

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: P599044

Luminaire Tested: **IFLD-L-SA7C-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599044
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-760-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

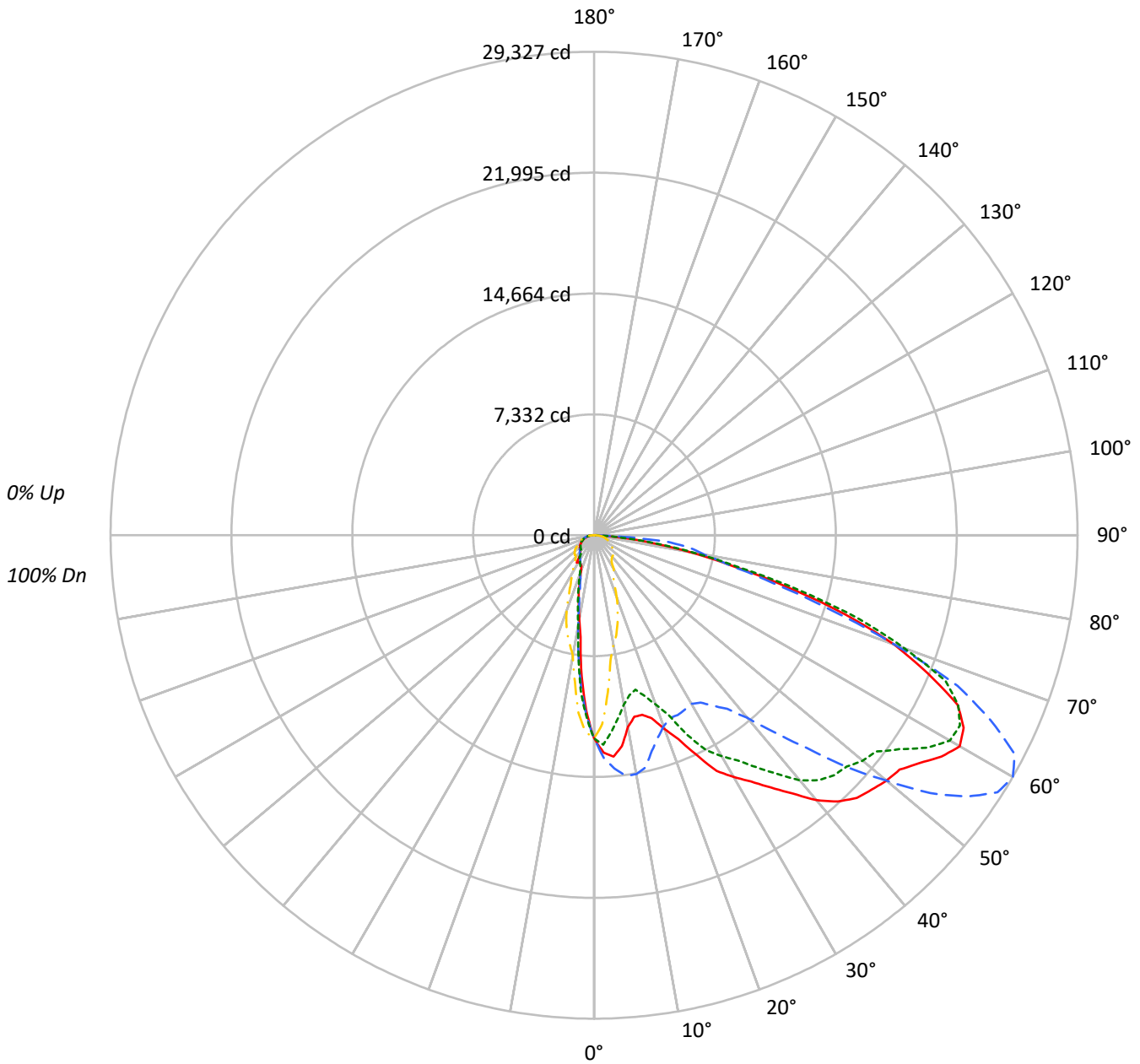
Lumens per Lamp: N/A
 Luminaire Lumens: 38571.5 lumens
 Efficiency: N/A
 Efficacy: 104.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 369
 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	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°	66303	66303	66303	66303
5°	72842	64708	46404	50657
10°	64521	56947	28146	30203
15°	62827	54055	19925	20688
20°	71636	62523	13034	14405
25°	87281	79254	11380	11786
30°	105164	96125	11803	10953
35°	122648	112868	9780	9219
40°	147380	136320	9136	8656
45°	171515	156669	9246	8595
50°	193835	178076	9455	8882
55°	226054	212247	9793	9312
60°	275710	268159	9762	9762
65°	309852	310287	10024	10459
70°	304517	315287	10500	10770
75°	251195	267918	11029	11740
80°	181368	190380	12196	12729
85°	100376	107774	13733	16907

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.1	2.5
10°-20°	2020.7	5.2
20°-30°	2956.5	7.7
30°-40°	4165.5	10.8
40°-50°	5724.6	14.8
50°-60°	7802.0	20.2
60°-70°	8539.0	22.1
70°-80°	4929.9	12.8
80°-90°	1476.3	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°	5934.2	15.4
0°-40°	10099.7	26.2
0°-60°	23626.4	61.3
0°-90°	38571.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38571.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12320	12320	12320	12320	12320	
5°	13483	11977	8589	9376	13483	1224
15°	11276	9702	3576	3713	11276	3294
25°	14698	13346	1916	1985	14698	6883
35°	18668	17179	1489	1403	18668	11837
45°	22534	20584	1215	1129	22534	17319
55°	24092	22620	1044	992	24092	21738
65°	24331	24365	787	821	24331	23287
75°	12080	12884	530	565	12080	12976
85°	1626	1745	222	274	1626	2255
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°	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5
2.5°	13192.2	13140.8	13192.2	13380.4	13431.7	13517.3	13517.3	13397.5	13175.0	13072.4	12901.3
5°	13483.0	13397.5	13825.2	14218.8	14526.8	14492.5	14201.7	13962.1	13517.3	12849.9	12216.9
7.5°	12901.3	12986.8	13294.8	14321.4	15040.1	15177.0	14715.0	14235.9	13277.7	12353.7	11498.2
