

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: P180907

Luminaire Tested: **ICM-E06-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180907
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
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-SL4-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15059.5 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B2 - U0 - G3

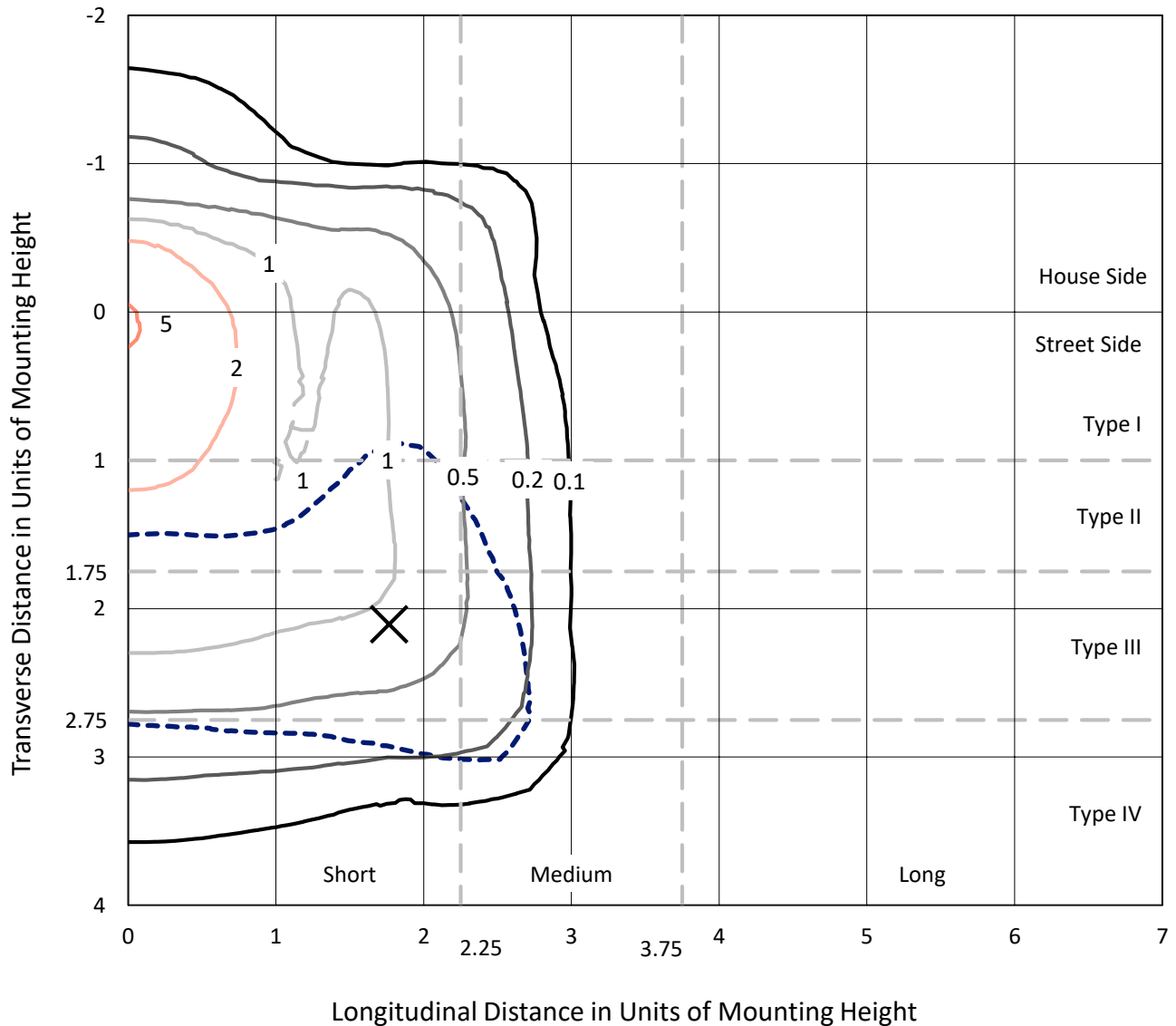
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

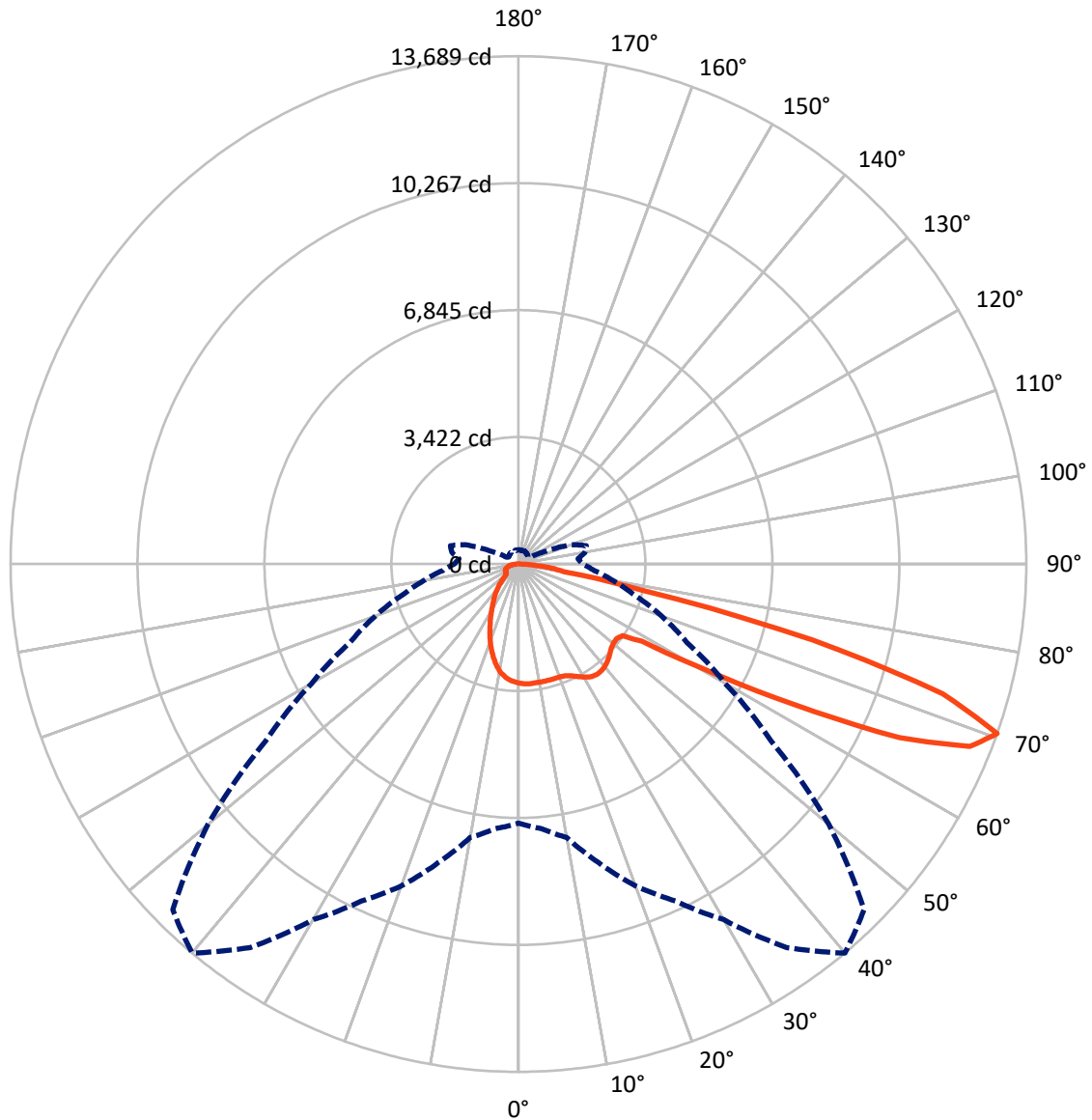
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3126.2	0.0	3126.2
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	11933.3	0.0	11933.3
	% Fixture	79.2	0.0	79.2
Total	Lumens	15059.5	0.0	15059.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.2	2.0
10°-20°	821.8	5.5
20°-30°	1216.5	8.1
30°-40°	1537.4	10.2
40°-50°	1738.7	11.5
50°-60°	2474.2	16.4
60°-70°	4608.0	30.6
70°-80°	2111.9	14.0
80°-90°	250.7	1.7
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°	15059.5	100.0
0°-180°	15059.5	100.0



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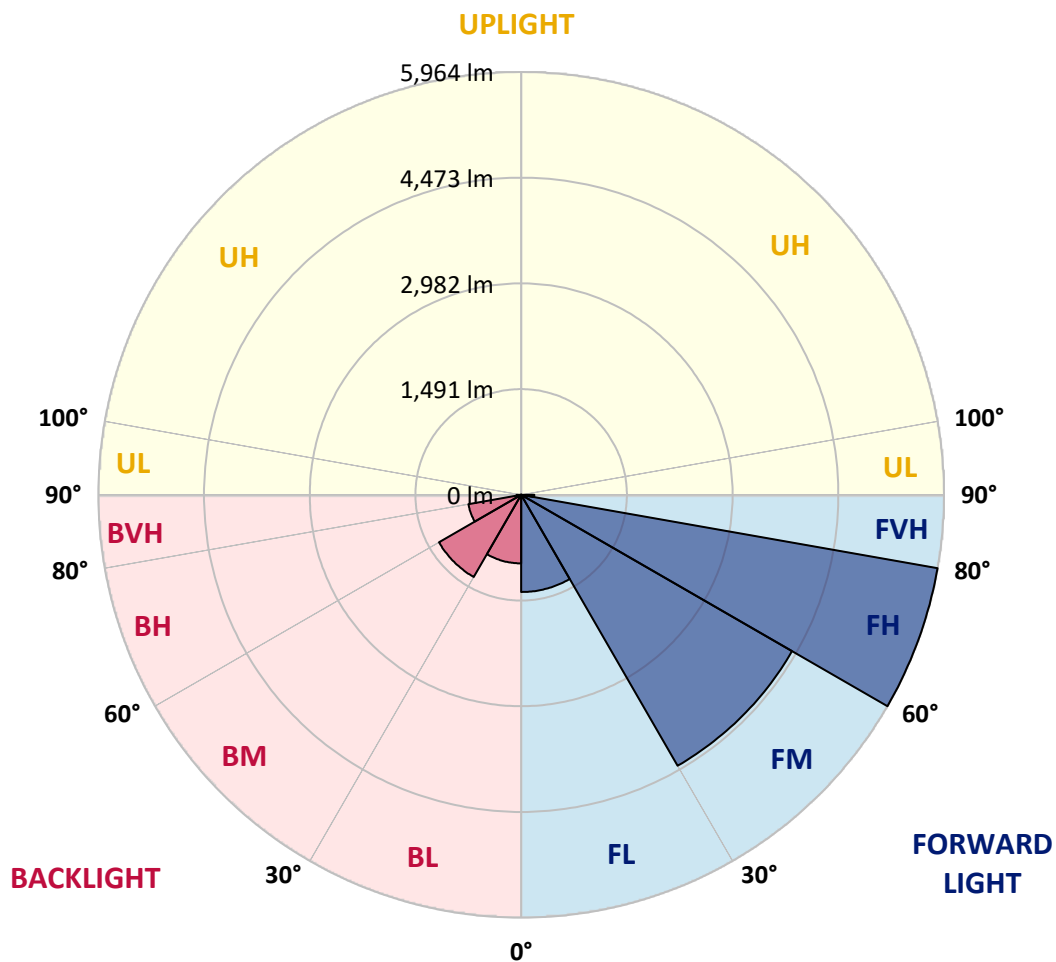
CATALOG NUMBER: ICM-E06-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1371.3	9.1			
FM	(30°-60°)	4411.9	29.3			
FH	(60°-80°)	5964.1	39.6			G3/7500
FVH	(80°-90°)	186.0	1.2			G2/225
BL	(0°-30°)	967.3	6.4	B2/1000		
BM	(30°-60°)	1338.4	8.9	B2/2500		
BH	(60°-80°)	755.8	5.0	B2/1000		G2/1000
BVH	(80°-90°)	64.7	0.4			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°	50°
0°	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3
