

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: P507773

Luminaire Tested: **UFLD-CA2-120-730-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-281-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-CA2-120-730-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

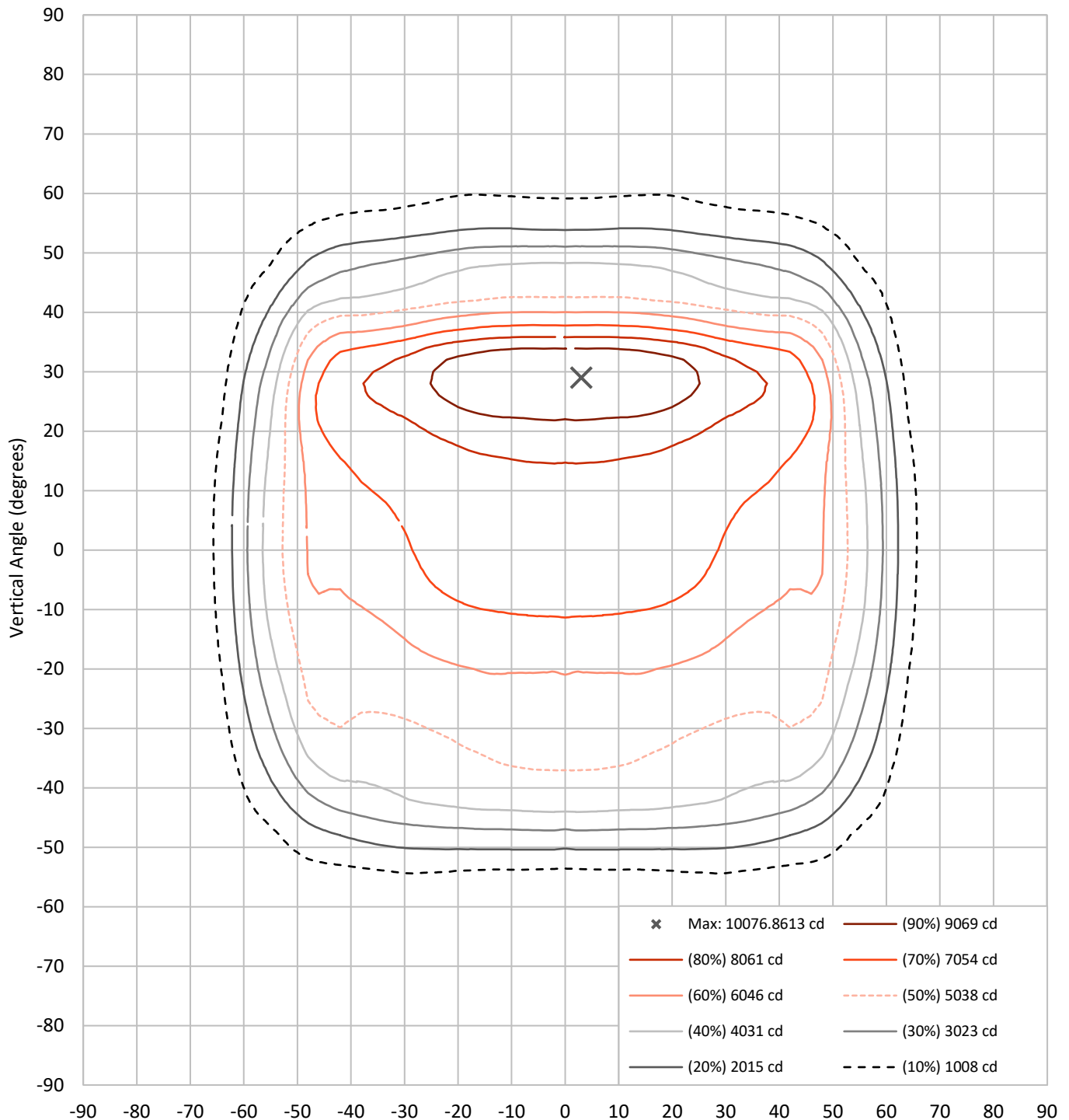
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18882 lumens	Max Intensity:	10076.9 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	152.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' 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:	14029.3 lumens	Field Lumens:	18247.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	123.9		
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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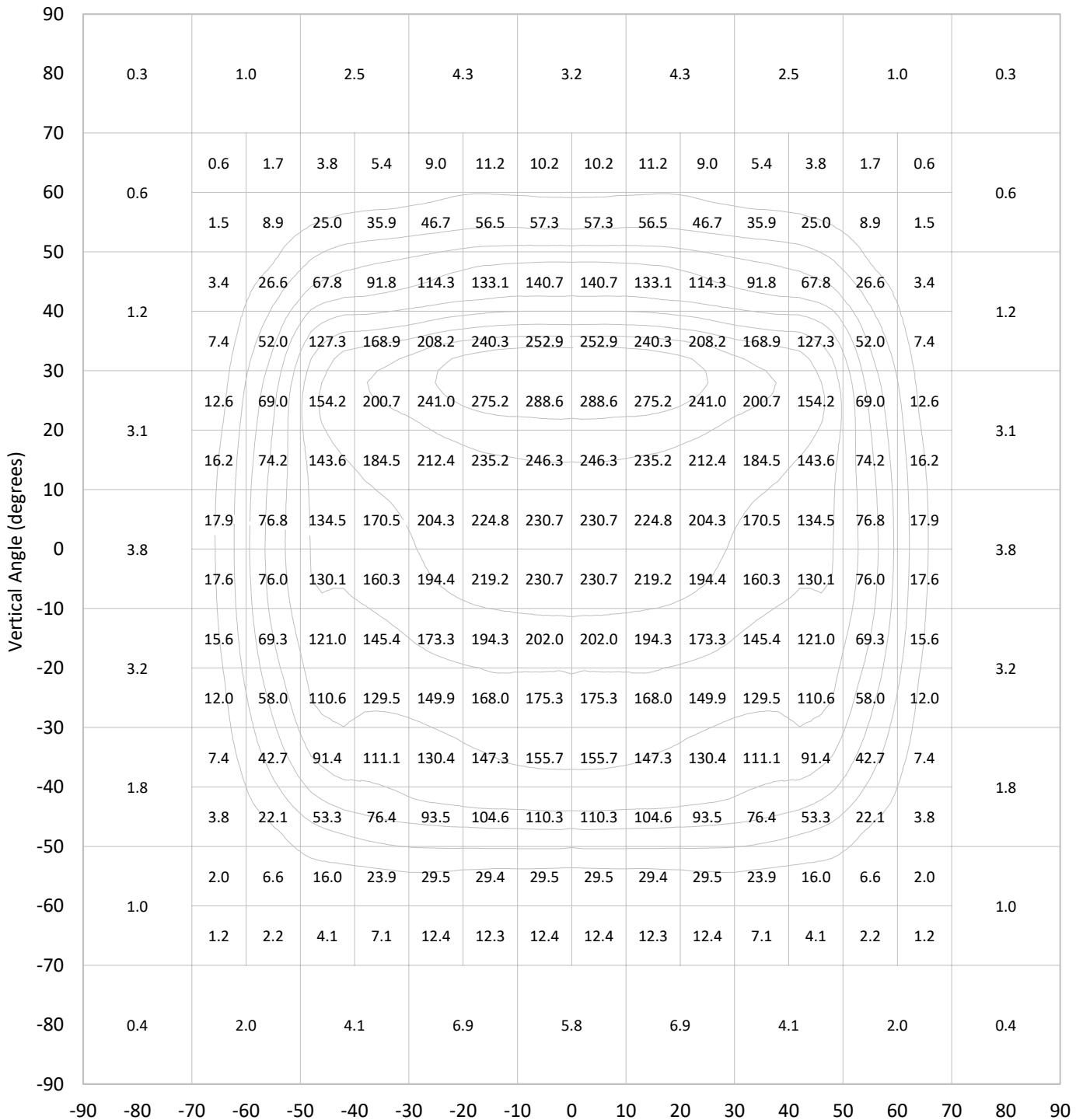
### Iso-Candela Plot





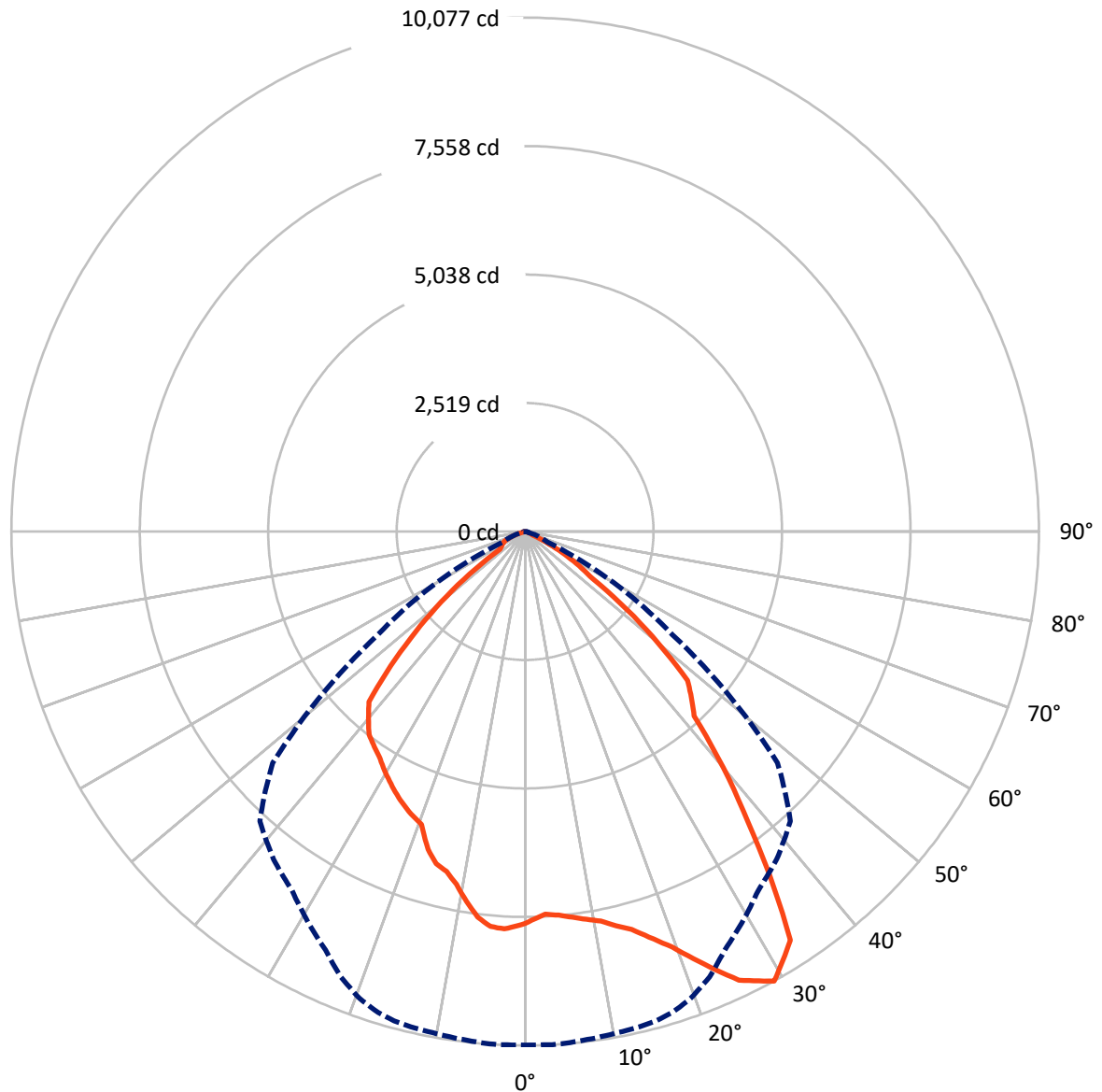
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### Lumen Table



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### Luminous Intensity Polar Plot

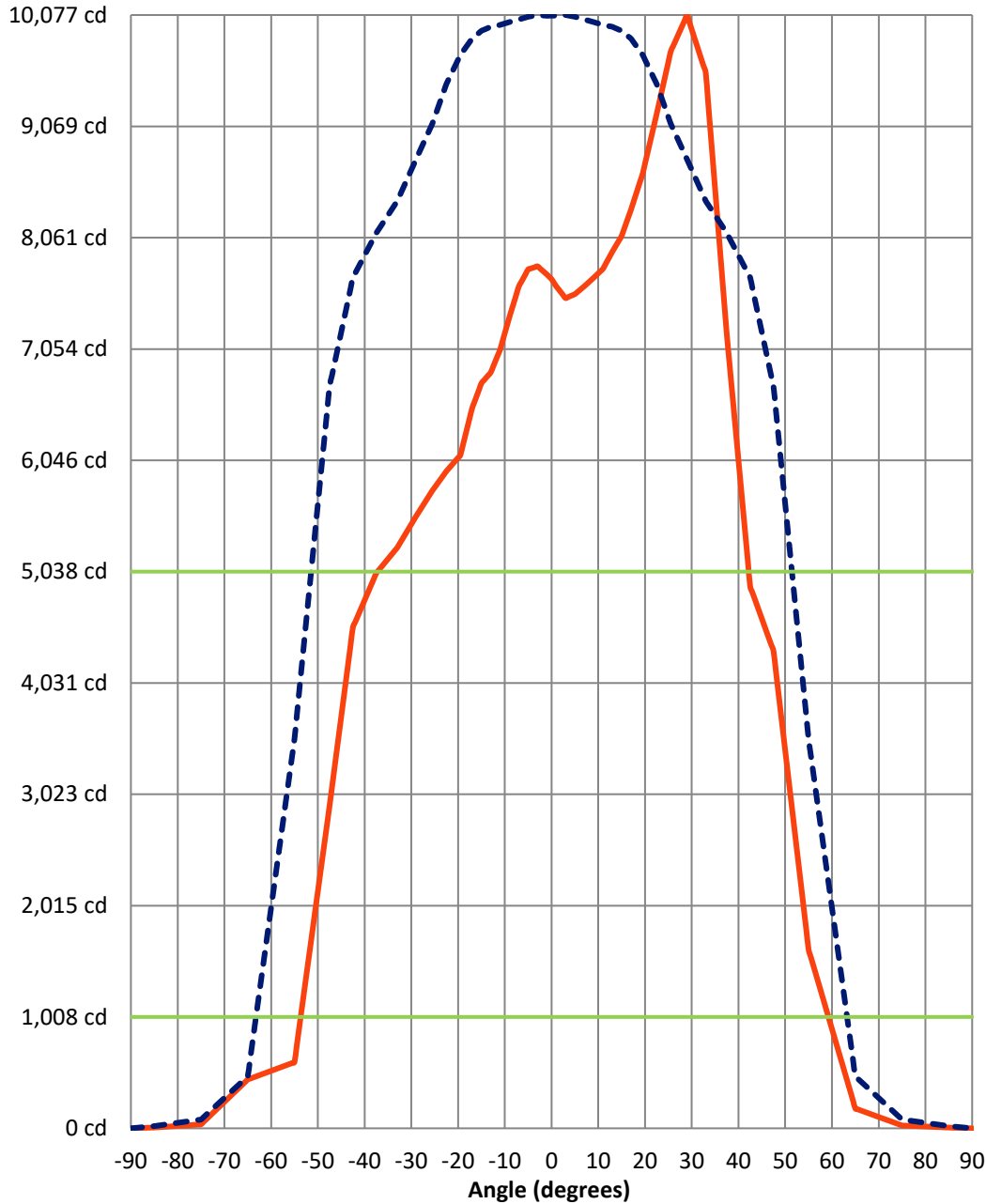


