

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: P598873

Luminaire Tested: **IFLD-L-SA8A-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598873
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-722-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

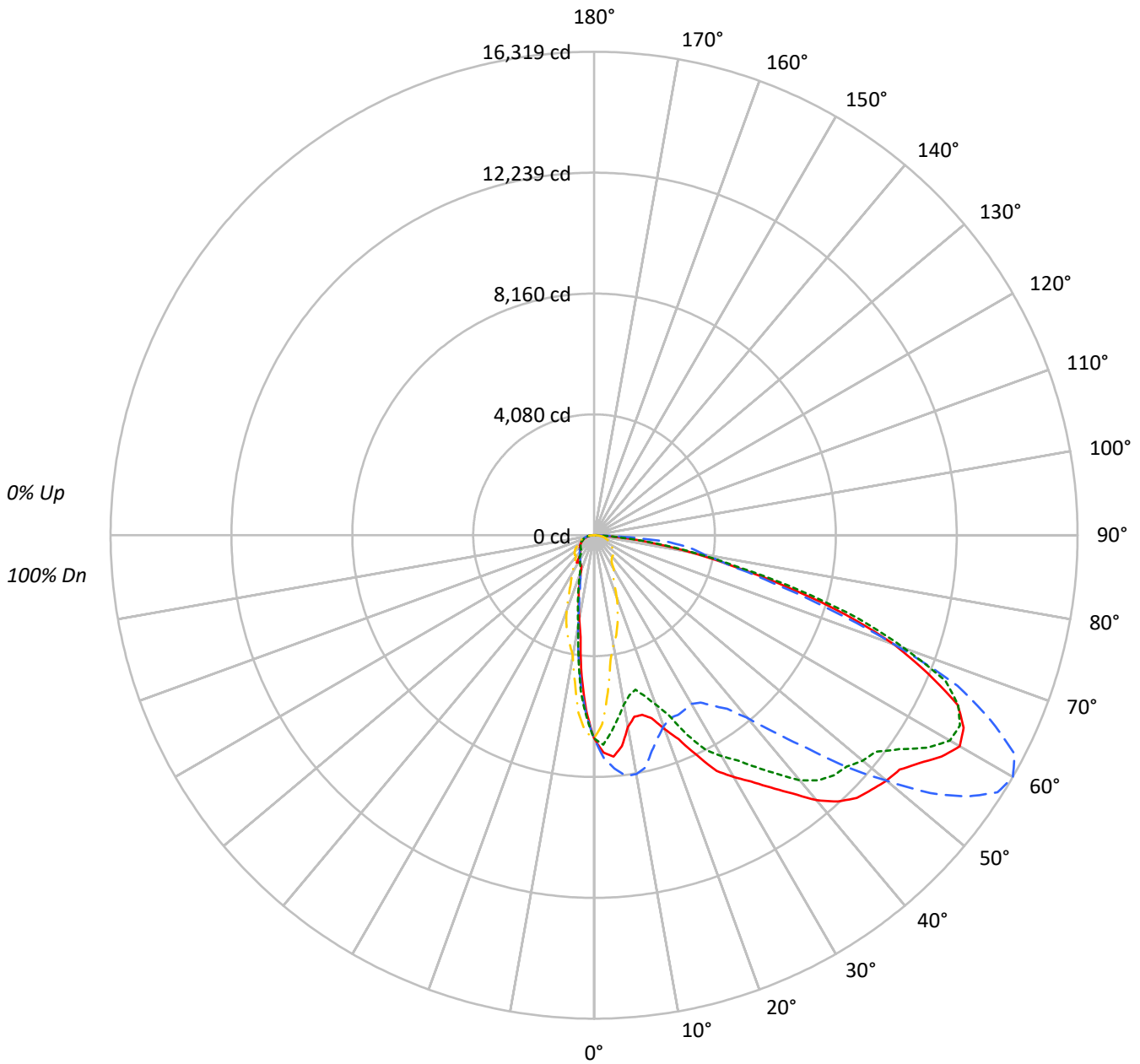
Lumens per Lamp: N/A
 Luminaire Lumens: 21463.4 lumens
 Efficiency: N/A
 Efficacy: 86.6 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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				
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36895	36895	36895	36895
5°	40533	36007	25822	28188
10°	35903	31688	15662	16807
15°	34960	30079	11087	11512
20°	39862	34791	7253	8016
25°	48568	44102	6333	6559
30°	58519	53490	6568	6095
35°	68249	62806	5442	5129
40°	82010	75857	5084	4816
45°	95441	87179	5145	4783
50°	107861	99092	5261	4942
55°	125790	118107	5450	5181
60°	153421	149219	5431	5431
65°	172419	172661	5578	5820
70°	169451	175445	5843	5992
75°	139779	149085	6138	6534
80°	100924	105939	6788	7082
85°	55854	59973	7645	9405

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.6	2.5
10°-20°	1124.4	5.2
20°-30°	1645.1	7.7
30°-40°	2317.9	10.8
40°-50°	3185.5	14.8
50°-60°	4341.5	20.2
60°-70°	4751.6	22.1
70°-80°	2743.3	12.8
80°-90°	821.5	3.8
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°	3302.1	15.4
0°-40°	5620.1	26.2
0°-60°	13147.1	61.3
0°-90°	21463.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21463.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6855	6855	6855	6855	6855	
5°	7503	6665	4780	5218	7503	681
15°	6274	5398	1990	2066	6274	1833
25°	8179	7427	1066	1104	8179	3830
35°	10388	9559	828	781	10388	6587
45°	12540	11454	676	628	12540	9638
55°	13406	12587	581	552	13406	12096
65°	13539	13558	438	457	13539	12958
75°	6722	7170	295	314	6722	7221
85°	904	971	124	152	904	1255
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°	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3
2.5°	7340.9	7312.3	7340.9	7445.6	7474.2	7521.8	7521.8	7455.1	7331.4	7274.2	7179.0
5°	7502.7	7455.1	7693.2	7912.1	8083.5	8064.5	7902.6	7769.3	7521.8	7150.4	6798.2
7.5°	7179.0	7226.6	7398.0	7969.3	8369.2	8445.3	8188.3	7921.7	7388.5	6874.3	6398.3
