

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: P180913

Luminaire Tested: **ICM-F06-LED-E1-SL4**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180913
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-F06-LED-E1-SL4
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13611.4 lumens
Efficiency: N/A
Efficacy: 87.0 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

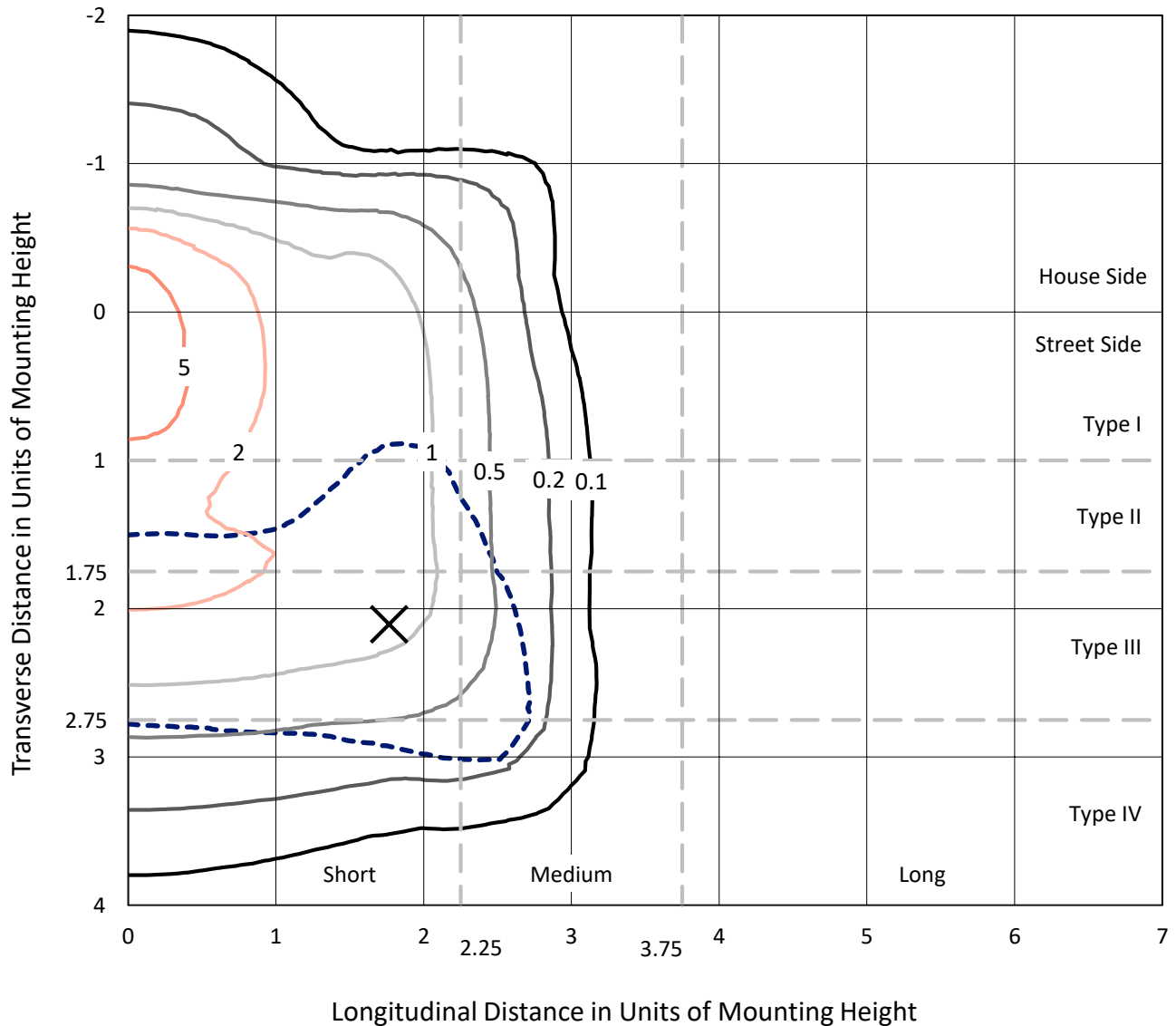
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

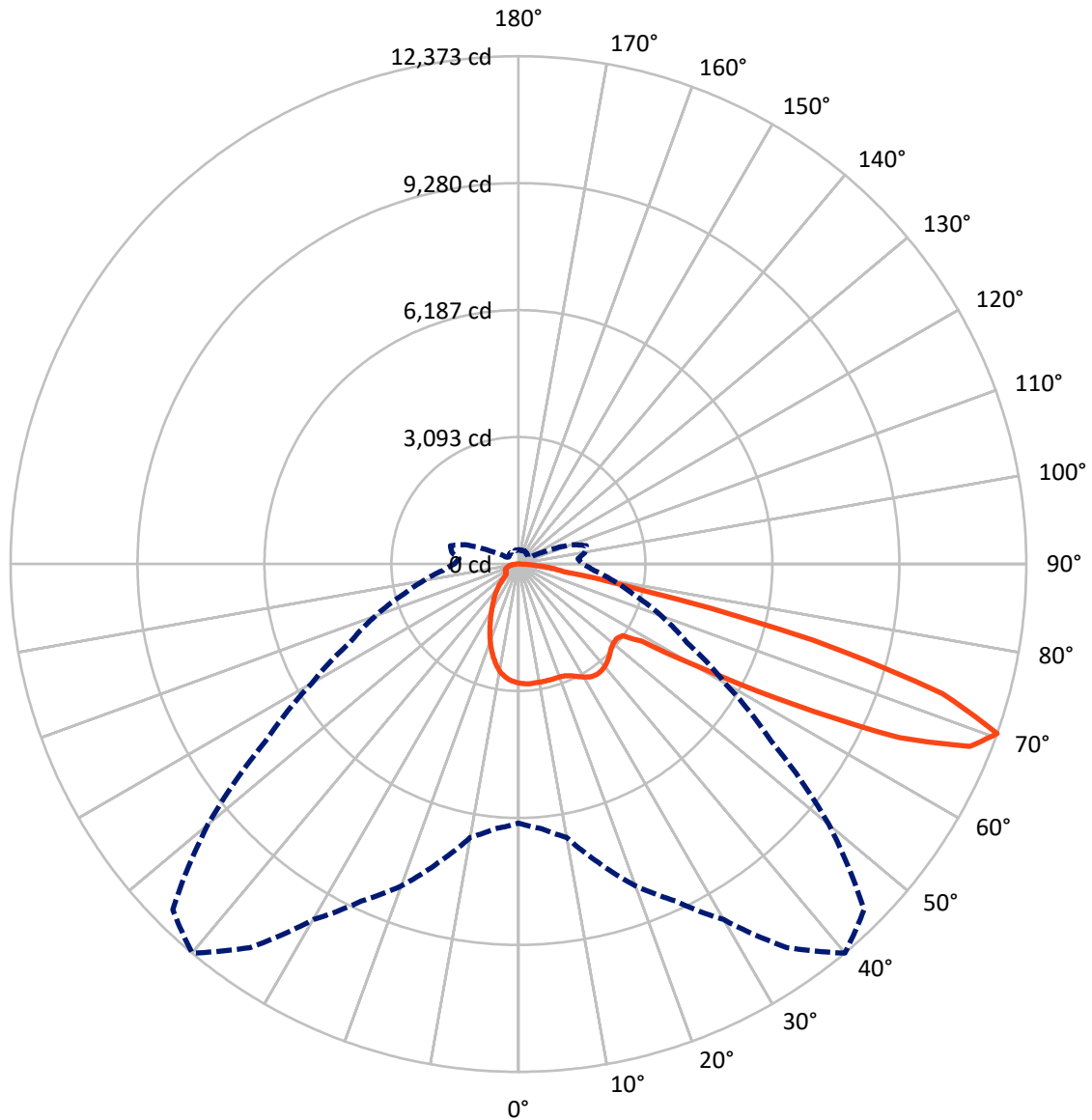
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.3 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	2825.6	0.0	2825.6
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	10785.8	0.0	10785.8
	% Fixture	79.2	0.0	79.2
Total	Lumens	13611.4	0.0	13611.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	2.0
10°-20°	742.8	5.5
20°-30°	1099.6	8.1
30°-40°	1389.6	10.2
40°-50°	1571.5	11.5
50°-60°	2236.3	16.4
60°-70°	4164.9	30.6
70°-80°	1908.8	14.0
80°-90°	226.6	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°	13611.4	100.0
0°-180°	13611.4	100.0



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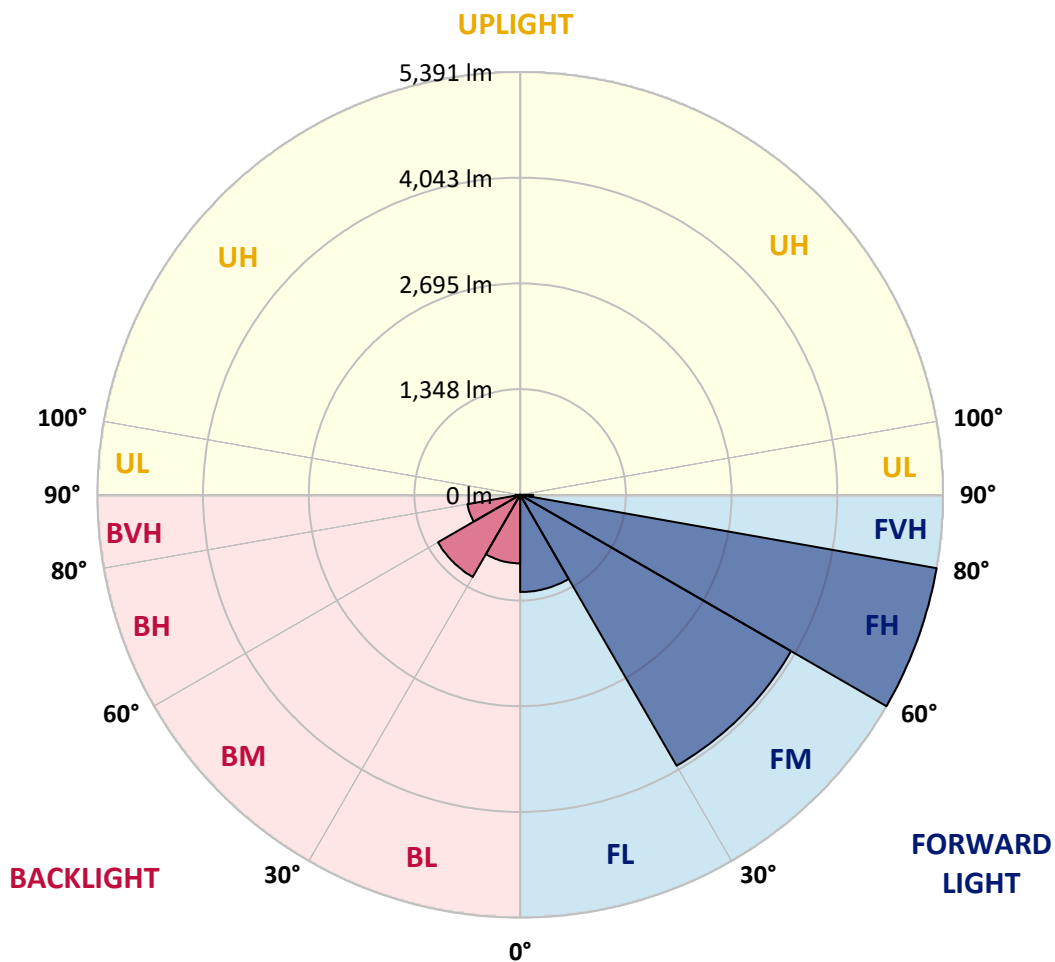
CATALOG NUMBER: ICM-F06-LED-E1-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1239.4	9.1			
FM	(30°-60°)	3987.7	29.3			
FH	(60°-80°)	5390.6	39.6			G3/7500
FVH	(80°-90°)	168.1	1.2			G2/225
BL	(0°-30°)	874.3	6.4	B2/1000		
BM	(30°-60°)	1209.7	8.9	B2/2500		
BH	(60°-80°)	683.1	5.0	B2/1000		G2/1000
BVH	(80°-90°)	58.5	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°	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3
