

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: P180256

Luminaire Tested: **ICM-E01-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180256  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E01-LED-E1-RW-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2452.6 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

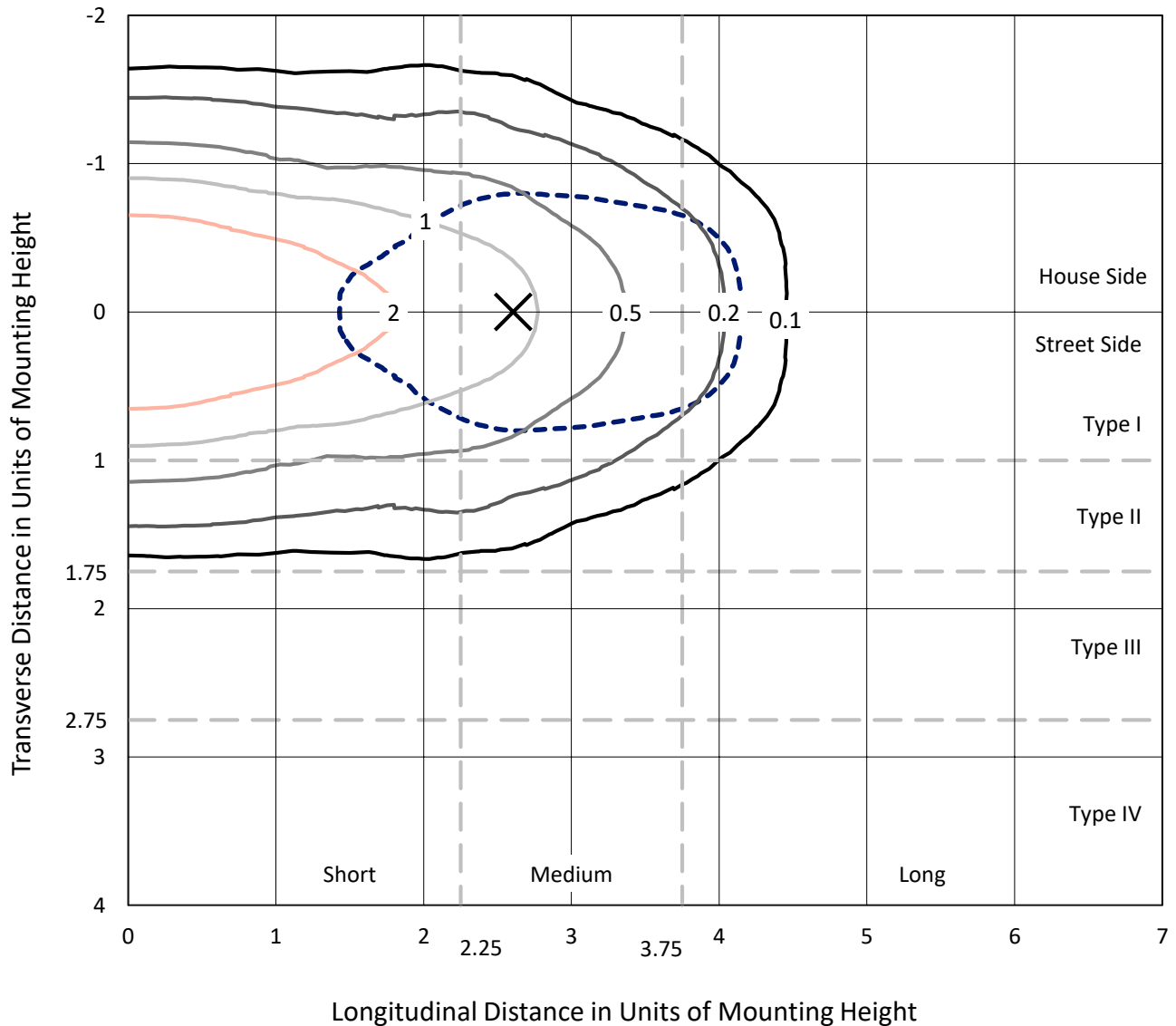
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

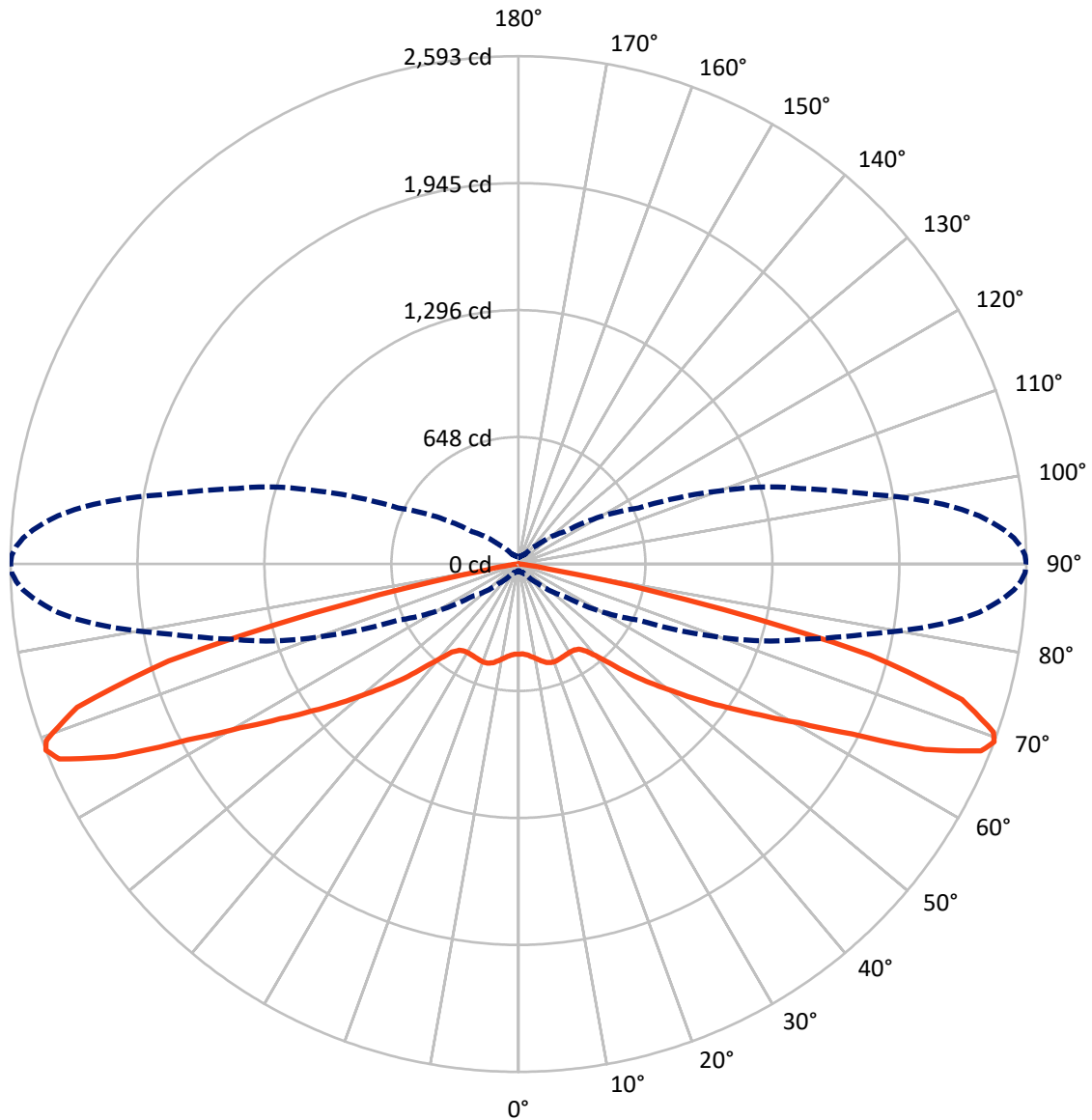
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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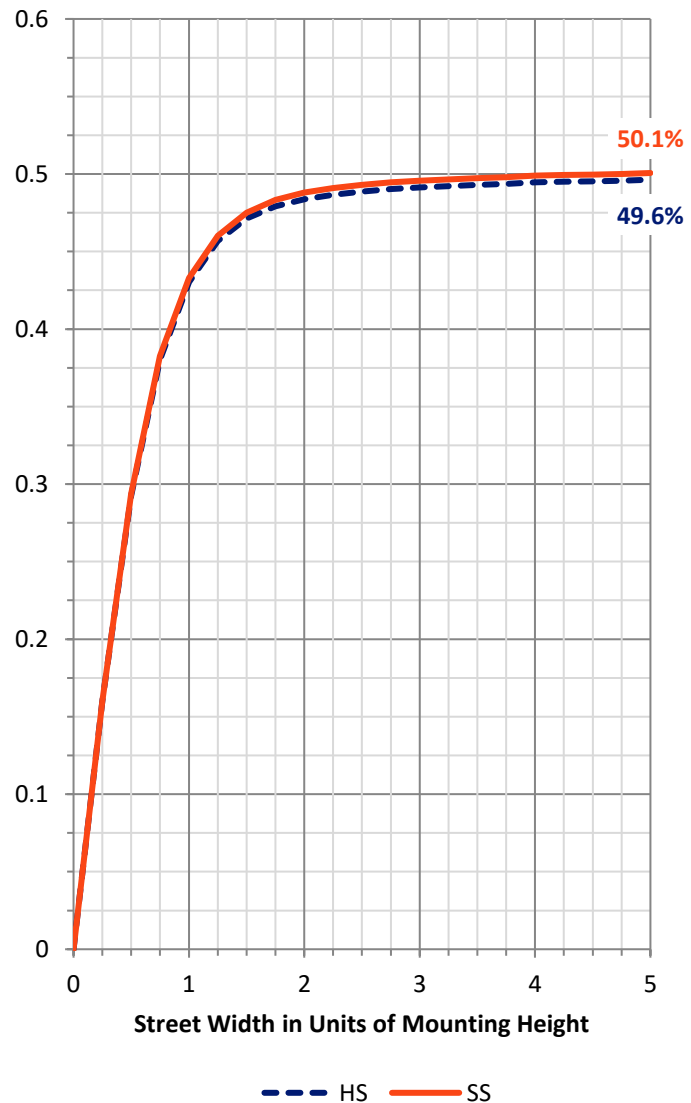
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1226.3	0.0	1226.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1226.3	0.0	1226.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2452.6	0.0	2452.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.1	1.8
10°-20°	142.2	5.8
20°-30°	230.4	9.4
30°-40°	287.1	11.7
40°-50°	358.8	14.6
50°-60°	443.0	18.1
60°-70°	550.5	22.4
70°-80°	365.4	14.9
80°-90°	30.2	1.2
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°	2452.6	100.0
0°-180°	2452.6	100.0



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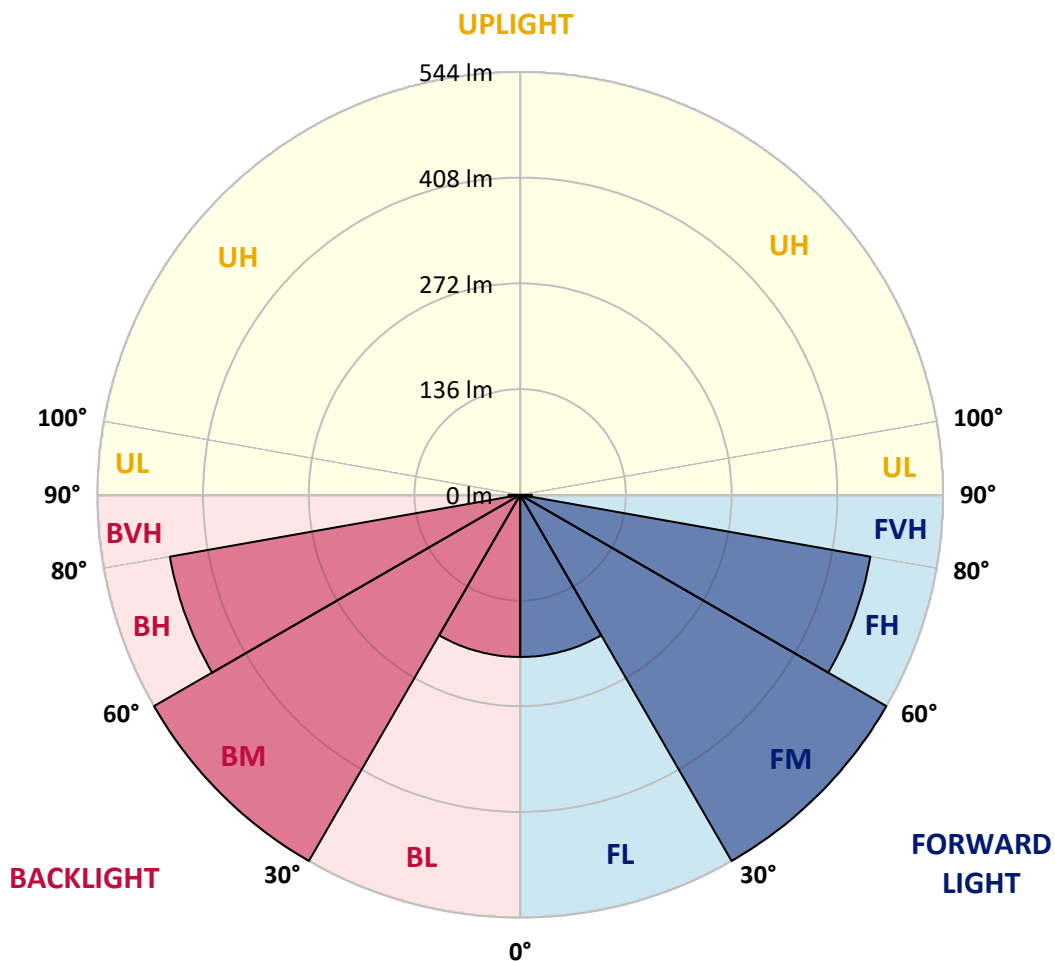
