

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: P507823

Luminaire Tested: **UFLD-L-CA4-270-750-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-270-750-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	41044 lumens	Max Intensity:	21904.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	154.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	30495.7 lumens	Field Lumens:	39664.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

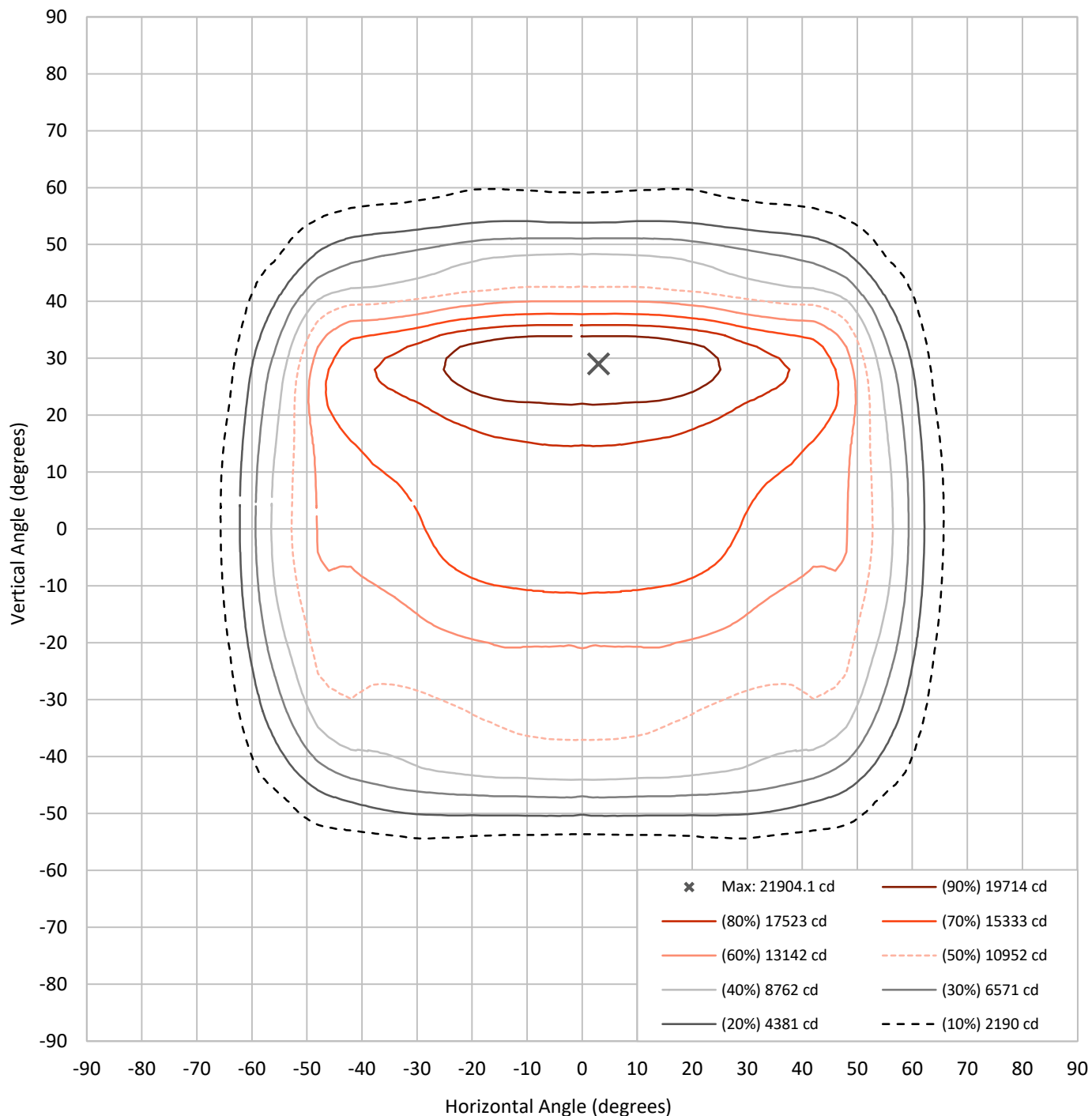
Input Watts (W): 265.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

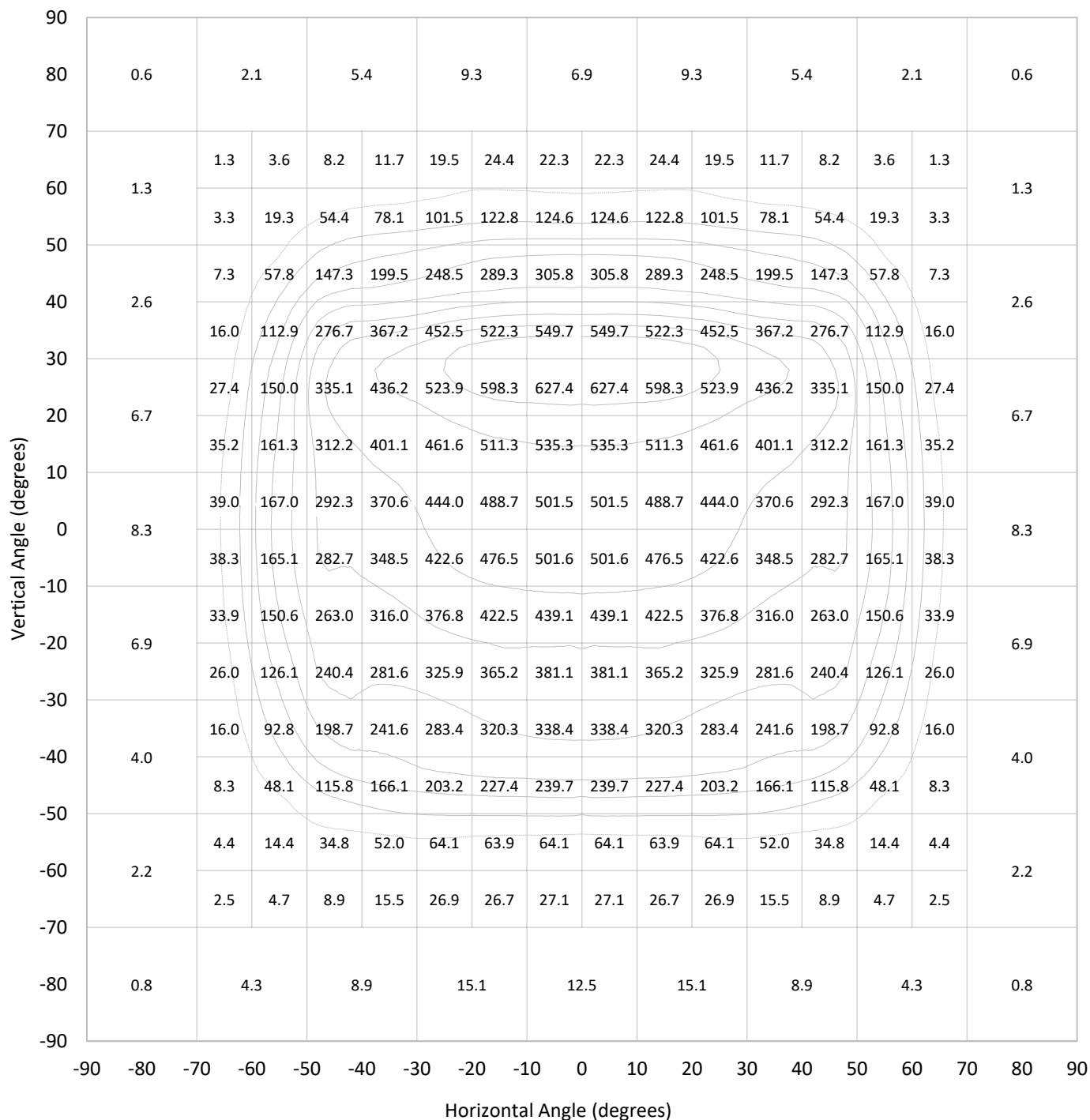




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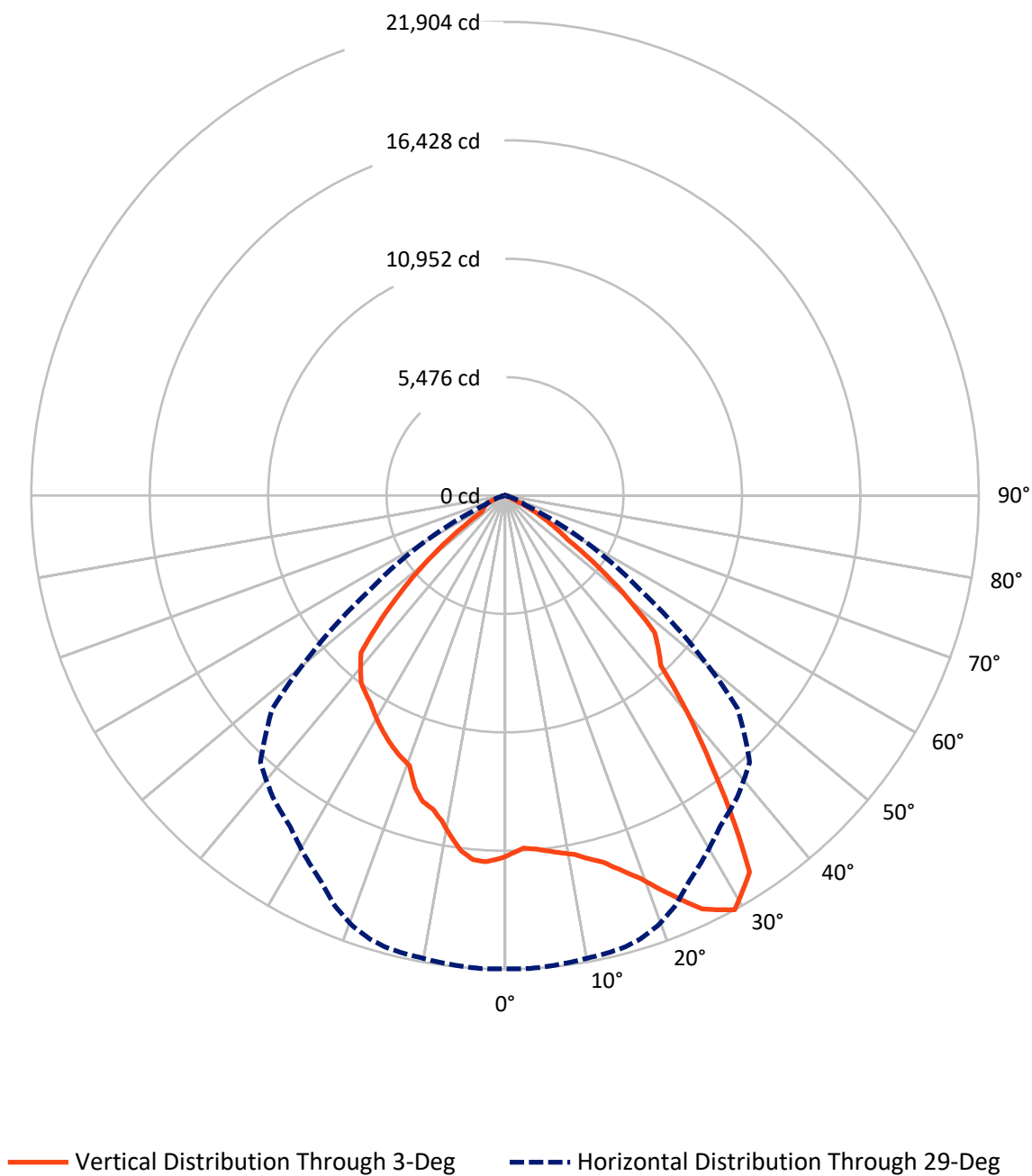
Lumen Table



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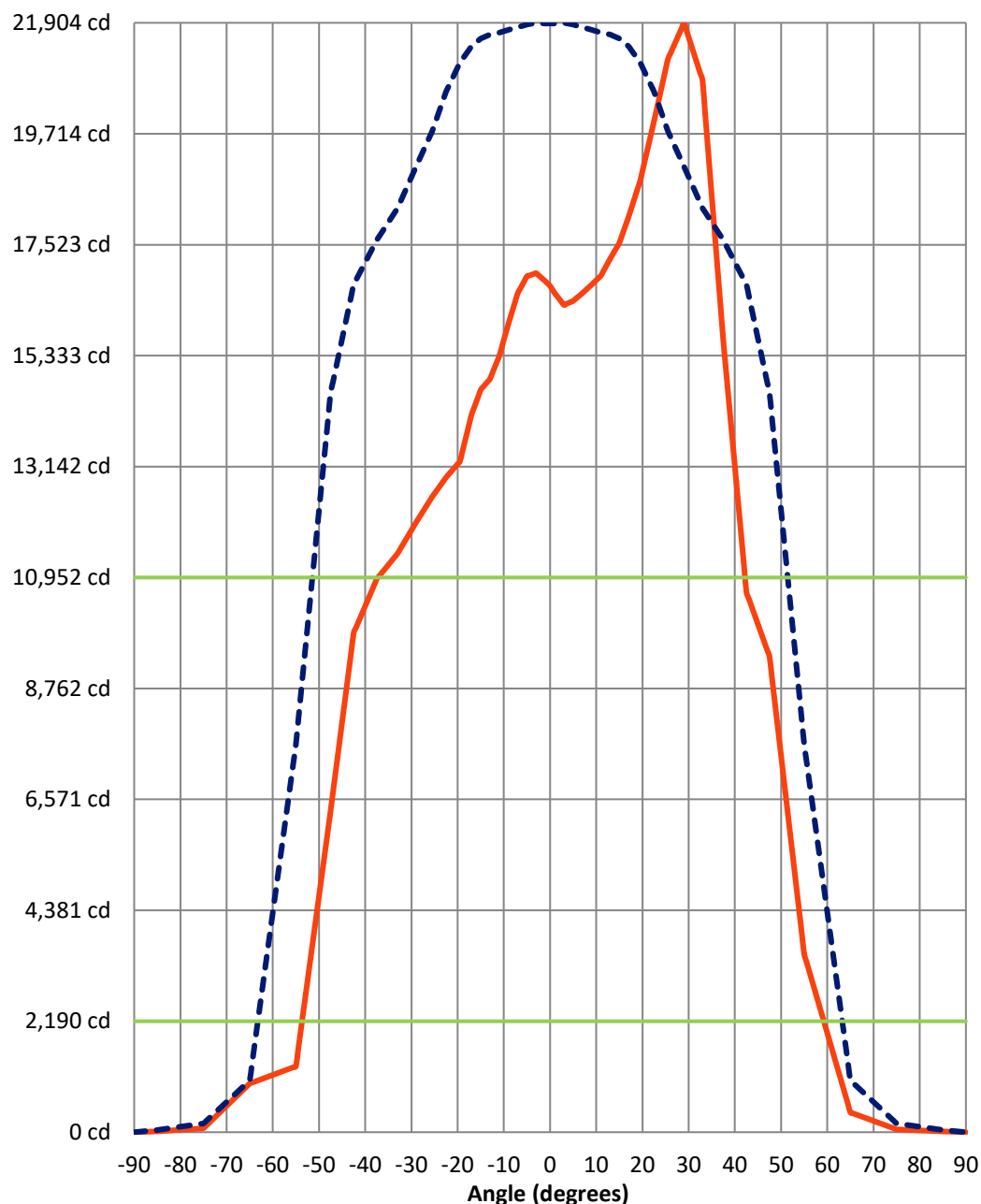
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 102.9°
V Angle: 79.4°
Lumens: 30495.7
Efficiency: 74.3%

Field:
H Angle: 126.5°
V Angle: 112.9°
Lumens: 39664.3
Efficiency: 96.6%

Spill:
Lumens: 1379.7
Efficiency: 3.4%

— Vertical Distribution through 3-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°	0.9	6.9	14.7	34.7	45.1	52.9	58.1	60.7	61.6	61.6	59.0