— Vertical Distribution Through 3-Deg      - - - Horizontal Distribution Through 29-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 14029.3  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 18247.3  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 634.7  
 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°	0.4	3.2	6.8	16.0	20.7	24.3	26.8	27.9	28.4	28.4	27.1
75°	23.5	23.9	25.5	23.2	18.3	20.0	29.1	33.1	36.7	37.9	35.9
65°	181.9	180.7	179.6	178.3	173.1	165.6	162.7	178.7	219.4	261.7	282.4
55°	1587.6	1582.0	1619.6	1593.2	1645.1	1694.9	1712.9	1718.1	1724.1	1693.8	1652.7
47.5°	4304.2	4341.7	4318.2	4315.0	4287.8	4245.6	4220.0	4178.5	4142.2	4134.7	4010.6
42.5°	4938.9	4922.2	4906.6	4941.3	4921.3	4938.1	4936.1	4893.8	4864.3	4803.6	4743.0
37.5°	7158.0	7170.3	7185.9	7189.2	7198.7	7158.4	7130.5	7100.9	7044.3	6947.8	6809.3
33°	9557.0	9579.0	9552.7	9551.1	9572.2	9562.6	9521.6	9483.3	9399.1	9285.8	9157.3
29°	10071.3	10070.1	10076.9	10060.9	10036.6	10013.0	9987.5	9970.3	9933.6	9863.0	9715.9
25.5°	9729.0	9734.6	9746.1	9736.9	9706.2	9689.1	9667.2	9637.2	9573.4	9497.6	9372.4
22.5°	9155.7	9199.6	9182.5	9170.9	9144.6	9102.7	9111.1	9082.7	9033.3	8955.9	8824.2
19.5°	8623.6	8645.5	8641.2	8609.2	8592.9	8558.5	8542.7	8521.9	8480.0	8432.1	8342.4
