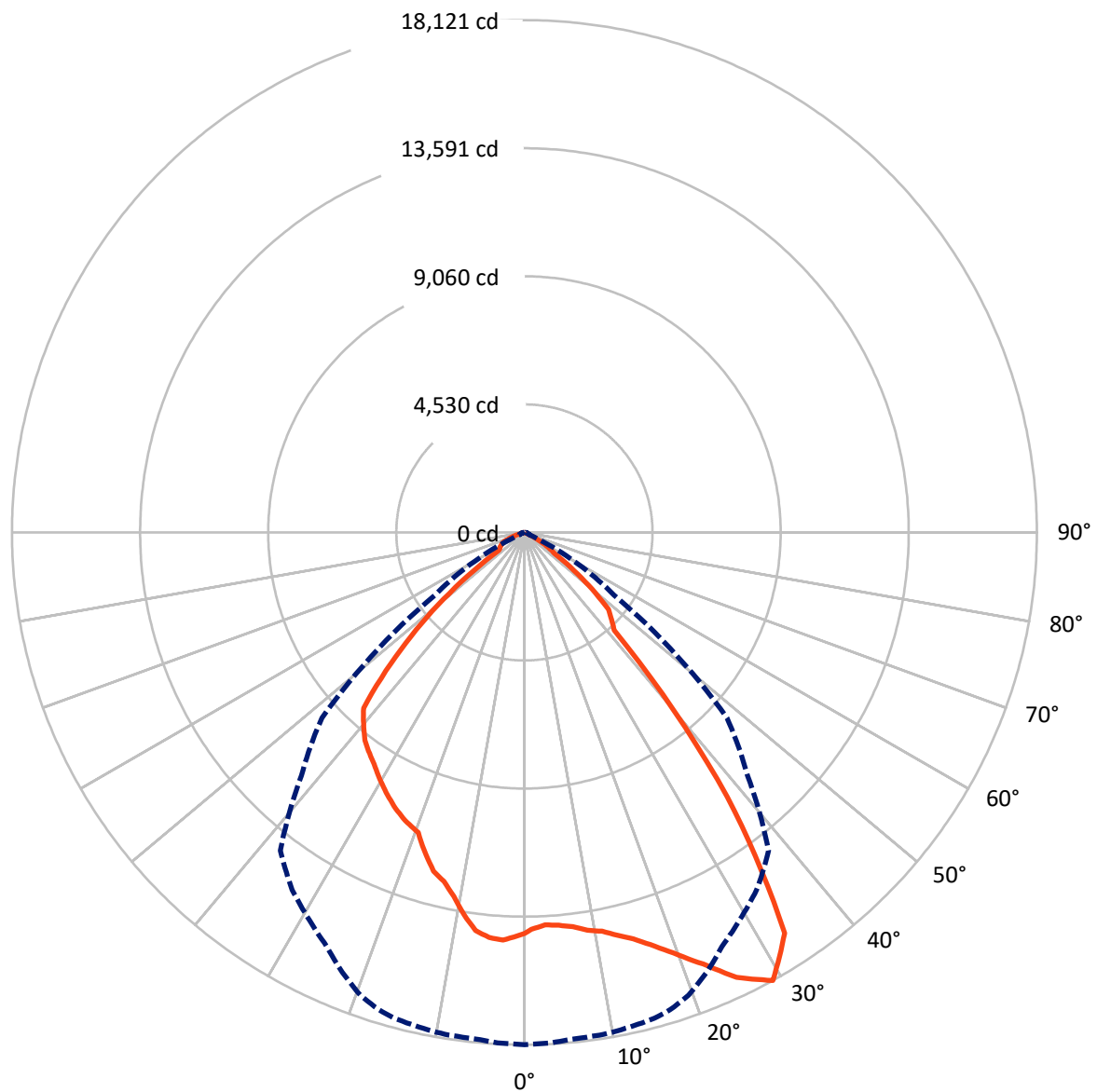
Lumen Table



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Luminous Intensity Polar Plot



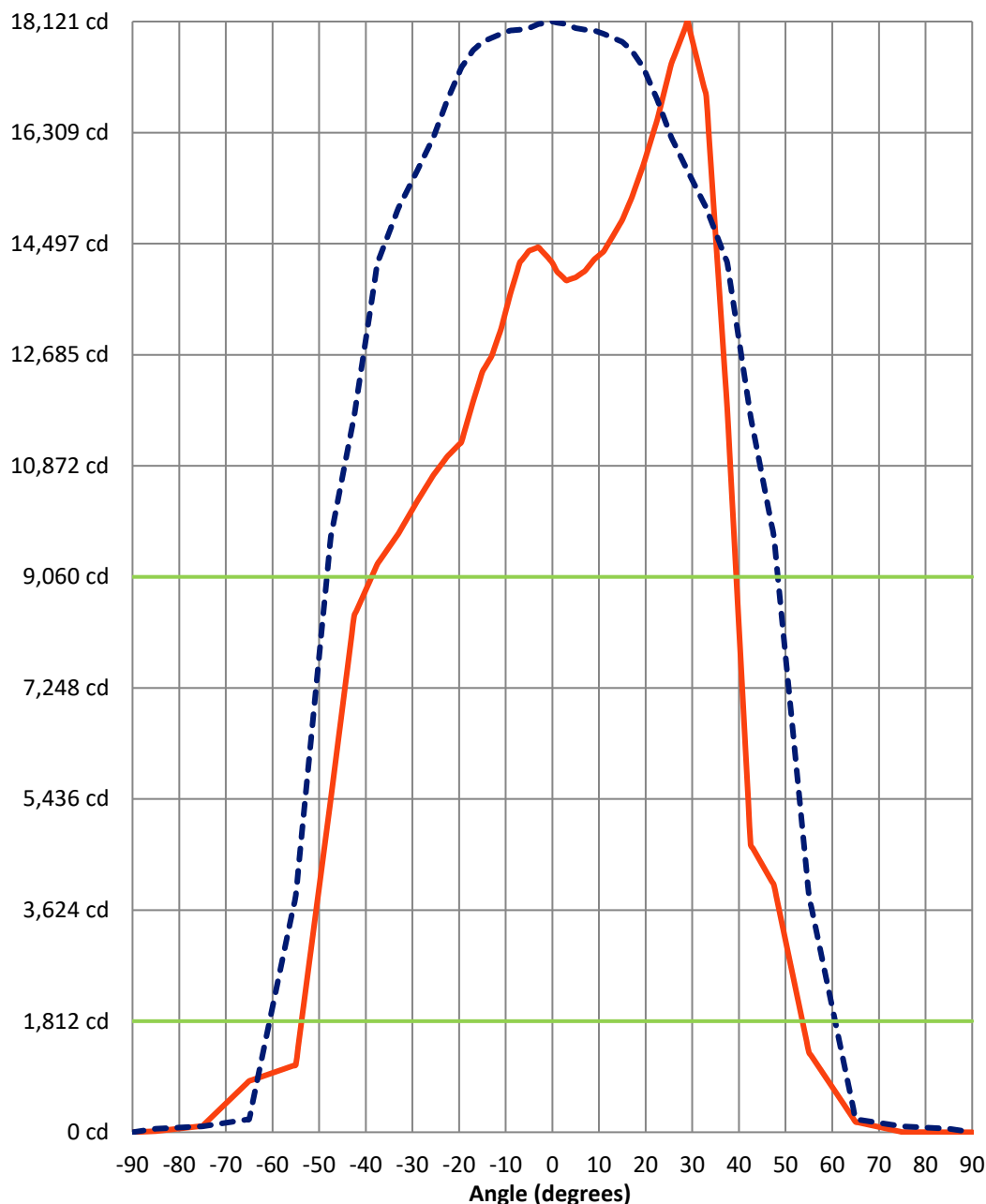
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 22864.5

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 30613.9

Efficiency: 97.2%

Spill:

Lumens: 880.1

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	8.3	18.8	23.6	25.7	27.8	29.9	31.3	31.3	30.6	29.2
75°	3.5	4.9	11.1	14.6	16.7	18.1	19.5	18.8	19.5	18.1	18.1
65°	168.9	168.9	168.2	163.3	153.6	143.2	137.6	152.2	190.5	226.6	234.9
55°	1305.4	1289.4	1286.6	1342.2	1342.9	1383.9	1386.7	1397.8	1365.1	1388.1	1345.7
47.5°	4030.8	4033.6	4009.2	3993.2	3971.0	3925.1	3893.1	3870.2	3866.7	3836.8	3712.4
42.5°	4696.7	4703.6	4768.3	4806.5	4914.9	5044.9	5147.1	5025.4	4917.7	4677.9	4753.0
37.5°	11790.0	11800.4	11787.9	11762.9	11496.6	11427.1	11373.6	11215.8	11141.5	11110.9	10982.3
33°	16897.4	16962.1	16924.5	16873.1	16909.2	16871.7	16792.5	16631.2	16341.4	16194.0	15995.2
29°	18120.8	18102.7	18079.1	18013.7	17987.3	17974.1	17919.9	17855.2	17787.8	17650.2	17370.1
25.5°	17431.9	17373.6	17376.3	17314.5	17267.2	17256.8	17204.6	17130.3	17066.3	16935.0	16642.3
22.5°	16523.5	16508.2	16477.6	16422.7	16392.8	16322.6	16262.8	16198.2	16180.8	16133.5	15906.9
19.5°	15779.7	15761.7	15761.7	15733.2	15692.2	15623.3	15536.5	15471.8	15432.9	15414.8	15250.8
17°	15244.5	15227.8	15222.3	15178.5	15142.3	15079.1	14990.1	14906.0	14842.8	14809.4	14690.5
15°	14885.9	14858.7	14854.6	14835.1	14796.9	14731.5	14644.0	14566.1	14511.2	14444.5	14324.9
