

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P181669

Luminaire Tested: **ICM-E06-LED-E1-T4**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181669
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-T4
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16867.3 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

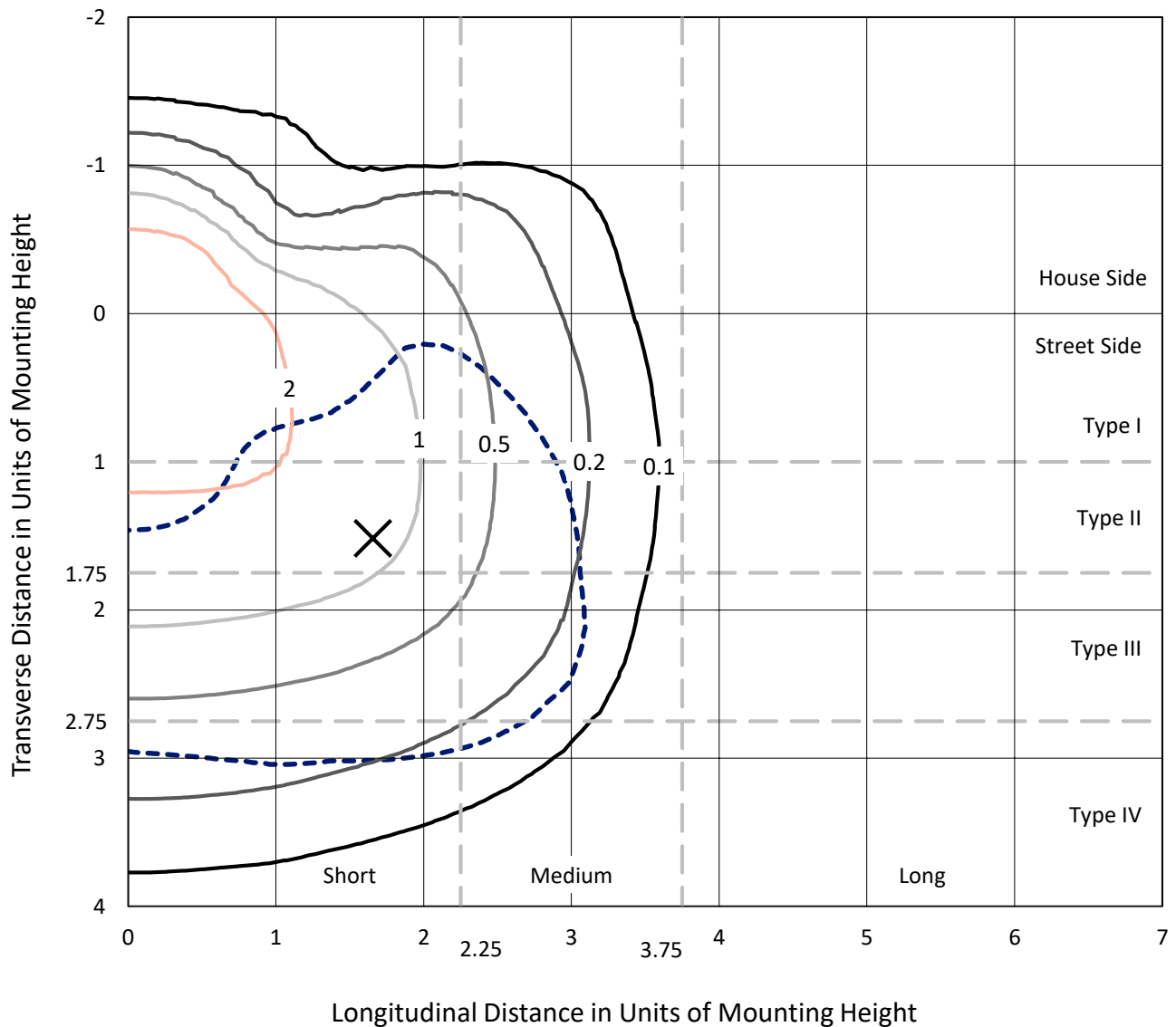
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

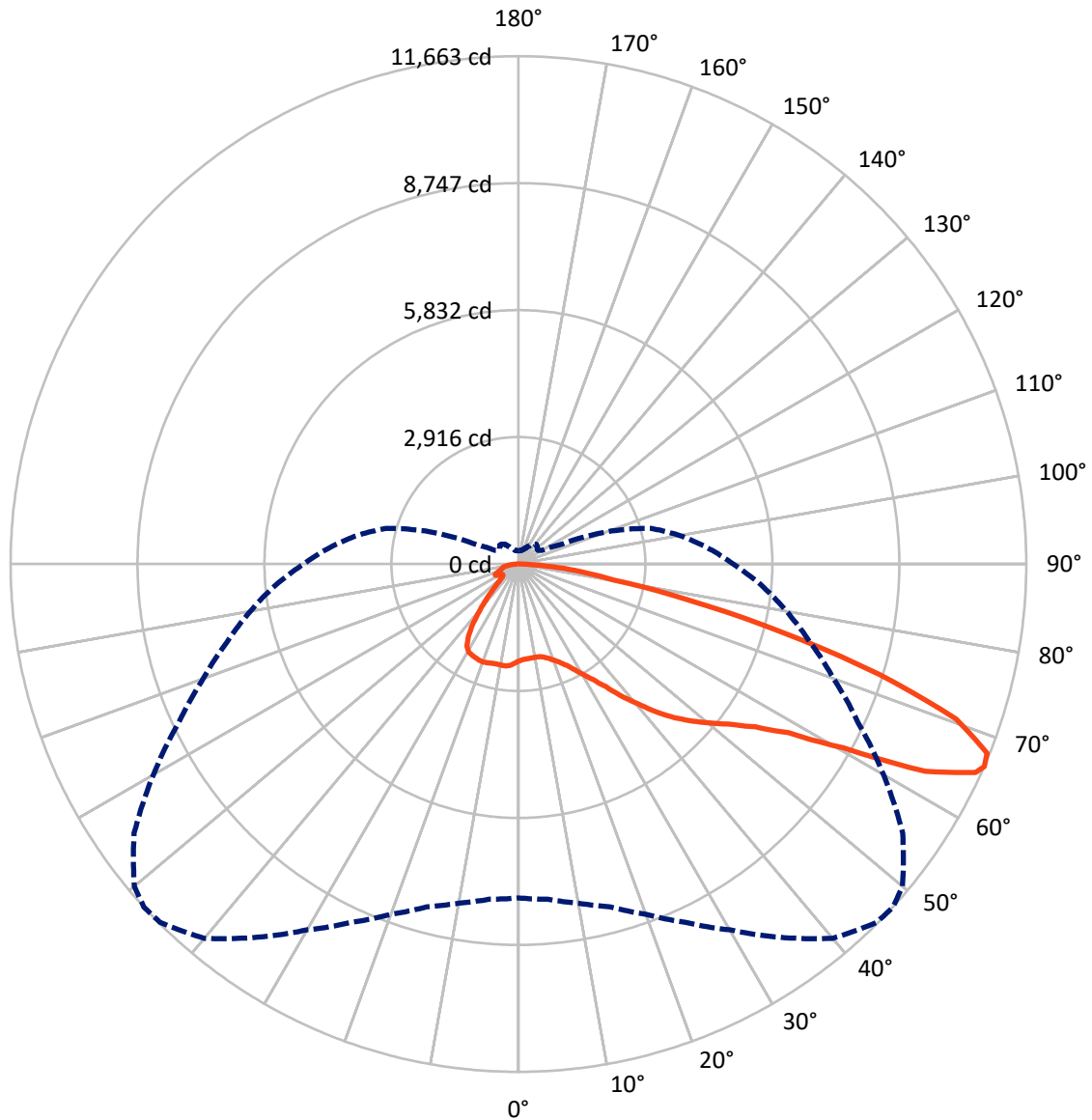
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3599.1	0.0	3599.1
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	13268.2	0.0	13268.2
	% Fixture	78.7	0.0	78.7
Total	Lumens	16867.3	0.0	16867.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.9	1.3
10°-20°	655.5	3.9
20°-30°	1129.0	6.7
30°-40°	1708.2	10.1
40°-50°	2214.0	13.1
50°-60°	3052.4	18.1
60°-70°	4742.4	28.1
70°-80°	2757.8	16.3
80°-90°	392.2	2.3
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°-90°	16867.3	100.0
0°-180°	16867.3	100.0



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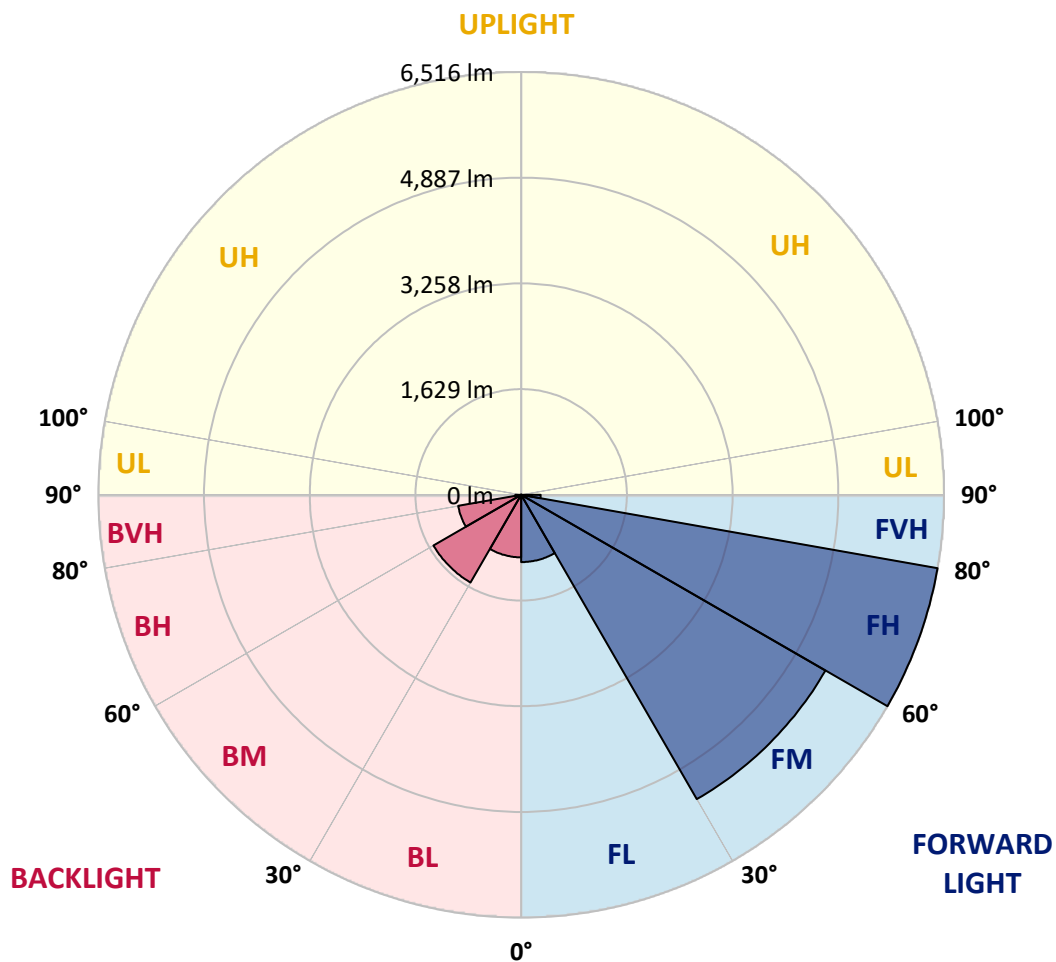
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.0	6.1			
FM (30°-60°)	5414.4	32.1			
FH (60°-80°)	6515.8	38.6			G3/7500
FVH (80°-90°)	301.0	1.8			G3/500
BL (0°-30°)	963.4	5.7	B2/1000		
BM (30°-60°)	1560.2	9.2	B2/2500		
BH (60°-80°)	984.3	5.8	B2/1000		G2/1000
BVH (80°-90°)	91.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3
2.5°	2182.3	2189.8	2184.2	2186.1	2186.1	2187.9	2187.9	2189.8	2187.9	2193.5	2197.2
5°	2143.3	2147.0	2145.1	2148.9	2152.6	2160.0	2158.2	2167.5	2169.3	2174.9	2184.2
7.5°	2128.4	2124.7	2126.5	2132.1	2135.8	2139.5	2143.3	2150.7	2156.3	2169.3	2176.8
