

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: P598831

Luminaire Tested: **IFLD-S-SA6C-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598831
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

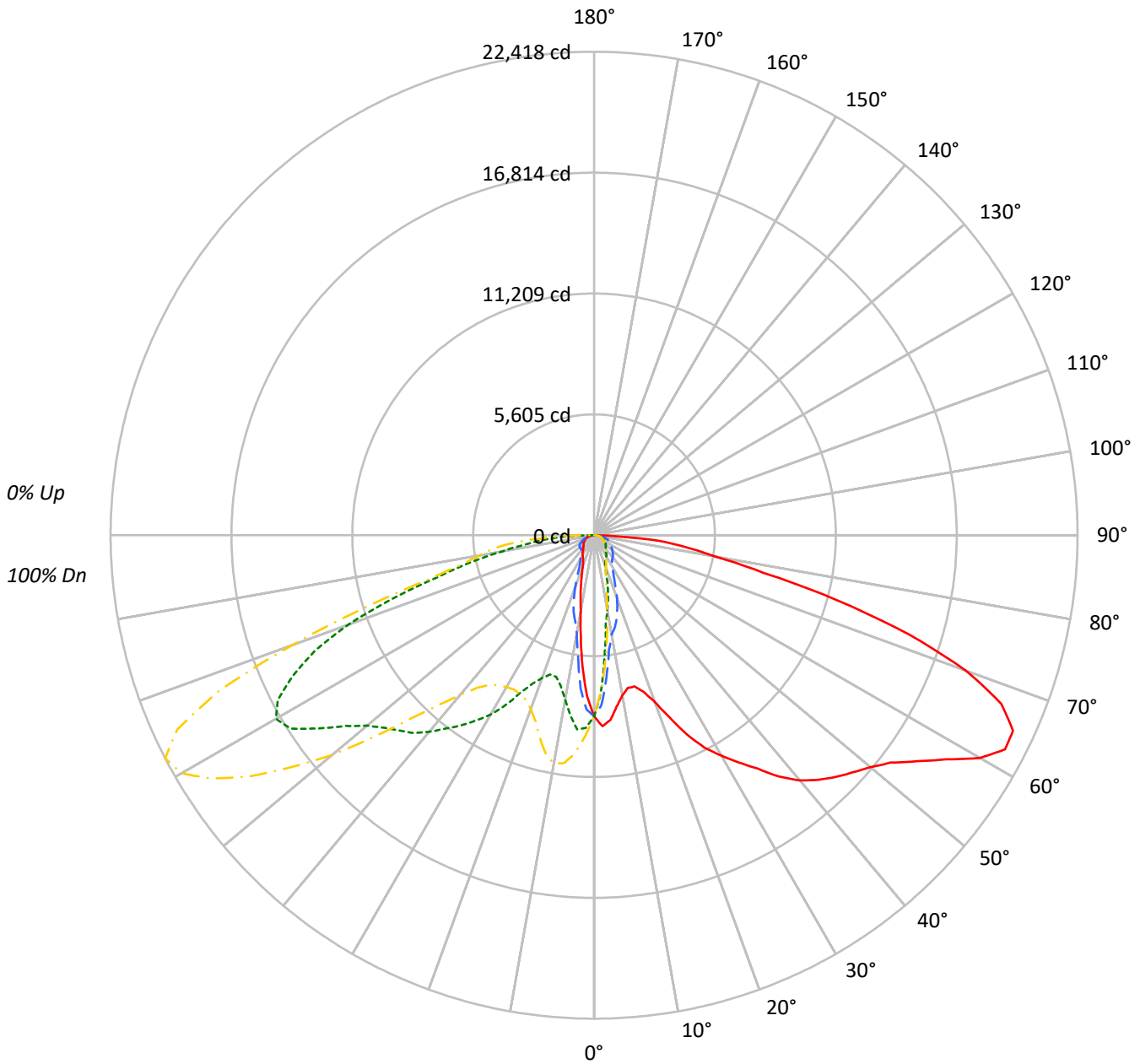
Lumens per Lamp: N/A
 Luminaire Lumens: 28083.6 lumens
 Efficiency: N/A
 Efficacy: 87.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	60200	60200	60200	60200
5°	61953	40286	44010	65084
10°	54964	25599	25855	56249
15°	53943	18156	17195	50452
20°	62717	11485	11575	53745
25°	80657	9861	9582	63539
30°	97746	9346	8762	79540
35°	115691	8235	7925	94282
40°	139009	7814	7265	111384
45°	160851	7750	7035	129849
50°	186784	7870	7083	153336
55°	228579	8085	7203	195357
60°	296445	8094	7588	244339
65°	363893	8179	7780	261547
70°	385057	8627	8134	254651
75°	324133	9122	8143	207835
80°	235488	10682	8253	179650
85°	249589	15479	6768	186702

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.3	2.3
10°-20°	1358.8	4.8
20°-30°	1958.1	7.0
30°-40°	2818.9	10.0
40°-50°	4004.1	14.3
50°-60°	5756.8	20.5
60°-70°	6651.0	23.7
70°-80°	3765.9	13.4
80°-90°	1120.7	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3966.2	14.1
0°-40°	6785.1	24.2
0°-60°	16546.0	58.9
0°-90°	28083.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28083.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8389	8389	8389	8389	8389	
5°	8601	5593	6110	9035	8601	780
15°	7261	2444	2315	6791	7261	2135
25°	10187	1245	1210	8025	10187	4728
35°	13206	940	905	10762	13206	8381
45°	15850	764	693	12795	15850	12273
55°	18270	646	576	15615	18270	16547
65°	21431	482	458	15404	21431	20551
75°	11691	329	294	7496	11691	12404
85°	3031	188	82	2268	3031	3019
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1
2.5°	8859.1	8847.3	8776.8	8553.6	8318.6	8095.4	7883.9	7660.6	7543.1	7402.1	7343.4
5°	8600.6	8577.1	8377.3	7883.9	7449.1	6979.2	6579.7	6262.4	6004.0	5745.5	5651.5
7.5°	8013.1	7977.9	7742.9	7061.4	6426.9	5816.0	5334.2	4923.0	4582.3	4429.5	4253.3
10°	7543.1	7484.4	7178.9	6426.9	5604.5	4993.5	4676.3	4394.3	4100.5	3853.8	3595.3
12.5°	7249.4	7178.9	6861.7	5980.5	5181.5	4723.3	4394.3	4077.1	3712.8	3407.3	3125.3