10°	6569.7	6636.3	7007.6	7597.9	8226.3	8350.1	8188.3	7864.5	7226.6	6588.7	6036.5
12.5°	6274.5	6426.8	6645.8	7359.9	7807.4	8102.6	8026.4	7816.9	7102.8	6350.7	5817.5
15°	6274.5	6312.6	6636.3	7236.1	7493.2	7502.7	7531.3	7569.4	7140.9	6455.4	5741.3
17.5°	6474.4	6579.2	6855.3	7226.6	7274.2	7160.0	7160.0	7321.8	7217.1	6750.6	6017.4
20°	6960.0	6921.9	7283.7	7436.1	7179.0	6893.4	6864.8	7140.9	7302.8	7064.8	6522.0
22.5°	7445.6	7617.0	7912.1	7569.4	7093.3	6712.5	6674.4	7017.2	7559.9	7607.5	7102.8
25°	8178.7	8350.1	8502.5	8083.5	7083.8	6664.9	6693.4	6960.0	7874.1	8378.7	8074.0
27.5°	8969.0	9073.7	9292.7	8645.3	7312.3	6607.7	6636.3	7036.2	8169.2	8883.3	8835.7
30°	9416.5	9530.8	9483.2	8750.0	7464.7	6645.8	6569.7	7140.9	8007.4	8883.3	9330.8
32.5°	9854.5	9787.8	9759.3	8921.4	7655.1	6883.9	6693.4	7359.9	8102.6	9026.1	9968.7
35°	10387.7	10292.5	10216.3	9254.6	7969.3	7112.4	7026.7	7645.6	8312.0	9321.3	10482.9
37.5°	10978.0	10978.0	10606.7	9502.2	8340.6	7483.7	7388.5	8055.0	8645.3	9502.2	11187.5
40°	11673.0	11701.6	11044.6	9835.4	8759.5	8074.0	8045.4	8588.2	8969.0	9768.8	11863.5
42.5°	12187.2	12206.2	11425.5	9959.2	9245.1	8892.8	9016.6	9445.1	9340.3	10006.8	11911.1
45°	12539.5	12444.3	11692.1	10311.5	9778.3	10121.1	10159.2	10282.9	9825.9	10149.6	12101.5
47.5°	12710.9	12691.8	11806.3	10720.9	10901.8	11368.4	11587.3	11416.0	10273.4	9997.3	12101.5
50°	12882.2	12720.4	11911.1	11282.7	11996.8	12939.4	12891.8	12577.6	10892.3	10187.7	11920.6
52.5°	12996.5	12853.7	12120.5	11787.3	13044.1	14110.5	14300.9	13720.1	11615.9	10540.0	12006.3
55°	13405.9	13291.6	12748.9	12472.8	14253.3	15348.2	15376.8	14567.5	12377.6	11120.8	12568.0
57.5°	13901.0	13967.7	13615.4	13444.0	15176.9	16252.8	16148.0	15195.9	13025.1	11825.4	13215.5
60°	14253.3	14358.0	14272.3	14291.4	15633.9	16557.4	16319.4	15586.3	13501.1	12358.6	14005.7
62.5°	14062.9	14272.3	14624.6	14548.5	15652.9	16338.4	16005.2	15072.1	13558.2	13053.6	14605.6
65°	13539.2	13558.2	14243.8	14662.7	14796.0	15205.4	14767.4	13996.2	12967.9	13482.1	14519.9
67.5°	12196.7	12349.0	12967.9	13786.8	13225.0	13320.2	13282.1	12168.1	12072.9	13186.9	13862.9
70°	10768.5	10873.3	11549.3	12510.9	11168.4	10720.9	10806.6	9978.3	10368.6	12272.9	12539.5
