

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: P674326

Luminaire Tested: **CCP-SA-1B-835-U-SLR-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674326
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-835-U-SLR-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ SLR distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.1 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

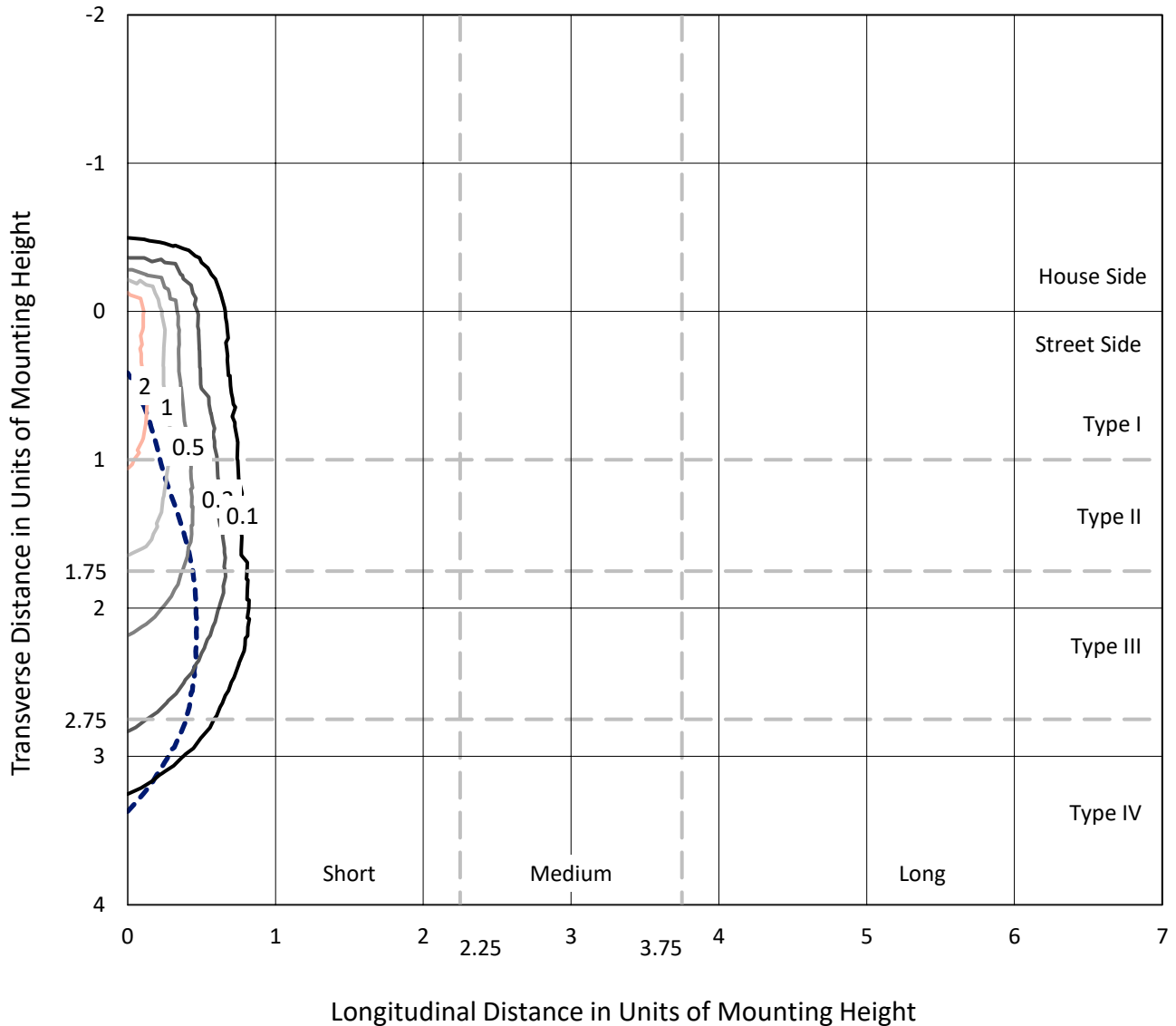
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

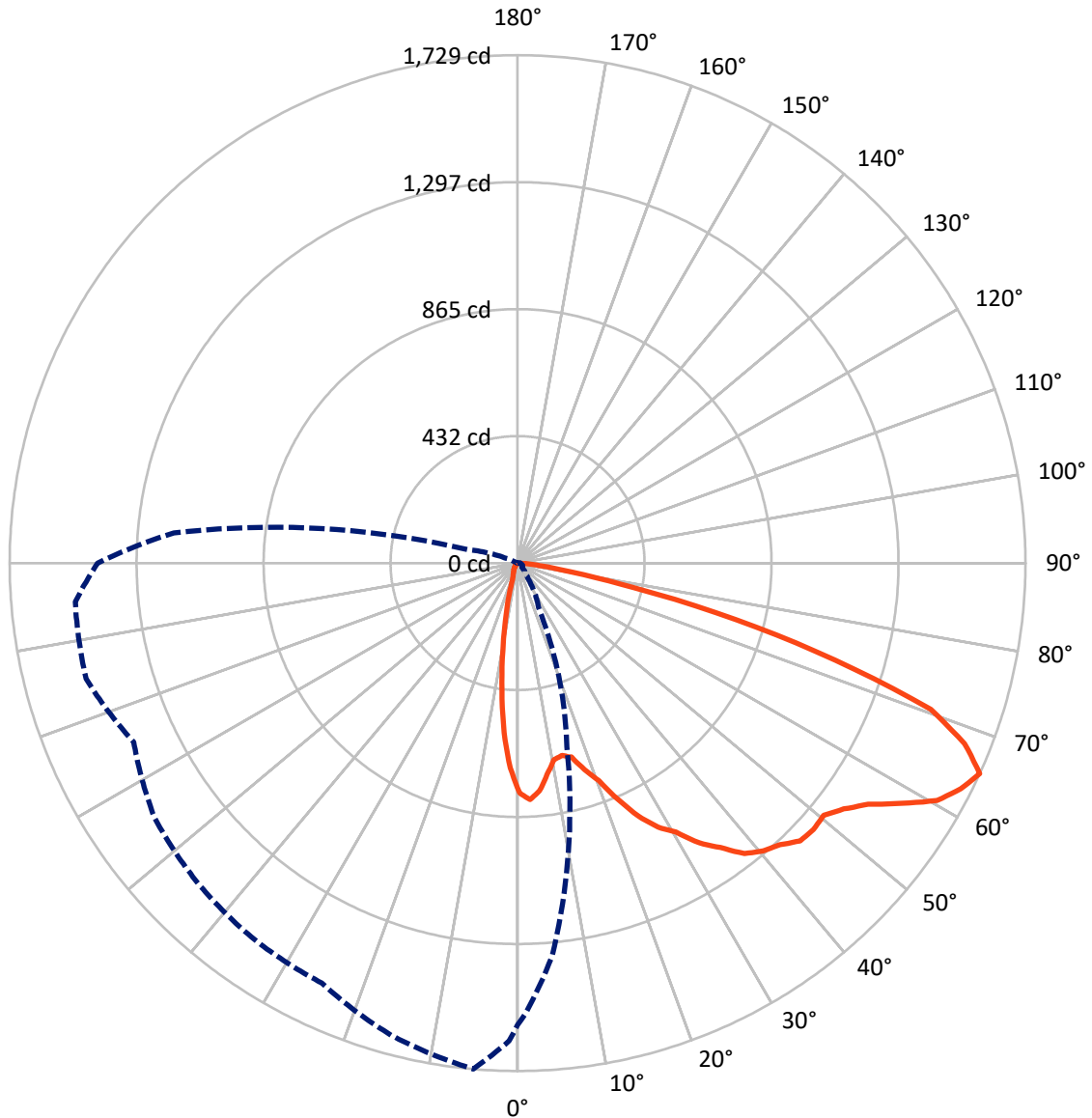
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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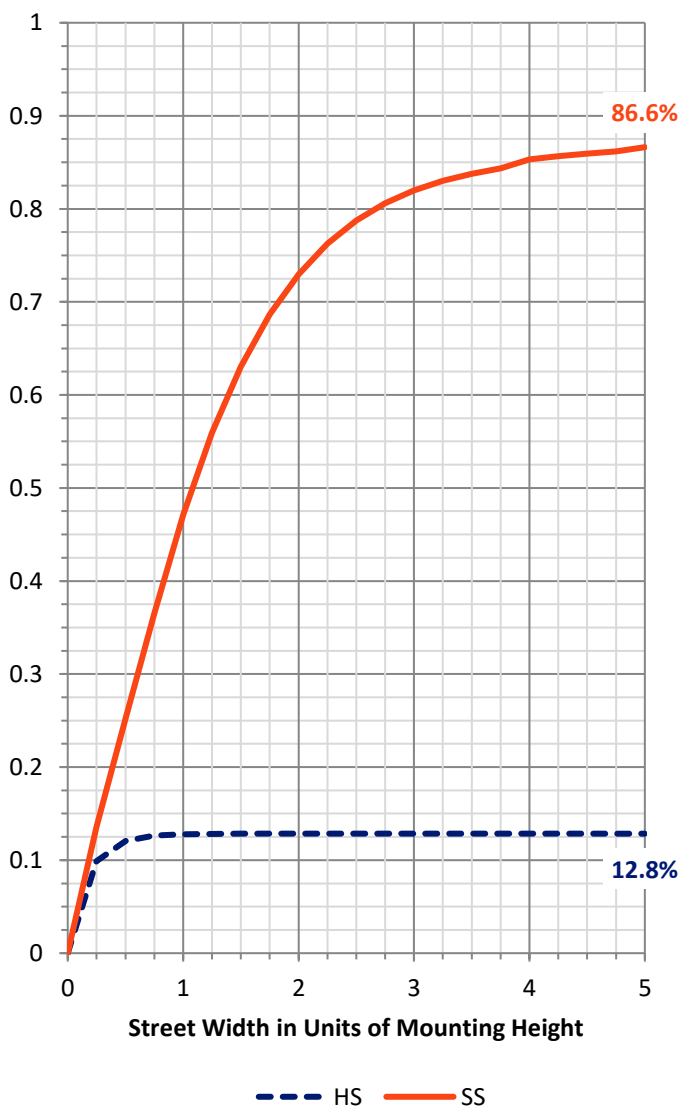
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	265.5	0.0	265.5
	% Fixture	13.0	0.0	13.0
Street Side	Lumens	1779.5	0.0	1779.5
	% Fixture	87.0	0.0	87.0
Total	Lumens	2045.1	0.0	2045.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	2.9
10°-20°	114.7	5.6
20°-30°	159.7	7.8
30°-40°	226.9	11.1
40°-50°	314.7	15.4
50°-60°	428.8	21.0
60°-70°	471.4	23.1
70°-80°	231.7	11.3
80°-90°	37.8	1.9
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°	2045.1	100.0
0°-180°	2045.1	100.0



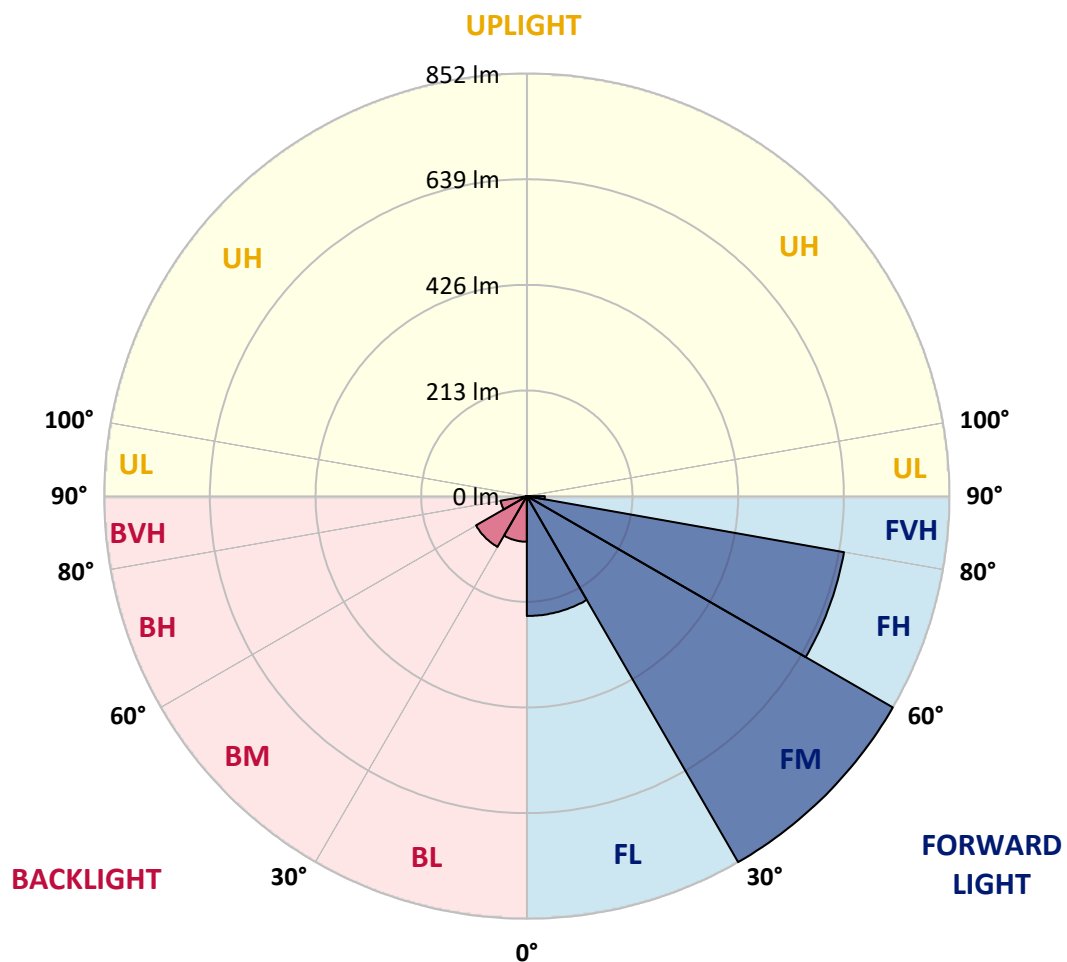
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.7	11.8			
FM (30°-60°)	852.2	41.7			
FH (60°-80°)	649.5	31.8			G0/660
FVH (80°-90°)	36.1	1.8			G1/100
BL (0°-30°)	91.9	4.5	B0/110		
BM (30°-60°)	118.2	5.8	B0/220		