CATALOG NUMBER: ICM-E01-LED-E1-RW-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.8	8.5			
FM	(30°-60°)	544.5	22.2			
FH	(60°-80°)	458.0	18.7			G0/660
FVH	(80°-90°)	15.1	0.6			G1/100
BL	(0°-30°)	208.8	8.5	B1/500		
BM	(30°-60°)	544.5	22.2	B1/1000		
BH	(60°-80°)	458.0	18.7	B1/500		G1/500
BVH	(80°-90°)	15.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5
2.5°	461.7	462.0	461.8	462.3	462.1	462.1	462.0	461.4	461.0	460.8	460.9
5°	466.0	465.6	466.4	467.2	466.9	467.0	466.9	466.9	466.6	466.6	466.6
7.5°	470.9	470.7	471.2	473.3	473.6	474.4	475.3	475.9	476.0	476.1	476.0
10°	474.8	475.0	476.3	479.3	480.9	483.4	485.9	487.8	488.6	489.0	488.9
12.5°	478.1	478.3	480.2	484.9	488.7	493.4	498.8	501.8	503.1	503.4	503.5
15°	478.3	478.8	482.2	490.0	497.5	505.2	511.6	515.6	516.7	517.4	517.5
17.5°	475.0	475.3	480.9	492.4	505.1	517.1	523.8	525.6	526.0	526.2	526.1
20°	466.0	466.8	474.9	491.7	511.1	526.8	533.8	531.3	530.0	529.9	529.8
22.5°	451.7	451.5	462.1	484.9	512.3	534.3	540.6	534.0	530.1	529.3	528.8
25°	428.5	430.0	442.4	469.6	505.7	536.1	545.4	535.4	529.9	528.7	527.2
27.5°	403.2	404.1	417.3	446.5	490.0	530.2	547.7	538.3	532.1	530.3	528.7
30°	373.8	374.9	389.0	419.5	465.0	515.1	547.1	544.9	537.6	535.5	533.3
32.5°	344.9	346.2	358.9	392.3	438.7	494.2	543.2	554.1	546.7	544.4	542.0
