

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: P677273

Luminaire Tested: **CCW-SA-1C-735-U-SLL-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677273
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-SLL-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

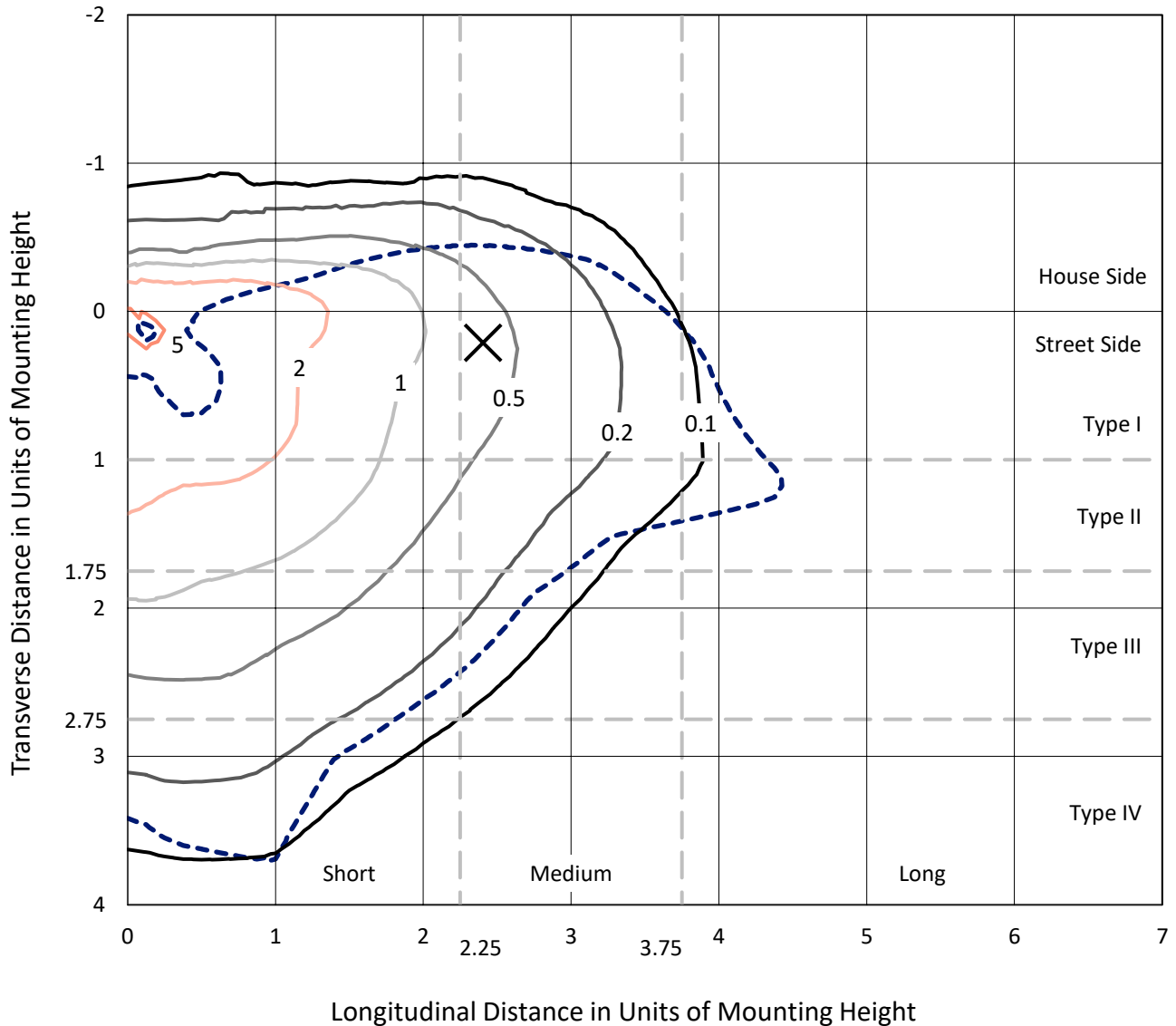
Lumens per Lamp: N/A
Luminaire Lumens: 3235.4 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): 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

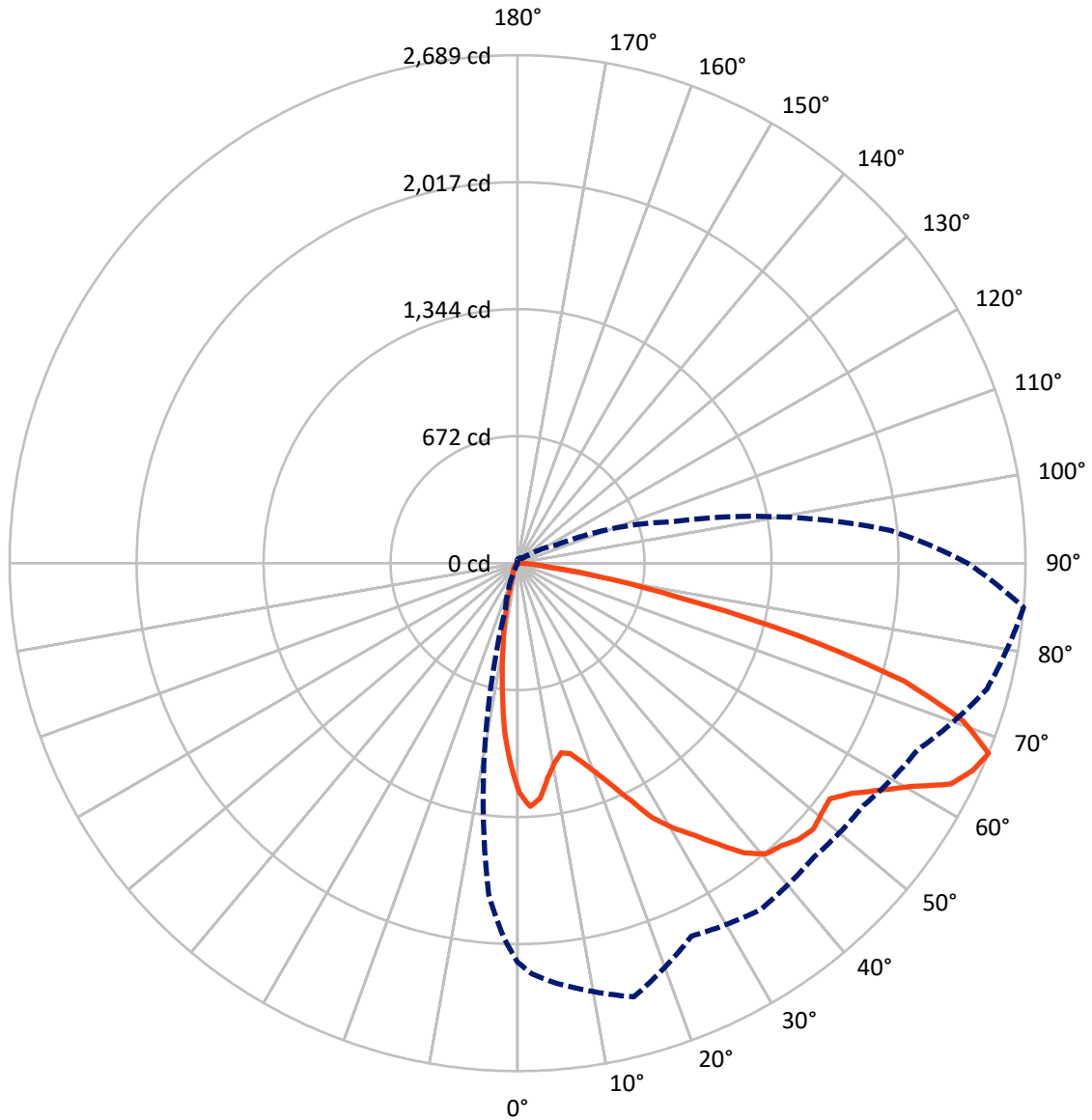
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.8	0.0	561.8
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	2673.6	0.0	2673.6
	% Fixture	82.6	0.0	82.6
Total	Lumens	3235.4	0.0	3235.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	2.9
10°-20°	181.2	5.6
20°-30°	250.8	7.8
30°-40°	354.4	11.0
40°-50°	482.6	14.9
50°-60°	639.1	19.8
60°-70°	742.1	22.9
70°-80°	420.2	13.0
80°-90°	72.6	2.2
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°	3235.4	100.0
0°-180°	3235.4	100.0



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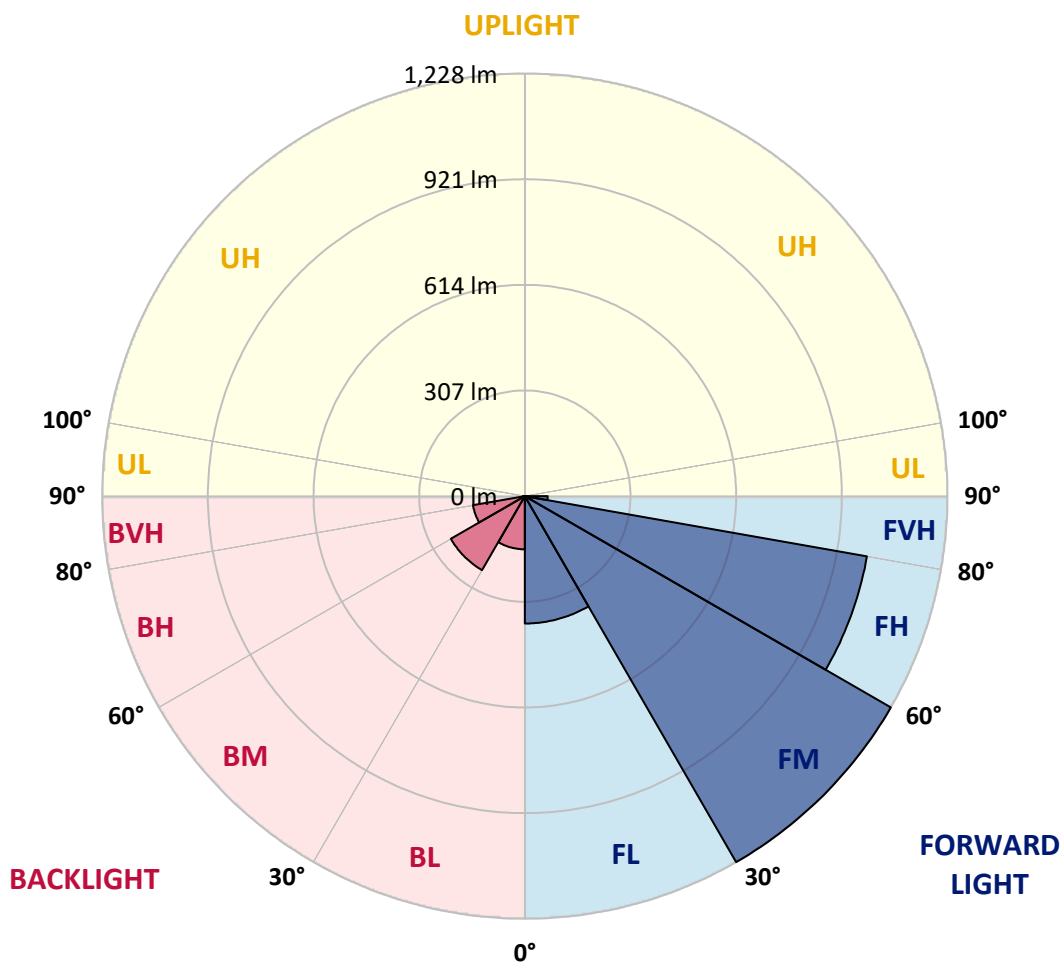
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.0	11.4			
FM (30°-60°)	1227.9	38.0			
FH (60°-80°)	1009.3	31.2			G1/1800
FVH (80°-90°)	66.5	2.1			G1/100
BL (0°-30°)	154.4	4.8	B1/500		
BM (30°-60°)	248.2	7.7	B1/1000		
BH (60°-80°)	153.0	4.7	B1/500		G1/500
BVH (80°-90°)	6.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1264.0	1290.8	1291.7	1303.8	1315.9	1315.9	1344.4	1337.5	1312.4	1308.1	1289.9
5°	1273.5	1283.0	1289.9	1351.3	1403.1	1397.9	1413.5	1403.1	1354.7	1292.5	1250.2
