

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P148973

Luminaire Tested: **TLM-F05-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148973
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F05-LED-E1-RW-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

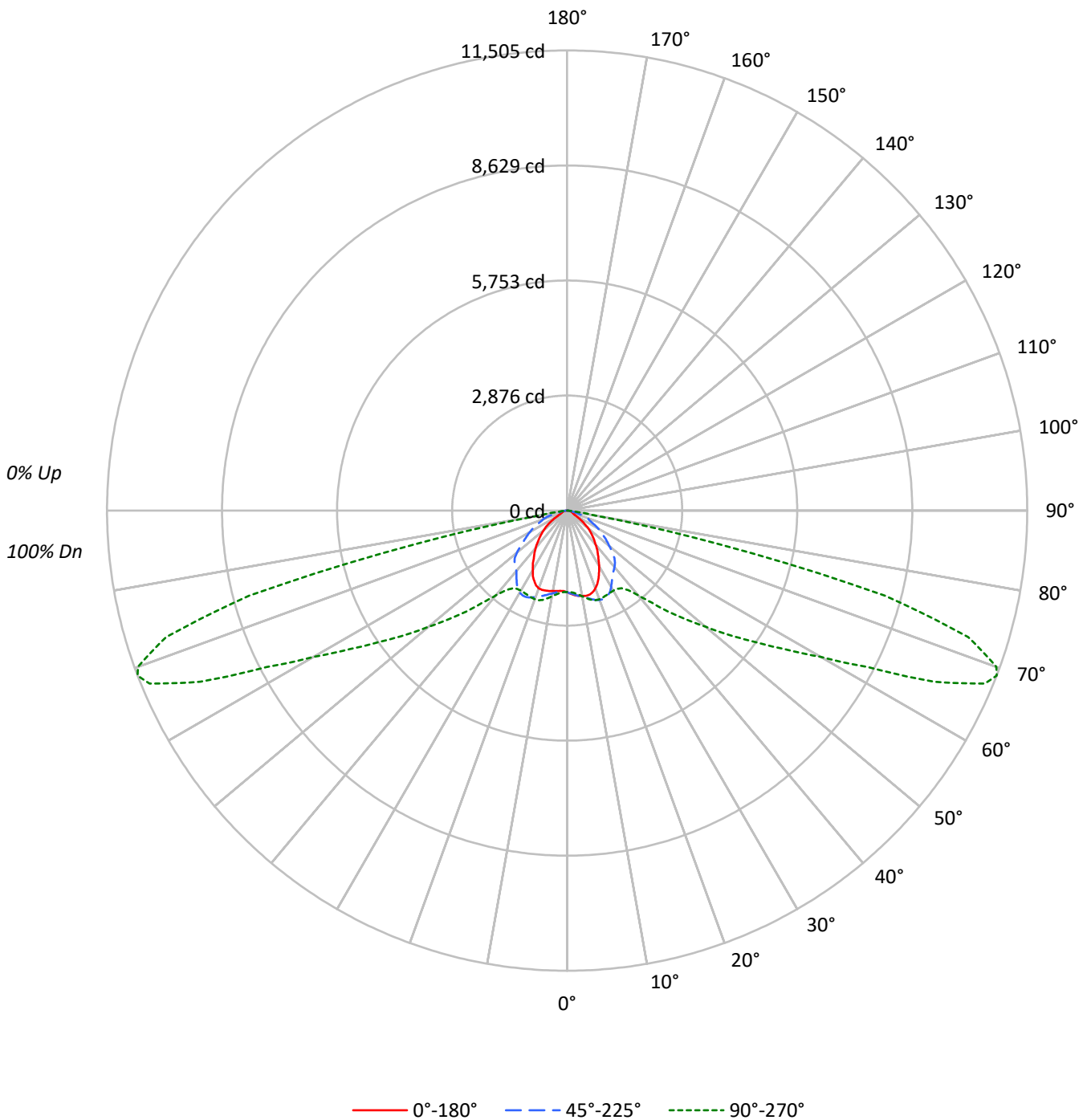
Lumens per Lamp: N/A
Luminaire Lumens: 10882.8 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 133.3
Input Voltage (V): NR
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



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CATALOG NUMBER: TLM-F05-LED-E1-RW-8030

Luminous Intensity Polar Plot





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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	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	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79					79			
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61					61			
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48					48			
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39					39			
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32					32			
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27					27			
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23					23			
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20					20			
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18					18			
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16					16			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	26444	26444	26444
5°	27619	26923	26228
10°	28565	28656	26929
15°	29216	31010	27783
20°	28510	32548	28575
25°	26602	33349	27799
30°	23945	34622	25719
35°	21270	37523	22999
40°	18754	46689	20720
45°	16398	65425	18102
50°	13800	91207	15533
55°	9951	129438	12209
60°	5934	189538	7288
65°	5346	310548	5346
70°	5460	433087	5547
75°	5817	412183	6108
80°	5900	53077	6415
85°	3794	13303	5357



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	1.8
10°-20°	631.0	5.8
20°-30°	1022.2	9.4
30°-40°	1274.0	11.7
40°-50°	1592.0	14.6
50°-60°	1965.7	18.1
60°-70°	2442.5	22.4
70°-80°	1621.5	14.9
80°-90°	133.9	1.2
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°	1853.2	17.0
0°-40°	3127.2	28.7
0°-60°	6684.9	61.4
