

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: P181444

Luminaire Tested: **ICM-F03-LED-E1-T3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181444  
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: ICM-F03-LED-E1-T3  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7104.8 lumens  
Efficiency: N/A  
Efficacy: 90.7 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

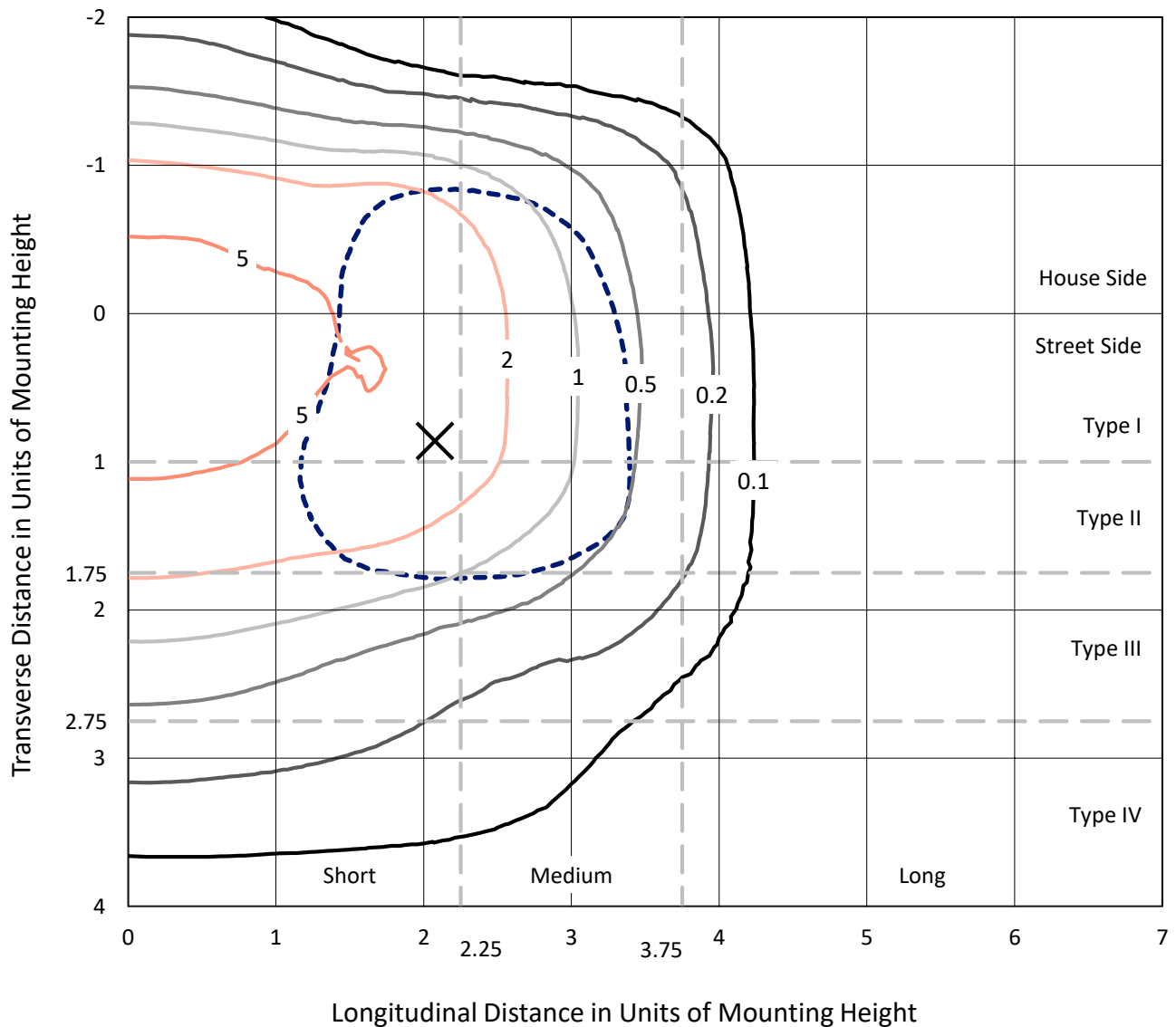
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

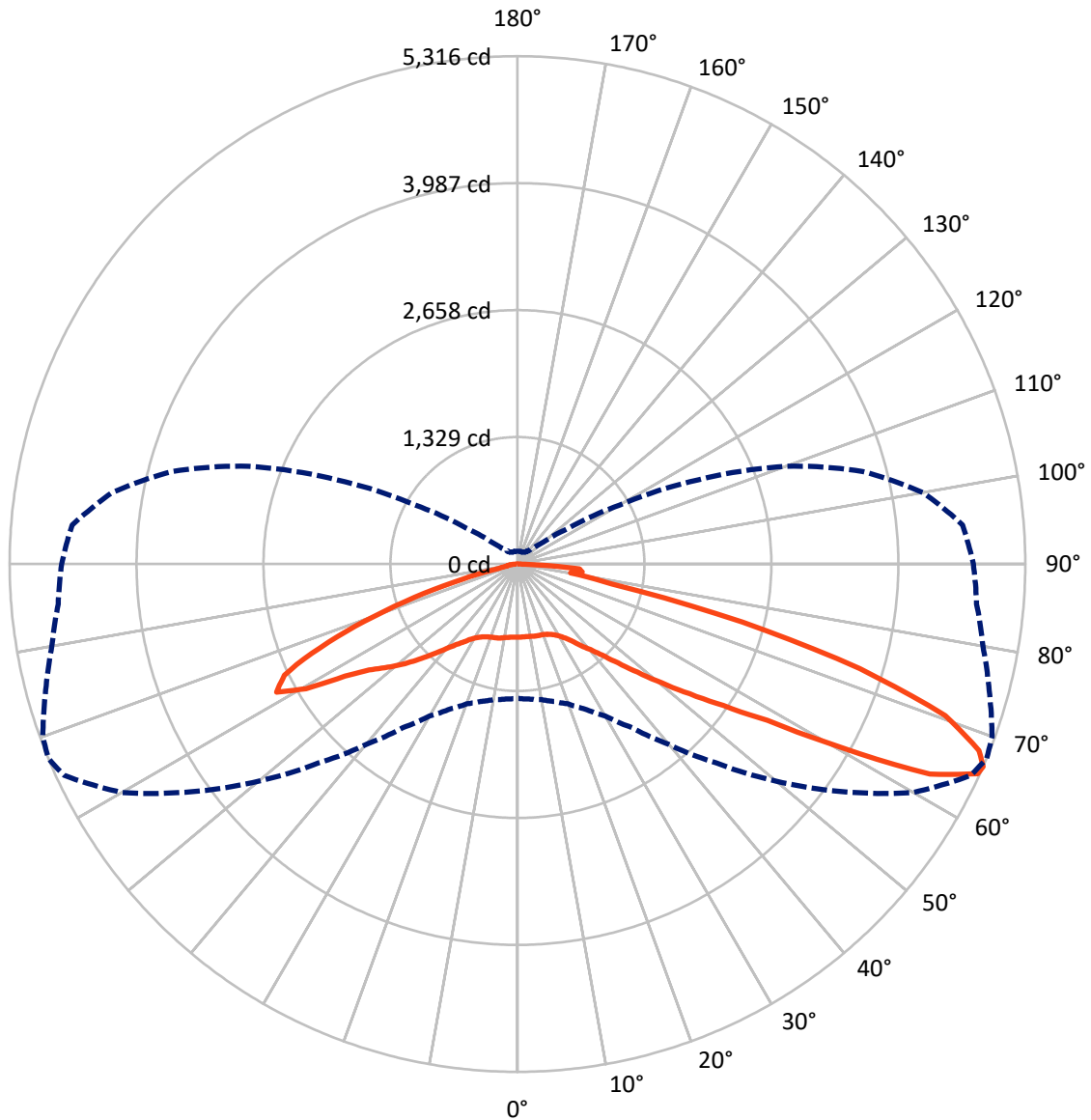
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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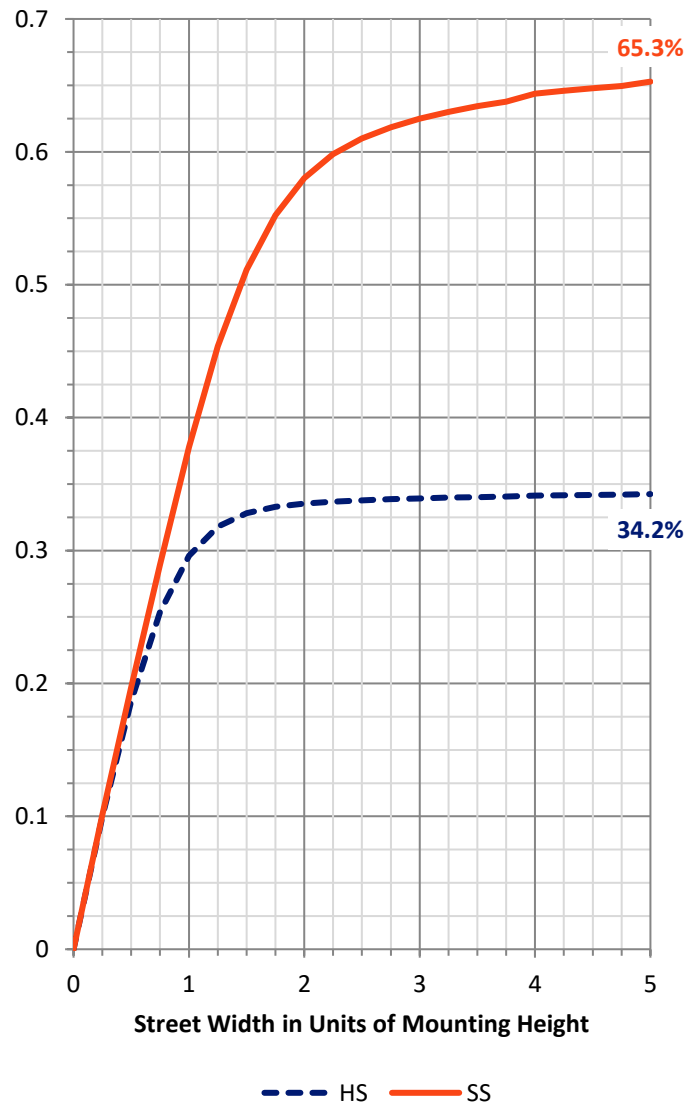
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2453.5	0.0	2453.5
	% Fixture	34.5	0.0	34.5
<b>Street Side</b>	Lumens	4651.3	0.0	4651.3
	% Fixture	65.5	0.0	65.5
<b>Total</b>	Lumens	7104.8	0.0	7104.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	1.0
10°-20°	216.4	3.0
20°-30°	372.0	5.2
30°-40°	603.9	8.5
40°-50°	1008.3	14.2
50°-60°	1587.7	22.3
60°-70°	2165.0	30.5
70°-80°	937.2	13.2
80°-90°	140.9	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°	7104.8	100.0
0°-180°	7104.8	100.0

**Coefficient of Utilization**



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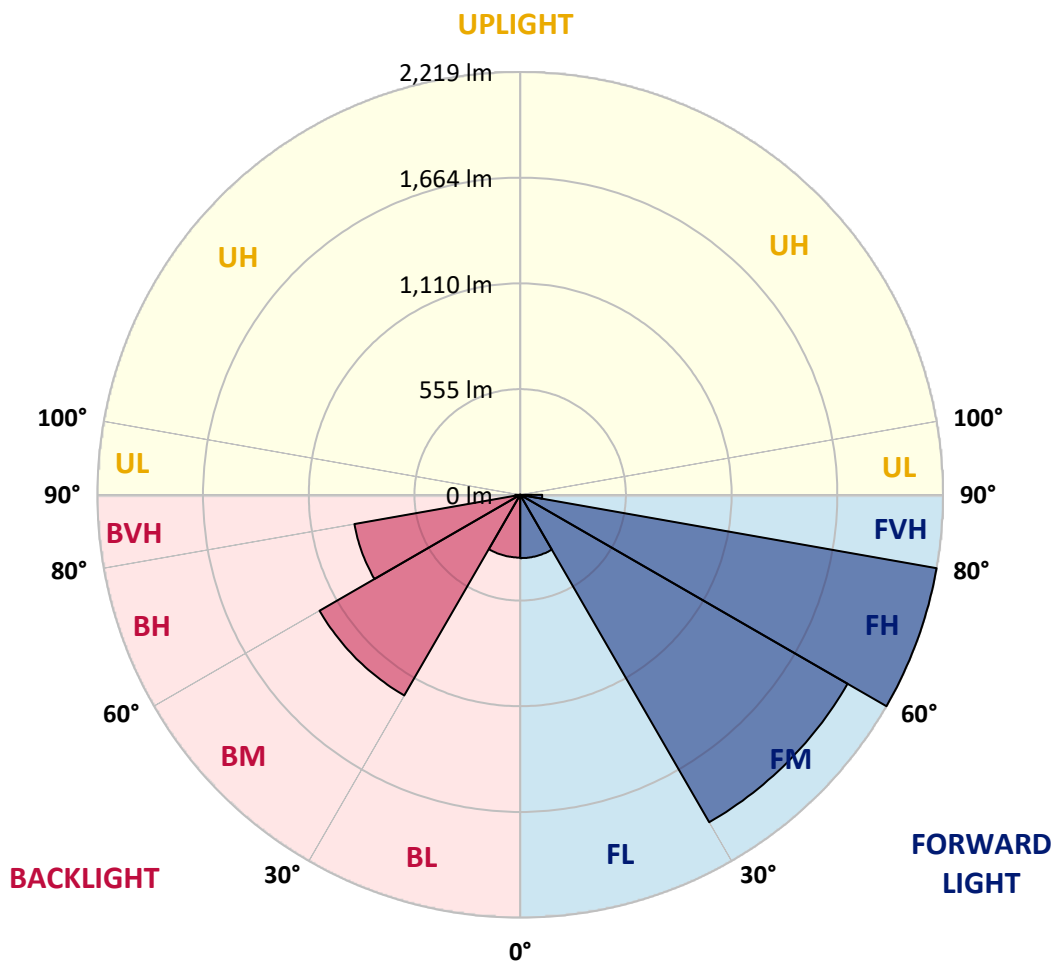
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.4	4.7			
FM	(30°-60°)	1984.1	27.9			
