

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: P181497

Luminaire Tested: **ICS-E03-LED-E1-T3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181497  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E03-LED-E1-T3-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7028 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

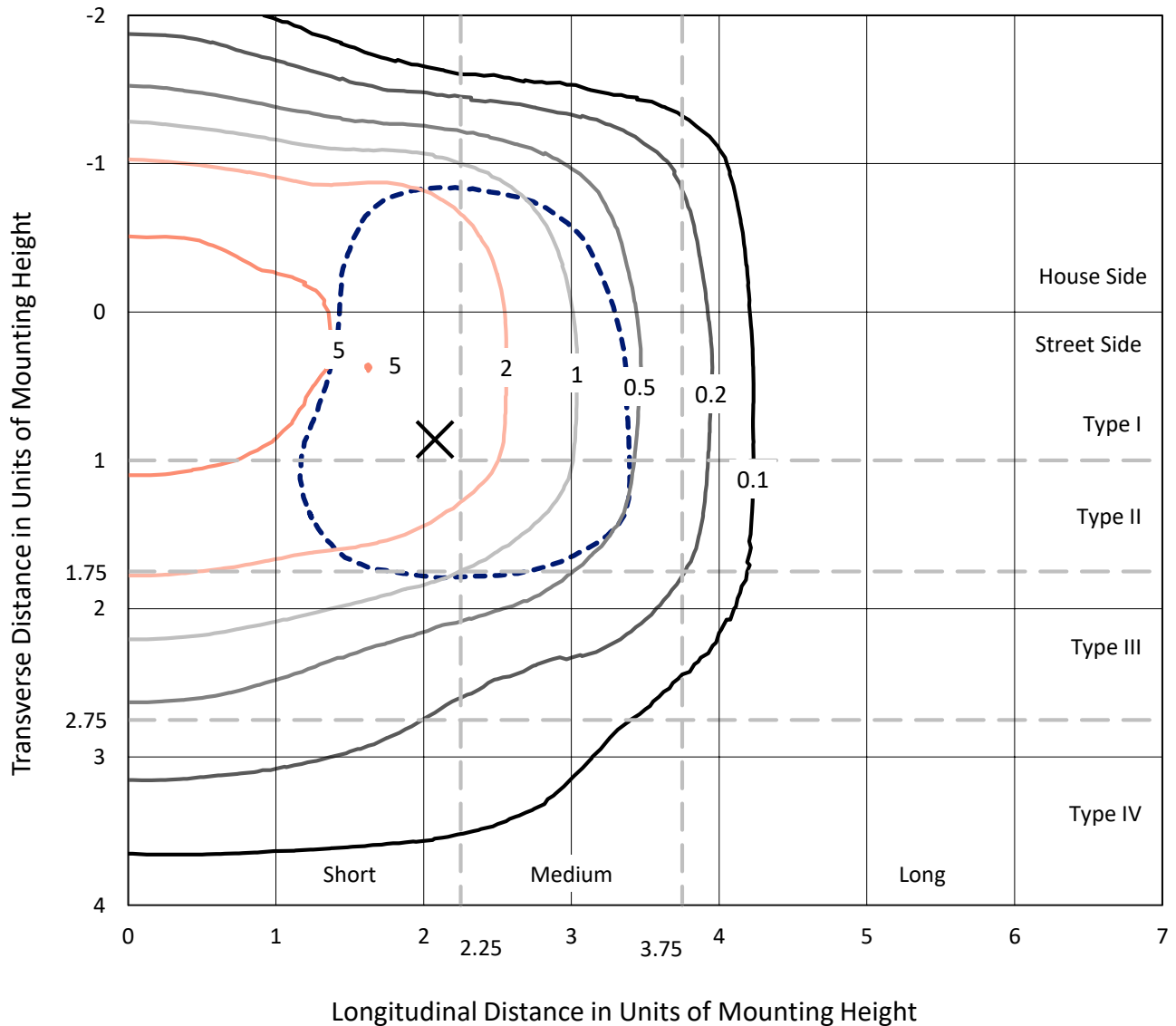
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

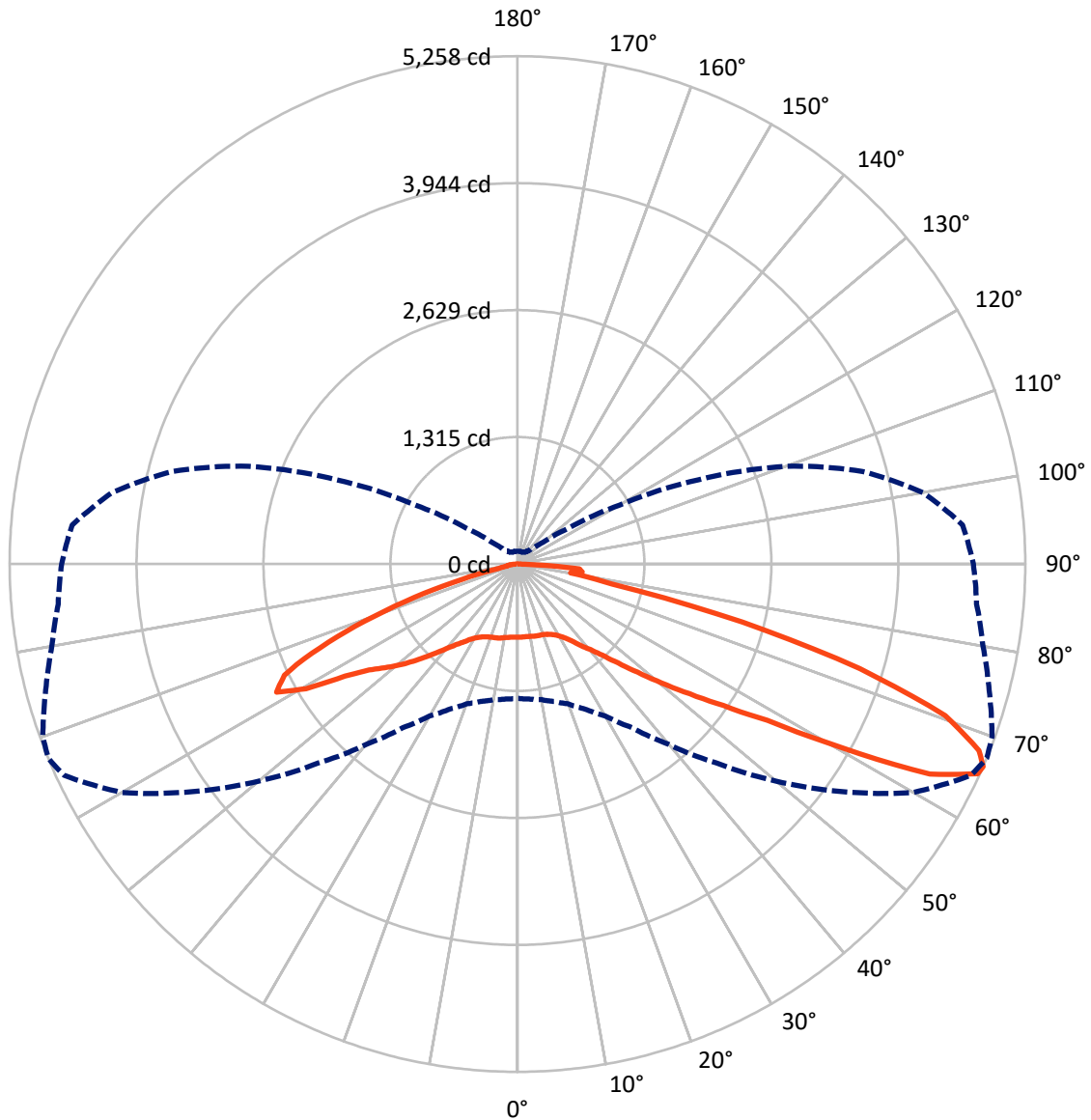
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2427.0	0.0	2427.0
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	4601.0	0.0	4601.0
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	7028.0	0.0	7028.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.0
10°-20°	214.1	3.0
20°-30°	367.9	5.2
30°-40°	597.4	8.5
40°-50°	997.4	14.2
50°-60°	1570.5	22.3
60°-70°	2141.6	30.5
70°-80°	927.1	13.2
80°-90°	139.4	2.0
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°	7028.0	100.0
0°-180°	7028.0	100.0



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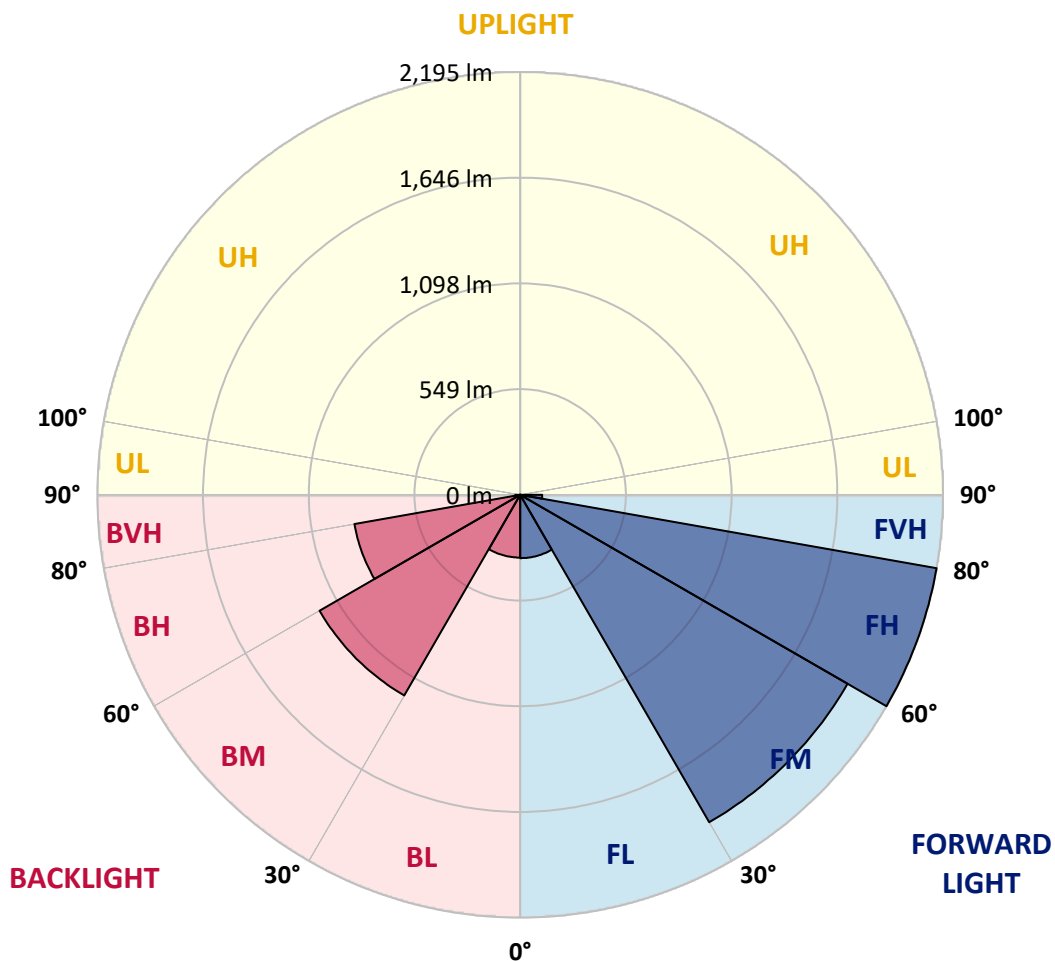
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.8	4.7			
FM	(30°-60°)	1962.7	27.9			
FH	(60°-80°)	2195.1	31.2			G2/5000
FVH	(80°-90°)	114.5	1.6			G2/225
BL	(0°-30°)	325.8	4.6	B1/500		
BM	(30°-60°)	1202.7	17.1	B2/2500		
BH	(60°-80°)	873.6	12.4	B2/1000		G2/1000
BVH	(80°-90°)	24.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4
2.5°	760.4	763.4	760.4	761.2	761.9	761.2	760.4	760.4	758.1	759.6	761.2
5°	757.4	759.6	758.9	759.6	760.4	759.6	758.9	759.6	758.1	758.9	761.2