0°-90°	10882.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10882.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2039	2039	2039	2039	2039	
5°	2122	2109	2068	2036	2015	204
15°	2176	2288	2310	2196	2069	609
25°	1859	2368	2331	2390	1943	850
35°	1344	1979	2370	2202	1453	842
45°	894	1666	3567	1860	987	689
55°	440	1128	5725	1322	540	392
65°	174	654	10120	831	174	176
75°	116	258	8226	336	122	121
85°	26	49	89	64	36	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2085.6	2092.5	2085.6	2085.6	2079.8	2073.9	2070.5	2062.3	2057.7	2055.4	2055.4
5°	2121.6	2120.4	2121.6	2121.6	2115.8	2108.8	2104.1	2097.2	2090.2	2089.0	2087.9
7.5°	2148.3	2147.1	2150.6	2157.6	2154.1	2148.3	2148.3	2141.3	2136.7	2136.7	2134.3
10°	2169.2	2170.3	2177.3	2187.7	2190.1	2188.9	2197.0	2194.7	2192.4	2194.7	2192.4
12.5°	2183.1	2184.3	2193.6	2213.3	2226.1	2234.2	2255.1	2256.3	2257.4	2257.4	2257.4
15°	2176.1	2176.1	2194.7	2231.9	2263.2	2287.6	2314.3	2319.0	2314.3	2317.8	2315.5
17.5°	2135.5	2137.8	2168.0	2224.9	2288.8	2342.2	2371.2	2363.1	2355.0	2355.0	2351.5
20°	2065.8	2070.5	2111.1	2191.2	2292.3	2377.0	2422.3	2395.6	2373.5	2370.1	2366.6
22.5°	1979.9	1976.4	2025.2	2126.2	2265.6	2392.1	2453.7	2421.2	2381.7	2373.5	2367.7
25°	1859.1	1861.4	1912.5	2025.2	2198.2	2367.7	2463.0	2446.7	2400.3	2389.8	2377.0
27.5°	1726.7	1732.5	1787.1	1902.1	2093.7	2307.4	2452.5	2472.2	2436.3	2424.6	2413.0
30°	1599.0	1602.5	1664.0	1787.1	1964.8	2200.5	2424.6	2500.1	2481.5	2472.2	2461.8
32.5°	1463.1	1474.8	1528.2	1667.5	1862.6	2083.2	2381.7	2529.2	2536.1	2530.3	2524.5
35°	1343.5	1352.8	1413.2	1559.5	1763.9	1978.7	2329.4	2560.5	2608.1	2607.0	2605.8
37.5°	1235.5	1237.9	1301.7	1450.4	1666.4	1905.6	2274.8	2611.6	2696.4	2708.0	2721.9
40°	1107.8	1119.4	1185.6	1345.9	1570.0	1842.9	2228.4	2680.1	2819.5	2845.0	2864.7
42.5°	1005.6	1005.6	1064.8	1223.9	1456.2	1770.9	2212.1	2766.0	2965.8	3000.6	3035.4
45°	894.1	897.6	954.5	1099.7	1326.1	1666.4	2209.8	2861.3	3129.5	3179.4	3222.4
47.5°	788.5	790.8	851.2	991.7	1191.4	1522.4	2180.8	2966.9	3301.4	3373.4	3421.0
50°	684.0	680.5	738.5	881.4	1071.8	1373.7	2087.9	3104.0	3515.0	3587.0	3641.6
52.5°	555.1	564.4	627.1	762.9	954.5	1247.2	1898.6	3238.7	3735.7	3816.9	3891.3
55°	440.1	438.9	509.8	632.9	828.0	1127.6	1674.5	3333.9	3950.5	4044.5	4127.0