2.5°	2948.9	2956.6	2947.4	2945.8	2945.8	2944.3	2935.1	2933.5	2921.2	2922.7	2925.8
5°	2970.3	2973.4	2967.3	2965.8	2962.7	2956.6	2948.9	2939.6	2930.4	2921.2	2913.5
7.5°	2991.8	2988.8	2984.2	2984.2	2979.6	2970.3	2955.0	2942.7	2922.7	2912.0	2898.2
10°	3022.6	3018.0	3011.8	3008.8	3001.1	2987.3	2965.8	2948.9	2924.3	2902.8	2879.7
12.5°	3051.7	3050.3	3041.0	3036.4	3024.1	3010.3	2984.2	2958.1	2925.8	2892.0	2861.3
15°	3104.0	3097.9	3088.7	3079.5	3059.5	3041.0	3001.1	2970.3	2924.3	2879.7	2832.1
17.5°	3194.6	3183.8	3174.6	3154.7	3130.1	3097.9	3039.5	2987.3	2924.3	2859.8	2806.1
20°	3360.5	3337.4	3325.1	3299.1	3256.0	3197.7	3107.1	3022.6	2928.9	2846.0	2773.8
22.5°	3547.8	3532.5	3515.6	3498.7	3431.1	3346.6	3223.8	3097.9	2956.6	2839.8	2747.6
25°	3758.3	3738.3	3729.0	3699.9	3637.0	3540.2	3372.8	3197.7	3019.6	2864.4	2747.6
27.5°	3945.6	3939.5	3938.0	3904.2	3844.3	3730.6	3532.5	3322.1	3105.5	2915.1	2770.7
30°	4116.1	4110.0	4106.9	4088.5	4019.4	3884.2	3669.2	3432.7	3199.2	2985.7	2813.7
32.5°	4297.3	4277.4	4268.2	4232.9	4154.5	3996.3	3750.6	3504.9	3273.0	3054.8	2861.3
35°	4444.8	4427.9	4409.5	4358.8	4248.2	4060.9	3785.9	3529.4	3302.2	3093.2	2885.9
37.5°	4552.3	4535.5	4509.3	4444.8	4308.1	4082.4	3784.4	3521.8	3291.4	3087.1	2890.5
40°	4599.9	4583.0	4555.4	4474.0	4318.9	4070.1	3755.2	3486.4	3259.1	3054.8	2872.1
42.5°	4581.5	4569.2	4533.9	4455.6	4285.0	4014.7	3696.9	3420.4	3197.7	3002.6	2830.6
45°	4510.8	4501.6	4467.8	4384.9	4208.3	3925.7	3610.8	3337.4	3123.9	2938.2	2775.3
47.5°	4404.9	4401.8	4368.0	4286.6	4111.6	3836.6	3521.8	3256.0	3050.3	2875.2	2729.2
50°	4288.1	4272.8	4255.9	4180.7	4020.9	3759.8	3457.2	3205.3	3008.8	2852.1	2709.3