FH	(60°-80°)	2219.1	31.2			G2/5000
FVH	(80°-90°)	115.7	1.6			G2/225
BL	(0°-30°)	329.3	4.6	B1/500		
BM	(30°-60°)	1215.8	17.1	B2/2500		
BH	(60°-80°)	883.1	12.4	B2/1000		G2/1000
BVH	(80°-90°)	25.2	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°	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6
2.5°	768.7	771.8	768.7	769.5	770.2	769.5	768.7	768.7	766.4	767.9	769.5
5°	765.6	767.9	767.2	767.9	768.7	767.9	767.2	767.9	766.4	767.2	769.5
7.5°	761.8	761.0	761.8	763.4	764.8	764.8	764.8	765.6	764.8	764.8	767.2
10°	750.2	751.1	752.6	754.9	755.6	758.0	758.0	760.3	761.0	762.5	765.6
12.5°	735.7	736.5	738.0	739.5	743.4	747.2	747.2	752.6	754.9	758.7	764.1
15°	724.9	725.7	727.3	728.7	731.8	735.7	738.0	744.1	748.0	754.9	762.5
17.5°	731.1	730.3	731.8	732.7	732.7	735.7	735.7	740.3	744.9	751.1	761.0
20°	748.7	748.7	750.2	750.2	749.5	751.1	748.0	748.0	748.7	751.8	758.7
22.5°	766.4	765.6	768.7	770.2	771.0	773.3	770.2	769.5	765.6	763.4	765.6
25°	783.3	782.5	786.3	788.7	792.5	794.8	794.8	794.8	791.7	787.9	785.6
27.5°	809.4	809.4	813.2	815.5	818.6	823.3	825.5	825.5	826.3	820.9	817.1
30°	853.2	854.0	854.7	857.8	860.8	862.4	865.5	867.7	870.1	867.0	860.8
32.5°	905.4	900.7	900.7	905.4	909.2	913.9	915.4	918.4	923.1	920.7	920.0
35°	967.6	966.1	964.6	966.1	970.7	976.0	982.1	987.5	984.5	989.1	986.8
37.5°	1059.7	1061.3	1062.1	1062.1	1061.3	1062.8	1065.9	1071.3	1069.8	1071.3	1074.3