57.5°	315.9	319.3	379.7	501.6	696.7	1020.7	1504.9	3317.6	4116.5	4228.0	4332.5
60°	228.8	235.7	281.0	370.4	556.2	897.6	1386.5	3129.5	4230.3	4382.5	4509.0
62.5°	192.8	198.6	238.1	286.8	429.7	768.7	1271.5	2827.6	4377.8	4578.7	4762.2
65°	174.2	178.8	218.3	246.2	329.8	653.8	1199.5	2613.9	4571.7	4877.1	5128.0
67.5°	156.8	163.7	198.6	219.5	279.9	584.1	1178.6	2581.4	4608.9	5013.0	5369.5
69°	148.6	155.6	187.0	205.5	263.6	562.0	1139.2	2464.1	4366.2	4800.5	5200.0
70°	144.0	149.8	177.7	197.4	259.0	541.1	1083.4	2292.3	4108.4	4546.2	4975.9
72.5°	132.4	135.9	159.1	178.8	238.1	415.7	821.0	1655.9	3066.8	3499.9	3921.5
75°	116.1	119.6	140.5	160.2	184.6	257.8	498.2	982.4	1882.3	2173.8	2596.5
77.5°	99.9	103.3	120.8	151.0	146.3	168.4	304.2	587.6	987.0	1132.2	1402.8
80°	79.0	83.6	101.0	145.2	121.9	133.5	223.0	434.3	600.4	660.7	731.6
82.5°	55.7	58.1	76.6	116.1	91.7	101.0	167.2	361.1	481.9	526.0	546.9
85°	25.5	26.7	45.3	68.5	54.6	48.8	89.4	231.1	319.3	332.1	350.7
87.5°	0.0	0.0	4.6	4.6	9.3	5.8	10.5	29.0	48.8	48.8	59.2
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2056.5	2055.4	2056.5	2056.5	2057.7	2053.0	2051.9	2050.7	2049.6	2050.7	2048.4
5°	2087.9	2086.7	2086.7	2087.9	2086.7	2083.2	2082.1	2082.1	2078.6	2077.4	2077.4
7.5°	2135.5	2133.2	2129.7	2132.0	2133.2	2132.0	2133.2	2129.7	2129.7	2126.2	2127.4
10°	2194.7	2192.4	2191.2	2193.6	2194.7	2193.6	2194.7	2190.1	2188.9	2187.7	2185.4
12.5°	2259.7	2255.1	2258.6	2258.6	2259.7	2264.4	2258.6	2260.9	2256.3	2256.3	2255.1
15°	2316.6	2315.5	2317.8	2317.8	2316.6	2320.1	2319.0	2320.1	2314.3	2312.0	2317.8
17.5°	2352.6	2349.2	2350.3	2349.2	2349.2	2349.2	2351.5	2351.5	2348.0	2346.8	2349.2
20°	2361.9	2356.1	2355.0	2353.8	2351.5	2351.5	2352.6	2350.3	2348.0	2345.7	2348.0
22.5°	2359.6	2352.6	2345.7	2342.2	2338.7	2334.1	2332.9	2330.6	2327.1	2327.1	2328.3
25°	2367.7	2355.0	2344.5	2337.5	2328.3	2322.5	2317.8	2312.0	2306.2	2302.7	2303.9
27.5°	2395.6	2381.7	2367.7	2353.8	2339.9	2328.3	2319.0	2308.5	2299.2	2292.3	2288.8
30°	2447.9	2429.3	2413.0	2396.8	2379.4	2363.1	2348.0	2331.7	2314.3	2303.9	2294.6
32.5°	2508.2	2495.5	2485.0	2466.4	2447.9	2428.1	2409.5	2395.6	2370.1	2350.3	2334.1
35°	2600.0	2595.3	2589.5	2575.6	2554.7	2544.2	2529.2	2507.1	2476.9	2459.5	2435.1
37.5°	2726.6	2727.7	2723.1	2717.3	2719.6	2699.9	2690.6	2688.2	2658.0	2646.4	2610.4
