

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: P180908

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180908
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16488.2 lumens
Efficiency: N/A
Efficacy: 109.6 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: B3 - U0 - G3

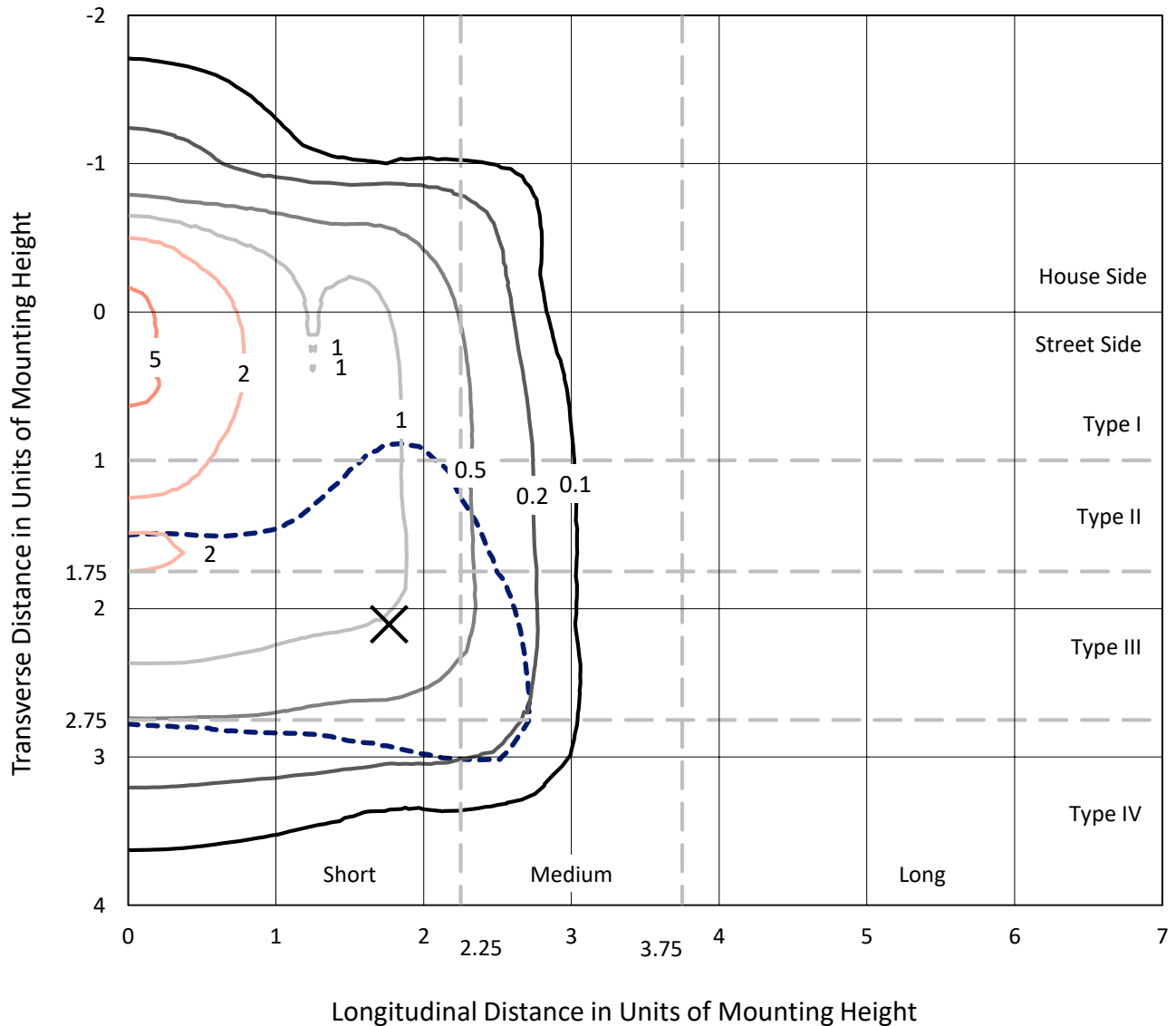
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

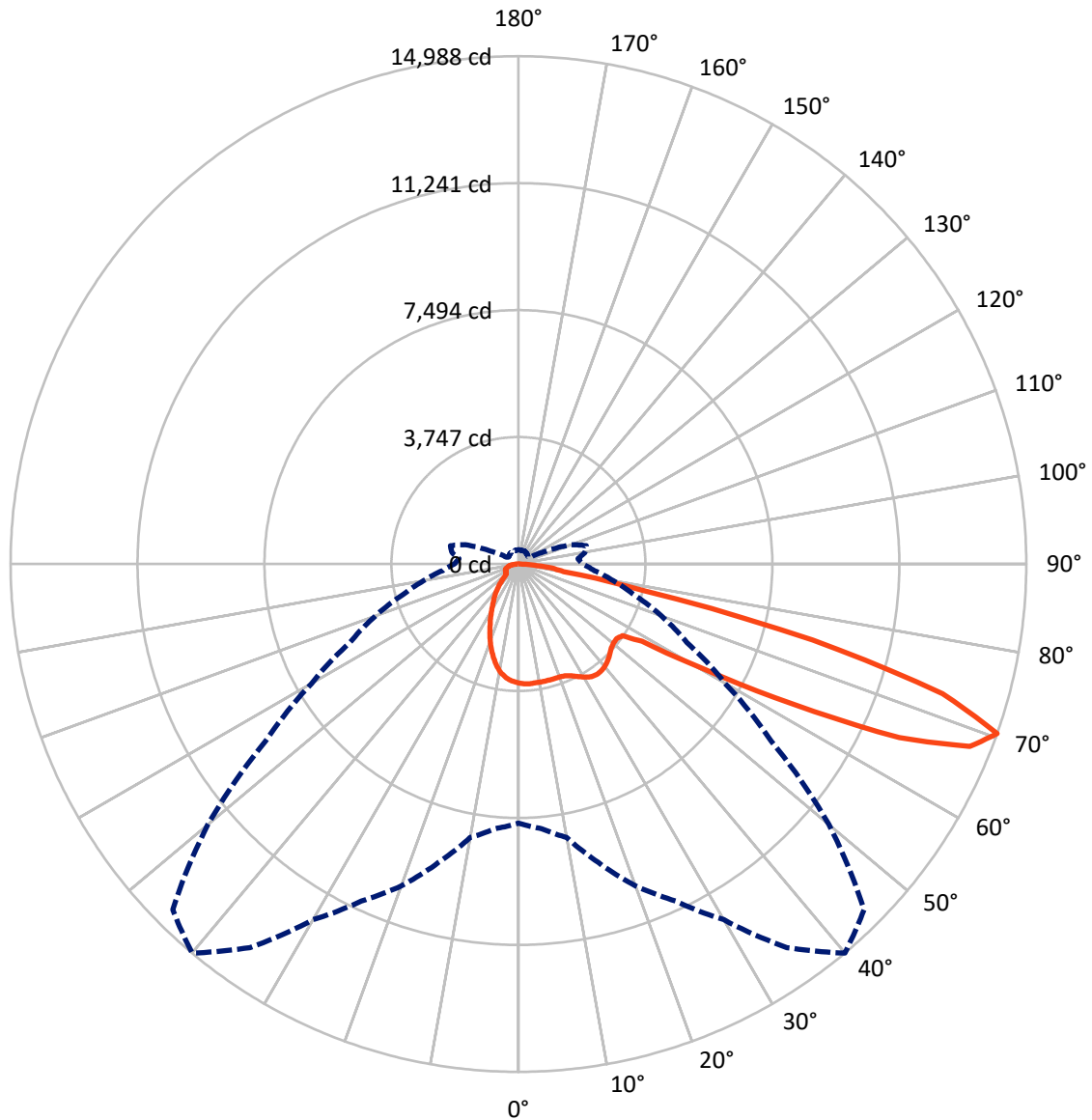
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	3422.8	0.0	3422.8
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	13065.4	0.0	13065.4
	% Fixture	79.2	0.0	79.2
Total	Lumens	16488.2	0.0	16488.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.7	2.0
10°-20°	899.8	5.5
20°-30°	1332.0	8.1
30°-40°	1683.3	10.2
40°-50°	1903.7	11.5
50°-60°	2709.0	16.4
60°-70°	5045.2	30.6
70°-80°	2312.2	14.0
80°-90°	274.5	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°	16488.2	100.0
0°-180°	16488.2	100.0



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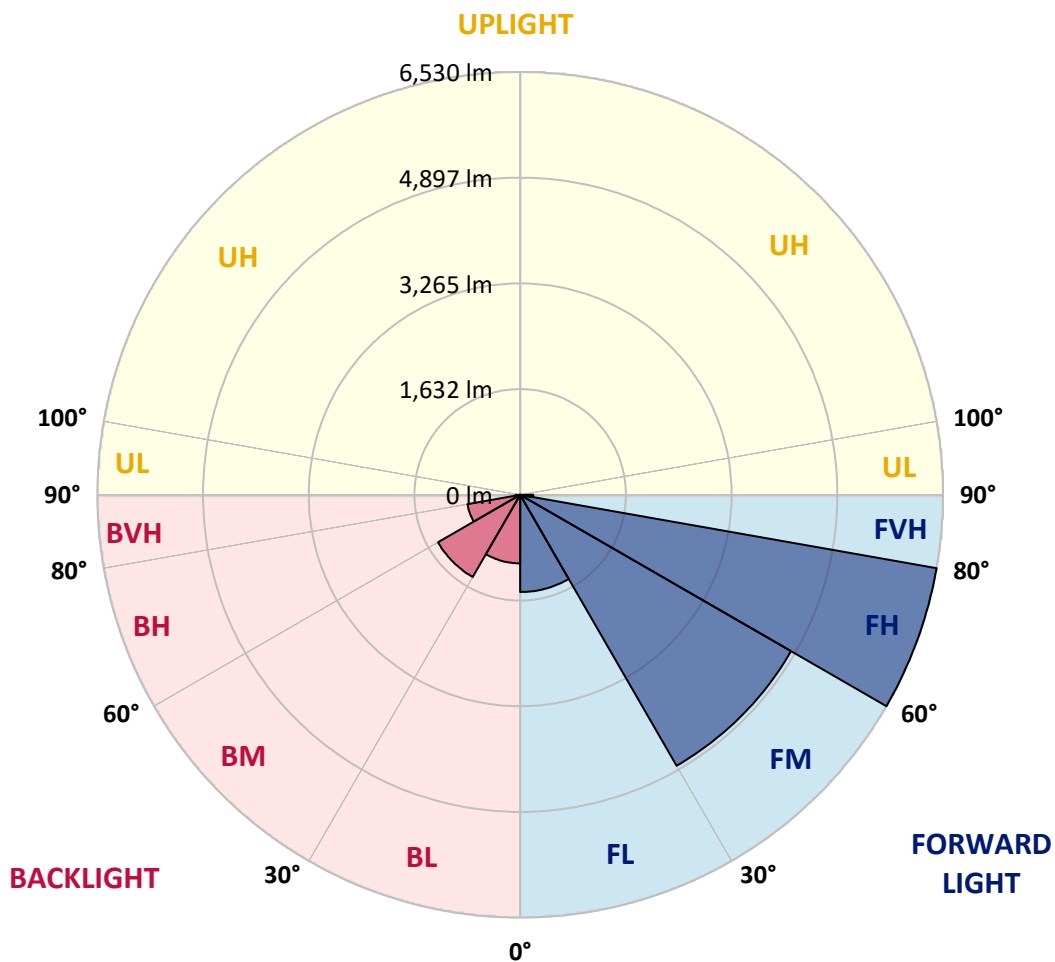
CATALOG NUMBER: ICM-E06-LED-E1-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1501.4	9.1			
FM	(30°-60°)	4830.5	29.3			
FH	(60°-80°)	6530.0	39.6			G3/7500
FVH	(80°-90°)	203.6	1.2			G2/225
BL	(0°-30°)	1059.0	6.4	B3/2500		
BM	(30°-60°)	1465.4	8.9	B2/2500		
BH	(60°-80°)	827.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	70.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2
2.5°	3572.1	3581.4	3570.3	3568.4	3568.4	3566.5	3555.4	3553.5	3538.6	3540.5	3544.2
5°	3598.2	3601.9	3594.4	3592.6	3588.9	3581.4	3572.1	3561.0	3549.8	3538.6	3529.3