13°	14623.8	14592.5	14587.0	14557.1	14518.2	14457.7	14386.8	14322.1	14277.0	14207.5	14101.1
11°	14370.8	14392.4	14374.3	14346.5	14302.7	14251.2	14199.1	14158.1	14121.3	14078.2	14003.8
9°	14240.8	14197.0	14199.8	14174.8	14145.6	14108.8	14072.6	14031.6	14028.1	14024.0	13965.6
7°	14052.5	14038.6	14059.4	14045.5	14004.5	14009.4	13979.5	13987.1	14008.7	14030.9	14037.9
5°	13947.5	13939.2	13946.8	13942.6	13928.0	13933.6	13930.1	13971.1	14036.5	14149.8	14249.9
3°	13896.1	13910.7	13908.6	13910.0	13941.9	13955.1	13989.2	14048.3	14129.6	14225.5	14238.0
1°	14040.6	14057.3	14065.7	14096.2	14150.5	14153.2	14152.5	14187.3	14202.6	14428.5	14414.6
0°	14183.8	14192.9	14196.3	14199.8	14220.7	14231.1	14200.5	14191.5	14167.1	14331.9	14249.9
-1°	14277.0	14297.8	14283.9	14305.5	14325.6	14274.9	14232.5	14181.7	14149.1	14234.6	14069.1
-3°	14438.9	14423.6	14388.9	14385.4	14389.6	14308.9	14199.8	14143.5	14046.9	13998.2	13931.5
-5°	14379.8	14374.3	14333.3	14309.6	14262.4	14132.4	14025.3	13935.7	13832.8	13680.6	13581.2
-7°	14184.5	14115.0	14096.9	14058.7	13917.6	13804.3	13676.4	13573.5	13431.1	13344.2	13273.3
-9°	13680.6	13647.9	13656.3	13606.2	13438.0	13343.5	13255.9	13169.7	13083.5	13019.6	12972.3
-11°	13105.8	13046.7	13091.9	13048.8	12965.3	12925.0	12896.5	12848.6	12816.6	12774.9	12722.1
-13°	12665.1	12637.3	12674.8	12654.0	12609.5	12611.6	12603.9	12582.4	12562.9	12510.8	12417.6
-15°	12405.8	12372.4	12386.3	12393.3	12375.2	12369.0	12362.7	12339.8	12306.4	12241.8	12126.4