15°	7261.1	7178.9	6791.2	5863.0	5075.8	4488.3	4030.1	3595.3	3172.3	2831.6	2514.4
17.5°	7601.9	7496.1	7084.9	6027.5	4993.5	4182.8	3571.8	3007.9	2526.1	2161.9	1903.4
20°	8212.8	8142.4	7672.4	6274.2	4911.3	3853.8	3101.8	2420.4	1915.2	1633.2	1527.4
22.5°	9129.3	9047.1	8541.8	6650.2	4887.8	3560.1	2596.6	1903.4	1539.2	1421.7	1362.9
25°	10186.8	10034.0	9564.0	7284.6	4934.8	3289.8	2185.4	1574.4	1374.7	1292.4	1257.2
27.5°	11103.2	11009.2	10480.5	7883.9	4958.3	3078.3	1903.4	1433.4	1280.7	1210.2	1186.7
30°	11796.4	11761.2	11244.2	8541.8	4899.5	2819.9	1727.2	1374.7	1280.7	1210.2	1139.7
32.5°	12489.6	12501.4	11949.2	9047.1	4817.3	2596.6	1562.7	1221.9	1127.9	1080.9	1092.7
35°	13206.4	13265.1	12795.1	9540.5	4641.0	2514.4	1445.2	1139.7	1057.4	987.0	951.7
37.5°	14111.1	14263.8	13805.6	10092.8	4464.8	2443.9	1386.4	1080.9	998.7	940.0	893.0
40°	14839.5	15121.5	14851.3	10609.7	4347.3	2361.6	1339.4	1022.2	963.5	893.0	857.7
42.5°	15380.0	15709.0	15615.0	11009.2	4347.3	2279.4	1292.4	987.0	940.0	857.7	810.7
45°	15850.0	16190.7	16179.0	11420.4	4441.3	2232.4	1233.7	987.0	916.5	834.2	787.2
47.5°	16273.0	16613.7	16731.2	11937.4	4594.0	2208.9	1163.2	963.5	916.5	822.5	752.0
50°	16731.2	17107.2	17459.6	12759.9	4782.0	2150.1	1116.2	928.2	928.2	810.7	728.5
52.5°	17318.7	17741.6	18387.9	13782.1	4970.0	2044.4	1045.7	904.7	928.2	799.0	705.0
55°	18270.4	18622.8	19468.8	15004.0	5205.0	1915.2	987.0	846.0	881.2	763.7	669.7
57.5°	19339.6	19645.0	20350.0	15944.0	5275.5	1750.7	904.7	787.2	846.0	728.5	622.7
60°	20655.5	20808.2	20808.2	16214.2	5040.5	1597.9	846.0	740.2	763.7	693.2	587.5
62.5°	21489.7	21489.7	20808.2	15720.7	4594.0	1468.7	799.0	693.2	669.7	646.2	552.2
65°	21431.0	21337.0	20326.5	14287.3	4077.1	1386.4	752.0	634.5	599.2	587.5	517.0
67.5°	20444.0	20279.5	18904.8	12266.4	3536.6	1351.2	705.0	575.7	552.2	528.7	470.0
70°	18352.6	17929.6	16237.7	9869.5	3007.9	1327.7	693.2	528.7	505.2	481.7	434.7
72.5°	15321.3	14780.8	12677.6	7590.1	2526.1	1245.4	658.0	470.0	458.2	434.7	387.7
75°	11690.7	10692.0	8847.3	5804.2	1962.2	1080.9	564.0	411.2	411.2	399.5	352.5
77.5°	8060.1	7543.1	6168.4	4288.5	1433.4	834.2	458.2	364.2	364.2	376.0	329.0
80°	5698.5	5216.7	4394.3	3078.3	904.7	564.0	352.5	305.5	340.7	364.2	305.5