7.5°	3624.2	3620.5	3614.9	3614.9	3609.3	3598.2	3579.6	3564.7	3540.5	3527.5	3510.7
10°	3661.4	3655.8	3648.4	3644.7	3635.4	3618.6	3592.6	3572.1	3542.3	3516.3	3488.4
12.5°	3696.8	3694.9	3683.7	3678.2	3663.3	3646.5	3614.9	3583.3	3544.2	3503.3	3466.1
15°	3760.0	3752.6	3741.4	3730.3	3706.1	3683.7	3635.4	3598.2	3542.3	3488.4	3430.7
17.5°	3869.8	3856.8	3845.6	3821.4	3791.7	3752.6	3681.9	3618.6	3542.3	3464.2	3399.1
20°	4070.7	4042.8	4027.9	3996.3	3944.2	3873.5	3763.7	3661.4	3547.9	3447.5	3360.0
22.5°	4297.7	4279.1	4258.6	4238.2	4156.3	4054.0	3905.1	3752.6	3581.4	3440.0	3328.4
25°	4552.6	4528.4	4517.2	4481.9	4405.6	4288.4	4085.6	3873.5	3657.7	3469.8	3328.4
27.5°	4779.6	4772.1	4770.3	4729.3	4656.8	4519.1	4279.1	4024.2	3761.9	3531.2	3356.3
30°	4986.1	4978.6	4974.9	4952.6	4868.9	4705.1	4444.7	4158.2	3875.4	3616.8	3408.4
32.5°	5205.6	5181.4	5170.3	5127.5	5032.6	4841.0	4543.3	4245.6	3964.7	3700.5	3466.1
35°	5384.2	5363.8	5341.4	5280.0	5146.1	4919.1	4586.1	4275.4	4000.0	3747.0	3495.8
37.5°	5514.5	5494.0	5462.4	5384.2	5218.6	4945.1	4584.2	4266.1	3987.0	3739.6	3501.4
40°	5572.1	5551.7	5518.2	5419.6	5231.7	4930.3	4548.9	4223.3	3947.9	3700.5	3479.1
42.5°	5549.8	5534.9	5492.1	5397.2	5190.7	4863.3	4478.2	4143.3	3873.5	3637.2	3428.9
45°	5464.2	5453.1	5412.1	5311.7	5097.7	4755.4	4374.0	4042.8	3784.2	3559.1	3361.9
47.5°	5335.8	5332.1	5291.2	5192.6	4980.5	4647.5	4266.1	3944.2	3694.9	3482.8	3306.1
50°	5194.5	5175.8	5155.4	5064.2	4870.7	4554.4	4187.9	3882.8	3644.7	3454.9	3281.9
52.5°	5105.1	5099.6	5081.0	4999.1	4813.1	4500.5	4152.6	3860.5	3641.0	3449.3	3268.9
55°	5897.7	5910.7	5739.6	5384.2	5071.7	4649.3	4258.6	3974.0	3732.1	3538.6	3406.5