BH (60°-80°)	53.7	2.6	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	797.8	807.2	798.4	767.5	762.0	747.1	724.5	722.8	699.1	701.9	689.2
5°	749.8	759.2	740.5	699.7	661.6	631.3	613.1	580.6	573.4	557.4	557.4
7.5°	700.8	700.2	668.2	634.1	577.3	521.6	496.2	449.4	421.8	406.9	392.6
10°	660.0	651.2	631.3	560.7	499.0	441.1	409.7	378.8	350.1	325.3	300.5
12.5°	631.3	636.8	605.4	528.8	448.8	408.6	374.9	342.4	308.2	280.1	252.5
15°	646.2	637.4	600.4	521.6	440.5	385.4	340.7	301.0	263.0	226.1	205.1
17.5°	692.5	669.9	626.3	521.6	423.4	350.1	296.1	249.2	208.4	175.3	149.4
20°	754.8	728.9	682.0	540.9	410.8	324.2	250.3	191.3	148.9	118.0	98.1
22.5°	818.8	798.4	727.8	548.6	395.9	289.5	197.4	138.4	99.2	79.4	69.5
25°	895.4	866.7	789.5	579.5	373.8	255.8	155.5	96.5	73.9	63.4	57.3
27.5°	956.6	951.6	847.4	598.2	357.3	228.3	123.0	76.6	61.2	53.5	49.6
30°	1033.8	1006.8	918.0	635.7	338.5	196.8	102.6	68.9	56.2	48.0	45.2
32.5°	1080.1	1067.4	955.0	656.7	317.6	170.9	88.2	60.6	51.3	45.2	42.5
35°	1147.4	1122.0	1007.9	669.9	306.6	156.0	79.4	55.1	43.0	36.9	33.6
37.5°	1222.4	1213.0	1071.3	669.3	290.6	147.2	73.3	51.3	40.8	34.2	30.3
40°	1299.0	1261.0	1109.9	684.8	282.3	140.6	68.9	49.1	38.6	32.5	27.6
42.5°	1356.3	1312.8	1154.5	679.3	272.4	129.0	67.3	45.8	36.9	29.8	25.4
45°	1371.8	1356.3	1194.8	677.6	265.2	119.6	64.5	45.2	35.8	28.1	23.7
47.5°	1401.6	1391.1	1244.4	680.4	259.7	112.5	57.9	46.3	34.2	26.5	22.6