10°	11806.2	11926.0	12593.3	13654.1	14783.4	15005.9	14715.0	14133.2	12986.8	11840.4	10848.0
12.5°	11275.8	11549.6	11943.1	13226.4	14030.6	14561.0	14424.1	14047.7	12764.4	11412.7	10454.5
15°	11275.8	11344.2	11926.0	13003.9	13465.9	13483.0	13534.4	13602.8	12832.8	11600.9	10317.6
17.5°	11635.1	11823.3	12319.5	12986.8	13072.4	12867.1	12867.1	13157.9	12969.7	12131.3	10813.8
20°	12507.7	12439.3	13089.5	13363.3	12901.3	12388.0	12336.6	12832.8	13123.7	12696.0	11720.7
22.5°	13380.4	13688.4	14218.8	13602.8	12747.3	12062.9	11994.4	12610.4	13585.7	13671.2	12764.4
25°	14697.9	15005.9	15279.6	14526.8	12730.2	11977.3	12028.6	12507.7	14150.3	15057.2	14509.7
27.5°	16118.0	16306.3	16699.8	15536.3	13140.8	11874.6	11926.0	12644.6	14680.8	15964.0	15878.5
30°	16922.2	17127.6	17042.0	15724.5	13414.6	11943.1	11806.2	12832.8	14389.9	15964.0	16768.2
32.5°	17709.3	17589.5	17538.2	16032.5	13756.8	12370.9	12028.6	13226.4	14561.0	16220.7	17914.6
35°	18667.5	18496.4	18359.5	16631.4	14321.4	12781.5	12627.5	13739.7	14937.4	16751.1	18838.6
37.5°	19728.3	19728.3	19061.0	17076.2	14988.8	13448.8	13277.7	14475.4	15536.3	17076.2	20104.8
40°	20977.4	21028.7	19848.1	17675.1	15741.6	14509.7	14458.3	15433.6	16118.0	17555.3	21319.6
42.5°	21901.4	21935.6	20532.5	17897.5	16614.2	15981.2	16203.6	16973.6	16785.3	17983.1	21405.2
45°	22534.5	22363.4	21011.6	18530.6	17572.4	18188.4	18256.8	18479.3	17658.0	18239.7	21747.4
47.5°	22842.4	22808.2	21217.0	19266.4	19591.5	20429.9	20823.4	20515.4	18462.2	17966.0	21747.4
50°	23150.4	22859.6	21405.2	20275.9	21559.2	23253.1	23167.5	22602.9	19574.3	18308.2	21422.3
52.5°	23355.8	23099.1	21781.6	21182.7	23441.3	25357.7	25699.9	24656.2	20874.7	18941.3	21576.3
55°	24091.5	23886.2	22910.9	22414.7	25614.3	27582.0	27633.4	26179.0	22243.6	19985.0	22585.8
57.5°	24981.3	25101.0	24467.9	24159.9	27274.0	29207.5	29019.3	27308.3	23407.1	21251.2	23749.3
60°	25614.3	25802.6	25648.6	25682.8	28095.4	29755.1	29327.3	28009.8	24262.6	22209.4	25169.5
62.5°	25272.1	25648.6	26281.6	26144.8	28129.6	29361.5	28762.7	27085.8	24365.3	23458.4	26247.4
65°	24331.1	24365.3	25597.2	26350.1	26589.6	27325.4	26538.3	25152.4	23304.4	24228.4	26093.4
67.5°	21918.5	22192.2	23304.4	24775.9	23766.4	23937.5	23869.1	21867.1	21696.0	23698.0	24912.8
70°	19351.9	19540.1	20755.0	22483.1	20070.6	19266.4	19420.4	17931.7	18633.3	22055.4	22534.5