2.5°	3262.6	3271.1	3260.9	3259.2	3259.2	3257.5	3247.3	3245.6	3232.0	3233.7	3237.1
5°	3286.3	3289.8	3283.0	3281.3	3277.9	3271.1	3262.6	3252.4	3242.2	3232.0	3223.6
7.5°	3310.2	3306.8	3301.7	3301.7	3296.6	3286.3	3269.4	3255.8	3233.7	3221.8	3206.5
10°	3344.1	3339.1	3332.3	3328.9	3320.4	3305.0	3281.3	3262.6	3235.4	3211.6	3186.2
12.5°	3376.5	3374.7	3364.6	3359.5	3345.9	3330.5	3301.7	3272.8	3237.1	3199.7	3165.7
15°	3434.3	3427.5	3417.2	3407.0	3385.0	3364.6	3320.4	3286.3	3235.4	3186.2	3133.4
17.5°	3534.4	3522.6	3512.4	3490.3	3463.1	3427.5	3362.8	3305.0	3235.4	3164.0	3104.6
20°	3718.0	3692.5	3678.9	3650.1	3602.4	3537.9	3437.6	3344.1	3240.5	3148.8	3068.9
22.5°	3925.3	3908.3	3889.6	3870.9	3796.1	3702.7	3566.7	3427.5	3271.1	3142.0	3040.0
25°	4158.1	4136.0	4125.8	4093.5	4023.8	3916.8	3731.6	3537.9	3340.8	3169.1	3040.0
27.5°	4365.4	4358.6	4357.0	4319.6	4253.2	4127.6	3908.3	3675.6	3435.9	3225.2	3065.5
30°	4554.1	4547.3	4543.8	4523.5	4447.0	4297.4	4059.6	3797.9	3539.6	3303.4	3113.0
32.5°	4754.5	4732.5	4722.3	4683.2	4596.5	4421.5	4149.6	3877.7	3621.1	3379.8	3165.7
35°	4917.7	4899.0	4878.6	4822.5	4700.2	4492.9	4188.7	3905.0	3653.4	3422.3	3192.9
37.5°	5036.6	5017.9	4989.1	4917.7	4766.4	4516.7	4187.0	3896.4	3641.5	3415.6	3198.1
40°	5089.3	5070.6	5040.0	4950.0	4778.4	4503.1	4154.7	3857.3	3605.9	3379.8	3177.6
42.5°	5068.9	5055.3	5016.2	4929.6	4741.0	4441.9	4090.2	3784.3	3537.9	3322.1	3131.7
45°	4990.7	4980.6	4943.2	4851.4	4656.0	4343.3	3995.0	3692.5	3456.3	3250.7	3070.5
47.5°	4873.5	4870.1	4832.7	4742.6	4549.0	4244.8	3896.4	3602.4	3374.7	3181.0	3019.6
50°	4744.3	4727.4	4708.7	4625.4	4448.7	4159.8	3825.0	3546.3	3328.9	3155.6	2997.5