72.5°	8902.4	8969.0	9740.2	10587.6	8959.5	8159.7	8359.6	7683.6	8235.9	10740.0	10578.1
75°	6722.0	6845.8	7445.6	8445.3	6598.2	6084.1	6284.0	6007.9	6522.0	8845.2	8207.3
77.5°	4779.7	4684.4	5427.1	6607.7	4960.6	4655.9	4674.9	4722.5	5274.8	7455.1	5893.6
80°	3256.3	3284.8	3951.3	4846.3	3894.2	3846.6	3799.0	4179.8	4427.4	5903.2	4284.6
82.5°	1932.8	1932.8	2665.9	3446.7	3075.4	3465.7	3246.7	3589.5	3465.7	4341.7	2808.8
85°	904.5	904.5	1371.1	2485.0	2380.3	2856.4	2427.9	2713.6	2561.2	3027.8	1266.3
87.5°	152.3	133.3	276.1	1218.7	980.7	1114.0	438.0	1447.2	1609.1	2113.7	314.2
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3
2.5°	7074.3	7007.6	6874.3	6703.0	6560.1	6379.2	6322.1	6198.3	6026.9	6007.9	5931.7
5°	6664.9	6436.4	6150.7	5798.4	5560.4	5312.9	5103.4	4979.6	4836.8	4817.7	4779.7
7.5°	6217.4	5931.7	5455.7	5036.7	4627.3	4237.0	4046.5	3808.5	3646.6	3522.9	3465.7
10°	5798.4	5531.8	4941.5	4370.2	4008.4	3751.4	3522.9	3275.3	3075.4	2923.0	2865.9
12.5°	5522.3	5208.1	4570.2	4027.5	3760.9	3465.7	3208.7	2942.1	2685.0	2485.0	2380.3
15°	5398.5	5103.4	4455.9	3856.1	3465.7	3056.3	2761.2	2494.6	2180.4	2037.5	1989.9
17.5°	5693.7	5255.7	4417.9	3656.2	3103.9	2637.4	2275.6	1989.9	1761.4	1618.6	1561.5
20°	6074.5	5531.8	4484.5	3418.1	2761.2	2237.5	1837.6	1532.9	1380.6	1275.8	1266.3
22.5°	6560.1	5941.3	4589.2	3246.7	2380.3	1799.5	1437.7	1256.8	1152.1	1142.5	1123.5
25°	7426.6	6683.9	4760.6	3018.2	2075.6	1485.3	1228.2	1123.5	1075.9	1047.3	1066.4
27.5°	8169.2	7169.5	4884.4	2875.4	1951.9	1399.6	1190.2	1075.9	1028.3	1018.8	1028.3
30°	8607.2	7617.0	4846.3	2608.8	1704.3	1333.0	1266.3	1228.2	1133.0	1056.9	1056.9
32.5°	9007.1	7902.6	4836.8	2370.8	1456.7	1114.0	1056.9	1028.3	1085.4	1123.5	1094.9
35°	9559.3	8350.1	4808.2	2237.5	1352.0	1028.3	933.1	856.9	818.8	799.8	828.3
37.5°	10149.6	8654.8	4732.1	2218.4	1294.9	980.7	904.5	828.3	790.3	771.2	761.7
40°	10797.1	8978.5	4646.4	2123.2	1266.3	952.1	876.0	809.3	761.7	733.1	723.6
42.5°	11216.0	9235.6	4560.7	2075.6	1209.2	933.1	847.4	790.3	742.7	704.6	704.6
45°	11454.0	9540.3	4475.0	2028.0	1142.5	942.6	847.4	771.2	714.1	695.1	676.0
47.5°	11558.8	9768.8	4446.4	1951.9	1085.4	904.5	828.3	752.2	695.1	657.0	647.4