7.5°	753.6	752.8	753.6	755.1	756.6	756.6	756.6	757.4	756.6	756.6	758.9
10°	742.2	742.9	744.4	746.7	747.5	749.8	749.8	752.0	752.8	754.3	757.4
12.5°	727.7	728.5	730.0	731.5	735.3	739.1	739.1	744.4	746.7	750.5	755.8
15°	717.1	717.9	719.4	720.9	723.9	727.7	730.0	736.1	739.9	746.7	754.3
17.5°	723.2	722.4	723.9	724.7	724.7	727.7	727.7	732.3	736.8	742.9	752.8
20°	740.6	740.6	742.2	742.2	741.4	742.9	739.9	739.9	740.6	743.7	750.5
22.5°	758.1	757.4	760.4	761.9	762.7	765.0	761.9	761.2	757.4	755.1	757.4
25°	774.8	774.1	777.9	780.1	783.9	786.2	786.2	786.2	783.2	779.4	777.1
27.5°	800.7	800.7	804.5	806.7	809.8	814.3	816.6	816.6	817.4	812.0	808.2
30°	844.0	844.7	845.5	848.5	851.5	853.1	856.1	858.4	860.7	857.6	851.5
32.5°	895.6	891.0	891.0	895.6	899.4	904.0	905.5	908.5	913.1	910.8	910.0
35°	957.1	955.6	954.1	955.6	960.2	965.5	971.6	976.9	973.8	978.4	976.1
37.5°	1048.3	1049.8	1050.6	1050.6	1049.8	1051.3	1054.4	1059.7	1058.2	1059.7	1062.7
40°	1198.7	1193.4	1188.1	1188.8	1181.2	1182.7	1170.6	1175.9	1176.7	1171.4	1173.6
42.5°	1349.1	1352.1	1354.4	1360.5	1355.2	1352.1	1340.8	1340.8	1334.7	1329.4	1327.8
45°	1511.7	1517.7	1518.5	1530.7	1526.1	1536.0	1544.3	1542.1	1532.2	1531.4	1520.8
47.5°	1641.6	1651.4	1662.1	1676.5	1687.9	1709.9	1735.8	1748.7	1756.3	1762.3	1750.2
50°	1738.8	1743.4	1770.7	1793.5	1818.6	1855.0	1890.7	1937.1	1974.3	1991.8	2008.5
52.5°	1791.2	1802.6	1832.2	1867.9	1912.0	1966.7	2024.4	2098.1	2161.9	2204.5	2242.4
55°	1802.6	1814.0	1847.4	1893.0	1953.0	2026.7	2109.5	2209.8	2305.5	2387.5	2467.3
57.5°	1770.7	1783.6	1819.3	1871.7	1942.4	2032.0	2136.1	2267.5	2399.7	2532.6	2650.4