35°	315.1	317.0	332.6	366.2	413.4	471.1	537.1	566.0	562.0	559.9	557.9
37.5°	290.3	290.7	305.7	341.1	389.8	448.9	529.1	581.1	584.1	584.1	584.4
40°	262.7	265.3	280.2	317.6	368.6	430.2	521.6	601.5	617.2	620.1	622.2
42.5°	238.0	238.3	253.5	292.1	345.3	415.2	517.4	626.1	659.5	665.7	671.8
45°	211.9	213.0	226.8	264.0	318.7	397.4	517.2	654.5	707.9	718.1	727.6
47.5°	187.3	187.7	202.2	237.0	288.0	372.5	516.3	685.0	757.7	772.8	785.2
50°	163.8	163.4	177.7	211.1	257.9	339.9	508.3	719.5	811.4	828.6	843.8
52.5°	136.9	138.7	153.5	185.4	230.3	306.8	485.0	757.4	867.2	887.1	906.2
55°	110.4	111.3	127.1	156.8	202.4	276.0	444.5	792.2	921.6	944.2	965.4
57.5°	81.4	83.8	97.7	127.1	174.1	250.0	392.9	810.2	967.7	993.8	1019.0
60°	57.5	59.3	71.5	96.3	143.2	222.6	348.7	800.2	1004.8	1038.1	1068.5
62.5°	44.7	46.1	56.0	72.1	111.6	195.2	316.7	767.5	1046.0	1089.4	1130.8
65°	39.3	40.6	49.5	57.7	83.3	167.3	299.4	733.2	1101.2	1165.1	1222.9
67.5°	35.5	37.0	44.7	50.5	67.9	146.0	294.9	711.4	1128.4	1211.5	1289.4
69°	33.8	35.3	42.2	47.2	63.1	138.4	287.0	677.3	1091.7	1180.8	1265.8
70°	32.7	34.0	40.4	45.4	61.5	133.2	273.9	634.6	1041.7	1131.4	1220.4
72.5°	30.4	31.0	36.7	41.5	57.1	107.7	210.6	471.4	824.2	911.7	998.1