17°	8282.9	8323.6	8314.9	8295.3	8269.8	8247.0	8218.4	8200.8	8166.4	8113.8	8004.9
15°	8080.7	8099.0	8077.5	8073.5	8077.1	8032.0	8013.6	7969.0	7958.2	7914.0	7817.8
13°	7909.9	7919.1	7933.5	7910.8	7906.8	7890.8	7852.5	7833.8	7796.3	7778.3	7708.9
11°	7775.9	7838.5	7779.5	7795.9	7777.5	7775.1	7753.6	7743.2	7715.3	7687.7	7645.1
9°	7706.2	7716.8	7698.1	7697.4	7689.0	7673.8	7668.6	7667.8	7662.2	7647.1	7620.8
7°	7620.8	7630.0	7621.2	7612.4	7606.0	7599.6	7617.6	7623.5	7649.4	7628.0	7602.8
5°	7562.5	7553.7	7550.5	7548.9	7564.9	7564.9	7600.0	7619.9	7644.3	7651.0	7618.3
3°	7512.6	7523.4	7513.8	7525.4	7557.0	7573.7	7620.8	7649.9	7665.8	7666.3	7653.0
1°	7590.1	7616.3	7621.5	7629.5	7641.1	7651.5	7686.6	7712.5	7695.4	7696.1	7642.7
0°	7662.7	7673.0	7686.6	7677.4	7692.5	7701.7	7726.9	7732.1	7725.3	7694.9	7623.1
-1°	7738.8	7736.4	7728.9	7727.2	7730.8	7720.1	7734.1	7716.8	7696.5	7669.4	7602.0
-3°	7793.4	7813.4	7802.6	7790.3	7751.2	7751.2	7735.7	7671.8	7644.3	7616.0	7521.0
-5°	7747.6	7773.1	7774.7	7735.2	7674.6	7658.6	7609.2	7570.9	7523.0	7476.8	7381.0
-7°	7645.5	7631.9	7619.9	7568.9	7529.0	7491.5	7425.7	7359.1	7346.7	7302.8	7218.7
-9°	7363.9	7373.4	7345.1	7331.5	7287.7	7239.0	7219.9	7172.4	7147.3	7108.1	7030.8