60°	1712.2	1728.2	1760.8	1812.5	1890.7	1991.8	2116.3	2281.2	2466.5	2670.1	2895.7
62.5°	1615.7	1632.5	1662.8	1719.8	1800.3	1912.0	2056.3	2261.4	2523.5	2844.1	3244.4
65°	1460.8	1468.4	1505.6	1563.3	1634.7	1757.8	1916.6	2164.2	2505.3	2951.2	3502.7
66°	1390.9	1403.8	1426.6	1472.9	1541.3	1656.8	1816.3	2067.7	2436.1	2914.0	3495.8
67.5°	1281.5	1291.4	1306.6	1337.7	1379.5	1464.6	1615.7	1853.5	2225.0	2725.6	3350.7
70°	1036.1	1040.7	1061.2	1071.8	1086.3	1114.4	1169.1	1305.8	1595.2	2065.4	2704.3
72.5°	706.5	719.4	741.4	771.8	811.3	849.3	875.1	892.6	954.9	1232.1	1801.8
75°	518.1	531.7	559.8	600.1	669.2	748.2	830.3	868.3	842.4	806.7	1003.5
77.5°	300.8	319.0	342.6	381.3	445.1	550.0	690.5	815.1	899.4	904.7	859.1
80°	126.9	129.1	143.6	163.3	202.8	276.5	385.9	565.2	752.0	878.1	907.8
82.5°	28.9	35.7	45.6	53.9	66.1	91.2	135.2	224.9	406.4	637.3	831.0
85°	10.6	10.6	14.4	21.3	24.3	27.3	35.7	57.0	97.2	179.3	373.7
87.5°	0.0	0.8	1.5	1.5	3.0	3.8	6.1	8.4	7.6	6.8	22.8
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°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4
2.5°	759.6	758.9	757.4	757.4	757.4	757.4	755.8	756.6	755.1	755.8	755.8
5°	758.9	758.9	758.1	756.6	757.4	757.4	758.1	756.6	756.6	757.4	756.6
7.5°	758.9	758.1	758.1	758.1	758.9	758.1	758.9	758.9	758.9	759.6	759.6
10°	758.9	758.9	760.4	761.2	761.2	761.9	764.2	764.2	765.0	765.7	767.2
12.5°	759.6	762.7	765.0	767.2	768.0	769.5	773.3	773.3	774.8	777.1	777.9
15°	760.4	765.0	769.5	771.0	772.5	775.6	779.4	780.9	783.2	785.5	787.0
17.5°	759.6	765.7	771.0	773.3	775.6	779.4	783.9	785.5	788.5	791.5	794.6