57.5°	8723.8	8666.1	8372.1	7667.0	6870.7	5819.6	5062.4	4602.8	4303.3	4336.8	4403.7
60°	10163.8	10152.6	10098.7	9825.2	9294.9	8494.9	7607.5	6589.8	6266.1	6301.4	6327.5
62.5°	10807.5	10824.3	10865.2	10762.9	10623.3	10390.8	9948.0	9538.7	9105.2	8943.3	8509.8
65°	11105.2	11135.0	11228.0	11285.7	11339.6	11380.5	11555.4	12035.4	12351.7	11760.1	10383.3
67.5°	10489.4	10632.6	10939.6	11239.1	11507.0	11888.4	12480.1	13594.5	14370.3	13642.9	11646.6
70°	7646.6	7841.9	8193.5	9120.1	10109.8	10975.0	12121.0	13817.8	14988.0	14426.1	11959.1
72.5°	4794.4	4848.4	5004.7	5345.1	6080.0	7190.7	9194.5	11739.6	13090.3	12641.9	10108.0
75°	3041.9	3060.5	3054.9	3133.0	3257.7	3499.6	4292.1	6934.0	8967.5	8268.0	5633.5
77.5°	1812.1	1840.0	1851.2	1875.4	1934.9	2020.5	2085.6	2359.1	3760.0	3650.3	2044.7
80°	1518.1	1540.5	1521.9	1516.3	1479.1	1453.0	1484.7	1453.0	1348.8	1298.6	1196.3
82.5°	803.7	801.9	796.3	850.2	960.0	1045.6	1110.7	1095.8	991.6	844.7	716.3
85°	440.9	455.8	455.8	474.4	457.7	459.5	474.4	500.5	463.3	387.0	316.3
87.5°	37.2	57.7	46.5	57.7	78.1	55.8	54.0	54.0	46.5	33.5	29.8
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°	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2
2.5°	3534.9	3531.2	3523.7	3518.2	3518.2	3508.9	3503.3	3499.6	3497.7	3490.3	3490.3
5°	3523.7	3510.7	3497.7	3488.4	3482.8	3473.5	3458.6	3451.2	3441.9	3434.4	3430.7
7.5°	3499.6	3475.4	3454.9	3440.0	3421.4	3406.5	3387.9	3371.2	3354.4	3347.0	3343.3
10°	3462.3	3430.7	3399.1	3371.2	3345.1	3319.1	3294.9	3270.7	3250.3	3235.4	3220.5
12.5°	3427.0	3378.6	3337.7	3296.8	3255.8	3224.2	3190.7	3155.4	3125.6	3097.7	3090.3