-11°	7084.2	7045.9	7048.7	7058.3	7027.2	7027.6	7006.9	6978.1	6974.5	6937.5	6872.0
-13°	6863.6	6860.9	6842.1	6858.0	6852.1	6852.8	6833.3	6829.8	6823.0	6797.4	6709.2
-15°	6718.0	6741.5	6743.9	6730.4	6733.6	6726.0	6718.9	6701.6	6696.4	6656.2	6564.1
-17°	6506.2	6514.1	6516.1	6515.0	6505.0	6513.0	6521.7	6515.0	6489.8	6459.1	6384.9
-19.5°	6114.5	6082.5	6093.8	6104.9	6108.0	6107.7	6120.4	6142.0	6122.0	6081.8	6020.3
-22.5°	5974.8	5968.1	5947.3	5954.1	5950.9	5941.0	5941.0	5942.6	5931.0	5888.7	5804.9
-25.5°	5765.4	5775.0	5771.8	5767.4	5766.6	5748.7	5749.5	5752.2	5729.6	5682.8	5607.5
-29°	5534.5	5540.8	5538.5	5527.7	5512.9	5480.6	5467.1	5436.7	5396.5	5370.5	5309.5
-33°	5271.5	5255.7	5256.4	5254.8	5235.2	5216.5	5193.8	5155.9	5114.4	5082.1	5017.5
-37.5°	5023.8	5033.0	5024.7	5027.4	5016.3	4997.5	4977.2	4948.5	4907.8	4861.1	4796.9
-42.5°	4550.8	4544.0	4533.6	4510.9	4501.7	4458.2	4431.5	4432.3	4423.1	4387.6	4326.6
-47.5°	2825.1	2900.1	2917.2	2902.5	2888.1	2882.1	2851.8	2849.4	2851.8	2832.7	2785.6
-55°	583.6	581.6	598.3	610.3	635.1	644.7	649.4	631.9	651.5	691.7	711.2
-65°	449.6	448.0	441.6	441.2	435.2	432.9	432.4	428.4	431.3	443.2	456.8