40°	2882.2	2899.6	2914.7	2914.7	2926.3	2927.5	2925.1	2944.9	2922.8	2927.5	2889.1
42.5°	3055.2	3097.0	3120.2	3137.6	3176.0	3193.4	3222.4	3265.4	3267.7	3289.8	3292.1
45°	3259.6	3306.0	3350.1	3395.4	3446.5	3506.9	3567.3	3611.4	3681.1	3696.2	3746.1
47.5°	3472.1	3539.4	3590.5	3648.6	3735.7	3813.5	3902.9	3993.5	4073.6	4130.5	4163.0
50°	3706.6	3775.1	3849.5	3914.5	4007.4	4116.5	4240.8	4365.0	4468.4	4569.4	4650.7
52.5°	3966.7	4042.2	4111.9	4196.7	4290.7	4420.8	4556.7	4727.4	4865.5	5003.7	5103.6
55°	4216.4	4301.2	4365.0	4473.0	4570.6	4704.1	4872.5	5074.6	5266.2	5433.4	5569.2
57.5°	4433.6	4517.2	4606.6	4699.5	4817.9	4951.5	5158.2	5388.1	5606.4	5825.9	6026.8
60°	4636.8	4749.4	4847.0	4970.0	5088.5	5242.9	5489.1	5773.6	6072.1	6344.9	6545.8
62.5°	4943.3	5087.3	5202.3	5354.4	5519.3	5701.6	5973.3	6286.9	6675.9	7027.7	7340.1
65°	5371.8	5592.5	5778.3	5965.2	6166.1	6416.9	6710.7	7109.0	7538.7	8058.9	8471.1
67.5°	5677.2	5953.6	6194.0	6428.5	6659.6	6937.2	7300.6	7767.4	8323.7	8870.6	9394.3
69°	5554.1	5846.8	6113.9	6347.3	6591.1	6868.7	7222.8	7734.9	8301.6	8903.1	9422.2
70°	5295.2	5611.0	5896.7	6119.7	6369.3	6644.5	7035.9	7524.7	8103.0	8725.5	9234.1
72.5°	4258.2	4591.5	4873.7	5121.0	5382.3	5705.1	6053.5	6522.6	7163.6	7773.2	8226.1
75°	2933.3	3244.5	3563.8	3748.4	4048.0	4278.0	4608.9	5089.7	5625.0	6073.2	6492.4
77.5°	1659.4	1826.6	2068.1	2143.6	2358.4	2511.7	2687.1	2983.2	3261.9	3522.0	3597.5
80°	754.8	704.9	729.2	692.1	732.7	707.2	678.2	694.4	690.9	743.2	694.4
82.5°	543.5	469.1	390.2	336.8	296.1	250.8	213.7	191.6	189.3	198.6	195.1
85°	347.2	317.0	248.5	199.7	153.3	118.4	98.7	89.4	89.4	95.2	94.1
87.5°	60.4	52.3	32.5	27.9	24.4	16.3	10.5	10.5	9.3	11.6	15.1
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2048.4	2047.2	2044.9	2043.8	2043.8	2041.4	2040.3	2042.6	2043.8	2044.9	2041.4
5°	2077.4	2073.9	2072.8	2073.9	2068.1	2069.3	2068.1	2069.3	2069.3	2069.3	2067.0
7.5°	2123.9	2120.4	2122.7	2120.4	2116.9	2115.8	2115.8	2112.3	2107.6	2106.5	2107.6
10°	2187.7	2183.1	2184.3	2185.4	2181.9	2179.6	2176.1	2171.5	2171.5	2170.3	2168.0
12.5°	2256.3	2253.9	2253.9	2255.1	2253.9	2249.3	2244.6	2242.3	2241.2	2241.2	2241.2
15°	2315.5	2314.3	2315.5	2314.3	2314.3	2312.0	2309.7	2306.2	2305.0	2306.2	2307.4
