

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: P598935

Luminaire Tested: **IFLD-S-SA2A-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598935
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (32) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

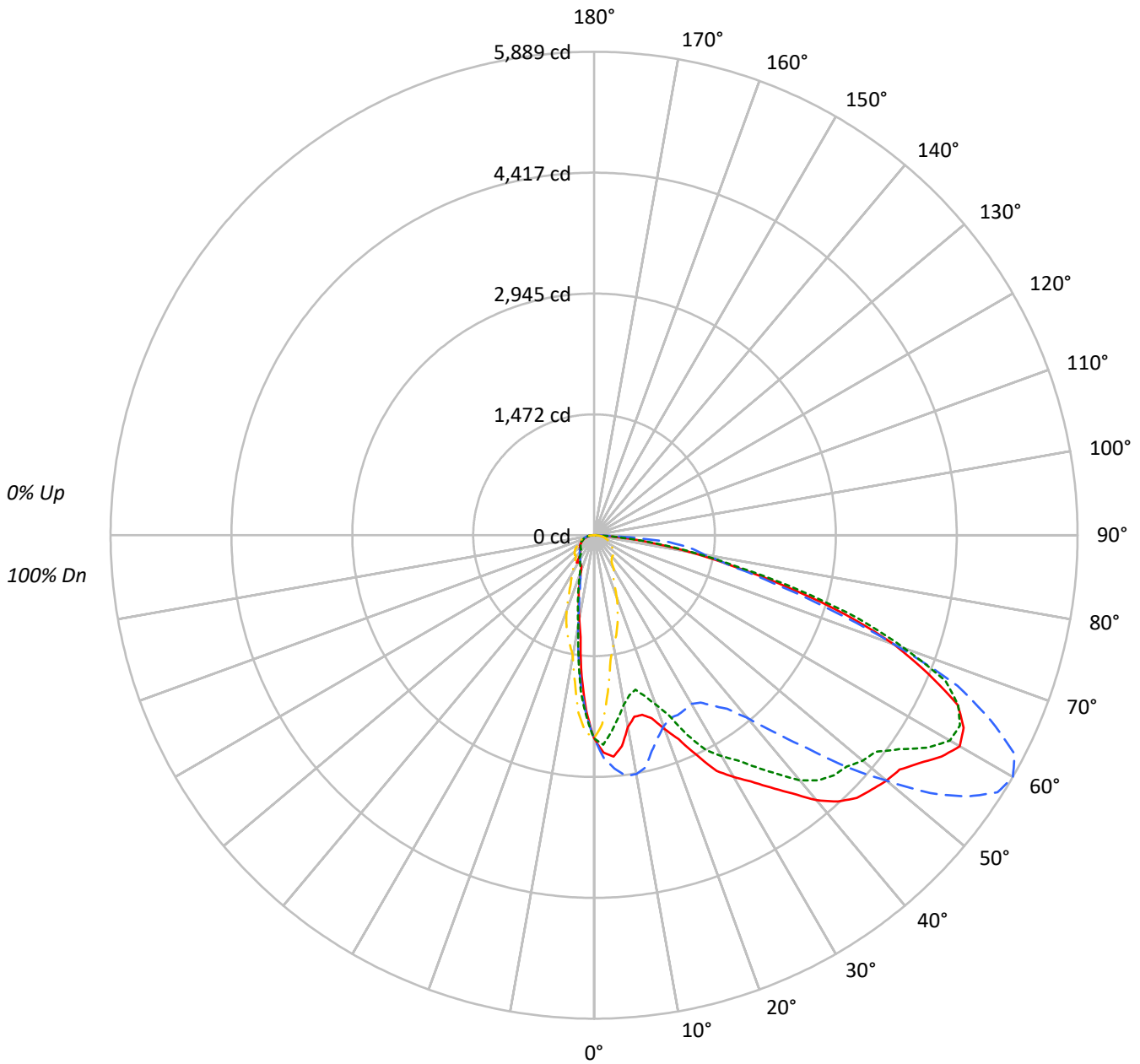
Lumens per Lamp: N/A
 Luminaire Lumens: 7745.4 lumens
 Efficiency: N/A
 Efficacy: 121.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 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			100	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77			77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60			60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47			47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38			38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31			31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26			26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22			22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19			19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17			17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15			15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	53256	53256	53256	53256
5°	58509	51974	37273	40690
10°	51826	45740	22608	24260
15°	50463	43418	16004	16617
20°	57539	50220	10470	11572
25°	70106	63659	9140	9468
30°	84471	77210	9481	8797
35°	98513	90658	7855	7403
40°	118379	109496	7338	6953
45°	137763	125841	7426	6905
50°	155691	143035	7596	7134
55°	181572	170481	7867	7480
60°	221457	215390	7840	7840
65°	248879	249230	8053	8400
70°	244597	253246	8434	8648
75°	201763	215196	8858	9432
80°	145682	152922	9794	10228
85°	80622	86575	11041	13585

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	2.5
10°-20°	405.8	5.2
20°-30°	593.7	7.7
30°-40°	836.5	10.8
40°-50°	1149.5	14.8
50°-60°	1566.7	20.2
60°-70°	1714.7	22.1
70°-80°	989.9	12.8
80°-90°	296.5	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°	1191.6	15.4
0°-40°	2028.1	26.2
0°-60°	4744.3	61.3
0°-90°	7745.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7745.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2474	2474	2474	2474	2474	
5°	2708	2405	1725	1883	2708	246
15°	2264	1948	718	746	2264	662