50°	1414.8	1396.0	1284.7	687.0	247.0	103.7	51.8	48.5	33.6	25.9	21.5
52.5°	1469.4	1452.8	1339.8	705.7	236.5	92.1	45.8	46.3	34.7	24.3	20.4
55°	1522.8	1504.1	1424.7	748.7	221.6	82.7	39.1	40.8	33.1	22.1	18.2
57.5°	1596.2	1565.3	1481.5	766.4	208.4	70.0	34.7	33.6	30.9	19.8	16.0
60°	1607.2	1619.9	1473.2	755.4	194.6	61.8	30.3	25.9	33.1	17.6	13.8
62.5°	1644.1	1591.2	1434.6	730.0	184.7	56.8	27.0	21.5	28.7	15.4	11.6
65°	1573.0	1533.9	1344.2	648.4	172.0	57.3	23.7	17.6	18.2	12.7	9.4
67.5°	1468.8	1437.9	1194.2	559.6	159.3	56.2	21.0	15.4	13.8	11.0	8.3
70°	1289.1	1222.4	1014.5	454.3	140.6	52.4	17.6	13.8	11.6	8.8	6.1
72.5°	937.9	910.8	727.8	351.2	126.3	47.4	16.5	11.6	9.9	6.6	5.0
75°	631.3	586.6	459.3	230.5	101.4	41.4	13.8	10.5	7.7	5.0	3.9
77.5°	333.6	315.4	260.2	109.7	56.2	19.3	7.7	6.1	4.4	3.9	2.2
80°	144.5	128.5	112.5	44.7	19.8	8.8	5.0	3.3	2.8	2.2	1.1
82.5°	73.9	70.6	58.4	19.3	11.6	6.6	2.8	2.2	1.7	1.1	0.6
85°	36.4	37.5	30.9	6.1	6.6	3.9	0.6	0.6	0.0	0.0	0.0
87.5°	2.8	2.8	2.2	1.1	1.7	0.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	684.2	692.0	678.7	687.0	683.1	684.8	686.4	682.0	683.1	698.6	699.1
5°	548.0	562.9	557.4	565.1	578.4	571.8	577.8	576.7	577.8	580.0	590.0
7.5°	390.9	386.5	397.0	417.4	441.1	455.4	448.3	444.4	442.2	436.7	443.3
10°	295.0	292.8	290.0	296.1	311.5	327.5	336.3	321.4	313.2	302.7	298.8
12.5°	244.8	231.0	223.3	213.9	218.3	232.7	233.2	218.9	205.7	200.1	206.2
15°	193.0	183.6	169.8	156.6	150.0	161.0	151.6	137.8	120.7	118.5	118.0