82.5°	4359.0	4006.6	3266.3	2244.1	528.7	387.7	270.2	246.7	293.7	317.2	258.5
85°	3031.4	2608.4	1656.7	1503.9	305.5	235.0	199.7	199.7	258.5	317.2	235.0
87.5°	857.7	364.2	105.7	446.5	129.2	94.0	70.5	47.0	70.5	70.5	47.0
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1
2.5°	7284.6	7214.1	7214.1	7190.6	7202.4	7214.1	7202.4	7284.6	7319.9	7366.9	7460.9
5°	5592.7	5686.7	5616.2	5686.7	5780.7	5921.7	5957.0	6062.7	6074.5	6156.7	6109.7
7.5°	4147.5	4135.8	4077.1	4159.3	4417.8	4617.5	4711.5	4770.3	4782.0	4782.0	4723.3
10°	3513.1	3407.3	3301.6	3242.8	3266.3	3477.8	3548.3	3583.6	3560.1	3595.3	3548.3
12.5°	3007.9	2913.9	2761.1	2655.4	2584.9	2643.6	2714.1	2749.4	2772.9	2831.6	2878.6
15°	2443.9	2349.9	2255.9	2197.1	2138.4	2091.4	2150.1	2185.4	2244.1	2291.1	2314.6
17.5°	1856.4	1809.4	1762.4	1797.7	1797.7	1774.2	1797.7	1809.4	1832.9	1868.2	1856.4
20°	1503.9	1492.2	1480.4	1539.2	1586.2	1586.2	1609.7	1574.4	1562.7	1527.4	1515.7
22.5°	1339.4	1339.4	1351.2	1398.2	1445.2	1468.7	1468.7	1409.9	1351.2	1327.7	1339.4
25°	1245.4	1245.4	1280.7	1292.4	1315.9	1315.9	1327.7	1268.9	1233.7	1198.4	1210.2
27.5°	1174.9	1174.9	1186.7	1186.7	1198.4	1198.4	1210.2	1186.7	1139.7	1127.9	1127.9
30°	1127.9	1127.9	1116.2	1116.2	1116.2	1116.2	1127.9	1092.7	1069.2	1057.4	1057.4
32.5°	1080.9	1069.2	1057.4	1057.4	1045.7	1045.7	1057.4	1022.2	1010.5	1010.5	1010.5
35°	940.0	928.2	940.0	963.5	963.5	975.2	975.2	963.5	940.0	916.5	904.7
37.5°	881.2	869.5	869.5	869.5	893.0	904.7	916.5	893.0	857.7	822.5	822.5
40°	834.2	834.2	822.5	822.5	822.5	846.0	869.5	834.2	787.2	775.5	775.5
42.5°	799.0	787.2	775.5	763.7	752.0	787.2	810.7	763.7	740.2	740.2	740.2
45°	763.7	752.0	740.2	728.5	716.7	728.5	752.0	705.0	693.2	693.2	693.2
47.5°	728.5	716.7	693.2	681.5	669.7	669.7	693.2	658.0	646.2	658.0	658.0
50°	705.0	681.5	658.0	646.2	634.5	634.5	634.5	622.7	622.7	622.7	634.5
52.5°	681.5	658.0	622.7	611.0	599.2	599.2	599.2	599.2	587.5	599.2	611.0
55°	646.2	622.7	599.2	587.5	575.7	564.0	575.7	564.0	564.0	575.7	575.7
57.5°	599.2	575.7	552.2	552.2	540.5	540.5	552.2	540.5	540.5	552.2	552.2
60°	564.0	540.5	517.0	517.0	505.2	517.0	528.7	517.0	517.0	517.0	528.7