25°	2951	2680	385	399	2951	1382
35°	3748	3450	299	282	3748	2377
45°	4525	4133	244	227	4525	3478
55°	4838	4542	210	199	4838	4365
65°	4886	4893	158	165	4886	4676
75°	2426	2587	106	113	2426	2606
85°	326	350	45	55	326	453
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°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2649.1	2638.8	2649.1	2686.9	2697.2	2714.3	2714.3	2690.3	2645.6	2625.0	2590.6
5°	2707.5	2690.3	2776.2	2855.2	2917.1	2910.2	2851.8	2803.7	2714.3	2580.3	2453.2
7.5°	2590.6	2607.8	2669.7	2875.8	3020.1	3047.6	2954.9	2858.6	2666.2	2480.7	2308.9
10°	2370.8	2394.8	2528.8	2741.8	2968.6	3013.3	2954.9	2838.0	2607.8	2377.6	2178.3
12.5°	2264.2	2319.2	2398.2	2655.9	2817.4	2923.9	2896.4	2820.9	2563.2	2291.7	2099.3
15°	2264.2	2278.0	2394.8	2611.3	2704.0	2707.5	2717.8	2731.5	2576.9	2329.5	2071.8
17.5°	2336.4	2374.2	2473.8	2607.8	2625.0	2583.8	2583.8	2642.2	2604.4	2436.0	2171.5
20°	2511.6	2497.9	2628.4	2683.4	2590.6	2487.6	2477.3	2576.9	2635.3	2549.4	2353.6
22.5°	2686.9	2748.7	2855.2	2731.5	2559.7	2422.3	2408.5	2532.2	2728.1	2745.3	2563.2
25°	2951.4	3013.3	3068.2	2917.1	2556.3	2405.1	2415.4	2511.6	2841.5	3023.6	2913.6
27.5°	3236.6	3274.4	3353.4	3119.8	2638.8	2384.5	2394.8	2539.1	2948.0	3205.7	3188.5
30°	3398.1	3439.3	3422.1	3157.6	2693.7	2398.2	2370.8	2576.9	2889.6	3205.7	3367.2
32.5°	3556.1	3532.1	3521.8	3219.4	2762.4	2484.4	2415.4	2655.9	2923.9	3257.2	3597.4
35°	3748.5	3714.2	3686.7	3339.7	2875.8	2566.6	2535.7	2759.0	2999.5	3363.7	3782.9
37.5°	3961.6	3961.6	3827.6	3429.0	3009.8	2700.6	2666.2	2906.7	3119.8	3429.0	4037.2
40°	4212.4	4222.7	3985.6	3549.3	3161.0	2913.6	2903.3	3099.2	3236.6	3525.2	4281.1
42.5°	4397.9	4404.8	4123.0	3593.9	3336.2	3209.1	3253.8	3408.4	3370.6	3611.1	4298.3
45°	4525.0	4490.7	4219.3	3721.1	3528.6	3652.3	3666.1	3710.7	3545.8	3662.6	4367.0
47.5°	4586.9	4580.0	4260.5	3868.8	3934.1	4102.4	4181.5	4119.6	3707.3	3607.7	4367.0
50°	4648.7	4590.3	4298.3	4071.5	4329.2	4669.4	4652.2	4538.8	3930.6	3676.4	4301.7
52.5°	4690.0	4638.4	4373.9	4253.6	4707.1	5092.0	5160.7	4951.1	4191.8	3803.5	4332.6
55°	4837.7	4796.5	4600.6	4501.0	5143.5	5538.6	5548.9	5256.9	4466.6	4013.1	4535.4
57.5°	5016.4	5040.4	4913.3	4851.5	5476.8	5865.0	5827.2	5483.7	4700.3	4267.4	4769.0