-75°	35.1	35.1	35.5	31.5	29.1	32.7	42.6	45.9	50.7	48.7	54.3
-85°	1.2	3.6	7.2	16.7	21.6	24.8	27.1	28.4	28.4	27.9	27.5
-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°	25.2	23.5	22.3	20.7	18.0	15.1	13.1	11.2	12.8	11.2	13.5
75°	32.3	32.7	41.1	51.4	46.2	31.1	21.6	18.0	23.5	13.5	14.8
65°	246.1	158.8	98.5	74.2	60.2	51.1	62.6	47.5	43.9	21.9	15.6
55°	1550.9	1447.7	1371.9	1275.3	1243.8	1154.9	934.3	380.2	69.8	35.5	16.7
47.5°	3876.2	3702.6	3506.8	3287.4	3098.4	2836.6	2324.1	1016.8	83.8	45.9	18.0
42.5°	4637.3	4439.9	4321.4	4161.4	3984.3	3925.7	3535.1	1751.2	86.1	52.3	18.3
37.5°	6690.9	6469.9	6165.5	5930.6	5744.7	5717.9	4986.0	2472.1	137.2	60.2	19.2
33°	8910.8	8586.9	8167.3	7804.7	7488.7	7205.1	6109.3	3052.4	319.5	69.4	19.6
29°	9451.8	9093.5	8770.0	8393.5	8103.0	7700.1	6711.7	3523.9	469.9	79.4	20.0
25.5°	9116.2	8847.8	8533.0	8237.1	8019.7	7738.4	6971.7	3787.7	591.6	88.6	20.3
22.5°	8621.2	8385.4	8123.8	7935.5	7817.5	7600.0	6951.7	3933.6	688.5	96.5	20.7
19.5°	8186.4	8022.1	7810.6	7694.2	7643.1	7381.9	6751.1	4080.0	775.9	105.0	21.2
17°	7885.6	7744.0	7604.4	7549.3	7498.2	7160.8	6568.4	4182.6	847.3	109.3	21.6
15°	7709.7	7607.2	7507.0	7467.6	7371.4	6966.6	6446.7	4250.8	897.1	112.9	21.9