50°	11834.9	10254.4	4551.2	1894.7	1018.8	866.4	876.0	742.7	685.5	637.9	628.4
52.5°	11996.8	10644.7	4779.7	1809.0	971.2	818.8	856.9	723.6	657.0	609.4	609.4
55°	12587.1	11292.2	5027.2	1742.4	914.0	752.2	790.3	685.5	609.4	580.8	580.8
57.5°	13339.3	11977.7	5236.7	1713.8	876.0	704.6	704.6	666.5	580.8	542.7	533.2
60°	13862.9	12539.5	5360.5	1694.8	837.9	657.0	628.4	666.5	552.2	514.1	504.6
62.5°	13920.0	12215.7	5236.7	1685.3	828.3	609.4	571.3	637.9	523.7	485.6	466.5
65°	13558.2	11558.8	4893.9	1647.2	818.8	561.8	533.2	552.2	485.6	457.0	438.0
67.5°	12834.6	10492.4	4398.8	1628.1	809.3	523.7	485.6	476.1	447.5	418.9	399.9
70°	11149.4	9102.3	3818.0	1542.4	790.3	495.1	438.0	428.5	399.9	380.8	371.3
72.5°	9359.4	7445.6	3151.5	1428.2	752.2	447.5	399.9	380.8	371.3	342.8	333.2
75°	7169.5	5731.8	2523.1	1266.3	657.0	399.9	352.3	333.2	323.7	304.7	295.2
77.5°	5036.7	4265.5	1866.2	1028.3	552.2	361.8	314.2	295.2	285.6	257.1	257.1
80°	3418.1	2989.7	1266.3	714.1	428.5	295.2	276.1	257.1	238.0	219.0	219.0
82.5°	2123.2	2094.7	914.0	466.5	314.2	238.0	219.0	219.0	190.4	171.4	171.4
85°	971.2	1285.4	637.9	323.7	238.0	180.9	180.9	171.4	152.3	123.8	123.8
87.5°	304.7	428.5	333.2	142.8	133.3	104.7	104.7	95.2	95.2	76.2	76.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3
2.5°	6007.9	5998.4	5998.4	5960.3	6055.5	6055.5	6112.6	6065.0	6093.6	6103.1	6179.3
5°	4770.1	4846.3	4903.4	5017.7	5084.3	5112.9	5112.9	5189.1	5160.5	5217.6	5331.9
7.5°	3494.3	3589.5	3760.9	3903.7	4018.0	4056.0	4046.5	4065.6	4094.1	4027.5	4046.5
10°	2827.8	2761.2	2818.3	2951.6	3056.3	3180.1	3084.9	3075.4	3103.9	3075.4	3132.5
12.5°	2361.3	2285.1	2237.5	2237.5	2313.7	2370.8	2342.2	2389.8	2494.6	2523.1	2589.8
15°	1913.8	1847.1	1809.0	1761.4	1837.6	1856.6	1885.2	1951.9	2028.0	2066.1	2142.3
17.5°	1532.9	1532.9	1532.9	1494.8	1523.4	1552.0	1561.5	1647.2	1656.7	1694.8	1723.3
20°	1256.8	1285.4	1333.0	1352.0	1380.6	1380.6	1361.5	1409.1	1371.1	1399.6	1418.7
22.5°	1133.0	1171.1	1190.2	1199.7	1237.8	1247.3	1199.7	1209.2	1218.7	1190.2	1199.7
25°	1066.4	1085.4	1066.4	1075.9	1085.4	1066.4	1075.9	1094.9	1085.4	1104.5	1094.9
27.5°	1037.8	1018.8	1009.3	999.7	999.7	980.7	990.2	990.2	1009.3	1018.8	1018.8
30°	1037.8	1009.3	971.2	942.6	942.6	914.0	933.1	952.1	961.6	980.7	980.7
