

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: P571687

Luminaire Tested: **UFLD-L-CA4-320-740-U-66-TS2HW_NFFLD**

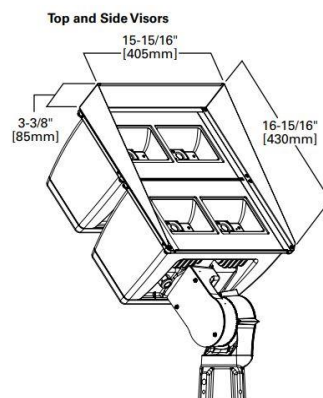
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571687
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-CA4-320-740-U-66-TS2HW_NFFLD
Description: FLOOD LIGHT LARGE, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (4) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

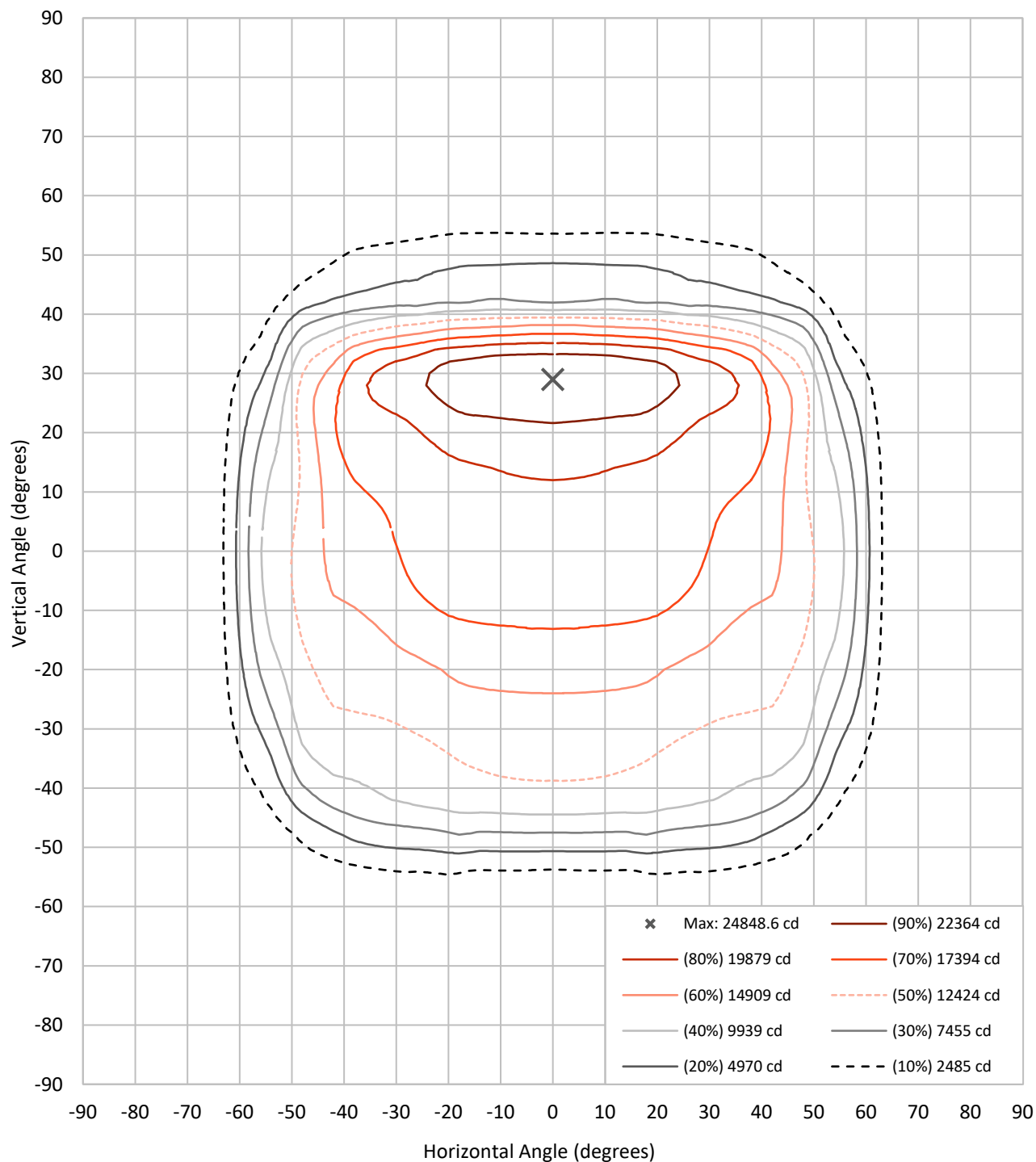