52.5°	4214.4	4209.8	4194.4	4126.9	3973.3	3715.3	3428.0	3186.9	3005.7	2847.5	2698.5
55°	4868.7	4879.5	4738.2	4444.8	4186.8	3838.2	3515.6	3280.6	3080.9	2921.2	2812.2
57.5°	7201.7	7154.1	6911.4	6329.3	5671.9	4804.2	4179.1	3799.7	3552.5	3580.1	3635.4
60°	8390.5	8381.3	8336.7	8110.9	7673.2	7012.8	6280.1	5440.0	5172.8	5202.0	5223.5
62.5°	8921.8	8935.7	8969.5	8885.0	8769.8	8577.8	8212.3	7874.4	7516.5	7382.9	7025.1
65°	9167.6	9192.1	9269.0	9316.6	9361.1	9394.9	9539.3	9935.5	10196.6	9708.2	8571.7
67.5°	8659.2	8777.4	9030.9	9278.2	9499.3	9814.2	10302.6	11222.6	11863.0	11262.5	9614.6
70°	6312.4	6473.7	6763.9	7528.8	8345.9	9060.1	10006.2	11406.9	12373.0	11909.1	9872.5
72.5°	3958.0	4002.4	4131.5	4412.6	5019.2	5936.1	7590.3	9691.3	10806.4	10436.2	8344.4
75°	2511.2	2526.5	2521.9	2586.4	2689.3	2888.9	3543.3	5724.2	7402.9	6825.4	4650.6
77.5°	1495.9	1519.0	1528.2	1548.2	1597.3	1667.9	1721.7	1947.5	3104.0	3013.4	1687.9
80°	1253.3	1271.7	1256.4	1251.7	1221.0	1199.5	1225.6	1199.5	1113.5	1072.0	987.5
82.5°	663.5	662.0	657.3	701.9	792.5	863.2	916.9	904.7	818.6	697.3	591.4
85°	364.0	376.3	376.3	391.6	377.9	379.4	391.6	413.1	382.4	319.4	261.1
87.5°	30.7	47.6	38.4	47.6	64.5	46.0	44.6	44.6	38.4	27.6	24.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3
2.5°	2918.2	2915.1	2908.9	2904.3	2904.3	2896.7	2892.0	2888.9	2887.5	2881.3	2881.3
5°	2908.9	2898.2	2887.5	2879.7	2875.2	2867.5	2855.2	2849.0	2841.3	2835.2	2832.1
7.5°	2888.9	2869.0	2852.1	2839.8	2824.5	2812.2	2796.9	2783.0	2769.1	2763.0	2759.9
10°	2858.3	2832.1	2806.1	2783.0	2761.5	2740.0	2720.0	2700.0	2683.2	2670.9	2658.6