17.5°	137.8	132.3	122.4	116.9	109.2	106.4	96.5	75.5	63.4	60.1	61.2
20°	93.7	89.3	88.8	83.8	80.5	78.3	62.3	48.5	44.7	45.2	45.8
22.5°	69.5	67.3	64.5	64.0	61.2	58.4	45.8	40.8	38.0	38.0	39.7
25°	56.8	55.7	52.9	51.8	50.7	46.9	38.6	34.7	33.6	32.5	34.2
27.5°	48.5	48.0	46.3	44.7	43.6	39.7	33.6	30.3	29.2	29.2	29.2
30°	43.6	43.6	41.4	38.0	38.0	33.6	28.7	26.5	25.4	25.4	24.8
32.5°	40.8	39.7	36.9	34.7	33.1	28.7	25.4	23.2	21.5	21.5	22.1
35°	33.1	33.1	32.5	30.9	28.7	24.3	21.5	19.3	18.2	17.6	18.2
37.5°	29.2	27.6	25.4	25.9	24.8	21.0	18.2	16.5	14.9	14.9	14.9
40°	26.5	24.8	22.6	21.0	20.4	18.7	16.0	13.2	11.6	11.0	11.0
42.5°	23.7	22.6	19.3	16.5	16.0	16.0	12.1	9.9	8.3	8.3	8.3
45°	22.1	20.4	17.6	14.3	11.6	12.1	9.9	7.2	6.1	5.5	5.5
47.5°	21.0	19.3	15.4	12.1	8.8	8.8	7.2	5.0	3.9	3.3	3.3
50°	19.3	17.6	13.8	9.9	6.6	5.5	4.4	2.8	1.7	1.1	1.1
52.5°	18.2	16.5	12.1	8.3	5.5	3.9	2.8	0.6	0.0	0.0	0.0
55°	16.5	14.3	10.5	6.6	4.4	2.2	0.6	0.0	0.0	0.0	0.0
57.5°	14.3	12.7	8.3	5.0	2.8	0.6	0.0	0.0	0.0	0.0	0.0
60°	12.1	10.5	6.6	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	9.9	8.8	5.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.3	6.6	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7.2	5.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5.5	3.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3.9	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	701.3	717.9	733.3	737.7	749.8	783.5	783.5	799.5	828.1	838.6	840.8