7.5°	1191.4	1201.8	1229.5	1334.0	1404.0	1427.3	1456.7	1391.9	1340.9	1228.6	1147.4
10°	1082.6	1102.4	1153.4	1272.7	1359.1	1433.4	1433.4	1381.5	1283.0	1173.3	1073.9
12.5°	1022.1	1061.8	1089.5	1210.4	1322.8	1373.7	1372.0	1344.4	1280.4	1142.2	1029.9
15°	1032.5	1043.7	1102.4	1196.6	1270.9	1268.3	1299.4	1290.8	1245.9	1169.8	1046.3
17.5°	1080.0	1097.3	1148.2	1196.6	1232.0	1221.7	1220.8	1262.3	1264.9	1216.5	1107.6
20°	1157.7	1208.7	1232.9	1247.6	1204.4	1160.3	1155.2	1213.0	1258.0	1276.1	1181.1
22.5°	1282.2	1315.9	1365.1	1289.9	1177.6	1122.3	1112.0	1175.9	1266.6	1347.0	1276.1
25°	1404.0	1429.9	1477.4	1380.7	1207.9	1114.5	1096.4	1151.7	1299.4	1445.4	1391.0
27.5°	1532.7	1555.2	1560.4	1447.2	1224.3	1099.0	1077.4	1151.7	1327.1	1497.3	1528.4
30°	1611.3	1638.1	1643.3	1505.9	1251.1	1112.0	1101.6	1156.9	1346.1	1541.4	1626.9
32.5°	1699.5	1706.4	1702.1	1516.3	1280.4	1150.0	1106.8	1191.4	1367.7	1594.1	1716.7
35°	1804.9	1817.0	1772.9	1563.8	1346.1	1174.2	1158.6	1233.8	1404.8	1618.2	1825.6
37.5°	1885.2	1923.2	1823.9	1582.0	1359.1	1225.1	1227.7	1321.9	1430.8	1647.6	1945.7
40°	2036.4	1972.5	1910.3	1644.2	1408.3	1311.5	1297.7	1412.6	1518.0	1666.6	2024.3
42.5°	2119.4	2085.7	1944.0	1650.2	1484.3	1430.8	1434.2	1515.4	1563.8	1720.2	2045.9
45°	2140.1	2104.7	1989.8	1654.5	1559.5	1571.6	1631.2	1646.8	1631.2	1755.6	2086.5
47.5°	2192.8	2115.9	1984.6	1712.4	1681.3	1728.0	1804.0	1837.7	1722.8	1742.7	2105.5
50°	2182.4	2138.4	1973.3	1736.6	1829.9	1953.5	2004.4	1990.6	1824.7	1715.9	2084.8
52.5°	2139.2	2091.7	2007.9	1802.3	1969.0	2118.5	2189.3	2154.8	1915.5	1776.4	2071.0