52.5°	4662.8	4657.7	4640.7	4565.9	4396.0	4110.5	3792.8	3526.0	3325.5	3150.4	2985.6
55°	5386.6	5398.5	5242.3	4917.7	4632.2	4246.4	3889.6	3629.6	3408.8	3232.0	3111.4
57.5°	7967.9	7915.2	7646.7	7002.6	6275.4	5315.3	4623.7	4204.0	3930.4	3961.0	4022.2
60°	9283.1	9272.9	9223.6	8973.8	8489.5	7758.8	6948.3	6018.8	5723.1	5755.4	5779.2
62.5°	9871.0	9886.3	9923.7	9830.3	9702.9	9490.4	9086.0	8712.1	8316.2	8168.4	7772.4
65°	10142.9	10170.1	10255.0	10307.8	10357.0	10394.4	10554.1	10992.5	11281.5	10741.1	9483.6
67.5°	9580.4	9711.3	9991.7	10265.3	10509.9	10858.3	11398.7	12416.5	13125.1	12460.7	10637.4
70°	6983.9	7162.4	7483.6	8329.8	9233.8	10024.0	11070.8	12620.4	13689.3	13176.1	10922.9
72.5°	4379.0	4428.3	4571.0	4882.0	5553.2	6567.7	8397.8	10722.4	11956.1	11546.5	9232.1
75°	2778.3	2795.3	2790.2	2861.6	2975.5	3196.3	3920.2	6333.2	8190.5	7551.6	5145.3
77.5°	1655.1	1680.6	1690.8	1712.8	1767.3	1845.4	1904.8	2154.7	3434.3	3334.0	1867.5
80°	1386.6	1407.0	1390.0	1384.9	1350.9	1327.2	1356.0	1327.2	1232.0	1186.1	1092.7
82.5°	734.1	732.4	727.3	776.6	876.8	955.0	1014.4	1000.8	905.7	771.4	654.2
85°	402.7	416.3	416.3	433.3	418.0	419.7	433.3	457.1	423.1	353.5	288.8
87.5°	34.0	52.7	42.5	52.7	71.3	51.0	49.3	49.3	42.5	30.6	27.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3
2.5°	3228.6	3225.2	3218.4	3213.3	3213.3	3204.9	3199.7	3196.3	3194.6	3187.8	3187.8
5°	3218.4	3206.5	3194.6	3186.2	3181.0	3172.6	3158.9	3152.1	3143.6	3136.9	3133.4
7.5°	3196.3	3174.3	3155.6	3142.0	3124.9	3111.4	3094.3	3079.1	3063.7	3056.9	3053.6
10°	3162.3	3133.4	3104.6	3079.1	3055.3	3031.5	3009.4	2987.3	2968.6	2955.0	2941.4