75°	51.2	52.0	55.5	50.3	39.9	43.4	63.3	72.0	79.8	82.4	78.0
65°	395.4	392.8	390.2	387.6	376.3	359.9	353.8	388.5	476.9	568.8	613.9
55°	3451.1	3439.0	3520.5	3463.2	3576.0	3684.4	3723.4	3734.7	3747.7	3681.8	3592.4
47.5°	9356.1	9437.6	9386.5	9379.5	9320.6	9228.7	9173.2	9083.0	9004.1	8987.6	8717.9
42.5°	10735.7	10699.3	10665.5	10740.9	10697.6	10734.0	10729.6	10637.7	10573.6	10441.8	10310.0
37.5°	15559.5	15586.3	15620.2	15627.1	15647.9	15560.3	15499.6	15435.5	15312.3	15102.5	14801.6
33°	20774.3	20822.0	20764.7	20761.3	20807.2	20786.4	20697.1	20613.9	20430.9	20184.6	19905.4
29°	21892.0	21889.4	21904.1	21869.4	21816.5	21765.4	21709.9	21672.6	21592.8	21439.3	21119.4
25.5°	21148.0	21160.1	21185.3	21165.3	21098.6	21061.3	21013.6	20948.6	20809.8	20645.1	20372.8
22.5°	19902.0	19997.3	19960.0	19934.9	19877.7	19786.6	19804.8	19743.3	19635.7	19467.5	19181.4
19.5°	18745.2	18792.9	18783.4	18714.0	18678.5	18603.9	18569.2	18524.1	18433.1	18329.0	18133.9
17°	18004.7	18093.2	18074.1	18031.6	17976.1	17926.7	17864.2	17826.1	17751.5	17637.1	17400.3
15°	17565.1	17605.0	17558.1	17549.5	17557.3	17459.3	17419.4	17322.3	17298.9	17202.6	16993.7
13°	17194.0	17213.9	17245.1	17195.7	17187.0	17152.3	17069.1	17028.3	16946.8	16907.8	16756.9