55°	2202.3	2166.0	2052.8	1891.3	2073.6	2263.6	2313.8	2287.8	2026.9	1832.5	2149.6
57.5°	2270.6	2262.8	2174.7	1995.8	2197.1	2413.1	2413.1	2381.1	2123.7	1913.7	2266.2
60°	2369.1	2386.3	2264.5	2064.9	2239.5	2404.5	2529.8	2492.6	2221.3	2056.3	2398.4
62.5°	2337.1	2392.4	2380.3	2213.5	2287.8	2446.8	2515.1	2542.7	2342.3	2229.9	2574.7
65°	2234.3	2293.0	2379.4	2311.2	2251.5	2344.0	2378.6	2462.4	2402.7	2393.2	2647.3
67.5°	2111.6	2175.5	2229.1	2376.8	2178.1	2239.5	2209.2	2236.0	2337.1	2572.1	2688.7
70°	1843.7	1905.1	1989.8	2230.8	1983.7	1928.4	1920.6	1907.7	2064.9	2508.2	2500.4
72.5°	1516.3	1544.8	1684.8	1813.5	1467.9	1457.5	1469.6	1455.0	1637.3	2270.6	2141.8
75°	1135.3	1163.8	1243.3	1392.7	999.6	940.0	1009.1	1077.4	1250.2	1762.5	1538.8
77.5°	853.6	889.9	940.0	1042.0	733.5	640.2	649.7	714.5	903.7	1411.8	862.3
80°	553.8	549.5	646.3	717.1	552.1	569.4	545.2	592.7	654.9	755.1	440.6
82.5°	319.7	324.0	364.6	411.3	384.5	439.8	317.1	529.6	467.4	307.6	164.2
85°	179.7	187.5	224.6	285.1	241.1	161.6	132.2	262.7	293.8	126.1	79.5
87.5°	18.1	15.6	30.2	108.0	65.7	26.8	39.7	63.1	70.8	47.5	23.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1264.0	1264.0	1242.4	1206.1	1191.4	1165.5	1130.1	1141.3	1129.2	1085.2	1073.9
5°	1212.2	1170.7	1125.8	1070.5	1038.5	972.8	952.1	915.0	921.0	883.9	885.6
7.5°	1104.2	1071.3	995.3	922.7	859.7	802.6	722.3	692.1	662.7	648.0	665.3
10°	1041.1	979.8	876.1	781.0	697.2	646.3	592.7	551.2	513.2	484.7	478.6
12.5°	995.3	940.9	815.6	699.8	634.2	592.7	543.4	486.4	449.3	400.0	385.3
15°	981.5	915.0	782.8	667.9	603.9	535.7	479.5	423.4	375.0	323.1	305.0