12.5°	2829.0	2789.1	2755.4	2721.6	2687.7	2661.7	2634.1	2604.9	2580.3	2557.2	2551.1
15°	2789.1	2743.1	2700.0	2658.6	2617.1	2574.2	2540.3	2508.1	2468.1	2442.1	2422.1
17.5°	2752.3	2696.9	2644.8	2595.6	2544.9	2500.4	2449.7	2406.7	2366.8	2326.8	2297.7
20°	2712.4	2652.5	2597.1	2541.9	2486.5	2429.8	2371.4	2316.1	2266.9	2219.4	2171.7
22.5°	2677.0	2615.6	2561.9	2502.0	2440.5	2376.0	2308.4	2239.3	2182.4	2121.0	2065.8
25°	2655.6	2587.9	2532.7	2474.2	2406.7	2336.0	2259.3	2177.9	2108.8	2038.1	1972.0
27.5°	2655.6	2568.0	2511.2	2452.8	2383.6	2308.4	2223.9	2134.9	2056.6	1978.2	1896.8
30°	2678.5	2571.1	2494.2	2432.9	2362.2	2280.8	2187.1	2093.4	2007.4	1915.3	1836.9
32.5°	2700.0	2577.2	2482.0	2403.6	2322.2	2242.3	2147.2	2047.3	1952.1	1864.6	1781.6
35°	2713.9	2577.2	2458.9	2359.1	2266.9	2188.6	2094.9	1995.1	1898.3	1812.3	1735.5
37.5°	2715.5	2564.9	2422.1	2308.4	2211.6	2130.2	2041.1	1947.5	1855.4	1775.5	1711.0
40°	2700.0	2540.3	2385.2	2254.6	2153.3	2070.3	1988.9	1904.5	1821.5	1755.5	1700.2
42.5°	2672.4	2514.2	2349.9	2211.6	2105.7	2019.6	1944.4	1872.2	1800.0	1743.2	1697.1
45°	2630.9	2478.9	2317.6	2185.5	2081.1	1990.5	1916.8	1856.8	1795.5	1747.8	1701.8
47.5°	2594.1	2466.6	2328.4	2202.4	2093.4	1999.7	1924.5	1873.8	1826.2	1793.9	1730.9
50°	2586.4	2460.5	2332.9	2216.3	2105.7	2010.4	1944.4	1918.3	1904.5	1884.5	1787.7
52.5°	2564.9	2458.9	2366.8	2302.2	2231.6	2187.1	2118.0	2142.5	2127.2	2056.6	1881.4
55°	2790.7	2821.4	2907.4	3030.3	3143.9	3170.1	3162.3	3133.1	2978.1	2561.9	2107.2
57.5°	3836.6	4010.2	4173.0	4245.1	4235.9	4154.5	4096.1	3977.9	3753.7	3246.8	2552.6
60°	5289.5	5317.1	5231.2	5103.7	4888.7	4709.0	4517.0	4295.8	3970.3	3474.2	2826.0