20°	758.9	767.2	775.6	778.6	781.7	787.0	793.1	796.9	799.9	804.5	807.5
22.5°	763.4	773.3	784.7	789.3	794.6	801.4	809.8	814.3	818.1	822.7	825.0
25°	777.9	785.5	799.1	806.7	813.6	825.0	836.4	841.7	846.2	850.0	850.8
27.5°	802.2	804.5	821.2	831.0	840.9	859.1	872.8	876.6	885.0	888.0	887.3
30°	841.7	837.9	851.5	866.7	881.2	906.2	923.0	932.8	940.4	940.4	934.3
32.5°	898.6	892.6	896.4	913.8	930.6	967.0	986.8	999.7	1005.0	1003.5	990.6
35°	973.1	969.3	967.0	980.7	1007.3	1049.8	1075.6	1082.5	1090.8	1089.3	1072.6
37.5°	1061.2	1058.2	1058.2	1074.1	1099.9	1163.0	1191.1	1195.7	1194.9	1182.7	1151.6
40°	1165.3	1163.8	1156.9	1166.0	1188.1	1270.1	1308.1	1314.2	1305.8	1286.1	1249.6
42.5°	1314.9	1305.8	1284.5	1289.9	1306.6	1386.3	1435.7	1452.4	1444.1	1424.3	1365.1
45°	1510.2	1500.3	1464.6	1460.0	1469.1	1539.0	1602.8	1606.6	1605.1	1580.0	1510.2
47.5°	1739.6	1724.4	1686.4	1674.2	1671.2	1735.8	1797.3	1803.4	1799.6	1762.3	1668.9
50°	1988.0	1965.9	1940.9	1932.5	1920.4	1966.7	2029.0	2029.7	2014.5	1962.9	1875.5
52.5°	2253.1	2245.5	2240.9	2232.6	2227.2	2267.5	2305.5	2282.7	2259.9	2206.0	2130.0
55°	2520.5	2551.6	2583.5	2586.6	2595.7	2639.0	2638.2	2575.9	2559.2	2529.6	2454.4
57.5°	2804.6	2920.0	3020.3	3051.4	3081.8	3162.4	3154.8	3093.2	3072.0	3035.5	2973.2
60°	3191.2	3502.7	3792.1	3861.2	3909.1	4005.5	3996.4	3901.5	3945.5	3942.5	3862.0
62.5°	3732.8	4250.9	4684.7	4791.0	4824.4	4835.1	4777.3	4674.8	4718.1	4766.7	4519.1
65°	4099.7	4709.0	5154.1	5236.2	5240.7	5113.9	4985.5	4864.7	4854.1	4812.3	4458.3
66°	4108.1	4731.8	5178.4	5258.2	5230.1	5056.9	4894.3	4772.8	4720.4	4628.4	4261.5