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	43187 lumens	Max Intensity:	24848.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	134.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	96.7°H x 78.2°V	Field Angle (10%):	121.2°H x 107.4°V
Beam Lumens:	31353.6 lumens	Field Lumens:	41980.2 lumens
Beam Efficiency:	72.6%	Field Efficiency:	97.2%
Input Watts (W):	322.4		
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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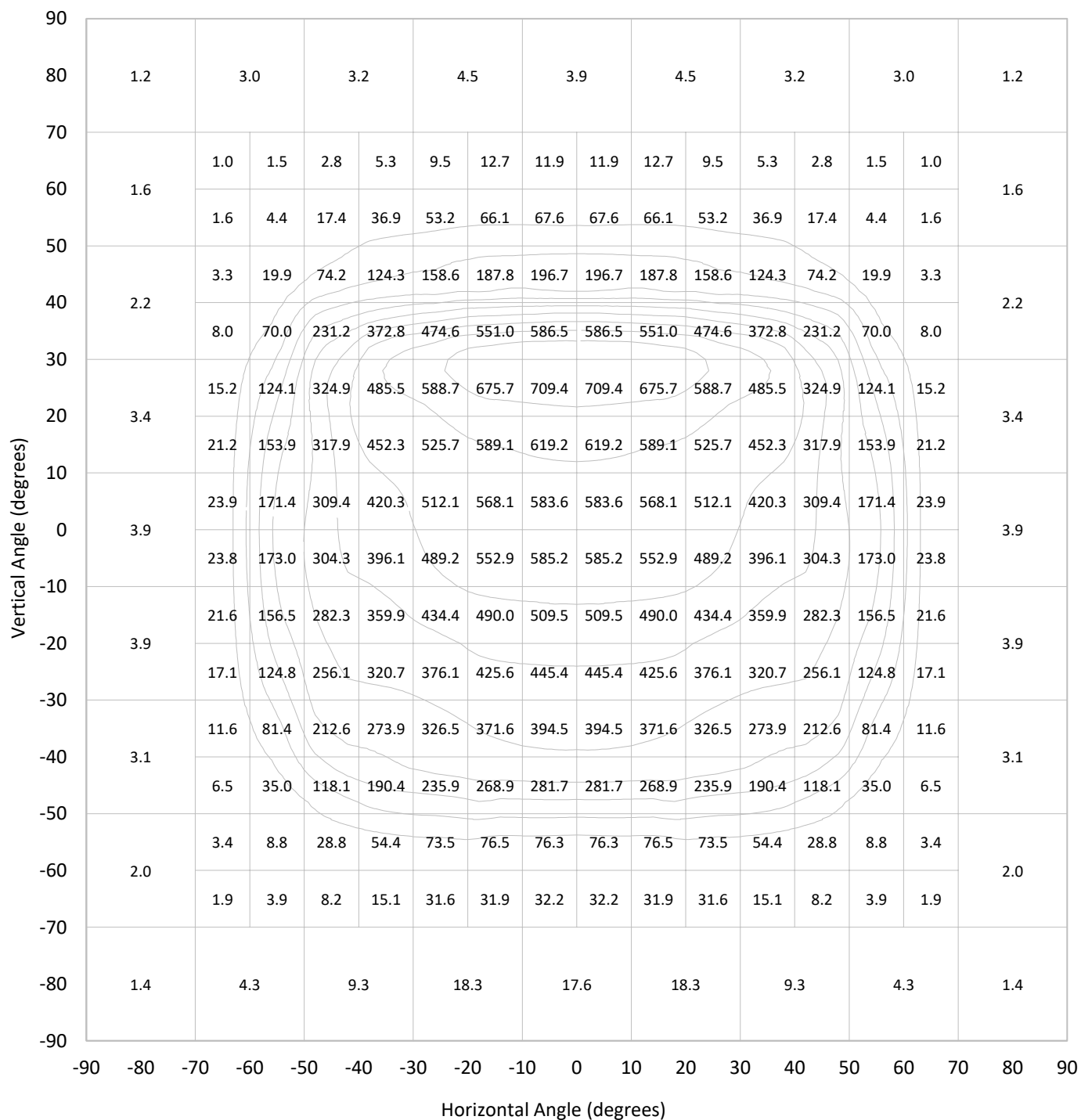
Iso-Candela Plot