12.5°	3130.1	3085.9	3048.5	3011.1	2973.7	2944.9	2914.3	2882.0	2854.8	2829.3	2822.4
15°	3085.9	3034.9	2987.3	2941.4	2895.6	2848.0	2810.6	2774.9	2730.7	2701.9	2679.7
17.5°	3045.0	2983.9	2926.2	2871.7	2815.6	2766.4	2710.3	2662.7	2618.5	2574.4	2542.1
20°	3000.9	2934.6	2873.5	2812.3	2751.1	2688.2	2623.6	2562.5	2508.1	2455.5	2402.8
22.5°	2961.8	2893.9	2834.3	2768.1	2700.1	2628.8	2554.0	2477.5	2414.6	2346.7	2285.5
25°	2938.1	2863.3	2802.1	2737.5	2662.7	2584.6	2499.6	2409.6	2333.1	2254.9	2181.9
27.5°	2938.1	2841.1	2778.3	2713.7	2637.2	2554.0	2460.6	2362.0	2275.4	2188.7	2098.6
30°	2963.6	2844.6	2759.6	2691.6	2613.5	2523.5	2419.7	2316.1	2220.9	2119.0	2032.3
32.5°	2987.3	2851.4	2746.0	2659.4	2569.3	2480.9	2375.5	2265.1	2159.7	2062.9	1971.2
35°	3002.6	2851.4	2720.5	2610.1	2508.1	2421.4	2317.8	2207.4	2100.3	2005.1	1920.2
37.5°	3004.3	2837.8	2679.7	2554.0	2446.9	2356.9	2258.3	2154.7	2052.8	1964.4	1892.9
40°	2987.3	2810.6	2639.0	2494.5	2382.3	2290.6	2200.6	2107.1	2015.4	1942.2	1881.1
42.5°	2956.8	2781.7	2599.9	2446.9	2329.7	2234.5	2151.3	2071.4	1991.5	1928.7	1877.7
45°	2910.8	2742.6	2564.2	2418.1	2302.5	2202.2	2120.7	2054.4	1986.4	1933.8	1882.8
47.5°	2870.1	2729.0	2576.1	2436.8	2316.1	2212.5	2129.2	2073.1	2020.4	1984.8	1915.1
50°	2861.6	2722.2	2581.2	2452.0	2329.7	2224.4	2151.3	2122.3	2107.1	2085.0	1978.0
52.5°	2837.8	2720.5	2618.5	2547.2	2469.0	2419.7	2343.3	2370.4	2353.5	2275.4	2081.6
55°	3087.6	3121.5	3216.7	3352.7	3478.4	3507.3	3498.8	3466.5	3294.9	2834.3	2331.4
57.5°	4244.8	4436.8	4616.9	4696.8	4686.5	4596.5	4531.9	4401.1	4153.0	3592.2	2824.2
60°	5852.3	5882.8	5787.7	5646.6	5408.8	5210.0	4997.5	4752.9	4392.6	3843.7	3126.6