11°	16902.6	17038.7	16910.4	16946.0	16906.1	16900.9	16854.1	16831.5	16770.8	16711.0	16618.2
9°	16750.9	16774.3	16733.5	16731.8	16713.6	16680.6	16669.4	16667.6	16655.5	16622.5	16565.3
7°	16565.3	16585.2	16566.2	16547.1	16533.2	16519.3	16558.4	16571.4	16627.7	16580.9	16526.3
5°	16438.7	16419.6	16412.7	16409.2	16443.9	16443.9	16520.2	16563.6	16616.5	16631.2	16560.1
3°	16330.3	16353.7	16332.9	16358.1	16426.6	16463.0	16565.3	16628.6	16663.3	16664.2	16635.5
1°	16498.5	16555.8	16567.0	16584.4	16609.5	16632.1	16708.4	16764.7	16727.5	16729.2	16613.0
0°	16656.4	16678.9	16708.4	16688.4	16721.4	16741.3	16796.0	16807.2	16792.5	16726.6	16570.5
-1°	16822.0	16816.8	16800.3	16796.8	16804.6	16781.2	16811.6	16774.3	16730.1	16671.1	16524.6
-3°	16940.8	16984.1	16960.7	16933.8	16848.9	16848.9	16815.0	16676.3	16616.5	16554.9	16348.5
-5°	16841.0	16896.5	16900.0	16814.2	16682.4	16647.7	16540.2	16456.9	16352.9	16252.3	16044.2
-7°	16619.1	16589.6	16563.6	16452.6	16365.9	16284.4	16141.3	15996.5	15969.6	15874.2	15691.3
-9°	16006.9	16027.7	15966.1	15936.6	15841.3	15735.5	15693.9	15590.7	15536.0	15451.1	15282.8
-11°	15399.0	15315.8	15321.9	15342.7	15275.0	15275.9	15230.8	15168.4	15160.6	15079.9	14937.7