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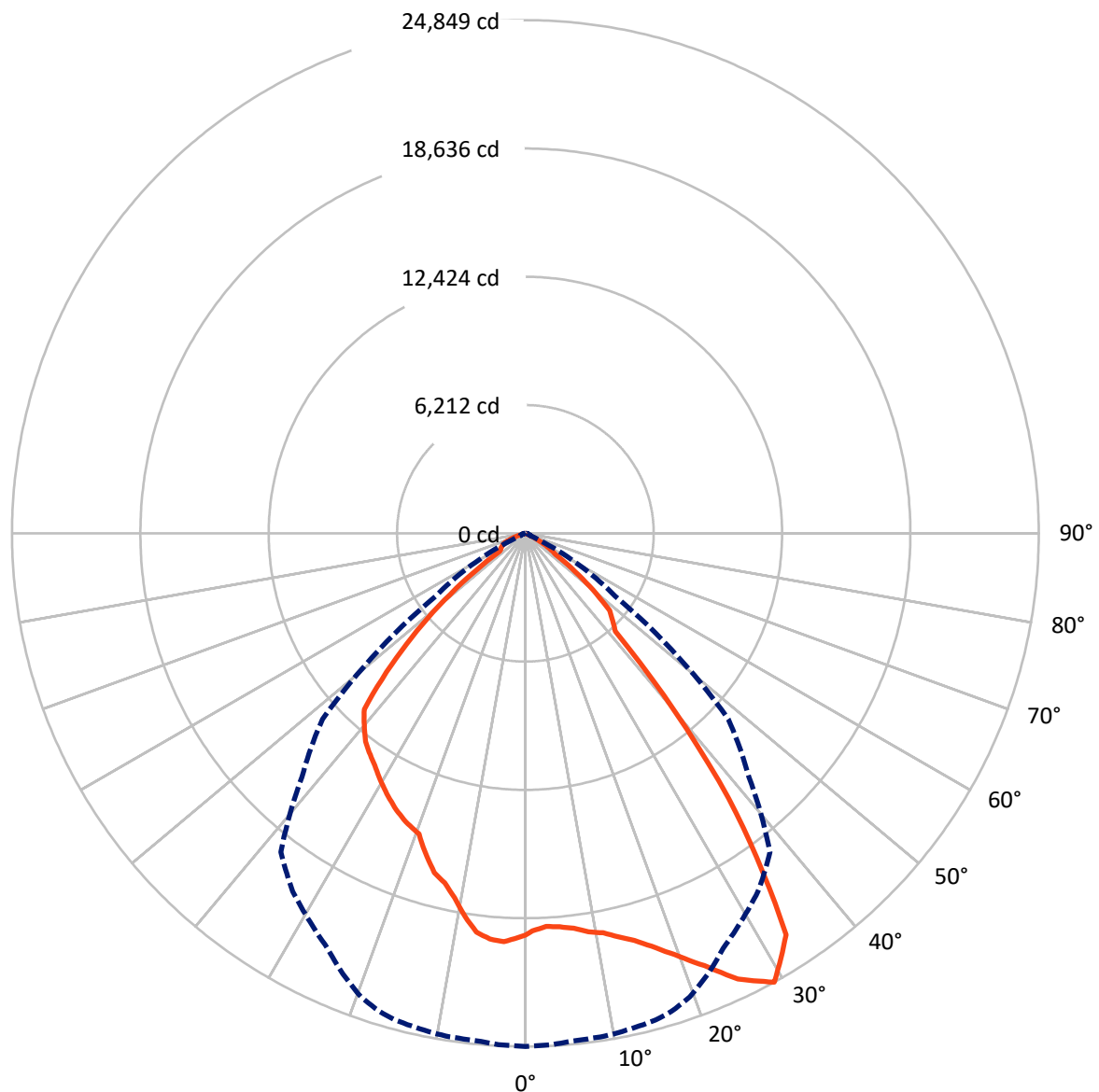
Lumen Table