62.5°	6627.3	6255.6	5873.2	5513.8	5186.6	4901.0	4633.7	4325.0	3901.1	3383.6	2790.7
65°	7571.9	6785.4	6181.9	5665.8	5203.6	4804.2	4470.9	4070.1	3592.4	3125.5	2586.4
67.5°	8058.7	6853.1	5926.9	5208.1	4552.3	3999.4	3555.6	3165.4	2810.6	2606.3	2263.8
70°	7515.0	5816.3	4526.2	3713.7	2928.9	2348.4	1855.4	1557.4	1454.4	1648.0	1714.1
72.5°	5599.8	3785.9	2692.4	2082.6	1595.7	1271.7	975.3	766.4	623.5	654.2	849.3
75°	2647.8	1634.1	1155.0	878.5	698.8	579.0	473.0	433.1	362.4	301.0	282.6
77.5°	1030.6	751.1	620.5	454.6	322.5	259.5	221.2	213.5	218.0	211.9	208.8
80°	784.8	531.4	333.3	244.2	210.4	185.9	164.4	158.2	161.3	168.9	176.7
82.5°	437.7	273.4	202.7	176.7	158.2	135.2	122.9	113.7	115.2	124.4	141.3
85°	168.9	132.1	121.3	116.7	109.0	87.5	75.3	76.8	87.5	104.5	104.5
87.5°	18.4	18.4	24.6	18.4	18.4	18.4	16.9	20.0	21.5	27.6	32.3
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°	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3	2904.3
2.5°	2878.3	2878.3	2878.3	2875.2	2876.7	2870.5	2870.5	2866.0	2873.6	2869.0	2867.5
5°	2833.7	2832.1	2826.0	2826.0	2826.0	2826.0	2830.6	2818.3	2827.6	2827.6	2822.9
7.5°	2758.4	2758.4	2741.5	2750.7	2747.6	2752.3	2758.4	2752.3	2761.5	2767.6	2763.0
10°	2654.0	2654.0	2640.2	2650.9	2646.3	2657.0	2667.8	2661.7	2667.8	2677.0	2680.1
12.5°	2538.8	2532.7	2520.4	2524.9	2524.9	2531.1	2535.7	2543.4	2551.1	2563.4	2569.5
15°	2405.1	2395.9	2380.6	2380.6	2371.4	2374.4	2383.6	2386.7	2402.1	2419.0	2439.0
17.5°	2268.5	2245.4	2228.6	2208.6	2193.2	2205.5	2216.3	2223.9	2236.2	2262.3	2276.2
20°	2139.5	2093.4	2061.1	2035.0	2018.2	2025.8	2039.6	2048.8	2059.6	2065.8	2070.3