75°	26.8	27.6	32.8	37.5	44.5	66.9	133.4	291.5	555.0	620.2	700.3
77.5°	23.2	23.8	28.5	35.9	34.5	41.8	79.6	162.2	315.0	352.9	404.9
80°	18.6	19.3	23.4	35.6	28.5	32.5	57.3	113.5	154.6	166.0	178.4
82.5°	13.6	14.3	18.3	28.7	21.9	24.5	43.7	96.2	110.5	115.6	118.1
85°	6.9	7.1	11.7	17.5	13.9	12.7	24.6	65.9	75.0	76.3	78.2
87.5°	1.1	1.1	2.6	3.0	3.4	2.0	3.2	11.3	13.0	12.9	14.0
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5
2.5°	461.0	461.0	461.1	461.1	461.3	460.8	460.7	460.7	460.6	460.8	460.7
5°	466.7	466.7	466.8	467.0	467.0	466.6	466.5	466.6	466.2	466.0	466.4
7.5°	476.3	476.2	475.9	476.3	476.6	476.7	476.9	476.7	476.6	476.5	476.7
10°	489.4	489.3	489.4	489.9	490.1	490.2	490.5	490.2	490.0	490.2	490.3
12.5°	504.1	503.8	504.4	504.7	505.1	505.9	505.5	506.0	505.6	506.2	506.2
15°	518.0	518.1	518.7	518.9	519.1	519.7	519.8	520.2	519.6	519.7	520.7
17.5°	526.5	526.4	526.8	527.0	527.4	527.7	528.3	528.7	528.4	528.4	528.9
20°	529.5	529.0	529.1	529.4	529.4	529.7	530.1	530.2	530.2	530.3	530.8
22.5°	528.0	527.4	526.7	526.7	526.8	526.7	527.0	527.2	527.4	527.7	528.4
25°	526.0	524.5	523.3	523.2	522.8	522.8	523.0	523.0	523.3	523.7	524.2
27.5°	526.2	524.3	522.2	521.6	520.8	520.4	520.2	519.8	520.2	520.6	521.1
30°	530.7	527.5	524.7	523.8	522.8	522.0	521.1	520.3	519.8	520.2	520.4