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Luminous Intensity Polar Plot



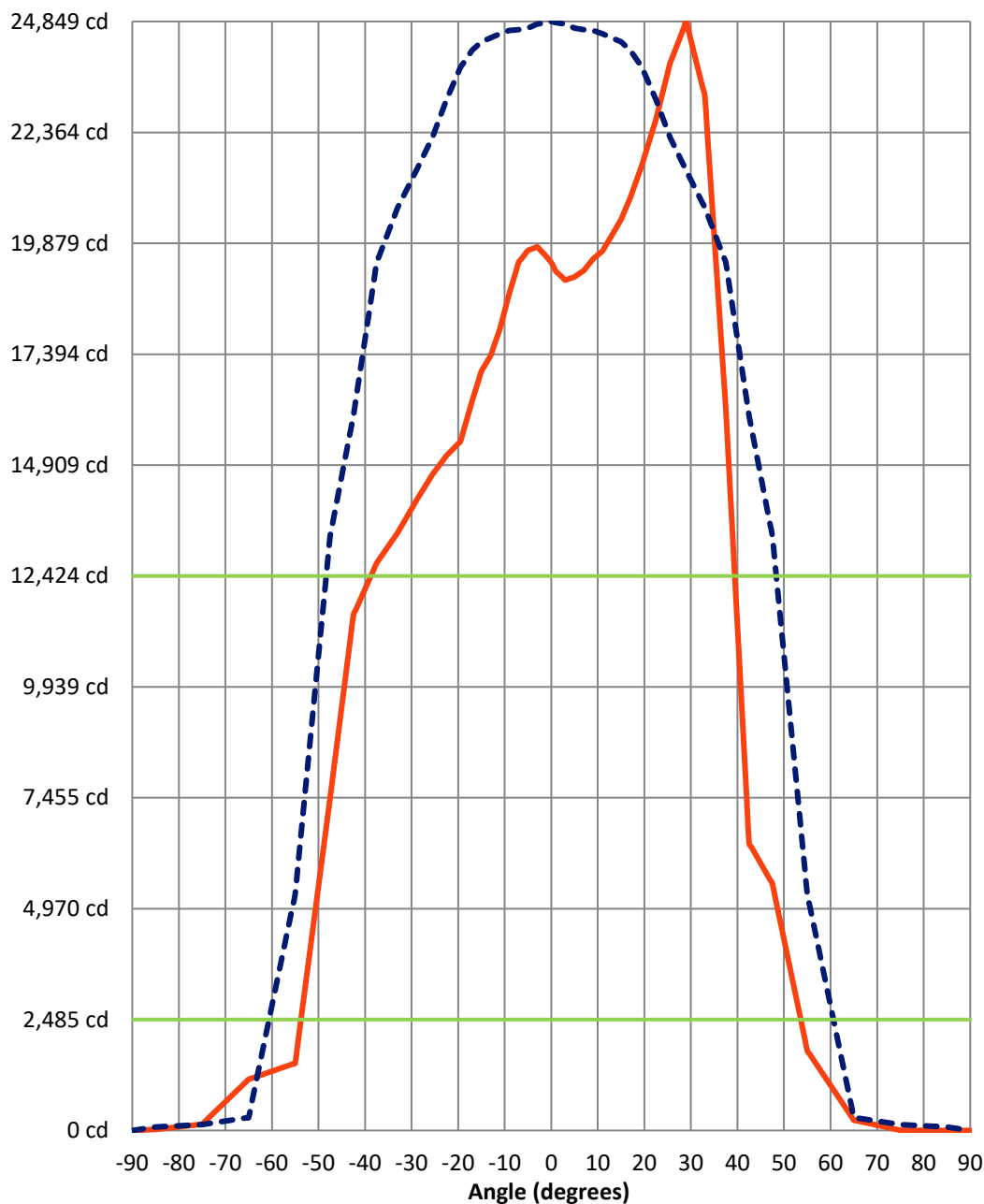
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 29-Deg