-17°	11918.6	11864.3	11883.8	11885.2	11881.7	11863.0	11892.1	11877.5	11871.3	11826.8	11721.2
-19.5°	11259.6	11237.4	11235.3	11238.8	11248.5	11252.0	11267.3	11266.6	11259.6	11205.4	11097.0
-22.5°	11026.1	11022.6	11010.1	11019.1	11013.6	11006.6	11002.4	10983.0	10937.8	10888.4	10759.9
-25.5°	10720.9	10714.7	10733.4	10714.7	10686.2	10670.9	10633.4	10593.0	10549.9	10516.6	10383.8
-29°	10290.7	10287.2	10271.9	10259.4	10216.3	10171.1	10110.0	10068.9	9983.5	9929.2	9770.8
-33°	9766.6	9749.9	9725.6	9707.5	9681.8	9640.1	9600.5	9526.8	9444.1	9363.4	9212.6
-37.5°	9271.7	9291.8	9273.1	9268.9	9236.2	9187.6	9129.9	9061.1	8983.9	8897.7	8760.1
-42.5°	8420.2	8422.3	8417.4	8383.4	8319.4	8265.2	8199.9	8160.3	8137.3	8088.0	7957.3
-47.5°	5434.8	5446.7	5448.0	5462.6	5433.4	5410.5	5391.7	5368.1	5359.8	5770.6	5465.4
-55°	1099.6	1104.5	1133.0	1180.9	1208.1	1222.0	1188.6	1159.4	1160.8	1285.9	1456.9
-65°	835.5	831.3	828.5	822.3	817.4	809.1	816.7	825.8	820.2	835.5	853.6
-75°	102.2	102.9	103.6	102.9	93.8	102.9	114.7	110.5	116.1	120.2	119.6
-85°	17.4	16.7	22.9	28.5	31.3	36.8	41.7	45.2	46.6	47.3	47.3
-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°	27.1	25.7	24.3	23.6	24.3	26.4	29.9	35.4	45.2	49.4	52.8
75°	17.4	17.4	18.8	24.3	25.0	28.5	32.0	36.8	45.9	50.0	53.5
65°	187.0	111.9	81.3	68.8	55.6	48.0	48.0	52.1	54.9	53.5	54.2
55°	1255.3	1130.2	1020.4	942.5	738.9	498.4	339.2	116.1	82.0	57.7	54.9
47.5°	3571.3	3356.5	3164.0	2961.7	2775.5	1996.3	1302.6	246.8	119.6	62.6	55.6
42.5°	4781.5	4132.3	4370.7	4145.5	3834.8	3476.8	2677.5	891.8	136.2	70.2	55.6