32.5°	538.6	535.5	532.7	531.3	529.8	528.3	526.8	525.9	524.7	524.3	524.2
35°	555.4	552.9	550.3	548.7	546.3	545.1	543.4	540.7	539.0	538.9	537.8
37.5°	583.6	582.4	580.6	578.9	578.1	574.8	572.7	571.4	569.3	570.6	568.4
40°	624.2	626.1	627.8	626.8	627.2	626.2	625.0	626.2	624.8	624.4	624.7
42.5°	676.2	683.1	687.8	689.4	693.2	694.8	697.6	702.0	701.1	706.1	707.0
45°	736.5	746.3	755.9	763.1	770.9	779.7	788.6	795.5	801.1	800.8	806.9
47.5°	798.0	812.6	825.3	836.0	850.1	863.1	877.4	891.7	902.2	906.1	907.5
50°	860.2	877.0	894.5	910.3	929.3	950.1	972.5	995.0	1006.3	1015.4	1021.6
52.5°	925.5	944.7	963.4	985.7	1009.0	1036.5	1064.6	1096.6	1113.5	1130.8	1139.9
55°	987.5	1009.0	1028.3	1058.1	1086.8	1119.5	1156.2	1196.7	1226.1	1246.3	1264.4
57.5°	1043.9	1066.8	1090.4	1124.1	1160.6	1198.9	1245.4	1294.5	1326.6	1362.0	1393.7
60°	1099.0	1127.7	1154.9	1198.9	1242.4	1290.0	1347.8	1410.1	1459.7	1507.7	1544.4
62.5°	1172.0	1208.9	1242.7	1298.1	1354.9	1413.7	1482.5	1556.1	1628.1	1693.2	1742.5
65°	1279.8	1334.2	1384.7	1454.8	1526.6	1603.9	1686.1	1780.1	1866.4	1952.8	2023.4
67.5°	1361.8	1430.6	1495.4	1580.2	1664.6	1754.3	1853.6	1964.7	2071.5	2168.8	2254.9
69°	1345.7	1418.7	1488.8	1575.5	1663.2	1754.8	1855.0	1973.0	2084.1	2189.7	2282.1