-13°	14919.5	14913.5	14872.7	14907.4	14894.4	14896.1	14853.6	14845.8	14831.1	14775.6	14584.0
-15°	14603.0	14654.2	14659.4	14629.9	14636.8	14620.4	14604.8	14567.5	14556.2	14468.6	14268.3
-17°	14142.6	14159.9	14164.3	14161.7	14140.0	14157.3	14176.4	14161.7	14107.0	14040.3	13879.0
-19.5°	13291.1	13221.7	13246.0	13270.3	13277.2	13276.3	13304.1	13350.9	13307.6	13220.0	13086.5
-22.5°	12987.6	12972.9	12927.8	12942.5	12935.6	12913.9	12913.9	12917.4	12892.2	12800.3	12618.2
-25.5°	12532.4	12553.2	12546.2	12536.7	12535.0	12495.9	12497.7	12503.8	12454.3	12352.9	12189.0
-29°	12030.3	12044.2	12039.0	12015.6	11983.5	11913.3	11883.8	11817.9	11730.3	11673.9	11541.3
-33°	11458.9	11424.2	11425.9	11422.5	11380.0	11339.2	11289.8	11207.4	11117.2	11047.0	10906.5
-37.5°	10920.4	10940.4	10922.1	10928.2	10903.9	10863.2	10819.0	10756.5	10668.1	10566.6	10427.0
-42.5°	9892.0	9877.3	9854.7	9805.3	9785.4	9690.8	9632.7	9634.5	9614.5	9537.4	9404.7
-47.5°	6140.9	6303.9	6341.2	6309.1	6277.9	6264.9	6199.0	6193.8	6199.0	6157.4	6055.0
-55°	1268.6	1264.2	1300.7	1326.7	1380.4	1401.3	1411.7	1373.5	1416.0	1503.6	1546.1
-65°	977.2	973.8	959.9	959.0	946.0	940.8	939.9	931.3	937.3	963.4	992.8
-75°	76.3	76.3	77.2	68.5	63.3	71.1	92.8	99.7	110.1	105.8	117.9