22.5°	2012.0	1959.7	1915.3	1883.0	1855.4	1863.0	1856.8	1852.3	1859.9	1840.0	1838.4
25°	1901.4	1840.0	1780.1	1741.7	1707.9	1697.1	1664.8	1657.2	1635.7	1618.8	1606.5
27.5°	1821.5	1741.7	1675.6	1631.1	1577.3	1537.4	1495.9	1454.4	1431.5	1403.8	1390.0
30°	1758.6	1674.1	1595.7	1520.5	1449.9	1388.4	1333.1	1279.4	1242.5	1202.6	1176.5
32.5°	1700.2	1621.9	1526.6	1423.7	1328.6	1259.4	1187.3	1125.8	1067.4	1015.2	976.8
35°	1660.3	1572.8	1451.4	1325.5	1218.0	1136.6	1059.7	972.2	901.6	834.0	792.5
37.5°	1638.8	1531.3	1382.2	1242.5	1122.7	1030.6	935.4	834.0	748.0	685.0	622.1
40°	1621.9	1489.8	1320.8	1168.8	1042.9	932.3	821.7	701.9	606.7	540.7	491.4
42.5°	1603.5	1443.7	1267.1	1110.4	970.7	841.7	708.0	580.6	490.0	443.9	422.3
45°	1583.5	1403.8	1216.4	1055.2	900.0	743.4	589.8	471.5	417.8	402.4	402.4
47.5°	1578.9	1377.7	1179.5	1001.4	820.2	629.7	480.7	407.0	391.6	394.7	400.8
50°	1597.3	1370.0	1147.3	938.4	714.1	509.9	407.0	382.4	385.5	394.7	403.9
52.5°	1641.9	1376.1	1113.5	850.9	588.3	420.8	376.3	374.8	384.0	397.8	407.0
55°	1717.1	1376.1	1049.0	720.3	470.0	377.9	365.5	371.7	384.0	396.3	403.9
57.5°	1878.3	1362.3	935.4	575.9	393.2	362.4	362.4	370.1	380.9	393.2	399.4
60°	2070.3	1343.9	775.6	445.4	354.8	350.1	360.9	370.1	379.4	390.1	396.3
62.5°	2082.6	1296.3	614.3	368.7	334.8	342.5	359.4	371.7	374.8	382.4	390.1
65°	1913.7	1130.4	488.4	330.2	325.6	337.9	354.8	364.0	365.5	368.7	376.3
67.5°	1675.6	921.5	394.7	311.8	316.4	330.2	339.4	347.1	351.7	359.4	360.9
70°	1376.1	740.3	337.9	293.4	298.0	313.3	321.0	328.7	337.9	347.1	342.5
72.5°	975.3	575.9	296.5	273.4	279.5	293.4	302.6	308.7	316.4	325.6	319.4