70°	1296.8	1372.8	1445.5	1531.5	1620.4	1712.2	1817.1	1932.9	2046.6	2159.2	2252.5
72.5°	1074.7	1151.1	1221.6	1309.6	1399.1	1495.5	1594.8	1707.7	1829.2	1949.4	2031.2
75°	770.5	838.1	906.4	980.8	1068.1	1147.6	1238.5	1346.2	1448.3	1541.6	1604.1
77.5°	455.4	495.8	544.6	579.5	630.3	674.1	720.3	780.1	811.5	871.7	887.3
80°	185.6	184.5	191.7	184.6	186.1	180.3	174.0	172.8	163.0	175.3	166.1
82.5°	117.9	109.7	100.8	88.7	78.0	66.8	56.5	47.8	46.3	46.5	46.1
85°	77.6	74.0	66.2	55.6	45.4	36.4	29.1	23.1	22.8	22.3	22.2
87.5°	14.0	13.0	10.7	9.2	7.7	5.8	4.0	3.0	2.9	2.9	3.4
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):**

	84°	85°	86°	87°	88°	89°	90°
0°	459.5	459.5	459.5	459.5	459.5	459.5	459.5
2.5°	460.7	460.7	460.5	460.7	460.6	460.3	459.8
5°	466.6	466.0	466.5	466.9	466.2	466.3	466.0
7.5°	476.7	476.6	476.7	476.3	476.1	476.5	476.8
10°	490.8	490.5	490.4	490.8	490.6	490.3	490.4
12.5°	506.7	506.7	506.6	506.6	506.6	506.0	505.9
15°	520.7	520.9	520.9	520.7	520.6	520.4	520.6
17.5°	529.3	529.1	529.1	529.1	529.0	529.1	529.4
20°	531.5	531.2	531.2	531.4	531.2	531.4	531.5
22.5°	528.6	528.6	528.6	528.7	528.9	528.9	529.1
25°	524.7	524.7	524.7	525.0	524.9	525.1	525.2
27.5°	521.7	521.7	521.7	522.0	522.0	522.0	522.3
30°	520.7	520.7	520.7	520.7	520.9	520.9	521.0