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Luminous Intensity Plot



Beam:

H Angle: 96.7°

V Angle: 78.2°

Lumens: 31353.6

Efficiency: 72.6%

Field:

H Angle: 121.2°

V Angle: 107.4°

Lumens: 41980.2

Efficiency: 97.2%

Spill:

Lumens: 1206.8

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	11.4	25.7	32.4	35.3	38.1	41.0	42.9	42.9	41.9	40.0
75°	4.8	6.7	15.3	20.0	22.9	24.8	26.7	25.7	26.7	24.8	24.8
65°	231.6	231.6	230.7	224.0	210.6	196.3	188.7	208.7	261.2	310.7	322.2
55°	1790.0	1768.1	1764.3	1840.5	1841.5	1897.7	1901.5	1916.8	1872.0	1903.4	1845.3
47.5°	5527.3	5531.1	5497.8	5475.8	5445.3	5382.4	5338.6	5307.1	5302.4	5261.4	5090.8
42.5°	6440.4	6450.0	6538.6	6591.0	6739.7	6918.0	7058.1	6891.3	6743.5	6414.7	6517.6
37.5°	16167.3	16181.6	16164.5	16130.1	15765.1	15669.8	15596.4	15380.0	15278.0	15236.1	15059.8
33°	23171.0	23259.7	23208.2	23137.7	23187.3	23135.8	23027.1	22806.0	22408.5	22206.5	21933.9
29°	24848.6	24823.8	24791.4	24701.8	24665.6	24647.5	24573.1	24484.5	24392.0	24203.3	23819.2
25.5°	23904.0	23824.0	23827.8	23742.9	23678.1	23663.8	23592.3	23490.4	23402.7	23222.5	22821.2
22.5°	22658.3	22637.3	22595.3	22520.0	22479.1	22382.8	22300.8	22212.2	22188.4	22123.5	21812.8
19.5°	21638.4	21613.6	21613.6	21574.5	21518.3	21423.9	21304.8	21216.1	21162.8	21138.0	20913.0
17°	20904.5	20881.6	20874.0	20813.9	20764.3	20677.6	20555.6	20440.3	20353.5	20307.8	20144.8
15°	20412.6	20375.5	20369.7	20343.1	20290.6	20201.0	20080.9	19974.2	19898.9	19807.4	19643.4
13°	20053.3	20010.4	20002.8	19961.8	19908.4	19825.5	19728.3	19639.6	19577.7	19482.4	19336.5
11°	19706.4	19735.9	19711.1	19673.0	19612.9	19542.4	19470.9	19414.7	19364.2	19305.1	19203.1
9°	19528.1	19468.1	19471.9	19437.6	19397.5	19347.0	19297.5	19241.2	19236.5	19230.7	19150.7
7°	19269.8	19250.7	19279.3	19260.3	19204.0	19210.7	19169.7	19180.2	19209.8	19240.3	19249.8
5°	19125.9	19114.4	19124.9	19119.2	19099.2	19106.8	19102.1	19158.3	19247.9	19403.3	19540.5
3°	19055.4	19075.4	19072.5	19074.4	19118.3	19136.4	19183.1	19264.1	19375.6	19507.1	19524.3