-85°	2.6	7.8	15.6	36.4	46.8	53.8	59.0	61.6	61.6	60.7	59.8
-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°	54.6	51.2	48.6	45.1	39.0	33.0	28.6	24.3	27.7	24.3	29.5
75°	70.2	71.1	89.3	111.9	100.6	67.6	46.8	39.0	51.2	29.5	32.1
65°	535.0	345.1	214.2	161.3	130.9	111.0	136.1	103.2	95.4	47.7	33.8
55°	3371.3	3146.7	2982.0	2772.2	2703.7	2510.3	2030.8	826.4	151.7	77.2	36.4
47.5°	8425.7	8048.5	7622.8	7145.9	6734.9	6166.0	5051.8	2210.3	182.1	99.7	39.0
42.5°	10080.2	9651.0	9393.4	9045.7	8660.7	8533.2	7684.3	3806.6	187.3	113.6	39.9
37.5°	14544.1	14063.7	13402.1	12891.4	12487.3	12429.2	10838.0	5373.5	298.3	130.9	41.6
33°	19369.5	18665.5	17753.2	16965.0	16278.3	15661.8	13279.8	6635.1	694.6	150.9	42.5
29°	20545.3	19766.7	19063.5	18244.9	17613.6	16737.9	14589.2	7660.1	1021.5	172.6	43.4
25.5°	19816.1	19232.5	18548.4	17905.0	17432.4	16821.1	15154.5	8233.2	1285.9	192.5	44.2
22.5°	18740.0	18227.6	17658.7	17249.5	16992.8	16520.2	15111.2	8550.6	1496.6	209.8	45.1
19.5°	17794.9	17437.6	16978.1	16724.9	16613.9	16045.9	14675.0	8868.8	1686.5	228.1	46.0
17°	17141.1	16833.2	16529.8	16410.1	16299.1	15565.5	14277.9	9091.7	1841.7	237.6	46.8
15°	16758.7	16535.8	16318.2	16232.3	16023.4	15143.2	14013.4	9239.9	1950.1	245.4	47.7