17.5°	1029.0	952.1	781.9	641.9	552.1	478.6	400.9	337.8	288.6	241.1	229.8
20°	1109.4	991.9	807.0	626.4	502.8	404.3	316.2	253.1	197.9	166.7	159.0
22.5°	1200.9	1059.2	809.6	584.9	453.6	330.0	230.7	166.7	135.6	121.0	116.6
25°	1313.3	1167.2	840.7	551.2	395.7	250.6	164.2	127.9	109.7	101.1	99.4
27.5°	1405.7	1242.4	874.4	515.8	338.7	185.8	128.7	104.5	95.0	86.4	85.5
30°	1501.6	1328.8	883.9	494.2	289.4	152.9	110.6	92.4	82.1	77.8	76.9
32.5°	1585.4	1423.0	914.1	458.8	242.8	134.8	100.2	82.9	76.0	69.1	68.3
35°	1693.4	1477.4	928.8	439.8	225.5	121.8	91.6	76.0	65.7	61.3	59.6
37.5°	1809.2	1530.1	938.3	425.1	210.8	114.0	86.4	71.7	62.2	56.2	54.4
40°	1917.2	1604.4	924.5	406.9	199.6	104.5	82.9	66.5	57.9	51.8	49.2
42.5°	2000.1	1677.0	920.1	389.7	187.5	101.1	78.6	63.9	54.4	47.5	46.7
45°	2046.8	1726.2	889.9	375.8	178.0	102.8	76.9	60.5	51.8	45.8	42.3
47.5°	2035.6	1764.3	897.7	371.5	165.0	95.9	76.0	57.9	47.5	42.3	39.7
50°	2097.8	1841.2	884.7	357.7	155.5	86.4	82.9	57.9	46.7	40.6	38.0
52.5°	2108.1	1911.1	912.4	332.6	140.8	79.5	82.1	57.0	44.9	38.9	35.4
55°	2194.5	1992.4	965.9	318.8	128.7	69.1	75.2	55.3	40.6	35.4	33.7
57.5°	2312.0	2160.8	1000.5	305.9	112.3	60.5	63.1	54.4	37.2	32.8	30.2
60°	2425.2	2228.2	1003.1	282.5	96.8	54.4	49.2	54.4	34.6	29.4	26.8
62.5°	2509.9	2228.2	985.8	262.7	84.7	48.4	43.2	51.8	31.1	25.9	24.2
65°	2464.1	2168.6	940.9	246.2	76.9	42.3	37.2	39.7	27.6	22.5	20.7
67.5°	2382.0	1982.8	841.5	226.4	76.0	37.2	32.0	29.4	24.2	19.9	18.1
70°	2250.7	1732.3	700.7	203.9	74.3	33.7	28.5	25.1	21.6	17.3	15.6