40°	1211.8	1206.4	1201.0	1201.8	1194.1	1195.6	1183.4	1188.8	1189.5	1184.2	1186.4
42.5°	1363.8	1366.9	1369.2	1375.4	1370.0	1366.9	1355.5	1355.5	1349.2	1343.9	1342.3
45°	1528.2	1534.3	1535.1	1547.4	1542.8	1552.8	1561.2	1558.9	1548.9	1548.2	1537.4
47.5°	1659.5	1669.5	1680.2	1694.8	1706.3	1728.7	1754.7	1767.8	1775.5	1781.6	1769.3
50°	1757.8	1762.4	1790.1	1813.1	1838.4	1875.3	1911.4	1958.2	1995.8	2013.5	2030.4
52.5°	1810.8	1822.3	1852.3	1888.4	1932.8	1988.2	2046.5	2121.0	2185.5	2228.6	2266.9
55°	1822.3	1833.9	1867.6	1913.7	1974.3	2048.8	2132.6	2234.0	2330.7	2413.6	2494.2
57.5°	1790.1	1803.1	1839.2	1892.2	1963.6	2054.2	2159.5	2292.3	2425.9	2560.3	2679.4
60°	1730.9	1747.1	1780.1	1832.3	1911.4	2013.5	2139.5	2306.2	2493.5	2699.3	2927.4
62.5°	1633.4	1650.3	1681.0	1738.6	1820.0	1932.8	2078.8	2286.2	2551.1	2875.2	3279.8
65°	1476.8	1484.4	1522.1	1580.4	1652.6	1777.0	1937.5	2187.8	2532.7	2983.5	3541.0
66°	1406.1	1419.2	1442.1	1489.0	1558.1	1674.9	1836.1	2090.3	2462.8	2945.8	3534.1
67.5°	1295.5	1305.5	1320.8	1352.3	1394.6	1480.6	1633.4	1873.8	2249.3	2755.4	3387.4
70°	1047.4	1052.1	1072.8	1083.5	1098.1	1126.5	1181.9	1320.1	1612.7	2088.0	2733.9
72.5°	714.1	727.3	749.5	780.2	820.2	858.5	884.7	902.3	965.3	1245.6	1821.5
75°	523.7	537.6	566.0	606.7	676.6	756.4	839.4	877.8	851.6	815.5	1014.4
77.5°	304.1	322.5	346.3	385.5	450.0	556.0	698.1	824.0	909.2	914.6	868.6
80°	128.3	130.5	145.1	165.1	205.0	279.5	390.1	571.4	760.3	887.7	917.7