17.5°	2349.2	2345.7	2349.2	2350.3	2349.2	2349.2	2349.2	2346.8	2345.7	2345.7	2346.8
20°	2351.5	2349.2	2351.5	2355.0	2355.0	2356.1	2358.4	2359.6	2358.4	2360.8	2361.9
22.5°	2328.3	2328.3	2331.7	2335.2	2341.0	2343.4	2348.0	2350.3	2352.6	2356.1	2358.4
25°	2305.0	2303.9	2307.4	2314.3	2319.0	2324.8	2330.6	2335.2	2339.9	2344.5	2349.2
27.5°	2288.8	2287.6	2289.9	2295.7	2301.5	2308.5	2317.8	2324.8	2330.6	2336.4	2339.9
30°	2289.9	2285.3	2284.1	2288.8	2294.6	2302.7	2312.0	2320.1	2328.3	2332.9	2336.4
32.5°	2323.6	2312.0	2307.4	2306.2	2308.5	2314.3	2321.3	2329.4	2335.2	2339.9	2341.0
35°	2410.7	2388.6	2384.0	2368.9	2371.2	2370.1	2370.1	2374.7	2379.4	2379.4	2371.2
37.5°	2587.2	2555.9	2533.8	2518.7	2503.6	2502.4	2500.1	2497.8	2486.2	2479.2	2478.1
40°	2862.4	2849.6	2807.8	2796.2	2770.7	2753.3	2757.9	2748.6	2720.8	2710.3	2705.7
42.5°	3264.2	3271.2	3247.9	3193.4	3171.3	3137.6	3109.8	3105.1	3079.6	3058.7	3042.4
45°	3735.7	3748.4	3731.0	3691.5	3652.1	3601.0	3567.3	3502.3	3476.7	3444.2	3422.1
47.5°	4219.9	4254.7	4226.9	4192.0	4170.0	4089.8	4020.2	3944.7	3906.4	3859.9	3839.0
50°	4700.6	4762.2	4745.9	4713.4	4689.0	4588.0	4520.7	4416.1	4394.1	4347.6	4322.1
52.5°	5181.4	5241.8	5277.8	5247.6	5230.2	5148.9	5102.4	5018.8	4956.1	4927.1	4925.9
55°	5666.8	5764.3	5821.2	5810.8	5781.7	5771.3	5724.8	5716.7	5667.9	5636.6	5594.8
57.5°	6141.7	6245.1	6343.8	6401.8	6426.2	6418.1	6440.2	6437.8	6444.8	6441.3	6372.8
60°	6745.6	6909.3	7053.3	7145.0	7232.1	7292.5	7307.6	7397.0	7371.5	7427.2	7320.4
62.5°	7597.9	7810.4	8028.7	8125.1	8231.9	8428.2	8474.6	8580.3	8596.6	8610.5	8553.6
65°	8785.8	9064.5	9394.3	9541.8	9709.0	9961.0	10120.1	10232.7	10229.2	10152.6	10079.4
67.5°	9799.6	10129.4	10432.5	10689.1	10938.7	11135.0	11302.2	11454.3	11462.5	11414.9	11289.4
69°	9886.7	10231.6	10561.3	10870.2	11117.6	11335.9	11505.4	11623.9	11649.4	11607.6	11491.5
70°	9725.3	10073.6	10432.5	10728.6	11008.4	11239.5	11421.8	11535.6	11570.5	11527.5	11418.3
72.5°	8732.4	9070.3	9338.6	9686.9	10085.2	10230.4	10511.4	10604.3	10690.2	10633.3	10568.3
75°	6840.8	7159.0	7436.5	7617.6	7800.0	8158.8	8226.1	8400.3	8459.5	8403.8	8475.8
77.5°	3563.8	3778.6	3871.5	3726.4	3748.4	4031.8	3871.5	4059.6	4167.6	4199.0	4244.3
80°	681.6	716.5	743.2	733.9	743.2	764.1	710.7	681.6	720.0	711.8	711.8