32.5°	1066.4	1009.3	942.6	914.0	885.5	866.4	885.5	914.0	952.1	961.6	971.2
35°	847.4	876.0	866.4	828.3	818.8	818.8	809.3	809.3	780.7	780.7	771.2
37.5°	761.7	752.2	771.2	780.7	790.3	761.7	761.7	723.6	714.1	723.6	723.6
40°	714.1	714.1	714.1	742.7	752.2	733.1	704.6	685.5	685.5	685.5	695.1
42.5°	695.1	676.0	666.5	685.5	714.1	695.1	666.5	657.0	657.0	666.5	666.5
45°	666.5	657.0	647.4	637.9	676.0	647.4	637.9	628.4	628.4	628.4	637.9
47.5°	637.9	628.4	609.4	609.4	618.9	609.4	599.8	599.8	599.8	618.9	618.9
50°	618.9	609.4	590.3	590.3	590.3	590.3	580.8	580.8	580.8	590.3	599.8
52.5°	590.3	580.8	571.3	561.8	561.8	561.8	561.8	561.8	561.8	571.3	580.8
55°	561.8	552.2	542.7	542.7	552.2	552.2	542.7	552.2	542.7	552.2	561.8
57.5°	533.2	523.7	514.1	523.7	533.2	523.7	523.7	523.7	523.7	523.7	533.2
60°	495.1	495.1	495.1	495.1	514.1	514.1	514.1	514.1	495.1	504.6	514.1
62.5°	476.1	466.5	466.5	476.1	485.6	485.6	495.1	485.6	476.1	485.6	485.6
65°	438.0	438.0	438.0	447.5	447.5	457.0	457.0	457.0	447.5	457.0	457.0
67.5°	409.4	409.4	409.4	409.4	428.5	428.5	428.5	428.5	418.9	418.9	428.5
70°	361.8	371.3	361.8	380.8	399.9	390.4	399.9	399.9	390.4	380.8	399.9
72.5°	333.2	333.2	333.2	333.2	361.8	361.8	361.8	371.3	361.8	352.3	361.8
75°	295.2	295.2	295.2	304.7	323.7	323.7	323.7	323.7	323.7	314.2	314.2
77.5°	257.1	266.6	257.1	266.6	285.6	276.1	285.6	295.2	285.6	276.1	276.1
80°	219.0	219.0	219.0	228.5	238.0	238.0	238.0	247.6	238.0	228.5	228.5
82.5°	171.4	171.4	180.9	180.9	190.4	190.4	190.4	199.9	190.4	180.9	180.9
85°	133.3	133.3	133.3	142.8	142.8	152.3	152.3	161.9	161.9	152.3	152.3
87.5°	85.7	76.2	85.7	85.7	95.2	95.2	85.7	76.2	85.7	76.2	66.6
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°	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3	6855.3
2.5°	6255.5	6426.8	6550.6	6636.3	6760.1	6998.1	7093.3	7264.7	7312.3	7340.9
5°	5379.5	5560.4	5827.0	6017.4	6236.4	6683.9	7026.7	7283.7	7398.0	7502.7
7.5°	4217.9	4455.9	4732.1	4979.6	5341.4	5893.6	6341.1	6874.3	7074.3	7179.0
10°	3294.3	3513.3	3818.0	4122.7	4627.3	5093.9	5731.8	6217.4	6493.5	6569.7
12.5°	2780.2	3037.3	3399.1	3770.4	4084.6	4617.8	5265.2	5969.8	6226.9	6274.5
15°	2361.3	2713.6	3084.9	3465.7	3827.5	4294.1	4989.1	5846.0	6226.9	6274.5