62.5°	517.0	505.2	481.7	481.7	481.7	481.7	493.5	481.7	493.5	493.5	493.5
65°	481.7	458.2	446.5	446.5	446.5	446.5	470.0	446.5	458.2	458.2	458.2
67.5°	446.5	423.0	411.2	411.2	411.2	411.2	434.7	411.2	423.0	434.7	423.0
70°	411.2	387.7	376.0	376.0	376.0	376.0	387.7	376.0	376.0	387.7	387.7
72.5°	364.2	352.5	340.7	340.7	329.0	340.7	352.5	340.7	340.7	340.7	340.7
75°	329.0	317.2	317.2	305.5	305.5	305.5	317.2	293.7	293.7	293.7	293.7
77.5°	305.5	282.0	282.0	282.0	270.2	282.0	270.2	246.7	246.7	246.7	246.7
80°	258.5	235.0	246.7	246.7	235.0	235.0	223.2	199.7	199.7	199.7	199.7
82.5°	211.5	188.0	199.7	199.7	199.7	199.7	176.2	164.5	152.7	141.0	141.0
85°	188.0	152.7	176.2	176.2	164.5	164.5	117.5	117.5	94.0	94.0	82.2
87.5°	35.2	23.5	47.0	58.7	58.7	70.5	47.0	58.7	35.2	23.5	23.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1
2.5°	7449.1	7578.4	7754.6	7883.9	8083.6	8236.3	8471.3	8671.1	8859.1	8941.3	9023.6
5°	6250.7	6332.9	6603.2	6814.7	7131.9	7472.6	7895.6	8353.8	8823.8	9035.3	9282.0
7.5°	4676.3	4829.0	4981.8	5287.2	5675.0	6227.2	6767.7	7449.1	8107.1	8424.3	8847.3
10°	3630.6	3748.1	3924.3	4241.5	4605.8	5064.0	5710.2	6520.9	7308.1	7719.4	8154.1
12.5°	2913.9	3078.3	3313.3	3642.3	4065.3	4535.3	5005.3	5757.2	6673.7	7143.7	7637.1
15°	2361.6	2490.9	2749.4	3160.6	3654.1	4135.8	4629.3	5252.0	6250.7	6791.2	7378.6
17.5°	1879.9	1973.9	2208.9	2620.1	3113.6	3654.1	4218.0	5005.3	6109.7	6767.7	7460.9
20°	1527.4	1597.9	1750.7	2056.1	2526.1	3113.6	3818.6	4770.3	6191.9	7037.9	7883.9
22.5°	1339.4	1362.9	1433.4	1597.9	1985.7	2608.4	3454.3	4570.5	6344.7	7437.4	8577.1
25°	1210.2	1233.7	1257.2	1362.9	1586.2	2173.6	3137.1	4453.0	6673.7	8024.9	9376.0
27.5°	1127.9	1151.4	1163.2	1210.2	1362.9	1856.4	2866.9	4382.5	7120.2	8882.6	10363.0
30°	1057.4	1057.4	1092.7	1163.2	1268.9	1633.2	2631.9	4218.0	7590.1	9599.3	11138.5
32.5°	998.7	1010.5	1057.4	1092.7	1163.2	1445.2	2396.9	4006.6	8013.1	10186.8	11902.2
35°	893.0	893.0	904.7	963.5	1057.4	1292.4	2185.4	3795.1	8248.1	10762.5	12583.6
37.5°	822.5	834.2	857.7	904.7	987.0	1186.7	2009.2	3560.1	8494.8	11302.9	13382.6
40°	775.5	787.2	810.7	857.7	940.0	1092.7	1856.4	3372.1	8753.3	11890.4	14240.3
42.5°	740.2	752.0	775.5	822.5	893.0	1069.2	1691.9	3219.3	8906.1	12430.9	15051.0