32.5°	524.3	523.9	523.8	523.5	523.4	523.3	523.2
35°	536.7	535.7	535.8	535.1	535.3	534.7	534.1
37.5°	567.0	566.0	564.8	563.2	562.2	563.4	563.4
40°	623.5	624.2	621.3	620.5	618.8	619.9	621.6
42.5°	707.5	708.3	708.8	704.5	704.4	703.4	700.8
45°	807.1	805.2	806.1	804.1	803.4	800.4	803.9
47.5°	912.5	913.7	908.8	907.4	910.1	905.3	906.1
50°	1025.0	1025.3	1021.8	1021.0	1023.5	1014.6	1018.8
52.5°	1146.5	1147.1	1149.8	1146.5	1147.8	1145.7	1150.0
55°	1275.7	1285.5	1286.4	1290.0	1290.2	1294.5	1290.2
57.5°	1411.4	1422.5	1432.9	1447.3	1450.4	1448.7	1451.5
60°	1574.8	1603.9	1619.7	1642.1	1645.6	1655.3	1646.9
62.5°	1788.8	1834.2	1868.6	1885.9	1896.3	1916.6	1909.9
65°	2088.2	2142.3	2194.4	2219.3	2246.7	2275.5	2280.8
67.5°	2333.4	2393.5	2447.7	2490.8	2524.3	2545.5	2547.2
69°	2364.1	2427.9	2485.0	2532.9	2565.5	2587.2	2592.9
70°	2336.5	2401.8	2462.2	2507.9	2544.3	2566.3	2574.2
72.5°	2117.0	2194.8	2243.2	2289.8	2341.0	2347.7	2368.9
75°	1675.8	1745.5	1793.0	1805.4	1832.2	1865.9	1853.9
77.5°	874.1	904.4	914.6	893.0	892.0	911.8	872.6
80°	166.4	166.7	164.0	162.9	164.8	162.9	160.2
82.5°	47.0	46.3	45.9	47.0	46.9	46.7	47.6
85°	21.8	21.0	20.0	20.0	20.6	19.7	20.2
87.5°	3.0	2.4	2.4	2.4	2.4	2.4	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)