37.5°	10472.8	10060.6	9693.6	9029.1	8207.5	6968.9	5922.8	1751.6	149.4	78.5	56.3
33°	15717.9	14942.9	14289.5	13844.6	12696.4	10059.9	8486.9	2664.2	177.9	87.6	57.0
29°	16843.2	16231.5	15683.1	15077.7	14181.0	11677.4	9710.3	3864.0	212.0	95.9	57.0
25.5°	16161.3	15628.9	15134.0	14699.6	14119.2	12261.9	10200.3	4759.9	246.1	105.0	57.0
22.5°	15430.8	14896.3	14425.0	14103.9	13843.2	12462.1	10060.6	5392.4	280.1	112.6	57.0
19.5°	14840.0	14354.1	13955.1	13713.3	13620.8	12414.1	9729.7	5945.0	318.3	119.6	57.7
17°	14302.7	13918.3	13615.9	13506.1	13440.8	12253.6	9537.2	6389.2	351.0	123.7	57.7
15°	14024.7	13691.7	13473.5	13417.2	13213.5	12066.6	9422.5	6708.2	370.5	127.9	57.7
13°	13840.5	13571.5	13422.0	13271.9	12938.9	11872.7	9366.2	7005.7	384.4	130.7	57.7
11°	13726.5	13517.9	13344.2	13063.4	12635.2	11729.5	9363.4	7256.0	391.3	133.5	58.4
9°	13760.5	13514.5	13230.9	12835.4	12391.9	11612.7	9392.6	7450.6	389.9	135.5	58.4
7°	13810.6	13528.4	13121.0	12622.0	12175.0	11544.6	9434.3	7607.7	382.3	137.6	58.4
5°	13856.4	13536.7	13066.1	12445.4	11995.0	11472.3	9487.9	7736.3	378.8	139.7	58.4
3°	13859.9	13524.2	12992.5	12271.0	11850.4	11420.9	9546.9	7838.4	375.3	141.1	58.4
1°	13807.8	13445.0	12882.6	12113.9	11743.4	11374.3	9608.8	7895.4	373.3	140.4	58.4
0°	13767.5	13365.7	12805.5	12043.0	11672.5	11343.0	9640.1	7910.0	367.7	139.0	58.4
-1°	13689.6	13303.2	12722.1	11999.9	11623.1	11297.2	9660.2	7897.5	364.9	138.3	58.4
-3°	13526.3	13123.1	12590.7	11890.1	11495.3	11199.8	9699.2	7871.8	367.0	136.9	58.4
-5°	13309.4	12941.0	12453.8	11767.0	11348.6	11076.1	9704.0	7803.0	371.9	136.2	58.4