15°	3378.6	3322.8	3270.7	3220.5	3170.3	3118.2	3077.2	3038.2	2989.8	2958.2	2934.0
17.5°	3334.0	3267.0	3203.7	3144.2	3082.8	3028.9	2967.5	2915.4	2867.0	2818.6	2783.3
20°	3285.6	3213.0	3146.1	3079.1	3012.1	2943.3	2872.6	2805.6	2746.1	2688.4	2630.7
22.5°	3242.8	3168.4	3103.3	3030.7	2956.3	2878.2	2796.3	2712.6	2643.7	2569.3	2502.3
25°	3216.8	3134.9	3067.9	2997.2	2915.4	2829.8	2736.8	2638.2	2554.4	2468.9	2388.9
27.5°	3216.8	3110.7	3041.9	2971.2	2887.5	2796.3	2694.0	2586.1	2491.2	2396.3	2297.7
30°	3244.7	3114.4	3021.4	2947.0	2861.4	2762.8	2649.3	2535.8	2431.6	2320.0	2225.1
32.5°	3270.7	3121.9	3006.5	2911.6	2813.0	2716.3	2600.9	2480.0	2364.7	2258.6	2158.2
35°	3287.5	3121.9	2978.6	2857.7	2746.1	2651.2	2537.7	2416.8	2299.5	2195.4	2102.3
37.5°	3289.3	3107.0	2934.0	2796.3	2679.1	2580.5	2472.6	2359.1	2247.5	2150.7	2072.6
40°	3270.7	3077.2	2889.3	2731.2	2608.4	2507.9	2409.3	2307.0	2206.5	2126.5	2059.5
42.5°	3237.2	3045.6	2846.5	2679.1	2550.7	2446.5	2355.4	2267.9	2180.5	2111.6	2055.8
45°	3187.0	3002.8	2807.5	2647.5	2520.9	2411.2	2321.9	2249.3	2174.9	2117.2	2061.4
47.5°	3142.3	2987.9	2820.5	2667.9	2535.8	2422.3	2331.2	2269.8	2212.1	2173.0	2096.8
50°	3133.0	2980.5	2826.1	2684.7	2550.7	2435.4	2355.4	2323.7	2307.0	2282.8	2165.6
52.5°	3107.0	2978.6	2867.0	2788.9	2703.3	2649.3	2565.6	2595.4	2576.8	2491.2	2279.1
55°	3380.5	3417.7	3521.9	3670.7	3808.4	3840.0	3830.7	3795.4	3607.5	3103.3	2552.6
57.5°	4647.5	4857.7	5054.9	5142.4	5131.2	5032.6	4961.9	4818.6	4547.0	3933.0	3092.1
60°	6407.5	6441.0	6336.8	6182.4	5921.9	5704.2	5471.7	5203.8	4809.3	4208.4	3423.3