1°	19253.6	19276.5	19287.9	19329.9	19404.2	19408.0	19407.1	19454.7	19475.7	19785.5	19766.4
0°	19450.0	19462.3	19467.1	19471.9	19500.5	19514.8	19472.8	19460.4	19427.1	19653.0	19540.5
-1°	19577.7	19606.3	19587.2	19616.8	19644.4	19574.8	19516.7	19447.1	19402.3	19519.5	19292.7
-3°	19799.8	19778.8	19731.1	19726.4	19732.1	19621.5	19471.9	19394.7	19262.2	19195.5	19104.0
-5°	19718.7	19711.1	19654.9	19622.5	19557.7	19379.4	19232.6	19109.7	18968.6	18759.9	18623.6
-7°	19450.9	19355.6	19330.8	19278.4	19084.9	18929.5	18754.2	18613.1	18417.7	18298.6	18201.3
-9°	18759.9	18715.1	18726.5	18657.9	18427.2	18297.6	18177.5	18059.3	17941.1	17853.4	17788.6
-11°	17971.6	17890.6	17952.6	17893.5	17779.1	17723.8	17684.7	17619.0	17575.1	17517.9	17445.5
-13°	17367.3	17329.2	17380.7	17352.1	17291.1	17293.9	17283.4	17253.9	17227.2	17155.7	17028.0
-15°	17011.8	16966.0	16985.1	16994.6	16969.9	16961.3	16952.7	16921.3	16875.5	16786.9	16628.6
-17°	16343.6	16269.3	16296.0	16297.9	16293.1	16267.4	16307.4	16287.4	16278.8	16217.8	16072.9
-19.5°	15440.1	15409.6	15406.7	15411.5	15424.8	15429.6	15450.5	15449.6	15440.1	15365.7	15217.0
-22.5°	15119.8	15115.0	15097.9	15110.3	15102.6	15093.1	15087.4	15060.7	14998.8	14931.1	14754.7
-25.5°	14701.4	14692.8	14718.5	14692.8	14653.7	14632.7	14581.3	14526.0	14466.9	14421.1	14239.1
-29°	14111.4	14106.6	14085.6	14068.5	14009.4	13947.4	13863.5	13807.3	13690.1	13615.7	13398.4
-33°	13392.7	13369.8	13336.5	13311.7	13276.4	13219.2	13164.9	13063.9	12950.4	12839.9	12633.0
-37.5°	12714.1	12741.7	12716.0	12710.2	12665.4	12598.7	12519.6	12425.2	12319.4	12201.3	12012.5
-42.5°	11546.4	11549.3	11542.6	11495.9	11408.2	11333.9	11244.3	11190.0	11158.5	11090.8	10911.6
-47.5°	7452.7	7468.9	7470.8	7490.8	7450.8	7419.3	7393.6	7361.2	7349.7	7913.0	7494.6
-55°	1507.9	1514.6	1553.6	1619.4	1656.6	1675.6	1629.9	1589.9	1591.8	1763.3	1997.8
-65°	1145.7	1140.0	1136.2	1127.6	1120.9	1109.5	1119.9	1132.3	1124.7	1145.7	1170.5
-75°	140.1	141.1	142.0	141.1	128.7	141.1	157.3	151.6	159.2	164.9	163.9
-85°	23.8	22.9	31.5	39.1	42.9	50.5	57.2	62.0	63.9	64.8	64.8
-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):