17.5°	1951.9	2266.1	2704.0	3113.4	3532.4	4170.3	5036.7	5950.8	6331.6	6474.4
20°	1552.0	1856.6	2199.4	2713.6	3284.8	3960.8	5141.5	6303.1	6807.7	6960.0
22.5°	1285.4	1418.7	1751.9	2247.0	2923.0	3818.0	5246.2	6855.3	7388.5	7445.6
25°	1123.5	1218.7	1428.2	1894.7	2637.4	3722.8	5493.8	7493.2	8178.7	8178.7
27.5°	1047.3	1085.4	1228.2	1647.2	2437.4	3637.1	5741.3	8197.8	8835.7	8969.0
30°	1028.3	1123.5	1199.7	1466.3	2218.4	3399.1	5969.8	8750.0	9407.0	9416.5
32.5°	1009.3	990.2	1047.3	1275.8	1951.9	3151.5	6160.2	9311.8	9825.9	9854.5
35°	790.3	828.3	923.6	1123.5	1751.9	2970.6	6255.5	9616.4	10359.1	10387.7
37.5°	742.7	790.3	866.4	1037.8	1618.6	2818.3	6284.0	10206.8	10920.9	10978.0
40°	723.6	761.7	818.8	961.6	1513.9	2627.9	6341.1	10816.1	11749.2	11673.0
42.5°	685.5	733.1	790.3	923.6	1428.2	2485.0	6350.7	11149.4	12187.2	12187.2
45°	676.0	704.6	771.2	923.6	1333.0	2361.3	6198.3	11482.6	12691.8	12539.5
47.5°	637.9	695.1	752.2	895.0	1218.7	2237.5	6017.4	11654.0	12758.5	12710.9
50°	628.4	685.5	780.7	847.4	1152.1	2180.4	5979.3	12082.5	12891.8	12882.2
52.5°	609.4	666.5	809.3	809.3	1066.4	2104.2	6160.2	12272.9	12920.3	12996.5
55°	580.8	666.5	752.2	742.7	990.2	2009.0	6360.2	12768.0	13424.9	13405.9
57.5°	561.8	647.4	714.1	676.0	904.5	1942.3	6655.3	13244.0	14034.3	13901.0
60°	533.2	647.4	637.9	628.4	837.9	1885.2	6902.9	13339.3	14167.6	14253.3
62.5°	514.1	676.0	561.8	580.8	780.7	1856.6	6798.2	12625.2	13986.7	14062.9
65°	495.1	580.8	514.1	533.2	761.7	1799.5	6388.8	11768.2	13206.0	13539.2
67.5°	457.0	476.1	476.1	495.1	742.7	1666.2	5550.9	10225.8	12015.8	12196.7
70°	418.9	428.5	428.5	457.0	723.6	1513.9	4579.7	8845.2	10425.8	10768.5
72.5°	380.8	380.8	380.8	418.9	666.5	1390.1	3770.4	6798.2	8664.3	8902.4
75°	333.2	333.2	333.2	371.3	599.8	1266.3	2970.6	5055.8	6379.2	6722.0
77.5°	295.2	295.2	285.6	333.2	523.7	1028.3	2142.3	3570.5	4494.0	4779.7
80°	247.6	238.0	238.0	266.6	409.4	742.7	1380.6	2523.1	3132.5	3256.3
82.5°	199.9	190.4	180.9	199.9	295.2	466.5	856.9	1761.4	2009.0	1932.8
85°	190.4	199.9	161.9	152.3	209.5	304.7	542.7	1085.4	904.5	904.5
87.5°	76.2	66.6	66.6	57.1	104.7	114.3	238.0	199.9	152.3	152.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)