62.5°	8028.0	7577.7	7114.5	6679.1	6282.8	5936.8	5613.1	5239.1	4725.6	4098.6	3380.5
65°	9172.1	8219.6	7488.4	6863.3	6303.3	5819.6	5415.8	4930.3	4351.7	3786.1	3133.0
67.5°	9761.9	8301.4	7179.6	6308.9	5514.5	4844.7	4307.0	3834.4	3404.7	3157.2	2742.3
70°	9103.3	7045.6	5482.8	4498.6	3547.9	2844.7	2247.5	1886.5	1761.9	1996.3	2076.3
72.5°	6783.3	4586.1	3261.4	2522.8	1933.0	1540.5	1181.4	928.4	755.4	792.6	1028.8
75°	3207.5	1979.5	1399.1	1064.2	846.5	701.4	573.0	524.7	439.1	364.7	342.3
77.5°	1248.4	909.8	751.6	550.7	390.7	314.4	267.9	258.6	264.2	256.7	253.0
80°	950.7	643.7	403.7	295.8	254.9	225.1	199.1	191.6	195.4	204.7	214.0
82.5°	530.2	331.2	245.6	214.0	191.6	163.7	148.8	137.7	139.5	150.7	171.2
85°	204.7	160.0	147.0	141.4	132.1	106.0	91.2	93.0	106.0	126.5	126.5
87.5°	22.3	22.3	29.8	22.3	22.3	22.3	20.5	24.2	26.0	33.5	39.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2	3518.2
2.5°	3486.5	3486.5	3486.5	3482.8	3484.7	3477.2	3477.2	3471.6	3481.0	3475.4	3473.5
5°	3432.6	3430.7	3423.3	3423.3	3423.3	3423.3	3428.9	3414.0	3425.1	3425.1	3419.6
7.5°	3341.4	3341.4	3321.0	3332.1	3328.4	3334.0	3341.4	3334.0	3345.1	3352.6	3347.0
10°	3214.9	3214.9	3198.2	3211.2	3205.6	3218.6	3231.6	3224.2	3231.6	3242.8	3246.5
12.5°	3075.4	3067.9	3053.0	3058.6	3058.6	3066.1	3071.6	3080.9	3090.3	3105.1	3112.6
15°	2913.5	2902.3	2883.7	2883.7	2872.6	2876.3	2887.5	2891.2	2909.8	2930.3	2954.4
17.5°	2747.9	2720.0	2699.6	2675.4	2656.8	2671.6	2684.7	2694.0	2708.9	2740.5	2757.2
20°	2591.6	2535.8	2496.8	2465.1	2444.7	2454.0	2470.7	2481.9	2494.9	2502.3	2507.9
22.5°	2437.2	2374.0	2320.0	2280.9	2247.5	2256.8	2249.3	2243.7	2253.0	2228.9	2227.0