72.5°	15998.3	16118.0	17504.0	19026.8	16100.9	14663.7	15023.0	13808.1	14800.5	19300.6	19009.7
75°	12080.0	12302.4	13380.4	15177.0	11857.5	10933.6	11292.9	10796.7	11720.7	15895.6	14749.2
77.5°	8589.4	8418.3	9753.0	11874.6	8914.5	8367.0	8401.2	8486.8	9479.2	13397.5	10591.4
80°	5851.8	5903.1	7100.8	8709.2	6998.2	6912.6	6827.1	7511.5	7956.4	10608.5	7699.7
82.5°	3473.4	3473.4	4790.9	6194.0	5526.7	6228.2	5834.7	6450.6	6228.2	7802.4	5047.6
85°	1625.5	1625.5	2463.9	4465.8	4277.6	5133.1	4363.2	4876.5	4602.7	5441.1	2275.7
87.5°	273.8	239.5	496.2	2190.1	1762.4	2001.9	787.1	2600.8	2891.7	3798.5	564.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5
2.5°	12713.1	12593.3	12353.7	12045.8	11789.1	11464.0	11361.3	11138.9	10830.9	10796.7	10659.8
5°	11977.3	11566.7	11053.3	10420.3	9992.5	9547.6	9171.2	8948.8	8692.1	8657.9	8589.4
7.5°	11173.1	10659.8	9804.3	9051.4	8315.7	7614.1	7271.9	6844.2	6553.3	6330.9	6228.2
10°	10420.3	9941.2	8880.3	7853.7	7203.5	6741.5	6330.9	5886.0	5526.7	5252.9	5150.2
12.5°	9924.1	9359.4	8213.0	7237.7	6758.6	6228.2	5766.2	5287.1	4825.1	4465.8	4277.6
15°	9701.6	9171.2	8007.7	6929.7	6228.2	5492.5	4962.0	4482.9	3918.3	3661.6	3576.1
17.5°	10232.0	9445.0	7939.2	6570.4	5578.0	4739.6	4089.4	3576.1	3165.4	2908.8	2806.1
20°	10916.5	9941.2	8059.0	6142.6	4962.0	4021.0	3302.3	2754.8	2481.0	2292.8	2275.7
22.5°	11789.1	10676.9	8247.2	5834.7	4277.6	3233.9	2583.7	2258.6	2070.4	2053.3	2019.0
25°	13346.1	12011.5	8555.2	5424.0	3730.1	2669.2	2207.2	2019.0	1933.5	1882.1	1916.4
27.5°	14680.8	12884.2	8777.7	5167.4	3507.6	2515.2	2138.8	1933.5	1847.9	1830.8	1847.9
30°	15467.8	13688.4	8709.2	4688.3	3062.8	2395.5	2275.7	2207.2	2036.1	1899.3	1899.3
32.5°	16186.5	14201.7	8692.1	4260.5	2617.9	2001.9	1899.3	1847.9	1950.6	2019.0	1967.7
35°	17178.9	15005.9	8640.8	4021.0	2429.7	1847.9	1676.8	1539.9	1471.5	1437.3	1488.6
37.5°	18239.7	15553.4	8503.9	3986.7	2327.0	1762.4	1625.5	1488.6	1420.2	1385.9	1368.8
40°	19403.2	16135.2	8349.9	3815.6	2275.7	1711.0	1574.2	1454.4	1368.8	1317.5	1300.4
42.5°	20156.1	16597.1	8195.9	3730.1	2173.0	1676.8	1522.8	1420.2	1334.6	1266.2	1266.2
45°	20583.9	17144.7	8041.9	3644.5	2053.3	1693.9	1522.8	1385.9	1283.3	1249.1	1214.8
47.5°	20772.1	17555.3	7990.6	3507.6	1950.6	1625.5	1488.6	1351.7	1249.1	1180.6	1163.5