13°	7625.5	7558.1	7468.7	7393.8	7229.8	6791.0	6357.0	4330.9	937.9	116.1	21.9
11°	7579.3	7516.7	7397.0	7286.1	7055.5	6635.8	6304.0	4400.0	971.3	117.7	22.3
9°	7552.9	7477.5	7331.5	7136.1	6913.1	6501.0	6272.5	4449.8	999.2	118.5	22.7
7°	7561.3	7437.6	7247.4	7022.7	6783.4	6418.1	6245.0	4486.1	1018.4	118.1	23.2
5°	7558.6	7397.4	7178.4	6948.2	6683.3	6340.6	6223.8	4514.8	1027.2	116.9	23.5
3°	7543.7	7377.4	7116.5	6839.3	6593.9	6278.8	6214.2	4533.2	1035.2	115.6	23.5
1°	7520.2	7329.2	7037.1	6777.9	6531.4	6220.6	6203.8	4540.8	1033.2	114.5	23.5
0°	7496.7	7306.0	7011.2	6746.0	6502.6	6189.1	6188.7	4560.0	1029.6	113.7	23.5
-1°	7458.4	7256.2	6965.7	6698.4	6465.1	6194.7	6189.5	4542.7	1025.6	112.5	23.9
-3°	7353.5	7164.4	6890.7	6627.4	6396.5	6154.0	6175.9	4526.0	1018.4	111.3	24.3
-5°	7234.6	7051.5	6806.2	6544.9	6317.1	6092.9	6144.8	4478.9	1001.7	110.5	24.3
-7°	7083.4	6945.8	6683.7	6430.0	6214.2	6005.9	6086.1	4433.4	983.3	109.7	24.8
-9°	6928.7	6784.7	6551.3	6298.8	6100.5	5933.8	6005.9	4362.9	958.9	108.9	24.8
-11°	6770.7	6622.3	6389.3	6154.8	5965.7	5820.5	5921.4	4283.9	931.8	108.9	25.2
-13°	6581.6	6446.0	6234.6	6023.5	5842.0	5734.8	5830.4	4184.1	898.7	109.3	25.2