75°	414.7	402.4	256.5	247.3	256.5	265.7	274.9	284.1	291.8	296.5	296.5
77.5°	211.9	236.6	221.2	221.2	227.4	236.6	244.2	253.4	258.0	262.6	268.7
80°	179.7	182.8	185.9	192.0	198.1	207.4	215.0	222.7	224.3	225.8	228.8
82.5°	149.0	155.2	158.2	167.4	172.0	175.1	179.7	179.7	182.8	182.8	178.1
85°	107.5	115.2	119.8	121.3	119.8	121.3	122.9	126.0	133.6	133.6	127.4
87.5°	30.7	29.2	36.8	38.4	41.5	47.6	53.8	64.5	67.5	70.6	70.6
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°	2904.3	2904.3	2904.3	2904.3
2.5°	2866.0	2869.0	2862.9	2864.4
5°	2822.9	2829.0	2821.4	2830.6
7.5°	2767.6	2776.9	2775.3	2773.8
10°	2687.7	2700.0	2700.0	2704.7
12.5°	2586.4	2594.1	2600.2	2603.3
15°	2449.7	2463.5	2471.2	2471.2
17.5°	2285.4	2294.6	2299.2	2293.0
20°	2076.5	2073.4	2075.0	2059.6
22.5°	1835.4	1840.0	1826.2	1829.2
25°	1598.8	1591.2	1597.3	1588.1
27.5°	1370.0	1371.5	1354.6	1362.3
30°	1151.9	1144.2	1122.7	1133.5
32.5°	941.5	921.5	898.5	884.7
35°	743.4	712.7	701.9	697.3
37.5°	583.6	549.9	539.1	526.8
40°	463.8	451.5	447.0	450.0
42.5°	416.2	416.2	419.3	420.8
45°	403.9	408.6	413.1	414.7
47.5°	405.5	410.0	416.2	417.8
50°	408.6	413.1	417.8	419.3
52.5°	410.0	410.0	413.1	414.7
55°	407.0	405.5	407.0	408.6
57.5°	400.8	397.8	399.4	403.9
60°	397.8	393.2	396.3	399.4
62.5°	390.1	388.6	391.6	393.2
65°	373.2	374.8	379.4	379.4
67.5°	357.9	359.4	360.9	362.4
70°	339.4	340.9	344.0	345.6
72.5°	318.0	324.1	328.7	334.8
75°	301.0	307.2	316.4	322.5
77.5°	271.8	276.5	287.2	294.9
80°	230.4	228.8	230.4	235.0
82.5°	176.7	176.7	175.1	173.6
85°	124.4	122.9	118.2	118.2
87.5°	67.5	66.0	64.5	61.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)