45°	705.0	716.7	752.0	799.0	857.7	1045.7	1597.9	3113.6	8964.8	12795.1	15697.2
47.5°	669.7	681.5	716.7	787.2	857.7	1010.5	1562.7	3054.9	9011.8	13206.4	16214.2
50°	634.5	658.0	705.0	775.5	869.5	963.5	1539.2	3043.1	9282.0	13735.1	16707.7
52.5°	611.0	646.2	693.2	775.5	857.7	893.0	1527.4	3078.3	9822.5	14522.3	17412.6
55°	587.5	622.7	669.7	775.5	822.5	834.2	1468.7	3137.1	10645.0	15615.0	18411.3
57.5°	564.0	587.5	646.2	752.0	775.5	787.2	1351.2	3219.3	11467.4	16684.2	19433.5
60°	528.7	552.2	611.0	752.0	705.0	740.2	1198.4	3242.8	12054.9	17024.9	19527.5
62.5°	493.5	517.0	575.7	775.5	646.2	693.2	1069.2	3160.6	12172.4	16531.4	18998.8
65°	458.2	481.7	528.7	646.2	599.2	646.2	987.0	2937.4	11784.7	15403.5	18035.4
67.5°	423.0	446.5	481.7	528.7	540.5	587.5	951.7	2584.9	10809.5	14005.3	16719.4
70°	376.0	399.5	434.7	470.0	481.7	552.2	893.0	2244.1	9235.0	12137.2	15109.8
72.5°	340.7	352.5	387.7	411.2	434.7	505.2	857.7	1962.2	7061.4	9822.5	12325.1
75°	293.7	293.7	329.0	352.5	376.0	446.5	787.2	1633.2	4981.8	7496.1	9058.8
77.5°	246.7	246.7	270.2	293.7	317.2	387.7	669.7	1327.7	3454.3	5945.2	6567.9
80°	188.0	188.0	211.5	235.0	258.5	329.0	540.5	975.2	2138.4	4347.3	4782.0
82.5°	129.2	129.2	164.5	176.2	188.0	258.5	411.2	669.7	1257.2	3137.1	3419.1
85°	70.5	70.5	94.0	105.7	129.2	188.0	305.5	470.0	752.0	2267.6	2279.4
87.5°	11.7	11.7	35.2	35.2	58.7	94.0	176.2	258.5	423.0	1257.2	799.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1	8389.1
2.5°	9176.3	9305.5	9317.3	9317.3	9258.5	9270.3	9105.8	8929.6	8870.8	8859.1
5°	9658.0	9998.8	10092.8	10139.8	9987.0	9752.0	9329.0	8870.8	8635.8	8600.6
7.5°	9564.0	10245.5	10609.7	10656.7	10351.2	9799.0	9058.8	8353.8	8083.6	8013.1
10°	9011.8	9928.3	10586.2	10750.7	10421.7	9716.8	8753.3	7930.9	7601.9	7543.1
12.5°	8624.1	9505.3	10151.5	10374.7	10222.0	9611.0	8600.6	7660.6	7331.6	7249.4
15°	8412.6	9223.3	9646.3	9716.8	9705.0	9446.5	8600.6	7719.4	7355.1	7261.1
17.5°	8588.8	9141.1	9199.8	9035.3	9129.3	9258.5	8788.6	8036.6	7684.1	7601.9
20°	8941.3	9105.8	8823.8	8577.1	8624.1	9035.3	9082.3	8635.8	8353.8	8212.8
22.5°	9681.5	9235.0	8588.8	8248.1	8283.3	8859.1	9470.0	9446.5	9199.8	9129.3