50°	21268.3	18427.9	8178.8	3405.0	1830.8	1557.1	1574.2	1334.6	1232.0	1146.4	1129.3
52.5°	21559.2	19129.5	8589.4	3251.0	1745.3	1471.5	1539.9	1300.4	1180.6	1095.1	1095.1
55°	22620.0	20293.0	9034.3	3131.2	1642.6	1351.7	1420.2	1232.0	1095.1	1043.7	1043.7
57.5°	23971.7	21524.9	9410.7	3079.9	1574.2	1266.2	1266.2	1197.7	1043.7	975.3	958.2
60°	24912.8	22534.5	9633.2	3045.7	1505.7	1180.6	1129.3	1197.7	992.4	924.0	906.9
62.5°	25015.5	21952.7	9410.7	3028.5	1488.6	1095.1	1026.6	1146.4	941.1	872.6	838.4
65°	24365.3	20772.1	8794.8	2960.1	1471.5	1009.5	958.2	992.4	872.6	821.3	787.1
67.5°	23064.9	18855.7	7905.0	2925.9	1454.4	941.1	872.6	855.5	804.2	752.9	718.6
70°	20036.3	16357.6	6861.3	2771.9	1420.2	889.7	787.1	770.0	718.6	684.4	667.3
72.5°	16819.6	13380.4	5663.6	2566.6	1351.7	804.2	718.6	684.4	667.3	616.0	598.9
75°	12884.2	10300.5	4534.3	2275.7	1180.6	718.6	633.1	598.9	581.8	547.5	530.4
77.5°	9051.4	7665.5	3353.6	1847.9	992.4	650.2	564.6	530.4	513.3	462.0	462.0
80°	6142.6	5372.7	2275.7	1283.3	770.0	530.4	496.2	462.0	427.8	393.5	393.5
82.5°	3815.6	3764.3	1642.6	838.4	564.6	427.8	393.5	393.5	342.2	308.0	308.0
85°	1745.3	2309.9	1146.4	581.8	427.8	325.1	325.1	308.0	273.8	222.4	222.4
87.5°	547.5	770.0	598.9	256.7	239.5	188.2	188.2	171.1	171.1	136.9	136.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5
2.5°	10796.7	10779.6	10779.6	10711.1	10882.2	10882.2	10984.9	10899.4	10950.7	10967.8	11104.7
5°	8572.3	8709.2	8811.9	9017.2	9137.0	9188.3	9188.3	9325.2	9273.9	9376.5	9581.8
7.5°	6279.5	6450.6	6758.6	7015.3	7220.6	7289.0	7271.9	7306.2	7357.5	7237.7	7271.9
10°	5081.8	4962.0	5064.7	5304.2	5492.5	5714.9	5543.8	5526.7	5578.0	5526.7	5629.3
12.5°	4243.4	4106.5	4021.0	4021.0	4157.8	4260.5	4209.2	4294.7	4482.9	4534.3	4654.0
15°	3439.2	3319.4	3251.0	3165.4	3302.3	3336.5	3387.9	3507.6	3644.5	3713.0	3849.9
17.5°	2754.8	2754.8	2754.8	2686.3	2737.7	2789.0	2806.1	2960.1	2977.2	3045.7	3097.0
20°	2258.6	2309.9	2395.5	2429.7	2481.0	2481.0	2446.8	2532.3	2463.9	2515.2	2549.5
22.5°	2036.1	2104.6	2138.8	2155.9	2224.4	2241.5	2155.9	2173.0	2190.1	2138.8	2155.9
25°	1916.4	1950.6	1916.4	1933.5	1950.6	1916.4	1933.5	1967.7	1950.6	1984.8	1967.7
27.5°	1865.0	1830.8	1813.7	1796.6	1796.6	1762.4	1779.5	1779.5	1813.7	1830.8	1830.8
30°	1865.0	1813.7	1745.3	1693.9	1693.9	1642.6	1676.8	1711.0	1728.2	1762.4	1762.4