72.5°	1813.5	1430.8	575.4	190.9	72.6	29.4	24.2	21.6	18.1	14.7	13.0
75°	1256.2	914.1	443.2	163.3	70.8	26.8	22.5	19.0	15.6	12.1	11.2
77.5°	753.4	610.8	286.0	122.7	46.7	21.6	19.0	14.7	13.0	10.4	9.5
80°	352.5	288.6	115.8	47.5	22.5	15.6	13.0	11.2	10.4	8.6	7.8
82.5°	138.2	121.8	56.2	27.6	18.1	12.1	10.4	9.5	8.6	6.9	6.0
85°	74.3	65.7	26.8	19.0	13.0	8.6	8.6	7.8	6.9	6.0	5.2
87.5°	16.4	12.1	11.2	11.2	9.5	6.9	6.9	6.0	5.2	4.3	3.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1067.9	1080.8	1060.1	1073.1	1054.9	1068.8	1070.5	1057.5	1061.0	1078.3	1086.0
5°	909.8	901.1	882.1	876.1	876.9	865.7	870.0	876.1	885.6	890.8	906.3
7.5°	655.8	675.6	674.8	689.5	690.3	688.6	676.5	650.6	659.2	652.3	660.9
10°	469.1	477.8	494.2	503.7	521.0	511.5	483.8	473.5	468.3	467.4	476.1
12.5°	375.0	354.2	352.5	356.0	364.6	353.4	339.5	327.5	333.5	345.6	355.1
15°	290.3	273.0	250.6	247.1	248.8	243.6	229.0	213.4	217.7	229.8	236.7
17.5°	222.9	203.0	187.5	177.1	173.7	155.5	133.9	121.0	117.5	116.6	122.7
20°	150.3	146.9	144.3	131.3	131.3	105.4	87.3	77.8	77.8	79.5	80.4
22.5°	112.3	108.0	108.9	106.3	99.4	78.6	69.1	66.5	66.5	68.3	68.3
25°	97.6	91.6	89.9	89.0	82.1	67.4	60.5	57.9	57.9	59.6	59.6
27.5°	82.9	81.2	78.6	75.2	69.1	57.9	53.6	51.0	51.8	52.7	51.8
30°	76.0	71.7	68.3	68.3	61.3	51.8	48.4	46.7	44.9	46.7	47.5
32.5°	67.4	64.8	63.1	60.5	52.7	45.8	42.3	40.6	39.7	39.7	40.6
35°	57.9	57.9	56.2	52.7	45.8	41.5	37.2	35.4	34.6	35.4	35.4
37.5°	51.8	49.2	50.1	46.7	40.6	36.3	32.0	30.2	30.2	29.4	30.2
40°	48.4	44.1	41.5	39.7	36.3	31.1	27.6	25.9	25.1	25.1	25.1
42.5°	43.2	39.7	34.6	33.7	32.8	26.8	22.5	21.6	20.7	19.9	19.9