67.5°	3960.7	4589.7	5070.6	5154.9	5093.3	4848.0	4623.9	4467.4	4364.9	4216.0	3892.4
70°	3326.4	3950.1	4542.6	4699.9	4719.6	4353.5	4042.8	3858.9	3720.7	3516.3	3237.6
72.5°	2473.4	3037.0	3559.6	3710.0	3786.8	3494.3	3232.2	3092.5	2903.3	2688.3	2490.1
75°	1550.4	1948.5	2298.6	2404.2	2332.1	2105.7	1948.5	1890.0	1703.9	1575.5	1485.1
77.5°	886.5	1011.1	1039.2	998.9	913.8	699.6	497.6	368.4	319.8	354.0	390.5
80°	865.2	793.1	632.0	556.1	503.6	346.4	203.6	139.8	116.2	119.3	129.1
82.5°	937.4	1005.8	828.0	675.3	566.7	382.9	211.2	112.4	76.0	89.6	101.0
85°	609.2	847.8	763.4	643.4	521.1	327.4	174.0	58.5	38.7	50.9	69.9
87.5°	61.5	67.6	57.7	78.2	58.5	27.3	13.7	8.4	7.6	9.1	13.7
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°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4
2.5°	756.6	756.6	757.4	758.1	758.9	759.6	759.6	759.6	759.6	761.2	760.4
5°	758.1	759.6	761.2	761.9	763.4	763.4	765.7	765.0	765.0	767.2	768.0
7.5°	761.2	763.4	766.5	765.7	768.7	768.0	769.5	769.5	767.2	768.0	766.5
10°	768.0	771.0	772.5	770.3	771.0	768.0	767.2	763.4	758.9	756.6	753.6
12.5°	779.4	782.4	782.4	778.6	774.1	767.2	761.9	753.6	746.7	742.9	739.1
15°	789.3	792.3	791.5	785.5	778.6	768.0	760.4	750.5	740.6	734.6	730.8
17.5°	796.9	798.4	796.1	787.7	780.1	770.3	762.7	752.0	740.6	733.0	726.2
20°	808.2	806.7	801.4	790.8	782.4	773.3	767.2	758.1	745.2	735.3	725.4
22.5°	825.0	818.9	809.0	797.6	789.3	780.9	774.8	765.0	752.0	739.9	728.5
25°	847.0	834.8	821.2	809.0	801.4	792.3	785.5	774.8	761.2	747.5	733.8
27.5°	878.9	857.6	840.2	829.5	821.2	809.8	801.4	787.7	773.3	757.4	742.2