82.5°	29.2	36.1	46.0	54.5	66.8	92.2	136.7	227.4	410.9	644.3	840.1
85°	10.8	10.8	14.6	21.5	24.6	27.6	36.1	57.6	98.3	181.2	377.9
87.5°	0.0	0.7	1.6	1.6	3.1	3.8	6.1	8.5	7.7	6.9	23.1
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6
2.5°	767.9	767.2	765.6	765.6	765.6	765.6	764.1	764.8	763.4	764.1	764.1
5°	767.2	767.2	766.4	764.8	765.6	765.6	766.4	764.8	764.8	765.6	764.8
7.5°	767.2	766.4	766.4	766.4	767.2	766.4	767.2	767.2	767.2	767.9	767.9
10°	767.2	767.2	768.7	769.5	769.5	770.2	772.6	772.6	773.3	774.1	775.6
12.5°	767.9	771.0	773.3	775.6	776.4	778.0	781.8	781.8	783.3	785.6	786.3
15°	768.7	773.3	778.0	779.4	781.0	784.1	787.9	789.4	791.7	794.1	795.5
17.5°	767.9	774.1	779.4	781.8	784.1	787.9	792.5	794.1	797.1	800.2	803.3
20°	767.2	775.6	784.1	787.2	790.2	795.5	801.7	805.6	808.7	813.2	816.3
22.5°	771.8	781.8	793.3	797.9	803.3	810.1	818.6	823.3	827.1	831.6	834.0
25°	786.3	794.1	807.9	815.5	822.4	834.0	845.5	850.9	855.4	859.4	860.1
27.5°	811.0	813.2	830.1	840.1	850.1	868.6	882.3	886.2	894.6	897.7	896.9
30°	850.9	847.1	860.8	876.2	890.8	916.2	933.0	943.0	950.7	950.7	944.6
32.5°	908.5	902.3	906.1	923.8	940.7	977.6	997.6	1010.6	1016.0	1014.4	1001.4
35°	983.7	979.9	977.6	991.4	1018.2	1061.3	1087.4	1094.3	1102.8	1101.2	1084.3
37.5°	1072.8	1069.8	1069.8	1085.9	1112.0	1175.7	1204.1	1208.8	1208.0	1195.6	1164.2
40°	1178.1	1176.5	1169.6	1178.8	1201.0	1284.0	1322.4	1328.6	1320.1	1300.1	1263.3