32.5°	1916.4	1813.7	1693.9	1642.6	1591.3	1557.1	1591.3	1642.6	1711.0	1728.2	1745.3
35°	1522.8	1574.2	1557.1	1488.6	1471.5	1471.5	1454.4	1454.4	1403.1	1403.1	1385.9
37.5°	1368.8	1351.7	1385.9	1403.1	1420.2	1368.8	1368.8	1300.4	1283.3	1300.4	1300.4
40°	1283.3	1283.3	1283.3	1334.6	1351.7	1317.5	1266.2	1232.0	1232.0	1232.0	1249.1
42.5°	1249.1	1214.8	1197.7	1232.0	1283.3	1249.1	1197.7	1180.6	1180.6	1197.7	1197.7
45°	1197.7	1180.6	1163.5	1146.4	1214.8	1163.5	1146.4	1129.3	1129.3	1129.3	1146.4
47.5°	1146.4	1129.3	1095.1	1095.1	1112.2	1095.1	1078.0	1078.0	1078.0	1112.2	1112.2
50°	1112.2	1095.1	1060.8	1060.8	1060.8	1060.8	1043.7	1043.7	1043.7	1060.8	1078.0
52.5°	1060.8	1043.7	1026.6	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1026.6	1043.7
55°	1009.5	992.4	975.3	975.3	992.4	992.4	975.3	992.4	975.3	992.4	1009.5
57.5°	958.2	941.1	924.0	941.1	958.2	941.1	941.1	941.1	941.1	941.1	958.2
60°	889.7	889.7	889.7	889.7	924.0	924.0	924.0	924.0	889.7	906.9	924.0
62.5°	855.5	838.4	838.4	855.5	872.6	872.6	889.7	872.6	855.5	872.6	872.6
65°	787.1	787.1	787.1	804.2	804.2	821.3	821.3	821.3	804.2	821.3	821.3
67.5°	735.7	735.7	735.7	735.7	770.0	770.0	770.0	770.0	752.9	752.9	770.0
70°	650.2	667.3	650.2	684.4	718.6	701.5	718.6	718.6	701.5	684.4	718.6
72.5°	598.9	598.9	598.9	598.9	650.2	650.2	650.2	667.3	650.2	633.1	650.2
75°	530.4	530.4	530.4	547.5	581.8	581.8	581.8	581.8	581.8	564.6	564.6
77.5°	462.0	479.1	462.0	479.1	513.3	496.2	513.3	530.4	513.3	496.2	496.2
80°	393.5	393.5	393.5	410.7	427.8	427.8	427.8	444.9	427.8	410.7	410.7
82.5°	308.0	308.0	325.1	325.1	342.2	342.2	342.2	359.3	342.2	325.1	325.1
85°	239.5	239.5	239.5	256.7	256.7	273.8	273.8	290.9	290.9	273.8	273.8
87.5°	154.0	136.9	154.0	154.0	171.1	171.1	154.0	136.9	154.0	136.9	119.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P599044
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5	12319.5
2.5°	11241.6	11549.6	11772.0	11926.0	12148.4	12576.2	12747.3	13055.3	13140.8	13192.2
5°	9667.4	9992.5	10471.6	10813.8	11207.3	12011.5	12627.5	13089.5	13294.8	13483.0
7.5°	7579.9	8007.7	8503.9	8948.8	9599.0	10591.4	11395.6	12353.7	12713.1	12901.3
10°	5920.2	6313.8	6861.3	7408.8	8315.7	9154.1	10300.5	11173.1	11669.3	11806.2
12.5°	4996.3	5458.2	6108.4	6775.7	7340.4	8298.6	9462.1	10728.2	11190.2	11275.8
15°	4243.4	4876.5	5543.8	6228.2	6878.4	7716.8	8965.9	10505.8	11190.2	11275.8