10°	2143.3	2141.4	2143.3	2147.0	2147.0	2148.9	2145.1	2152.6	2156.3	2167.5	2174.9
12.5°	2204.7	2204.7	2200.9	2200.9	2197.2	2193.5	2184.2	2178.6	2176.8	2178.6	2182.3
15°	2303.3	2299.5	2292.1	2286.5	2279.1	2266.1	2253.0	2241.9	2234.4	2223.3	2219.5
17.5°	2400.0	2394.4	2387.0	2379.5	2370.2	2357.2	2336.8	2323.7	2303.3	2290.2	2282.8
20°	2511.6	2500.5	2491.2	2481.9	2463.3	2459.5	2439.1	2416.8	2392.6	2362.8	2359.1
22.5°	2656.8	2638.2	2627.0	2621.4	2602.8	2597.2	2563.7	2532.1	2502.3	2463.3	2454.0
25°	2803.7	2785.1	2779.6	2772.1	2759.1	2751.6	2720.0	2684.7	2645.6	2591.6	2580.5
27.5°	2947.0	2948.9	2934.0	2939.6	2935.8	2922.8	2891.2	2855.8	2826.1	2762.8	2749.8
30°	3125.6	3114.4	3107.0	3118.2	3105.1	3107.0	3079.1	3060.5	3012.1	2974.9	2948.9
32.5°	3311.6	3309.8	3321.0	3328.4	3326.5	3322.8	3300.5	3281.9	3239.1	3185.1	3174.0
35°	3566.5	3577.7	3587.0	3620.5	3620.5	3644.7	3622.3	3600.0	3549.8	3484.7	3462.3
37.5°	3739.6	3743.3	3780.5	3825.1	3881.0	3933.0	3947.9	3953.5	3933.0	3884.7	3851.2
40°	3897.7	3905.1	3964.7	4033.5	4115.4	4217.7	4279.1	4307.0	4312.6	4290.3	4217.7
42.5°	4055.8	4067.0	4128.4	4228.9	4342.4	4472.6	4580.5	4649.3	4688.4	4688.4	4645.6
45°	4240.0	4254.9	4321.9	4431.7	4563.7	4727.5	4876.3	5008.4	5071.7	5075.4	5034.4
47.5°	4457.7	4470.7	4548.9	4660.5	4796.3	4961.9	5149.8	5300.5	5417.7	5425.1	5391.7
50°	4738.6	4757.2	4822.4	4922.8	5062.4	5229.8	5417.7	5627.9	5750.7	5780.5	5745.2
52.5°	5110.7	5114.4	5168.4	5261.4	5397.2	5557.2	5756.3	5985.2	6147.0	6171.2	6113.5
55°	5624.2	5618.6	5654.0	5754.5	5856.8	5981.4	6187.9	6444.7	6625.2	6662.4	6602.8
57.5°	6321.9	6316.3	6346.1	6370.3	6561.9	6682.8	6885.6	7131.2	7306.1	7414.0	7311.7