42.5°	1329.3	1320.1	1298.6	1303.9	1320.8	1401.5	1451.4	1468.3	1459.8	1439.9	1380.0
45°	1526.6	1516.7	1480.6	1476.0	1485.2	1555.8	1620.4	1624.2	1622.6	1597.3	1526.6
47.5°	1758.6	1743.2	1704.8	1692.6	1689.5	1754.7	1816.9	1823.1	1819.3	1781.6	1687.2
50°	2009.7	1987.5	1962.1	1953.6	1941.3	1988.2	2051.2	2051.9	2036.6	1984.4	1896.0
52.5°	2277.7	2270.1	2265.4	2256.9	2251.5	2292.3	2330.7	2307.6	2284.6	2230.1	2153.3
55°	2548.0	2579.5	2611.7	2614.8	2624.0	2667.8	2667.0	2604.1	2587.2	2557.2	2481.2
57.5°	2835.2	2951.9	3053.3	3084.8	3115.6	3196.9	3189.2	3127.0	3105.5	3068.7	3005.7
60°	3226.1	3541.0	3833.5	3903.4	3951.8	4049.3	4040.1	3944.1	3988.7	3985.6	3904.2
62.5°	3773.6	4297.3	4735.8	4843.4	4877.1	4887.9	4829.5	4725.9	4769.6	4818.8	4568.4
65°	4144.6	4760.4	5210.5	5293.3	5298.0	5169.7	5039.9	4917.9	4907.1	4864.9	4507.0
66°	4153.0	4783.5	5235.0	5315.7	5287.2	5112.1	4947.8	4825.0	4771.9	4679.0	4308.1
67.5°	4004.0	4639.8	5126.0	5211.2	5149.0	4901.0	4674.4	4516.2	4412.6	4262.1	3934.9
70°	3362.8	3993.2	4592.2	4751.2	4771.2	4401.1	4086.9	3901.1	3761.3	3554.8	3273.0
72.5°	2500.4	3070.2	3598.5	3750.6	3828.1	3532.5	3267.6	3126.3	2935.1	2717.7	2517.3
75°	1567.4	1969.8	2323.7	2430.5	2357.6	2128.8	1969.8	1910.6	1722.5	1592.7	1501.3
77.5°	896.2	1022.1	1050.5	1009.9	923.8	707.3	503.0	372.5	323.3	357.9	394.7
80°	874.7	801.7	638.9	562.1	509.1	350.1	205.8	141.3	117.5	120.6	130.5
82.5°	947.6	1016.8	837.0	682.7	572.8	387.1	213.5	113.7	76.8	90.6	102.1