-7°	13074.5	12731.8	12238.3	11582.8	11157.4	10895.4	9672.7	7697.3	364.9	136.2	58.4
-9°	12783.9	12429.4	11937.3	11345.8	10951.0	10691.0	9604.6	7554.1	362.1	136.9	58.4
-11°	12478.8	12104.1	11637.7	11110.2	10727.9	10479.0	9511.5	7388.0	362.1	136.2	59.1
-13°	12166.0	11777.5	11347.9	10878.0	10532.6	10233.7	9384.3	7186.4	359.4	137.6	58.4
-15°	11850.4	11457.0	11089.3	10662.5	10351.8	10019.6	9232.1	6937.6	358.0	139.7	58.4
-17°	11439.0	11099.8	10791.8	10438.0	10141.2	9824.3	9064.6	6658.9	354.5	141.1	58.4
-19.5°	10829.4	10539.5	10312.2	10085.6	9861.8	9567.1	8858.1	6260.6	345.5	141.8	58.4
-22.5°	10474.9	10178.1	9948.7	9747.8	9572.0	9335.6	8626.7	5733.0	330.2	141.8	58.4
-25.5°	10116.9	9847.9	9606.0	9398.9	9277.2	9125.0	8436.2	5147.1	318.3	139.7	58.4
-29°	9561.5	9360.0	9135.5	8925.5	8829.6	8741.3	8156.8	4383.9	311.4	135.5	58.4
-33°	9004.1	8798.3	8561.3	8315.3	8215.9	8171.4	7479.8	3389.2	310.7	127.9	58.4
-37.5°	8561.3	8343.8	8067.1	7768.9	7521.5	7331.0	6406.6	2520.4	305.1	116.1	58.4
-42.5°	7761.3	7623.0	7276.1	7039.1	6560.9	5820.6	4532.6	1634.8	280.1	97.3	57.7
-47.5°	5188.1	5024.0	4904.5	4751.6	4323.4	3362.8	2308.4	605.4	253.7	76.5	57.7
-55°	1427.7	1335.3	1408.2	1226.1	975.9	717.3	602.6	223.8	198.1	66.0	57.0
-65°	925.2	955.0	701.3	436.5	272.5	205.7	294.7	132.8	101.5	60.5	56.3
-75°	112.6	99.4	79.2	87.6	93.1	84.8	78.5	57.0	56.3	56.3	55.6
-85°	45.9	44.5	43.1	42.4	41.0	40.3	41.0	43.1	48.7	53.5	54.2
-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):

	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)