13°	16575.7	16429.2	16234.9	16071.9	15715.5	14761.7	13818.3	9414.2	2038.6	252.3	47.7
11°	16475.1	16339.0	16078.9	15837.8	15336.6	14424.4	13703.0	9564.2	2111.4	255.8	48.6
9°	16417.9	16254.0	15936.6	15511.8	15027.0	14131.3	13634.5	9672.6	2172.1	257.5	49.4
7°	16436.1	16167.3	15753.7	15265.5	14745.2	13951.0	13574.6	9751.5	2213.7	256.7	50.3
5°	16430.0	16079.7	15603.7	15103.4	14527.6	13782.7	13528.7	9814.0	2232.8	254.1	51.2
3°	16398.0	16036.4	15469.3	14866.6	14333.4	13648.3	13507.9	9853.9	2250.2	251.5	51.2
1°	16346.8	15931.4	15296.7	14733.1	14197.2	13521.7	13485.3	9870.3	2245.8	248.9	51.2
0°	16295.6	15881.2	15240.4	14663.7	14134.8	13453.2	13452.4	9912.0	2238.0	247.1	51.2
-1°	16212.4	15772.8	15141.5	14560.5	14053.3	13465.4	13454.1	9874.7	2229.3	244.5	52.0
-3°	15984.3	15573.3	14978.5	14406.2	13904.1	13376.9	13424.6	9838.3	2213.7	241.9	52.9
-5°	15725.9	15327.9	14794.7	14226.7	13731.6	13244.3	13357.0	9735.9	2177.3	240.2	52.9
-7°	15397.3	15098.2	14528.5	13977.0	13507.9	13055.2	13229.5	9637.1	2137.4	238.5	53.8
-9°	15060.9	14747.8	14240.6	13691.7	13260.7	12898.3	13055.2	9483.6	2084.5	236.7	53.8
-11°	14717.5	14394.9	13888.5	13378.7	12967.7	12652.0	12871.4	9311.9	2025.6	236.7	54.6
-13°	14306.5	14011.7	13552.1	13093.4	12698.9	12465.6	12673.7	9095.1	1953.6	237.6	54.6