60°	7402.8	7397.3	7445.6	7587.0	7730.3	7907.0	8104.2	8398.2	8643.8	8675.4	8574.9
62.5°	8186.1	8214.0	8320.1	8485.6	8775.9	9121.9	9482.8	9869.8	10374.0	10534.0	10485.6
65°	7912.6	7968.4	8115.4	8366.6	8753.5	9231.7	9797.3	10498.7	11174.0	11551.7	11540.5
66°	7667.0	7728.4	7908.9	8150.7	8560.1	9082.8	9700.5	10465.2	11220.5	11637.3	11663.3
67.5°	7220.5	7289.3	7466.1	7752.6	8150.7	8707.0	9371.2	10202.9	11056.8	11542.4	11611.2
70°	6351.7	6429.8	6558.2	6794.5	7187.0	7683.8	8383.3	9127.5	10022.4	10578.7	10662.4
72.5°	5309.8	5378.6	5521.9	5715.4	6037.2	6349.8	6898.6	7447.5	8087.5	8721.9	8660.5
75°	3812.1	3841.9	3927.5	4137.7	4310.7	4591.7	5032.6	5482.8	5920.0	6210.3	6251.2
77.5°	1981.4	2059.5	2180.5	2413.0	2600.9	2854.0	3140.5	3479.1	3799.1	4065.1	3992.6
80°	1296.8	1330.2	1438.1	1557.2	1694.9	1856.8	2048.4	2174.9	2215.8	2199.1	2215.8
82.5°	747.9	809.3	952.6	1043.7	1146.1	1201.9	1354.4	1499.5	1581.4	1479.1	1441.9
85°	94.9	122.8	387.0	487.4	558.1	641.9	688.4	775.8	723.7	647.4	788.8
87.5°	20.5	18.6	26.0	55.8	57.7	48.4	91.2	96.7	59.5	29.8	37.2
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3
2.5°	2200.9	2202.8	2206.5	2212.1	2215.8	2219.5	2223.3	2228.9	2232.6	2236.3	2243.7
5°	2191.6	2199.1	2206.5	2214.0	2223.3	2238.2	2247.5	2254.9	2262.3	2277.2	2282.8
7.5°	2186.1	2199.1	2210.2	2223.3	2238.2	2251.2	2267.9	2277.2	2288.4	2297.7	2308.9
10°	2182.3	2200.9	2212.1	2230.7	2247.5	2260.5	2279.1	2290.2	2303.3	2314.4	2320.0
12.5°	2189.8	2199.1	2210.2	2228.9	2249.3	2267.9	2288.4	2297.7	2308.9	2318.2	2320.0
15°	2221.4	2221.4	2223.3	2238.2	2258.6	2273.5	2290.2	2299.5	2305.1	2310.7	2310.7
17.5°	2279.1	2266.1	2256.8	2258.6	2271.6	2280.9	2290.2	2290.2	2286.5	2284.7	2280.9