45°	40.6	35.4	31.1	26.8	26.8	22.5	19.0	17.3	16.4	15.6	16.4
47.5°	37.2	32.0	26.8	22.5	21.6	18.1	14.7	13.0	12.1	12.1	12.1
50°	35.4	28.5	23.3	19.0	16.4	14.7	11.2	9.5	8.6	8.6	8.6
52.5°	32.8	26.8	20.7	16.4	13.0	11.2	8.6	6.9	6.0	6.0	6.0
55°	29.4	24.2	18.1	13.8	11.2	8.6	6.0	4.3	3.5	3.5	3.5
57.5°	27.6	21.6	15.6	12.1	8.6	6.0	3.5	2.6	2.6	1.7	2.6
60°	25.1	19.0	13.0	9.5	6.9	4.3	2.6	0.9	0.9	0.9	0.9
62.5°	21.6	16.4	11.2	7.8	5.2	2.6	0.9	0.0	0.0	0.0	0.0
65°	18.1	13.0	8.6	6.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0
67.5°	15.6	11.2	6.9	4.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	13.8	9.5	5.2	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.2	7.8	4.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	9.5	6.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	7.8	4.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1097.3	1092.1	1118.0	1160.3	1181.9	1224.3	1234.6	1261.4	1254.5	1264.0
5°	908.1	918.4	956.4	1018.6	1041.1	1102.4	1160.3	1218.2	1255.4	1273.5
7.5°	673.9	708.5	755.1	812.1	870.0	950.4	1048.9	1116.3	1152.6	1191.4
10°	502.0	539.1	592.7	648.9	743.0	832.9	931.4	1015.2	1046.3	1082.6
12.5°	394.8	452.7	514.9	575.4	631.6	717.1	838.9	960.8	994.4	1022.1
15°	274.7	345.6	434.6	513.2	591.8	666.1	792.3	940.0	985.8	1032.5
17.5°	152.1	208.2	310.2	420.8	536.5	650.6	807.8	978.0	1047.2	1080.0
20°	88.1	110.6	183.2	314.5	467.4	616.9	815.6	1049.7	1141.3	1157.7
22.5°	72.6	80.4	103.7	197.0	382.7	595.3	855.3	1150.0	1243.3	1282.2
25°	62.2	68.3	80.4	118.4	289.4	549.5	880.4	1275.2	1361.6	1404.0
27.5°	55.3	61.3	70.8	87.3	197.0	486.4	921.9	1388.4	1474.8	1532.7