82.5°	200.9	197.4	197.4	207.9	206.7	211.3	211.3	203.2	209.0	209.0	210.2
85°	91.7	87.1	85.9	87.1	85.9	85.9	89.4	89.4	96.4	90.6	91.7
87.5°	11.6	10.5	11.6	11.6	9.3	9.3	10.5	11.6	11.6	10.5	10.5
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):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1	2039.1
2.5°	2040.3	2039.1	2039.1	2039.1	2038.0	2036.8	2035.6	2032.1	2028.7	2027.5	2021.7
5°	2062.3	2063.5	2061.2	2058.9	2058.9	2058.9	2055.4	2046.1	2039.1	2035.6	2027.5
7.5°	2108.8	2106.5	2103.0	2101.8	2099.5	2100.7	2093.7	2082.1	2069.3	2061.2	2048.4
10°	2170.3	2168.0	2165.7	2163.4	2159.9	2159.9	2151.8	2134.3	2114.6	2100.7	2077.4
12.5°	2242.3	2240.0	2237.7	2236.5	2230.7	2229.6	2217.9	2197.0	2171.5	2144.8	2111.1
15°	2308.5	2305.0	2303.9	2300.4	2296.9	2295.7	2285.3	2257.4	2226.1	2195.9	2151.8
17.5°	2350.3	2348.0	2344.5	2342.2	2341.0	2339.9	2324.8	2301.5	2277.2	2247.0	2193.6
20°	2364.3	2365.4	2363.1	2360.8	2357.3	2355.0	2341.0	2319.0	2314.3	2298.1	2243.5
22.5°	2361.9	2361.9	2360.8	2356.1	2353.8	2348.0	2328.3	2317.8	2343.4	2350.3	2280.6
25°	2352.6	2351.5	2348.0	2344.5	2337.5	2329.4	2299.2	2305.0	2377.0	2389.8	2288.8
27.5°	2342.2	2341.0	2335.2	2327.1	2316.6	2305.0	2266.7	2305.0	2408.4	2397.9	2255.1
30°	2336.4	2331.7	2323.6	2312.0	2298.1	2285.3	2243.5	2335.2	2430.4	2370.1	2162.2
32.5°	2337.5	2329.4	2317.8	2302.7	2286.5	2271.4	2242.3	2388.6	2438.6	2302.7	2031.0
35°	2365.4	2352.6	2337.5	2322.5	2306.2	2292.3	2294.6	2463.0	2437.4	2201.7	1904.4
37.5°	2466.4	2444.4	2433.9	2417.7	2394.4	2382.8	2429.3	2545.4	2421.2	2078.6	1792.9
40°	2689.4	2670.8	2655.7	2613.9	2622.0	2612.8	2656.9	2658.0	2400.3	1975.2	1700.0
42.5°	3014.5	3014.5	2982.0	2976.2	2954.2	2964.6	2984.4	2790.4	2379.4	1913.7	1608.3
45°	3397.7	3426.8	3414.0	3410.5	3427.9	3448.8	3358.3	2947.2	2380.5	1860.3	1501.5
47.5°	3852.9	3877.3	3890.1	3911.0	3933.1	3920.3	3733.3	3112.1	2401.4	1783.6	1364.4
50°	4337.2	4396.4	4415.0	4441.7	4461.4	4464.9	4088.7	3281.6	2423.5	1643.1	1215.8
52.5°	4937.5	4993.3	5013.0	5031.6	5016.5	5003.7	4437.0	3482.5	2406.1	1475.9	1089.2
55°	5643.6	5654.0	5650.5	5627.3	5614.5	5544.9	4759.9	3696.2	2270.2	1321.5	968.5
57.5°	6378.6	6383.3	6341.5	6260.2	6166.1	6099.9	5069.9	3872.7	1982.2	1197.2	848.9