	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°	37.2	35.3	33.4	32.4	33.4	36.2	41.0	48.6	62.0	67.7	72.4
75°	23.8	23.8	25.7	33.4	34.3	39.1	43.8	50.5	62.9	68.6	73.4
65°	256.4	153.5	111.5	94.4	76.3	65.8	65.8	71.5	75.3	73.4	74.3
55°	1721.4	1549.8	1399.2	1292.5	1013.2	683.4	465.1	159.2	112.5	79.1	75.3
47.5°	4897.3	4602.8	4338.7	4061.4	3805.9	2737.4	1786.2	338.4	163.9	85.8	76.3
42.5°	6556.7	5666.5	5993.4	5684.6	5258.5	4767.7	3671.5	1222.9	186.8	96.3	76.3
37.5°	14361.1	13795.9	13292.6	12381.4	11254.8	9556.3	8121.8	2401.9	204.9	107.7	77.2
33°	21553.6	20490.8	19594.8	18984.8	17410.2	13794.9	11637.9	3653.4	244.0	120.1	78.2
29°	23096.7	22257.9	21505.9	20675.7	19446.1	16012.9	13315.5	5298.6	290.7	131.5	78.2
25.5°	22161.7	21431.6	20752.9	20157.2	19361.3	16814.5	13987.5	6527.2	337.4	143.9	78.2
22.5°	21159.9	20426.9	19780.7	19340.3	18982.9	17089.0	13795.9	7394.5	384.1	154.4	78.2
19.5°	20349.7	19683.5	19136.4	18804.7	18677.9	17023.2	13342.2	8152.3	436.5	163.9	79.1
17°	19612.9	19085.9	18671.2	18520.6	18431.0	16803.1	13078.2	8761.3	481.3	169.7	79.1
15°	19231.7	18775.1	18475.8	18398.6	18119.4	16546.7	12920.9	9198.8	508.0	175.4	79.1
13°	18979.1	18610.2	18405.3	18199.4	17742.9	16280.7	12843.7	9606.8	527.1	179.2	79.1
11°	18822.8	18536.8	18298.6	17913.5	17326.3	16084.4	12839.9	9949.9	536.6	183.0	80.1
9°	18869.5	18532.1	18143.2	17600.8	16992.7	15924.3	12879.9	10216.8	534.7	185.9	80.1
7°	18938.1	18551.1	17992.6	17308.2	16695.4	15830.8	12937.1	10432.2	524.2	188.7	80.1
5°	19001.0	18562.6	17917.3	17066.1	16448.5	15731.7	13010.5	10608.5	519.5	191.6	80.1
3°	19005.8	18545.4	17816.3	16826.9	16250.2	15661.2	13091.5	10748.7	514.7	193.5	80.1
1°	18934.3	18436.8	17665.7	16611.5	16103.4	15597.3	13176.3	10826.8	511.8	192.5	80.1
0°	18879.0	18328.1	17559.9	16514.3	16006.2	15554.4	13219.2	10846.8	504.2	190.6	80.1
-1°	18772.3	18242.3	17445.5	16455.2	15938.6	15491.5	13246.9	10829.7	500.4	189.7	80.1
-3°	18548.3	17995.5	17265.3	16304.6	15763.2	15358.1	13300.2	10794.4	503.3	187.8	80.1
-5°	18250.9	17745.7	17077.6	16135.9	15562.1	15188.4	13306.9	10700.0	509.9	186.8	80.1
-7°	17928.7	17458.8	16782.1	15883.3	15299.9	14940.6	13264.0	10555.2	500.4	186.8	80.1
-9°	17530.3	17044.2	16369.4	15558.2	15016.9	14660.4	13170.6	10358.8	496.6	187.8	80.1
-11°	17111.9	16598.1	15958.6	15235.1	14710.9	14369.7	13042.9	10131.0	496.6	186.8	81.0
-13°	16683.0	16150.2	15561.1	14916.8	14443.1	14033.2	12868.5	9854.6	492.8	188.7	80.1
-15°	16250.2	15710.8	15206.5	14621.3	14195.2	13739.6	12659.7	9513.4	490.9	191.6	80.1
-17°	15686.0	15220.8	14798.6	14313.4	13906.4	13471.8	12430.0	9131.2	486.1	193.5	80.1
-19.5°	14850.1	14452.6	14140.9	13830.2	13523.3	13119.1	12146.9	8585.0	473.7	194.4	80.1
-22.5°	14364.0	13957.0	13642.4	13367.0	13125.8	12801.7	11829.5	7861.6	452.7	194.4	80.1
-25.5°	13873.1	13504.2	13172.5	12888.5	12721.7	12512.9	11568.4	7058.1	436.5	191.6	80.1
-29°	13111.5	12835.1	12527.2	12239.4	12107.8	11986.8	11185.2	6011.5	427.0	185.9	80.1
-33°	12347.1	12065.0	11739.9	11402.5	11266.2	11205.2	10256.8	4647.6	426.1	175.4	80.1
-37.5°	11739.9	11441.6	11062.2	10653.3	10314.0	10052.9	8785.2	3456.1	418.4	159.2	80.1
-42.5°	10642.9	10453.2	9977.6	9652.5	8996.8	7981.7	6215.5	2241.8	384.1	133.4	79.1
-47.5°	7114.3	6889.4	6725.4	6515.7	5928.6	4611.3	3165.4	830.2	347.9	104.8	79.1
-55°	1957.8	1831.0	1931.1	1681.4	1338.2	983.6	826.4	306.9	271.6	90.5	78.2
-65°	1268.6	1309.6	961.7	598.6	373.6	282.1	404.1	182.1	139.2	82.9	77.2
-75°	154.4	136.3	108.7	120.1	127.7	116.3	107.7	78.2	77.2	77.2	76.3
-85°	62.9	61.0	59.1	58.1	56.2	55.3	56.2	59.1	66.7	73.4	74.3
-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):

	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)