20°	2346.1	2329.3	2310.7	2297.7	2294.0	2286.5	2280.9	2262.3	2247.5	2234.4	2225.1
22.5°	2442.8	2416.8	2390.7	2366.5	2344.2	2316.3	2284.7	2247.5	2212.1	2187.9	2173.0
25°	2561.9	2541.4	2509.8	2472.6	2444.7	2392.6	2351.6	2297.7	2253.0	2221.4	2195.4
27.5°	2731.2	2707.0	2677.2	2643.7	2602.8	2545.1	2494.9	2431.6	2377.7	2331.2	2297.7
30°	2941.4	2909.8	2887.5	2846.5	2818.6	2753.5	2703.3	2625.1	2520.9	2446.5	2400.0
32.5°	3157.2	3121.9	3103.3	3071.6	3040.0	3000.9	2924.7	2803.7	2669.8	2548.9	2468.9
35°	3445.6	3408.4	3374.9	3347.0	3300.5	3227.9	3160.9	3015.8	2831.6	2662.3	2528.4
37.5°	3808.4	3747.0	3663.3	3592.6	3510.7	3406.5	3304.2	3155.4	2945.1	2725.6	2547.0
40°	4195.4	4087.5	3968.4	3836.3	3694.9	3544.2	3427.0	3276.3	3040.0	2779.6	2534.0
42.5°	4599.1	4427.9	4262.4	4076.3	3879.1	3700.5	3547.9	3382.3	3110.7	2794.4	2481.9
45°	4999.1	4807.5	4556.3	4312.6	4063.3	3841.9	3670.7	3484.7	3175.8	2800.0	2413.0
47.5°	5330.3	5133.1	4846.5	4541.4	4245.6	3994.4	3793.5	3592.6	3263.3	2839.1	2396.3
50°	5680.0	5440.0	5121.9	4761.0	4426.1	4145.1	3931.2	3722.8	3386.1	2939.6	2450.2
52.5°	6061.4	5786.1	5414.0	5010.3	4643.7	4329.3	4096.8	3882.8	3542.3	3080.9	2552.6
55°	6526.6	6189.8	5786.1	5330.3	4937.7	4589.8	4333.0	4080.0	3728.4	3248.4	2680.9
57.5°	7237.3	6824.2	6370.3	5851.2	5415.8	5004.7	4697.7	4405.6	4016.8	3497.7	2855.8
60°	8522.8	8081.9	7492.1	6863.3	6351.7	5871.7	5421.4	5058.6	4580.5	3988.9	3242.8
62.5°	10364.7	9778.7	8991.7	8111.7	7441.9	6749.8	6241.9	5702.4	5108.9	4470.7	3698.6
65°	11388.0	10677.3	9624.2	8602.8	7741.4	6989.8	6344.2	5719.1	5060.5	4450.3	3804.7
66°	11514.5	10774.0	9680.1	8604.7	7700.5	6928.4	6249.3	5601.9	4928.4	4346.1	3760.0