85°	615.9	857.0	771.8	650.4	526.8	331.0	175.8	59.2	39.2	51.4	70.6
87.5°	62.2	68.4	58.3	79.1	59.2	27.6	13.9	8.5	7.7	9.2	13.9
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°	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6
2.5°	764.8	764.8	765.6	766.4	767.2	767.9	767.9	767.9	767.9	769.5	768.7
5°	766.4	767.9	769.5	770.2	771.8	771.8	774.1	773.3	773.3	775.6	776.4
7.5°	769.5	771.8	774.9	774.1	777.1	776.4	778.0	778.0	775.6	776.4	774.9
10°	776.4	779.4	781.0	778.7	779.4	776.4	775.6	771.8	767.2	764.8	761.8
12.5°	787.9	791.0	791.0	787.2	782.5	775.6	770.2	761.8	754.9	751.1	747.2
15°	797.9	800.9	800.2	794.1	787.2	776.4	768.7	758.7	748.7	742.6	738.8
17.5°	805.6	807.1	804.8	796.4	788.7	778.7	771.0	760.3	748.7	741.0	734.1
20°	817.1	815.5	810.1	799.4	791.0	781.8	775.6	766.4	753.3	743.4	733.4
22.5°	834.0	827.8	817.9	806.3	797.9	789.4	783.3	773.3	760.3	748.0	736.5
25°	856.3	844.0	830.1	817.9	810.1	800.9	794.1	783.3	769.5	755.6	741.9
27.5°	888.5	867.0	849.3	838.6	830.1	818.6	810.1	796.4	781.8	765.6	750.2
30°	924.6	895.4	878.5	870.1	860.8	848.6	835.5	817.9	800.9	783.3	764.8
32.5°	971.4	936.1	920.0	911.5	899.3	883.9	868.6	848.6	824.7	801.7	779.4
35°	1032.8	996.8	979.9	966.8	950.0	930.0	907.7	880.8	848.6	817.9	789.4
37.5°	1098.9	1059.7	1043.6	1029.8	1004.5	978.3	946.9	907.7	863.9	823.3	787.9
40°	1182.6	1146.5	1125.8	1102.0	1072.0	1026.7	977.6	920.7	864.7	814.8	773.3