-15°	6436.0	6291.2	6088.6	5891.1	5726.3	5646.5	5724.4	4056.9	867.2	110.1	25.5
-17°	6262.5	6137.2	5952.1	5767.9	5619.0	5561.5	5618.3	3928.1	826.6	110.5	25.5
-19.5°	5923.8	5809.7	5692.4	5571.2	5473.4	5455.1	5482.6	3758.9	771.4	111.3	25.5
-22.5°	5696.0	5580.4	5452.7	5358.5	5291.5	5354.6	5319.9	3524.3	693.3	112.5	25.5
-25.5°	5509.3	5402.8	5275.1	5184.7	5146.4	5284.3	5170.3	3270.6	606.0	112.5	25.5
-29°	5221.3	5128.4	5013.9	4928.1	4907.3	5122.3	4880.3	2977.4	503.0	110.9	25.5
-33°	4905.8	4801.2	4685.6	4594.3	4555.5	4845.1	4402.0	2626.0	374.6	106.5	25.5
-37.5°	4704.7	4587.8	4458.6	4315.0	4227.6	4267.1	3762.5	2121.8	217.8	98.9	25.2
-42.5°	4218.4	4146.7	3987.5	3832.3	3603.4	3329.3	2805.5	1521.8	166.3	89.7	25.2
-47.5°	2789.2	2736.5	2685.5	2587.7	2369.6	2084.7	1752.0	842.9	158.4	78.6	24.8
-55°	770.7	781.5	827.7	771.1	674.2	590.8	573.3	257.3	145.6	60.2	23.5
-65°	483.9	490.6	400.1	283.2	191.5	146.4	148.4	98.5	96.9	35.1	21.9
-75°	59.0	59.5	49.8	47.5	47.8	54.7	57.0	47.5	38.3	20.0	20.3
-85°	26.8	26.3	25.5	24.8	24.3	23.2	21.6	19.6	18.0	18.3	18.3
-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)







Horizontal Angle (degrees)



Horizontal Angle (degrees)