67.5°	11462.4	10705.2	9577.7	8442.8	7523.8	6694.0	5992.6	5321.0	4649.3	4106.1	3611.2
70°	10608.4	9890.3	8783.3	7683.8	6811.2	5992.6	5322.8	4662.4	4046.5	3581.4	3216.8
72.5°	8809.4	8195.4	7233.5	6370.3	5685.6	5010.3	4442.8	3812.1	3291.2	2947.0	2731.2
75°	6359.1	5987.0	5110.7	4615.8	4014.9	3566.5	3015.8	2641.9	2267.9	2100.5	2063.3
77.5°	4016.8	3516.3	2960.0	2437.2	2003.7	1661.4	1293.0	1097.7	915.4	896.7	1082.8
80°	2033.5	1830.7	1410.2	1123.7	945.1	764.7	604.7	457.7	320.0	385.1	461.4
82.5°	1332.1	1110.7	870.7	716.3	623.3	517.2	401.9	279.1	204.7	230.7	316.3
85°	720.0	614.0	494.9	390.7	316.3	282.8	189.8	134.0	132.1	141.4	180.5
87.5°	52.1	52.1	40.9	37.2	44.7	37.2	33.5	33.5	31.6	33.5	44.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3	2223.3
2.5°	2247.5	2253.0	2254.9	2264.2	2269.8	2273.5	2277.2	2277.2	2279.1	2284.7	2286.5
5°	2290.2	2299.5	2310.7	2318.2	2321.9	2333.0	2336.8	2336.8	2340.5	2347.9	2353.5
7.5°	2316.3	2329.3	2340.5	2344.2	2351.6	2355.4	2360.9	2364.7	2364.7	2372.1	2375.8
10°	2325.6	2333.0	2344.2	2344.2	2351.6	2351.6	2357.2	2359.1	2359.1	2366.5	2372.1
12.5°	2325.6	2329.3	2338.6	2338.6	2344.2	2346.1	2353.5	2359.1	2360.9	2370.2	2377.7
15°	2314.4	2318.2	2325.6	2327.5	2340.5	2347.9	2364.7	2375.8	2375.8	2385.1	2388.9
17.5°	2282.8	2292.1	2307.0	2321.9	2346.1	2362.8	2383.3	2392.6	2385.1	2379.5	2374.0
20°	2230.7	2247.5	2282.8	2320.0	2362.8	2385.1	2396.3	2387.0	2360.9	2334.9	2318.2
22.5°	2178.6	2212.1	2271.6	2327.5	2375.8	2390.7	2385.1	2351.6	2308.9	2277.2	2254.9
25°	2202.8	2241.9	2299.5	2349.8	2381.4	2377.7	2355.4	2308.9	2262.3	2221.4	2184.2
27.5°	2303.3	2346.1	2377.7	2394.4	2390.7	2364.7	2329.3	2277.2	2221.4	2167.5	2115.4
30°	2398.2	2420.5	2427.9	2414.9	2385.1	2342.3	2297.7	2238.2	2163.7	2096.8	2037.2