5°	591.6	609.3	612.6	646.7	662.7	696.9	719.5	773.6	806.1	826.5	839.2
7.5°	449.9	456.0	468.7	500.6	532.1	573.4	616.4	685.3	742.7	765.8	808.8
10°	309.3	327.5	355.1	383.7	432.8	478.6	534.3	599.3	669.9	698.6	735.5
12.5°	208.4	233.8	277.9	318.7	363.9	410.2	463.1	550.3	630.2	669.9	706.8
15°	121.9	152.7	190.8	256.9	317.0	368.9	421.8	510.0	607.0	658.3	703.5
17.5°	61.8	71.1	102.6	159.9	239.3	324.2	403.0	515.5	624.7	687.5	725.0
20°	46.3	49.1	57.9	84.9	163.8	268.0	385.4	523.8	673.8	750.4	770.8
22.5°	40.2	42.5	46.3	55.1	92.1	205.1	360.6	544.2	740.5	812.7	855.7
25°	34.2	36.4	39.7	45.2	59.0	139.5	330.3	565.7	800.0	891.0	931.2
27.5°	29.8	31.4	34.7	39.1	48.0	88.8	277.9	594.4	891.0	985.8	996.3
30°	25.4	27.0	29.8	34.7	40.8	62.9	204.0	598.2	941.2	1027.2	1056.4
32.5°	22.1	22.6	25.9	30.3	34.2	49.6	143.4	602.1	978.1	1080.7	1086.7
35°	18.2	19.3	22.6	25.4	29.8	39.1	108.6	582.8	1026.1	1135.8	1134.1
37.5°	14.9	16.5	18.7	21.0	24.3	33.1	86.6	546.9	1086.2	1221.3	1169.4
40°	11.6	13.2	15.4	18.2	20.4	29.8	65.1	492.9	1149.0	1263.2	1208.0
42.5°	8.3	9.4	11.6	14.3	18.2	24.8	46.9	429.0	1173.8	1312.2	1254.3
45°	6.1	7.2	8.8	12.1	18.7	19.8	32.5	370.5	1200.3	1333.7	1243.9
47.5°	3.3	4.4	6.6	10.5	16.5	14.9	23.2	318.1	1230.6	1353.0	1252.1
50°	1.1	1.7	3.9	11.0	13.2	11.6	18.2	290.0	1260.4	1356.9	1268.7
52.5°	0.0	0.0	2.2	11.6	9.9	8.8	16.0	279.0	1252.7	1369.0	1258.2
55°	0.0	0.0	0.6	5.0	5.5	6.6	13.2	278.4	1307.3	1372.9	1315.5