25°	2303.3	2228.9	2156.3	2109.8	2068.8	2055.8	2016.8	2007.5	1981.4	1960.9	1946.1
27.5°	2206.5	2109.8	2029.8	1975.8	1910.7	1862.3	1812.1	1761.9	1734.0	1700.5	1683.7
30°	2130.2	2027.9	1933.0	1841.9	1756.3	1681.9	1614.9	1549.8	1505.1	1456.8	1425.1
32.5°	2059.5	1964.7	1849.3	1724.7	1609.3	1525.6	1438.1	1363.7	1293.0	1229.8	1183.3
35°	2011.2	1905.1	1758.2	1605.6	1475.4	1376.8	1283.7	1177.7	1092.1	1010.2	960.0
37.5°	1985.1	1854.9	1674.4	1505.1	1360.0	1248.4	1133.0	1010.2	906.1	829.8	753.5
40°	1964.7	1804.7	1600.0	1415.8	1263.3	1129.3	995.4	850.2	734.9	654.9	595.4
42.5°	1942.3	1748.8	1534.9	1345.1	1175.8	1019.5	857.7	703.3	593.5	537.7	511.6
45°	1918.2	1700.5	1473.5	1278.1	1090.2	900.5	714.4	571.2	506.0	487.4	487.4
47.5°	1912.6	1668.8	1428.8	1213.0	993.5	762.8	582.3	493.0	474.4	478.1	485.6
50°	1934.9	1659.5	1389.8	1136.8	865.1	617.7	493.0	463.3	467.0	478.1	489.3
52.5°	1988.8	1667.0	1348.8	1030.7	712.6	509.8	455.8	454.0	465.1	481.9	493.0
55°	2080.0	1667.0	1270.7	872.6	569.3	457.7	442.8	450.2	465.1	480.0	489.3
57.5°	2275.4	1650.2	1133.0	697.7	476.3	439.1	439.1	448.4	461.4	476.3	483.7
60°	2507.9	1627.9	939.5	539.5	429.8	424.2	437.2	448.4	459.5	472.6	480.0
62.5°	2522.8	1570.2	744.2	446.5	405.6	414.9	435.4	450.2	454.0	463.3	472.6
65°	2318.2	1369.3	591.6	400.0	394.4	409.3	429.8	440.9	442.8	446.5	455.8
67.5°	2029.8	1116.3	478.1	377.7	383.3	400.0	411.2	420.5	426.0	435.4	437.2
70°	1667.0	896.7	409.3	355.4	360.9	379.5	388.8	398.1	409.3	420.5	414.9
72.5°	1181.4	697.7	359.1	331.2	338.6	355.4	366.5	374.0	383.3	394.4	387.0
75°	502.3	487.4	310.7	299.5	310.7	321.9	333.0	344.2	353.5	359.1	359.1