32.5°	2440.9	2418.6	2383.3	2347.9	2299.5	2262.3	2200.9	2135.8	2042.8	1962.8	1903.3
35°	2440.9	2351.6	2262.3	2187.9	2115.4	2068.8	1998.2	1910.7	1825.1	1758.2	1711.6
37.5°	2387.0	2215.8	2068.8	1947.9	1856.8	1806.5	1700.5	1622.3	1549.8	1527.5	1497.7
40°	2288.4	2035.4	1823.3	1665.1	1549.8	1475.4	1369.3	1315.4	1287.4	1276.3	1270.7
42.5°	2156.3	1834.4	1551.6	1356.3	1231.6	1147.9	1077.2	1043.7	1041.9	1040.0	1040.0
45°	2014.9	1618.6	1287.4	1054.9	945.1	870.7	837.2	824.2	835.4	833.5	835.4
47.5°	1927.5	1454.9	1045.6	798.1	714.4	666.1	649.3	654.9	664.2	660.5	660.5
50°	1916.3	1371.2	883.7	621.4	558.1	534.0	530.2	530.2	535.8	532.1	530.2
52.5°	1957.2	1358.1	800.0	534.0	483.7	463.3	459.5	457.7	455.8	444.7	435.4
55°	2027.9	1387.9	775.8	511.6	459.5	437.2	431.6	427.9	420.5	405.6	388.8
57.5°	2169.3	1480.9	798.1	522.8	467.0	448.4	442.8	442.8	427.9	403.7	379.5
60°	2509.8	1717.2	889.3	565.6	502.3	483.7	487.4	485.6	463.3	427.9	390.7
62.5°	2948.9	2026.1	1008.4	625.1	547.0	543.3	561.9	558.1	520.9	467.0	413.0
65°	3151.6	2171.2	1041.9	638.1	556.3	573.0	610.2	606.5	560.0	485.6	416.7
66°	3155.4	2171.2	1027.0	627.0	543.3	563.7	600.9	599.1	552.6	478.1	409.3
67.5°	3079.1	2111.6	984.2	604.7	517.2	532.1	565.6	563.7	520.9	459.5	394.4
70°	2792.6	1890.2	874.4	565.6	481.9	474.4	485.6	478.1	450.2	407.4	362.8
72.5°	2392.6	1587.0	762.8	535.8	457.7	427.9	420.5	414.9	392.6	368.4	340.5
75°	1884.7	1255.8	669.8	513.5	435.4	396.3	383.3	375.8	360.9	344.2	321.9
77.5°	1162.8	898.6	584.2	483.7	418.6	379.5	370.2	359.1	336.7	316.3	299.5
80°	519.1	556.3	480.0	422.3	374.0	338.6	323.7	307.0	284.7	271.6	262.3
82.5°	346.0	359.1	347.9	316.3	282.8	254.9	232.6	232.6	228.8	217.7	214.0