60°	5143.5	5181.3	5150.4	5157.2	5641.7	5975.0	5889.1	5624.5	4872.1	4459.8	5054.2
62.5°	5074.8	5150.4	5277.5	5250.0	5648.6	5896.0	5775.7	5439.0	4892.7	4710.6	5270.6
65°	4885.8	4892.7	5140.1	5291.2	5339.3	5487.1	5329.0	5050.7	4679.7	4865.2	5239.7
67.5°	4401.4	4456.3	4679.7	4975.1	4772.4	4806.8	4793.0	4391.0	4356.7	4758.7	5002.6
70°	3886.0	3923.8	4167.7	4514.7	4030.3	3868.8	3899.7	3600.8	3741.7	4428.8	4525.0
72.5°	3212.5	3236.6	3514.9	3820.7	3233.2	2944.5	3016.7	2772.7	2972.0	3875.7	3817.3
75°	2425.7	2470.4	2686.9	3047.6	2381.1	2195.5	2267.7	2168.0	2353.6	3191.9	2961.7
77.5°	1724.8	1690.4	1958.4	2384.5	1790.1	1680.1	1687.0	1704.2	1903.5	2690.3	2126.8
80°	1175.1	1185.4	1425.9	1748.9	1405.3	1388.1	1370.9	1508.3	1597.7	2130.2	1546.1
82.5°	697.5	697.5	962.0	1243.8	1109.8	1250.7	1171.6	1295.3	1250.7	1566.8	1013.6
85°	326.4	326.4	494.8	896.8	859.0	1030.8	876.1	979.2	924.2	1092.6	457.0
87.5°	55.0	48.1	99.6	439.8	353.9	402.0	158.1	522.3	580.7	762.8	113.4
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°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2552.9	2528.8	2480.7	2418.9	2367.3	2302.0	2281.4	2236.8	2174.9	2168.0	2140.5
5°	2405.1	2322.7	2219.6	2092.4	2006.6	1917.2	1841.6	1797.0	1745.4	1738.6	1724.8
7.5°	2243.6	2140.5	1968.8	1817.6	1669.8	1529.0	1460.2	1374.3	1315.9	1271.3	1250.7
10°	2092.4	1996.2	1783.2	1577.1	1446.5	1353.7	1271.3	1181.9	1109.8	1054.8	1034.2
12.5°	1992.8	1879.4	1649.2	1453.4	1357.2	1250.7	1157.9	1061.7	968.9	896.8	859.0
15°	1948.1	1841.6	1608.0	1391.5	1250.7	1102.9	996.4	900.2	786.8	735.3	718.1
17.5°	2054.7	1896.6	1594.2	1319.4	1120.1	951.7	821.2	718.1	635.6	584.1	563.5
20°	2192.1	1996.2	1618.3	1233.5	996.4	807.4	663.1	553.2	498.2	460.4	457.0
22.5°	2367.3	2144.0	1656.1	1171.6	859.0	649.4	518.8	453.5	415.7	412.3	405.4
25°	2680.0	2412.0	1717.9	1089.2	749.0	536.0	443.2	405.4	388.3	377.9	384.8
27.5°	2948.0	2587.2	1762.6	1037.6	704.4	505.1	429.5	388.3	371.1	367.6	371.1
30°	3106.0	2748.7	1748.9	941.4	615.0	481.0	457.0	443.2	408.9	381.4	381.4
32.5°	3250.3	2851.8	1745.4	855.5	525.7	402.0	381.4	371.1	391.7	405.4	395.1
35°	3449.6	3013.3	1735.1	807.4	487.9	371.1	336.7	309.2	295.5	288.6	298.9
37.5°	3662.6	3123.2	1707.6	800.6	467.3	353.9	326.4	298.9	285.2	278.3	274.9