77.5°	256.7	286.5	267.9	267.9	275.4	286.5	295.8	307.0	312.6	318.1	325.6
80°	217.7	221.4	225.1	232.6	240.0	251.2	260.5	269.8	271.6	273.5	277.2
82.5°	180.5	187.9	191.6	202.8	208.4	212.1	217.7	217.7	221.4	221.4	215.8
85°	130.2	139.5	145.1	147.0	145.1	147.0	148.8	152.6	161.9	161.9	154.4
87.5°	37.2	35.3	44.7	46.5	50.2	57.7	65.1	78.1	81.9	85.6	85.6
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):

	165°	170°	175°	180°
0°	3518.2	3518.2	3518.2	3518.2
2.5°	3471.6	3475.4	3467.9	3469.8
5°	3419.6	3427.0	3417.7	3428.9
7.5°	3352.6	3363.7	3361.9	3360.0
10°	3255.8	3270.7	3270.7	3276.3
12.5°	3133.0	3142.3	3149.8	3153.5
15°	2967.5	2984.2	2993.5	2993.5
17.5°	2768.4	2779.6	2785.1	2777.7
20°	2515.4	2511.6	2513.5	2494.9
22.5°	2223.3	2228.9	2212.1	2215.8
25°	1936.8	1927.5	1934.9	1923.7
27.5°	1659.5	1661.4	1640.9	1650.2
30°	1395.4	1386.1	1360.0	1373.0
32.5°	1140.5	1116.3	1088.4	1071.6
35°	900.5	863.3	850.2	844.7
37.5°	707.0	666.1	653.0	638.1
40°	561.9	547.0	541.4	545.1
42.5°	504.2	504.2	507.9	509.8
45°	489.3	494.9	500.5	502.3
47.5°	491.2	496.7	504.2	506.0
50°	494.9	500.5	506.0	507.9
52.5°	496.7	496.7	500.5	502.3
55°	493.0	491.2	493.0	494.9
57.5°	485.6	481.9	483.7	489.3
60°	481.9	476.3	480.0	483.7
62.5°	472.6	470.7	474.4	476.3
65°	452.1	454.0	459.5	459.5
67.5°	433.5	435.4	437.2	439.1
70°	411.2	413.0	416.7	418.6
72.5°	385.1	392.6	398.1	405.6
75°	364.7	372.1	383.3	390.7
77.5°	329.3	334.9	347.9	357.2
80°	279.1	277.2	279.1	284.7
82.5°	214.0	214.0	212.1	210.2
85°	150.7	148.8	143.3	143.3
87.5°	81.9	80.0	78.1	74.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)