62.5°	7332.3	6921.2	6498.0	6100.4	5738.5	5422.4	5126.7	4785.1	4316.1	3743.5	3087.6
65°	8377.4	7507.4	6839.6	6268.6	5757.2	5315.3	4946.5	4503.1	3974.6	3458.0	2861.6
67.5°	8916.1	7582.1	6557.4	5762.2	5036.6	4424.9	3933.8	3502.2	3109.7	2883.6	2504.8
70°	8314.5	6435.1	5007.8	4108.9	3240.5	2598.2	2052.8	1723.1	1609.2	1823.3	1896.4
72.5°	6195.6	4188.7	2978.8	2304.2	1765.5	1407.0	1079.1	847.9	689.9	723.9	939.7
75°	2929.5	1808.0	1277.9	972.0	773.1	640.7	523.4	479.2	401.0	333.0	312.7
77.5°	1140.2	831.0	686.5	503.0	356.8	287.2	244.7	236.2	241.3	234.5	231.1
80°	868.3	587.9	368.7	270.1	232.8	205.6	181.9	175.1	178.4	186.9	195.4
82.5°	484.3	302.5	224.3	195.4	175.1	149.5	135.9	125.8	127.4	137.7	156.4
85°	186.9	146.1	134.2	129.1	120.7	96.8	83.3	84.9	96.8	115.5	115.5
87.5°	20.4	20.4	27.2	20.4	20.4	20.4	18.7	22.0	23.8	30.6	35.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3	3213.3
2.5°	3184.4	3184.4	3184.4	3181.0	3182.7	3175.9	3175.9	3170.8	3179.4	3174.3	3172.6
5°	3135.2	3133.4	3126.6	3126.6	3126.6	3126.6	3131.7	3118.2	3128.4	3128.4	3123.3
7.5°	3051.9	3051.9	3033.2	3043.4	3040.0	3045.0	3051.9	3045.0	3055.3	3062.1	3056.9
10°	2936.3	2936.3	2921.0	2932.9	2927.8	2939.7	2951.6	2944.9	2951.6	2961.8	2965.2
12.5°	2808.9	2802.1	2788.5	2793.6	2793.6	2800.4	2805.5	2814.0	2822.4	2836.1	2842.9
15°	2661.0	2650.9	2633.9	2633.9	2623.6	2627.1	2637.2	2640.7	2657.7	2676.4	2698.4
17.5°	2509.8	2484.3	2465.6	2443.5	2426.5	2440.1	2452.0	2460.6	2474.2	2503.0	2518.3
20°	2367.1	2316.1	2280.4	2251.5	2232.9	2241.3	2256.7	2266.8	2278.7	2285.5	2290.6