60°	7325.0	7229.8	7159.0	7034.7	6881.4	6739.8	5402.0	3971.4	1707.0	1077.6	714.2
62.5°	8467.7	8277.2	8123.9	7998.5	7772.1	7522.4	5825.9	3984.2	1539.8	963.8	560.9
65°	9947.1	9746.2	9484.9	9270.1	9025.0	8688.3	6509.8	3892.4	1457.3	831.4	409.9
67.5°	11111.8	10908.6	10615.9	10375.6	10059.7	9667.2	7076.5	3732.2	1437.6	711.8	322.8
69°	11315.0	11093.2	10829.6	10528.8	10193.2	9774.0	7098.6	3546.4	1407.4	666.5	296.1
70°	11240.7	11009.6	10755.3	10435.9	10059.7	9628.9	6931.4	3339.7	1347.0	641.0	286.8
72.5°	10406.9	10055.1	9799.6	9526.7	9069.2	8632.6	5967.5	2526.8	1048.6	540.0	268.2
75°	8331.8	8031.0	7743.1	7607.2	7227.5	6857.0	4480.0	1604.8	685.1	335.6	210.2
77.5°	4247.8	4193.2	4275.6	4214.1	3940.0	3940.0	2764.9	852.3	402.9	202.1	160.2
80°	762.9	795.4	780.3	812.9	756.0	839.6	971.9	572.5	285.7	154.4	131.2
82.5°	213.7	216.0	213.7	214.8	221.8	233.4	505.1	492.4	220.6	116.1	102.2
85°	99.9	101.0	103.3	103.3	112.6	115.0	339.1	353.0	128.9	63.9	68.5
87.5°	11.6	15.1	15.1	13.9	16.3	16.3	62.7	70.8	17.4	12.8	20.9
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):

	155°	165°	175°	180°
0°	2039.1	2039.1	2039.1	2039.1
2.5°	2017.0	2012.4	2007.8	2011.2
5°	2024.0	2017.0	2011.2	2014.7
7.5°	2042.6	2031.0	2029.8	2029.8
10°	2065.8	2049.6	2044.9	2044.9
12.5°	2090.2	2068.1	2060.0	2060.0
15°	2115.8	2084.4	2072.8	2069.3
17.5°	2144.8	2100.7	2079.8	2079.8
20°	2172.7	2103.0	2071.6	2070.5
22.5°	2177.3	2076.3	2031.0	2028.7
25°	2142.5	2013.6	1954.3	1942.7
27.5°	2060.0	1916.0	1853.3	1851.0
30°	1935.8	1788.3	1724.4	1717.5
32.5°	1813.8	1657.1	1597.8	1597.8
35°	1690.7	1537.5	1460.8	1452.7
37.5°	1576.9	1410.9	1342.4	1341.2
40°	1472.4	1300.6	1234.4	1223.9
42.5°	1367.9	1184.5	1109.0	1106.6
45°	1243.7	1057.9	992.8	987.0
47.5°	1111.3	944.1	875.6	874.4
50°	991.7	838.4	769.9	769.9
52.5°	882.5	735.1	666.5	659.6
55°	759.4	617.8	548.1	540.0
57.5°	625.9	486.6	423.8	406.4
60°	484.2	354.2	290.3	281.0
62.5°	353.0	259.0	211.3	204.4
65°	265.9	220.6	181.2	174.2
67.5°	228.8	198.6	164.9	157.9
69°	212.5	188.1	157.9	151.0
70°	205.5	181.2	152.1	146.3
72.5°	189.3	166.1	139.3	137.0
75°	173.0	151.0	125.4	121.9
77.5°	167.2	131.2	108.0	105.7
80°	170.7	106.8	88.3	85.9
82.5°	139.3	85.9	68.5	65.0
85°	87.1	58.1	36.0	36.0
87.5°	22.1	18.6	10.5	10.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)