85°	221.4	223.3	215.8	195.4	182.3	165.6	156.3	158.1	165.6	163.7	161.9
87.5°	50.2	50.2	59.5	55.8	65.1	68.8	74.4	80.0	91.2	91.2	96.7
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):

	160°	165°	170°	175°	180°
0°	2223.3	2223.3	2223.3	2223.3	2223.3
2.5°	2288.4	2292.1	2295.8	2290.2	2292.1
5°	2353.5	2351.6	2360.9	2355.4	2359.1
7.5°	2374.0	2375.8	2383.3	2383.3	2385.1
10°	2375.8	2379.5	2388.9	2394.4	2398.2
12.5°	2385.1	2392.6	2407.5	2411.2	2411.2
15°	2392.6	2396.3	2405.6	2409.3	2413.0
17.5°	2366.5	2359.1	2362.8	2364.7	2362.8
20°	2301.4	2294.0	2292.1	2284.7	2288.4
22.5°	2230.7	2210.2	2197.2	2182.3	2182.3
25°	2145.1	2113.5	2087.5	2061.4	2067.0
27.5°	2065.1	2024.2	1998.2	1981.4	1977.7
30°	1987.0	1944.2	1920.0	1899.5	1899.5
32.5°	1856.8	1827.0	1795.4	1782.3	1780.5
35°	1676.3	1657.7	1631.6	1626.1	1616.8
37.5°	1473.5	1467.9	1445.6	1443.7	1434.4
40°	1261.4	1265.1	1257.7	1254.0	1248.4
42.5°	1049.3	1067.9	1064.2	1062.3	1058.6
45°	846.5	859.5	861.4	867.0	876.3
47.5°	666.1	669.8	673.5	671.6	673.5
50°	520.9	511.6	509.8	504.2	509.8
52.5°	420.5	405.6	398.1	390.7	387.0
55°	370.2	355.4	347.9	344.2	340.5
57.5°	357.2	342.3	331.2	323.7	321.9
60°	360.9	338.6	323.7	314.4	312.6
62.5°	370.2	340.5	320.0	310.7	308.8
65°	368.4	336.7	318.1	307.0	305.1
66°	362.8	333.0	314.4	305.1	303.3
67.5°	353.5	327.4	310.7	303.3	299.5
70°	336.7	320.0	307.0	297.7	294.0
72.5°	321.9	308.8	297.7	288.4	286.5
75°	305.1	294.0	282.8	275.4	273.5
77.5°	284.7	273.5	266.0	260.5	258.6
80°	251.2	243.7	236.3	228.8	228.8
82.5°	208.4	202.8	195.4	189.8	187.9
85°	160.0	160.0	154.4	148.8	147.0
87.5°	94.9	93.0	93.0	87.4	87.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)