25°	10433.5	9599.3	8518.3	8118.9	8165.9	8823.8	9928.3	10351.2	10222.0	10186.8
27.5°	11267.7	10210.3	8565.3	8060.1	8118.9	8870.8	10245.5	11115.0	11138.5	11103.2
30°	11831.7	10504.0	8706.3	8130.6	8212.8	8988.3	10316.0	11573.2	11784.7	11796.4
32.5°	12301.6	10797.7	9000.1	8248.1	8389.1	9199.8	10504.0	12007.9	12477.9	12489.6
35°	12677.6	11126.7	9364.3	8459.6	8671.1	9552.3	10750.7	12419.1	13124.1	13206.4
37.5°	13159.4	11490.9	9787.3	8917.8	9152.8	10057.5	11185.5	12900.9	13887.8	14111.1
40°	13676.3	11855.2	10398.2	9658.0	9998.8	10809.5	11678.9	13441.3	14534.0	14839.5
42.5°	14252.1	12242.9	11091.5	10656.7	11173.7	11761.2	12242.9	13934.8	15027.5	15380.0
45°	14816.0	12712.9	12101.9	12019.7	12595.4	12889.1	12795.1	14287.3	15497.5	15850.0
47.5°	15215.5	13394.3	13323.8	13817.3	14357.8	14205.1	13441.3	14545.8	15885.2	16273.0
50°	15579.7	14240.3	14863.0	15826.5	16155.5	15638.5	14134.6	14898.3	16296.5	16731.2
52.5°	16120.2	15145.0	16449.2	17647.6	17964.9	17142.4	14886.5	15474.0	16930.9	17318.7
55°	17224.7	16167.2	18105.9	19480.5	19539.3	18517.1	15897.0	16449.2	17823.9	18270.4
57.5°	18458.3	17424.4	19421.8	20996.2	20972.7	19891.8	17036.7	17765.1	19034.1	19339.6
60°	19574.5	18693.3	20855.2	22077.2	22018.4	20890.5	18364.4	19257.3	20420.5	20655.5
62.5°	20232.5	19844.8	21489.7	22417.9	22194.7	21219.5	19492.3	20585.0	21407.5	21489.7
65°	20126.8	20502.7	20749.5	21325.2	21008.0	20303.0	20044.5	21431.0	21513.2	21431.0
67.5°	19327.8	20126.8	18716.8	18775.6	18611.1	18011.9	19186.8	21207.7	20643.7	20444.0
70°	18117.6	18176.4	15650.2	14910.0	15168.5	14346.0	16460.9	19468.8	18599.3	18352.6
72.5°	16108.5	15380.0	11831.7	11079.7	11467.4	10880.0	13206.4	16966.2	16120.2	15321.3
75°	13511.8	12184.2	9011.8	7942.6	8142.4	8118.9	10233.7	14017.1	12489.6	11690.7
77.5°	10468.7	9493.5	6650.2	6238.9	6027.5	6074.5	7143.7	10421.7	9058.8	8060.1
80°	7648.9	6638.4	5146.2	5381.2	5263.7	4981.8	5005.3	6979.2	6297.7	5698.5
82.5°	5287.2	4723.3	4171.0	4711.5	4429.5	3994.8	3900.8	5028.8	4723.3	4359.0
85°	3548.3	3889.1	3313.3	3607.1	3125.3	2878.6	3665.8	4206.3	3395.6	3031.4
87.5°	2314.6	3560.1	2385.1	1809.4	1033.9	1386.4	2244.1	2761.1	1586.2	857.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)