22.5°	2226.1	2168.3	2119.0	2083.3	2052.8	2061.2	2054.4	2049.3	2057.8	2035.7	2034.1
25°	2103.7	2035.7	1969.4	1927.0	1889.6	1877.7	1842.0	1833.5	1809.7	1791.0	1777.4
27.5°	2015.4	1927.0	1853.9	1804.7	1745.1	1700.9	1655.1	1609.2	1583.7	1553.1	1537.9
30°	1945.7	1852.2	1765.5	1682.2	1604.1	1536.1	1475.0	1415.5	1374.7	1330.5	1301.7
32.5°	1881.1	1794.4	1689.0	1575.3	1469.9	1393.4	1313.5	1245.6	1181.0	1123.2	1080.8
35°	1836.9	1740.0	1605.8	1466.4	1347.5	1257.5	1172.5	1075.6	997.5	922.7	876.8
37.5°	1813.1	1694.1	1529.3	1374.7	1242.1	1140.2	1034.9	922.7	827.5	757.9	688.2
40°	1794.4	1648.3	1461.4	1293.1	1153.8	1031.4	909.1	776.6	671.2	598.1	543.7
42.5°	1774.1	1597.3	1401.9	1228.6	1074.0	931.2	783.4	642.3	542.0	491.1	467.3
45°	1751.9	1553.1	1345.8	1167.4	995.7	822.4	652.6	521.7	462.2	445.2	445.2
47.5°	1746.8	1524.3	1305.0	1107.9	907.4	696.7	531.9	450.3	433.3	436.7	443.5
50°	1767.3	1515.7	1269.3	1038.2	790.1	564.2	450.3	423.1	426.5	436.7	446.9
52.5°	1816.5	1522.5	1232.0	941.4	650.8	465.6	416.3	414.6	424.8	440.1	450.3
55°	1899.8	1522.5	1160.6	796.9	520.0	418.0	404.5	411.3	424.8	438.4	446.9
57.5°	2078.2	1507.3	1034.9	637.2	435.0	401.0	401.0	409.5	421.4	435.0	441.8
60°	2290.6	1486.9	858.1	492.7	392.6	387.4	399.4	409.5	419.7	431.6	438.4
62.5°	2304.2	1434.1	679.7	407.8	370.4	379.0	397.6	411.3	414.6	423.1	431.6
65°	2117.3	1250.7	540.4	365.3	360.3	373.9	392.6	402.7	404.5	407.8	416.3
67.5°	1853.9	1019.5	436.7	344.9	350.0	365.3	375.5	384.0	389.1	397.6	399.4
70°	1522.5	819.1	373.9	324.6	329.7	346.6	355.2	363.6	373.9	384.0	379.0
72.5°	1079.1	637.2	328.0	302.5	309.3	324.6	334.8	341.6	350.0	360.3	353.5