42.5°	1288.6	1252.5	1221.8	1184.2	1131.9	1062.1	992.2	918.4	850.9	794.1	749.5
45°	1429.1	1385.3	1332.4	1266.3	1181.9	1084.3	992.9	903.8	824.7	761.8	714.1
47.5°	1601.1	1534.3	1447.5	1336.2	1214.9	1090.4	980.7	874.7	784.1	715.7	662.7
50°	1805.4	1700.2	1557.4	1393.8	1231.7	1081.2	950.0	830.9	726.4	653.5	590.5
52.5°	2038.9	1866.9	1656.5	1435.3	1231.0	1050.5	897.7	764.8	651.2	569.8	509.9
55°	2313.0	2057.3	1758.6	1466.0	1209.5	993.7	817.9	671.9	558.3	483.1	427.7
57.5°	2714.6	2366.0	1936.8	1513.6	1166.5	906.1	709.6	560.6	460.7	389.3	342.5
60°	3448.8	2881.3	2257.7	1609.6	1100.5	778.0	582.9	441.6	357.9	300.3	268.7
62.5°	4001.7	3279.8	2431.3	1588.1	967.6	619.7	432.4	321.8	263.4	224.3	204.3
65°	3922.6	3156.2	2246.2	1367.7	758.7	436.9	287.2	218.9	181.2	162.8	151.3
66°	3743.7	2994.9	2085.7	1231.0	655.8	363.3	236.6	183.5	155.9	142.8	135.2
67.5°	3404.3	2695.5	1798.5	1009.0	503.7	263.4	178.1	145.1	126.7	121.3	116.0
70°	2829.9	2149.4	1262.5	587.4	257.3	146.7	112.9	101.4	96.7	96.0	94.4
72.5°	2168.7	1521.3	743.4	278.0	133.6	97.5	87.5	83.7	82.1	82.1	83.0
75°	1329.3	854.7	328.7	135.9	93.7	82.1	77.6	76.0	75.3	76.0	75.3
77.5°	443.9	271.8	140.6	102.9	85.2	76.0	72.9	71.4	71.4	71.4	71.4
80°	135.9	118.2	107.5	95.3	80.7	72.2	67.5	66.8	67.5	68.4	66.0
82.5°	102.1	96.7	90.6	84.5	72.9	64.5	63.0	63.0	63.0	60.7	57.6
85°	75.3	74.5	61.4	57.6	53.8	53.8	53.8	53.8	51.4	47.6	44.6
87.5°	13.9	13.0	13.9	14.6	21.5	23.1	23.1	24.6	26.9	25.3	25.3