57.5°	0.0	0.0	0.0	1.7	3.3	5.5	11.6	260.8	1342.0	1468.8	1392.7
60°	0.0	0.0	0.0	0.6	2.2	3.9	8.8	245.4	1377.3	1511.8	1475.4
62.5°	0.0	0.0	0.0	0.0	0.6	1.7	6.1	221.6	1306.2	1508.5	1555.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	175.3	1174.9	1429.7	1511.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	121.3	1028.8	1330.4	1430.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.3	830.3	1166.7	1213.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	592.7	926.3	995.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	366.7	677.1	762.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	237.6	512.8	578.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	126.8	321.4	373.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.1	195.2	225.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	118.5	135.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	24.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	841.9	857.9	864.0	854.6	855.7	836.4	833.7	806.6	795.6	797.8
5°	880.5	903.7	916.4	905.9	882.2	845.2	811.6	779.6	759.8	749.8
7.5°	871.7	897.6	913.6	923.5	896.5	837.0	785.7	725.6	700.2	700.8
10°	823.2	877.2	909.7	897.1	884.4	824.8	745.4	680.4	657.8	660.0
12.5°	784.0	844.1	863.4	873.4	847.4	800.0	746.5	672.1	646.7	631.3
15°	759.8	804.4	805.5	821.0	810.5	810.5	758.1	685.3	663.3	646.2
17.5°	759.8	769.7	768.6	774.1	791.7	812.7	787.3	738.8	695.3	692.5