17.5°	3507.6	4072.3	4859.4	5595.1	6348.0	7494.4	9051.4	10694.0	11378.4	11635.1
20°	2789.0	3336.5	3952.5	4876.5	5903.1	7117.9	9239.6	11327.1	12234.0	12507.7
22.5°	2309.9	2549.5	3148.3	4038.1	5252.9	6861.3	9427.9	12319.5	13277.7	13380.4
25°	2019.0	2190.1	2566.6	3405.0	4739.6	6690.2	9872.7	13465.9	14697.9	14697.9
27.5°	1882.1	1950.6	2207.2	2960.1	4380.3	6536.2	10317.6	14732.1	15878.5	16118.0
30°	1847.9	2019.0	2155.9	2635.0	3986.7	6108.4	10728.2	15724.5	16905.1	16922.2
32.5°	1813.7	1779.5	1882.1	2292.8	3507.6	5663.6	11070.5	16734.0	17658.0	17709.3
35°	1420.2	1488.6	1659.7	2019.0	3148.3	5338.5	11241.6	17281.5	18616.2	18667.5
37.5°	1334.6	1420.2	1557.1	1865.0	2908.8	5064.7	11292.9	18342.4	19625.7	19728.3
40°	1300.4	1368.8	1471.5	1728.2	2720.6	4722.5	11395.6	19437.5	21114.3	20977.4
42.5°	1232.0	1317.5	1420.2	1659.7	2566.6	4465.8	11412.7	20036.3	21901.4	21901.4
45°	1214.8	1266.2	1385.9	1659.7	2395.5	4243.4	11138.9	20635.2	22808.2	22534.5
47.5°	1146.4	1249.1	1351.7	1608.4	2190.1	4021.0	10813.8	20943.2	22928.0	22842.4
50°	1129.3	1232.0	1403.1	1522.8	2070.4	3918.3	10745.4	21713.2	23167.5	23150.4
52.5°	1095.1	1197.7	1454.4	1454.4	1916.4	3781.4	11070.5	22055.4	23218.9	23355.8
55°	1043.7	1197.7	1351.7	1334.6	1779.5	3610.3	11429.8	22945.1	24125.7	24091.5
57.5°	1009.5	1163.5	1283.3	1214.8	1625.5	3490.5	11960.2	23800.6	25220.8	24981.3
60°	958.2	1163.5	1146.4	1129.3	1505.7	3387.9	12405.1	23971.7	25460.3	25614.3
62.5°	924.0	1214.8	1009.5	1043.7	1403.1	3336.5	12216.9	22688.5	25135.2	25272.1
65°	889.7	1043.7	924.0	958.2	1368.8	3233.9	11481.1	21148.5	23732.2	24331.1
67.5°	821.3	855.5	855.5	889.7	1334.6	2994.3	9975.4	18376.6	21593.4	21918.5
70°	752.9	770.0	770.0	821.3	1300.4	2720.6	8230.1	15895.6	18735.9	19351.9
72.5°	684.4	684.4	684.4	752.9	1197.7	2498.1	6775.7	12216.9	15570.5	15998.3
75°	598.9	598.9	598.9	667.3	1078.0	2275.7	5338.5	9085.6	11464.0	12080.0
77.5°	530.4	530.4	513.3	598.9	941.1	1847.9	3849.9	6416.4	8076.1	8589.4
80°	444.9	427.8	427.8	479.1	735.7	1334.6	2481.0	4534.3	5629.3	5851.8
82.5°	359.3	342.2	325.1	359.3	530.4	838.4	1539.9	3165.4	3610.3	3473.4
85°	342.2	359.3	290.9	273.8	376.4	547.5	975.3	1950.6	1625.5	1625.5
87.5°	136.9	119.8	119.8	102.7	188.2	205.3	427.8	359.3	273.8	273.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)