40°	3896.3	3240.0	1676.7	766.2	457.0	343.6	316.1	292.0	274.9	264.6	261.1
42.5°	4047.5	3332.8	1645.8	749.0	436.4	336.7	305.8	285.2	268.0	254.3	254.3
45°	4133.4	3442.7	1614.9	731.8	412.3	340.2	305.8	278.3	257.7	250.8	243.9
47.5°	4171.2	3525.2	1604.6	704.4	391.7	326.4	298.9	271.4	250.8	237.1	233.6
50°	4270.8	3700.4	1642.3	683.7	367.6	312.7	316.1	268.0	247.4	230.2	226.8
52.5°	4329.2	3841.3	1724.8	652.8	350.5	295.5	309.2	261.1	237.1	219.9	219.9
55°	4542.2	4074.9	1814.1	628.8	329.8	271.4	285.2	247.4	219.9	209.6	209.6
57.5°	4813.7	4322.3	1889.7	618.5	316.1	254.3	254.3	240.5	209.6	195.8	192.4
60°	5002.6	4525.0	1934.4	611.6	302.4	237.1	226.8	240.5	199.3	185.5	182.1
62.5°	5023.2	4408.2	1889.7	608.1	298.9	219.9	206.2	230.2	189.0	175.2	168.4
65°	4892.7	4171.2	1766.0	594.4	295.5	202.7	192.4	199.3	175.2	164.9	158.1
67.5°	4631.6	3786.3	1587.4	587.5	292.0	189.0	175.2	171.8	161.5	151.2	144.3
70°	4023.4	3284.7	1377.8	556.6	285.2	178.7	158.1	154.6	144.3	137.4	134.0
72.5°	3377.5	2686.9	1137.3	515.4	271.4	161.5	144.3	137.4	134.0	123.7	120.3
75°	2587.2	2068.4	910.5	457.0	237.1	144.3	127.1	120.3	116.8	109.9	106.5
77.5°	1817.6	1539.3	673.4	371.1	199.3	130.6	113.4	106.5	103.1	92.8	92.8
80°	1233.5	1078.9	457.0	257.7	154.6	106.5	99.6	92.8	85.9	79.0	79.0
82.5°	766.2	755.9	329.8	168.4	113.4	85.9	79.0	79.0	68.7	61.8	61.8
85°	350.5	463.8	230.2	116.8	85.9	65.3	65.3	61.8	55.0	44.7	44.7
87.5°	109.9	154.6	120.3	51.5	48.1	37.8	37.8	34.4	34.4	27.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2168.0	2164.6	2164.6	2150.9	2185.2	2185.2	2205.8	2188.7	2199.0	2202.4	2229.9
5°	1721.4	1748.9	1769.5	1810.7	1834.8	1845.1	1845.1	1872.6	1862.2	1882.9	1924.1
7.5°	1261.0	1295.3	1357.2	1408.7	1449.9	1463.7	1460.2	1467.1	1477.4	1453.4	1460.2
10°	1020.5	996.4	1017.0	1065.1	1102.9	1147.6	1113.2	1109.8	1120.1	1109.8	1130.4
12.5°	852.1	824.6	807.4	807.4	834.9	855.5	845.2	862.4	900.2	910.5	934.6
15°	690.6	666.6	652.8	635.6	663.1	670.0	680.3	704.4	731.8	745.6	773.1
17.5°	553.2	553.2	553.2	539.4	549.7	560.0	563.5	594.4	597.8	611.6	621.9
20°	453.5	463.8	481.0	487.9	498.2	498.2	491.3	508.5	494.8	505.1	511.9
22.5°	408.9	422.6	429.5	432.9	446.7	450.1	432.9	436.4	439.8	429.5	432.9