30°	48.4	53.6	63.1	74.3	136.5	415.6	957.3	1471.4	1593.2	1611.3
32.5°	43.2	47.5	54.4	63.9	101.1	315.4	985.8	1556.9	1659.7	1699.5
35°	37.2	42.3	46.7	54.4	76.9	237.6	968.5	1623.4	1757.3	1804.9
37.5°	32.8	36.3	40.6	45.8	64.8	185.8	933.1	1702.9	1841.2	1885.2
40°	27.6	30.2	35.4	40.6	58.8	143.4	892.5	1798.8	1958.7	2036.4
42.5°	23.3	25.9	29.4	38.0	48.4	106.3	810.4	1873.1	2053.7	2119.4
45°	18.1	21.6	26.8	38.0	38.9	78.6	725.7	1928.4	2107.3	2140.1
47.5°	13.8	17.3	25.9	32.8	31.1	54.4	625.5	1991.5	2162.6	2192.8
50°	10.4	13.8	29.4	28.5	25.9	41.5	562.5	2035.6	2166.0	2182.4
52.5°	6.9	10.4	24.2	21.6	21.6	36.3	545.2	2033.8	2174.7	2139.2
55°	5.2	7.8	13.8	15.6	19.0	32.0	529.6	2098.6	2177.2	2202.3
57.5°	3.5	6.0	9.5	12.1	16.4	27.6	497.7	2176.4	2257.6	2270.6
60°	1.7	4.3	6.9	9.5	13.8	24.2	452.7	2233.4	2355.2	2369.1
62.5°	0.9	2.6	5.2	7.8	11.2	19.0	406.1	2142.7	2312.9	2337.1
65°	0.0	1.7	3.5	5.2	6.9	13.8	330.0	1934.5	2145.3	2234.3
67.5°	0.0	0.0	1.7	3.5	4.3	10.4	248.8	1759.9	1990.6	2111.6
70°	0.0	0.0	0.9	0.9	2.6	7.8	159.0	1457.5	1777.2	1843.7
72.5°	0.0	0.0	0.0	0.0	0.9	5.2	92.4	1082.6	1392.7	1516.3
75°	0.0	0.0	0.0	0.0	0.0	4.3	46.7	696.4	969.4	1135.3
77.5°	0.0	0.0	0.0	0.0	0.0	3.5	25.1	449.3	714.5	853.6
80°	0.0	0.0	0.0	0.0	0.0	0.9	14.7	260.9	457.0	553.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	127.9	273.0	319.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	68.3	136.5	179.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.5	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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