30°	914.6	885.7	869.0	860.7	851.5	839.4	826.5	809.0	792.3	774.8	756.6
32.5°	960.9	926.0	910.0	901.7	889.5	874.3	859.1	839.4	815.8	793.1	771.0
35°	1021.7	986.0	969.3	956.4	939.7	919.9	897.9	871.3	839.4	809.0	780.9
37.5°	1087.0	1048.3	1032.3	1018.7	993.6	967.8	936.6	897.9	854.6	814.3	779.4
40°	1169.8	1134.1	1113.6	1090.1	1060.4	1015.6	967.0	910.8	855.3	806.0	765.0
42.5°	1274.7	1239.0	1208.6	1171.4	1119.7	1050.6	981.4	908.5	841.7	785.5	741.4
45°	1413.7	1370.4	1318.0	1252.6	1169.1	1072.6	982.2	894.1	815.8	753.6	706.5
47.5°	1583.8	1517.7	1431.9	1321.8	1201.7	1078.7	970.1	865.2	775.6	708.0	655.6
50°	1785.9	1681.8	1540.5	1378.7	1218.5	1069.6	939.7	821.9	718.6	646.4	584.2
52.5°	2016.8	1846.7	1638.5	1419.8	1217.7	1039.2	888.0	756.6	644.2	563.6	504.4
55°	2288.0	2035.1	1739.6	1450.1	1196.4	983.0	809.0	664.7	552.3	477.8	423.1
57.5°	2685.3	2340.4	1915.8	1497.2	1153.9	896.4	701.9	554.5	455.8	385.1	338.8
60°	3411.5	2850.1	2233.3	1592.2	1088.6	769.5	576.6	436.8	354.0	297.0	265.9
62.5°	3958.4	3244.4	2405.0	1570.9	957.1	613.0	427.7	318.3	260.6	221.8	202.1
65°	3880.2	3122.1	2221.9	1352.9	750.5	432.2	284.1	216.5	179.3	161.0	149.6
66°	3703.2	2962.6	2063.2	1217.7	648.7	359.3	234.0	181.6	154.2	141.3	133.7
67.5°	3367.5	2666.3	1779.1	998.2	498.3	260.6	176.2	143.6	125.3	120.0	114.7
70°	2799.2	2126.2	1248.8	581.1	254.5	145.1	111.7	100.3	95.7	95.0	93.4
72.5°	2145.2	1504.8	735.3	275.0	132.2	96.5	86.6	82.8	81.3	81.3	82.0
75°	1314.9	845.5	325.1	134.5	92.7	81.3	76.7	75.2	74.4	75.2	74.4
77.5°	439.1	268.9	139.0	101.8	84.3	75.2	72.2	70.6	70.6	70.6	70.6
80°	134.5	117.0	106.3	94.2	79.8	71.4	66.8	66.1	66.8	67.6	65.3