25°	384.8	391.7	384.8	388.3	391.7	384.8	388.3	395.1	391.7	398.6	395.1
27.5°	374.5	367.6	364.2	360.8	360.8	353.9	357.3	357.3	364.2	367.6	367.6
30°	374.5	364.2	350.5	340.2	340.2	329.8	336.7	343.6	347.0	353.9	353.9
32.5°	384.8	364.2	340.2	329.8	319.5	312.7	319.5	329.8	343.6	347.0	350.5
35°	305.8	316.1	312.7	298.9	295.5	295.5	292.0	292.0	281.7	281.7	278.3
37.5°	274.9	271.4	278.3	281.7	285.2	274.9	274.9	261.1	257.7	261.1	261.1
40°	257.7	257.7	257.7	268.0	271.4	264.6	254.3	247.4	247.4	247.4	250.8
42.5°	250.8	243.9	240.5	247.4	257.7	250.8	240.5	237.1	237.1	240.5	240.5
45°	240.5	237.1	233.6	230.2	243.9	233.6	230.2	226.8	226.8	226.8	230.2
47.5°	230.2	226.8	219.9	219.9	223.3	219.9	216.5	216.5	216.5	223.3	223.3
50°	223.3	219.9	213.0	213.0	213.0	213.0	209.6	209.6	209.6	213.0	216.5
52.5°	213.0	209.6	206.2	202.7	202.7	202.7	202.7	202.7	202.7	206.2	209.6
55°	202.7	199.3	195.8	195.8	199.3	199.3	195.8	199.3	195.8	199.3	202.7
57.5°	192.4	189.0	185.5	189.0	192.4	189.0	189.0	189.0	189.0	189.0	192.4
60°	178.7	178.7	178.7	178.7	185.5	185.5	185.5	185.5	178.7	182.1	185.5
62.5°	171.8	168.4	168.4	171.8	175.2	175.2	178.7	175.2	171.8	175.2	175.2
65°	158.1	158.1	158.1	161.5	161.5	164.9	164.9	164.9	161.5	164.9	164.9
67.5°	147.7	147.7	147.7	147.7	154.6	154.6	154.6	154.6	151.2	151.2	154.6
70°	130.6	134.0	130.6	137.4	144.3	140.9	144.3	144.3	140.9	137.4	144.3
72.5°	120.3	120.3	120.3	120.3	130.6	130.6	130.6	134.0	130.6	127.1	130.6
75°	106.5	106.5	106.5	109.9	116.8	116.8	116.8	116.8	116.8	113.4	113.4
77.5°	92.8	96.2	92.8	96.2	103.1	99.6	103.1	106.5	103.1	99.6	99.6
80°	79.0	79.0	79.0	82.5	85.9	85.9	85.9	89.3	85.9	82.5	82.5
82.5°	61.8	61.8	65.3	65.3	68.7	68.7	68.7	72.2	68.7	65.3	65.3
85°	48.1	48.1	48.1	51.5	51.5	55.0	55.0	58.4	58.4	55.0	55.0
87.5°	30.9	27.5	30.9	30.9	34.4	34.4	30.9	27.5	30.9	27.5	24.1
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°	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
2.5°	2257.4	2319.2	2363.9	2394.8	2439.5	2525.4	2559.7	2621.6	2638.8	2649.1
5°	1941.3	2006.6	2102.8	2171.5	2250.5	2412.0	2535.7	2628.4	2669.7	2707.5
7.5°	1522.1	1608.0	1707.6	1797.0	1927.5	2126.8	2288.3	2480.7	2552.9	2590.6
10°	1188.8	1267.8	1377.8	1487.7	1669.8	1838.2	2068.4	2243.6	2343.3	2370.8