75°	458.8	445.2	283.8	273.6	283.8	294.0	304.2	314.3	322.9	328.0	328.0
77.5°	234.5	261.7	244.7	244.7	251.5	261.7	270.1	280.4	285.5	290.6	297.4
80°	198.8	202.2	205.6	212.4	219.2	229.4	237.9	246.4	248.1	249.8	253.2
82.5°	164.8	171.6	175.1	185.2	190.3	193.7	198.8	198.8	202.2	202.2	197.1
85°	119.0	127.4	132.6	134.2	132.6	134.2	135.9	139.3	147.8	147.8	141.0
87.5°	34.0	32.3	40.7	42.5	45.9	52.7	59.4	71.3	74.8	78.1	78.1
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):

	165°	170°	175°	180°
0°	3213.3	3213.3	3213.3	3213.3
2.5°	3170.8	3174.3	3167.5	3169.1
5°	3123.3	3130.1	3121.5	3131.7
7.5°	3062.1	3072.3	3070.5	3068.9
10°	2973.7	2987.3	2987.3	2992.4
12.5°	2861.6	2870.1	2876.9	2880.3
15°	2710.3	2725.6	2734.2	2734.2
17.5°	2528.5	2538.7	2543.8	2537.0
20°	2297.4	2294.0	2295.7	2278.7
22.5°	2030.6	2035.7	2020.4	2023.8
25°	1768.9	1760.5	1767.3	1757.0
27.5°	1515.7	1517.4	1498.8	1507.3
30°	1274.4	1266.0	1242.1	1254.1
32.5°	1041.7	1019.5	994.1	978.8
35°	822.4	788.5	776.6	771.4
37.5°	645.7	608.4	596.5	582.9
40°	513.2	499.5	494.5	497.9
42.5°	460.5	460.5	463.9	465.6
45°	446.9	452.0	457.1	458.8
47.5°	448.6	453.7	460.5	462.2
50°	452.0	457.1	462.2	463.9
52.5°	453.7	453.7	457.1	458.8
55°	450.3	448.6	450.3	452.0
57.5°	443.5	440.1	441.8	446.9
60°	440.1	435.0	438.4	441.8
62.5°	431.6	430.0	433.3	435.0
65°	412.9	414.6	419.7	419.7
67.5°	395.9	397.6	399.4	401.0
70°	375.5	377.2	380.7	382.3
72.5°	351.7	358.5	363.6	370.4
75°	333.0	339.8	350.0	356.8
77.5°	300.7	305.9	317.8	326.2
80°	254.9	253.2	254.9	260.0
82.5°	195.4	195.4	193.7	192.0
85°	137.7	135.9	130.9	130.9
87.5°	74.8	73.0	71.3	68.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)