82.5°	101.0	95.7	89.6	83.6	72.2	63.8	62.3	62.3	62.3	60.0	57.0
85°	74.4	73.7	60.8	57.0	53.2	53.2	53.2	53.2	50.9	47.1	44.1
87.5°	13.7	12.9	13.7	14.4	21.3	22.8	22.8	24.3	26.6	25.1	25.1
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):**

	160°	165°	170°	175°	180°
0°	757.4	757.4	757.4	757.4	757.4
2.5°	760.4	759.6	761.9	760.4	761.2
5°	767.2	766.5	768.0	766.5	768.7
7.5°	765.0	763.4	762.7	763.4	764.2
10°	749.0	747.5	746.7	746.0	746.7
12.5°	735.3	732.3	732.3	730.8	731.5
15°	725.4	723.2	722.4	720.9	721.7
17.5°	720.9	717.1	715.6	714.1	714.1
20°	717.9	713.3	711.0	709.5	708.7
22.5°	717.9	711.0	708.0	706.5	705.7
25°	720.9	712.5	708.0	705.7	704.9
27.5°	727.0	716.3	711.0	708.0	708.0
30°	737.6	723.9	716.3	712.5	711.8
32.5°	748.2	730.0	719.4	714.8	713.3
35°	753.6	730.0	717.1	709.5	708.0
37.5°	747.5	720.1	704.2	692.8	690.5
40°	728.5	699.6	682.2	671.5	670.0
42.5°	703.4	675.3	654.8	647.2	644.9
45°	669.2	635.8	615.3	604.7	605.4
47.5°	610.7	576.6	558.3	548.5	550.0
50°	541.6	508.2	492.2	481.6	483.9
52.5°	465.7	435.3	420.1	414.8	413.2
55°	385.9	362.3	351.7	345.6	343.4
57.5°	313.0	296.3	288.7	281.1	281.8
60°	246.9	238.5	236.2	227.9	227.1
62.5°	194.5	189.1	186.9	180.8	181.6
65°	147.4	145.8	147.4	143.6	145.1
66°	132.9	133.7	133.7	131.4	132.9
67.5°	114.7	116.2	118.5	116.2	117.7
70°	95.0	96.5	98.0	98.0	98.0
72.5°	82.8	84.3	85.1	85.1	85.1
75°	76.0	76.7	77.5	76.0	76.0
77.5°	71.4	71.4	69.9	69.1	68.4
80°	64.6	63.8	61.5	60.0	60.0
82.5°	53.9	52.4	50.9	48.6	48.6
85°	41.0	39.5	38.0	34.9	33.4
87.5°	21.3	22.0	21.3	17.5	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)