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):**

	160°	165°	170°	175°	180°
0°	765.6	765.6	765.6	765.6	765.6
2.5°	768.7	767.9	770.2	768.7	769.5
5°	775.6	774.9	776.4	774.9	777.1
7.5°	773.3	771.8	771.0	771.8	772.6
10°	757.2	755.6	754.9	754.1	754.9
12.5°	743.4	740.3	740.3	738.8	739.5
15°	733.4	731.1	730.3	728.7	729.5
17.5°	728.7	724.9	723.4	721.9	721.9
20°	725.7	721.1	718.8	717.2	716.5
22.5°	725.7	718.8	715.7	714.1	713.4
25°	728.7	720.3	715.7	713.4	712.7
27.5°	734.9	724.2	718.8	715.7	715.7
30°	745.7	731.8	724.2	720.3	719.5
32.5°	756.4	738.0	727.3	722.6	721.1
35°	761.8	738.0	724.9	717.2	715.7
37.5°	755.6	728.0	711.9	700.4	698.1
40°	736.5	707.3	689.6	678.9	677.3
42.5°	711.1	682.7	662.0	654.2	652.0
45°	676.6	642.8	622.1	611.3	612.0
47.5°	617.4	582.9	564.5	554.4	556.0
50°	547.5	513.8	497.6	486.9	489.2
52.5°	470.7	440.0	424.7	419.3	417.8
55°	390.1	366.3	355.5	349.4	347.1
57.5°	316.4	299.5	291.8	284.1	284.9
60°	249.6	241.1	238.8	230.4	229.6
62.5°	196.6	191.3	188.9	182.8	183.5
65°	149.0	147.4	149.0	145.1	146.7
66°	134.4	135.2	135.2	132.8	134.4
67.5°	116.0	117.5	119.8	117.5	119.1
70°	96.0	97.5	99.1	99.1	99.1
72.5°	83.7	85.2	86.0	86.0	86.0
75°	76.8	77.6	78.3	76.8	76.8
77.5°	72.2	72.2	70.6	69.9	69.1
80°	65.3	64.5	62.2	60.7	60.7
82.5°	54.5	53.0	51.4	49.1	49.1
85°	41.5	39.9	38.4	35.3	33.8
87.5°	21.5	22.2	21.5	17.7	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)