-15°	13990.0	13675.2	13234.7	12805.5	12447.4	12274.0	12443.1	8818.5	1885.1	239.3	55.5
-17°	13612.8	13340.5	12938.2	12537.6	12214.1	12089.3	12212.4	8538.5	1796.7	240.2	55.5
-19.5°	12876.6	12628.6	12373.7	12110.1	11897.6	11857.8	11917.6	8170.8	1677.0	241.9	55.5
-22.5°	12381.5	12130.0	11852.6	11647.9	11502.2	11639.2	11563.8	7660.9	1507.0	244.5	55.5
-25.5°	11975.7	11744.2	11466.7	11269.9	11186.6	11486.6	11238.6	7109.5	1317.1	244.5	55.5
-29°	11349.6	11147.6	10898.7	10712.3	10667.2	11134.6	10608.2	6472.1	1093.4	241.1	55.5
-33°	10663.7	10436.6	10185.1	9986.5	9902.4	10531.9	9568.6	5708.2	814.2	231.5	55.5
-37.5°	10226.7	9972.7	9691.7	9379.5	9189.7	9275.5	8178.6	4612.2	473.4	215.0	54.6
-42.5°	9169.7	9013.6	8667.7	8330.3	7832.6	7236.9	6098.4	3308.0	361.6	195.1	54.6
-47.5°	6062.8	5948.4	5837.4	5625.0	5150.6	4531.5	3808.4	1832.2	344.2	170.8	53.8
-55°	1675.3	1698.7	1799.3	1676.1	1465.4	1284.2	1246.0	559.3	316.5	130.9	51.2
-65°	1051.8	1066.5	869.7	615.6	416.2	318.2	322.6	214.2	210.7	76.3	47.7
-75°	128.3	129.2	108.4	103.2	104.1	118.8	124.0	103.2	83.2	43.4	44.2
-85°	58.1	57.2	55.5	53.8	52.9	50.3	46.8	42.5	39.0	39.9	39.9
-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)