12.5°	1003.3	1096.0	1226.6	1360.6	1474.0	1666.4	1900.0	2154.3	2247.1	2264.2
15°	852.1	979.2	1113.2	1250.7	1381.2	1549.6	1800.4	2109.6	2247.1	2264.2
17.5°	704.4	817.7	975.8	1123.5	1274.7	1504.9	1817.6	2147.4	2284.9	2336.4
20°	560.0	670.0	793.7	979.2	1185.4	1429.3	1855.4	2274.5	2456.6	2511.6
22.5°	463.8	511.9	632.2	810.9	1054.8	1377.8	1893.2	2473.8	2666.2	2686.9
25°	405.4	439.8	515.4	683.7	951.7	1343.4	1982.5	2704.0	2951.4	2951.4
27.5°	377.9	391.7	443.2	594.4	879.6	1312.5	2071.8	2958.3	3188.5	3236.6
30°	371.1	405.4	432.9	529.1	800.6	1226.6	2154.3	3157.6	3394.6	3398.1
32.5°	364.2	357.3	377.9	460.4	704.4	1137.3	2223.0	3360.3	3545.8	3556.1
35°	285.2	298.9	333.3	405.4	632.2	1072.0	2257.4	3470.2	3738.2	3748.5
37.5°	268.0	285.2	312.7	374.5	584.1	1017.0	2267.7	3683.3	3940.9	3961.6
40°	261.1	274.9	295.5	347.0	546.3	948.3	2288.3	3903.2	4239.9	4212.4
42.5°	247.4	264.6	285.2	333.3	515.4	896.8	2291.7	4023.4	4397.9	4397.9
45°	243.9	254.3	278.3	333.3	481.0	852.1	2236.8	4143.7	4580.0	4525.0
47.5°	230.2	250.8	271.4	323.0	439.8	807.4	2171.5	4205.5	4604.1	4586.9
50°	226.8	247.4	281.7	305.8	415.7	786.8	2157.7	4360.1	4652.2	4648.7
52.5°	219.9	240.5	292.0	292.0	384.8	759.3	2223.0	4428.8	4662.5	4690.0
55°	209.6	240.5	271.4	268.0	357.3	725.0	2295.2	4607.5	4844.6	4837.7
57.5°	202.7	233.6	257.7	243.9	326.4	700.9	2401.7	4779.3	5064.5	5016.4
60°	192.4	233.6	230.2	226.8	302.4	680.3	2491.0	4813.7	5112.6	5143.5
62.5°	185.5	243.9	202.7	209.6	281.7	670.0	2453.2	4556.0	5047.3	5074.8
65°	178.7	209.6	185.5	192.4	274.9	649.4	2305.5	4246.7	4765.6	4885.8
67.5°	164.9	171.8	171.8	178.7	268.0	601.3	2003.1	3690.1	4336.1	4401.4
70°	151.2	154.6	154.6	164.9	261.1	546.3	1652.7	3191.9	3762.3	3886.0
72.5°	137.4	137.4	137.4	151.2	240.5	501.6	1360.6	2453.2	3126.6	3212.5
75°	120.3	120.3	120.3	134.0	216.5	457.0	1072.0	1824.4	2302.0	2425.7
77.5°	106.5	106.5	103.1	120.3	189.0	371.1	773.1	1288.5	1621.7	1724.8
80°	89.3	85.9	85.9	96.2	147.7	268.0	498.2	910.5	1130.4	1175.1
82.5°	72.2	68.7	65.3	72.2	106.5	168.4	309.2	635.6	725.0	697.5
85°	68.7	72.2	58.4	55.0	75.6	109.9	195.8	391.7	326.4	326.4
87.5°	27.5	24.1	24.1	20.6	37.8	41.2	85.9	72.2	55.0	55.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)