20°	776.9	746.0	738.8	741.0	755.9	818.2	851.8	791.2	763.6	754.8
22.5°	816.6	748.7	705.2	697.5	743.2	817.7	893.2	873.9	825.9	818.8
25°	871.1	743.8	696.4	686.4	721.2	837.5	950.0	953.8	910.3	895.4
27.5°	923.0	765.8	695.3	693.1	738.8	833.1	989.1	1017.8	968.7	956.6
30°	940.6	787.9	715.7	686.4	745.4	849.1	988.0	1063.0	1031.0	1033.8
32.5°	961.6	809.9	717.9	706.3	773.6	875.0	1019.5	1135.8	1112.6	1080.1
35°	992.4	839.7	738.8	728.3	793.4	898.2	1026.1	1189.3	1185.4	1147.4
37.5°	1018.9	868.9	782.4	784.0	854.1	935.7	1055.3	1254.9	1248.3	1222.4
40°	1037.7	909.7	850.2	854.6	907.0	977.6	1107.1	1288.0	1337.0	1299.0
42.5°	1040.4	946.1	927.9	963.2	1012.3	1042.6	1128.1	1310.6	1381.2	1356.3
45°	1050.9	1004.0	1054.7	1080.7	1120.9	1100.0	1127.0	1349.2	1384.5	1371.8
47.5°	1091.7	1109.3	1173.3	1252.1	1266.5	1197.5	1153.4	1355.2	1403.2	1401.6
50°	1134.1	1222.4	1312.2	1364.6	1382.8	1264.8	1178.3	1350.3	1428.0	1414.8
52.5°	1181.6	1320.5	1450.1	1514.6	1504.7	1339.2	1206.4	1390.5	1473.8	1469.4
55°	1211.3	1364.6	1538.8	1628.7	1621.0	1422.5	1295.7	1448.4	1533.9	1522.8
57.5°	1290.2	1436.3	1627.1	1669.0	1689.4	1531.7	1358.0	1543.2	1584.1	1596.2
60°	1355.2	1483.2	1650.2	1710.9	1718.0	1596.7	1467.2	1640.8	1648.0	1607.2
62.5°	1450.6	1501.3	1601.1	1655.7	1692.7	1633.7	1565.3	1693.2	1646.9	1644.1
65°	1520.6	1441.8	1509.6	1539.9	1563.6	1577.4	1664.0	1729.1	1626.5	1573.0
67.5°	1481.5	1329.3	1316.6	1318.3	1325.5	1408.7	1630.9	1641.4	1512.9	1468.8
70°	1304.0	1090.6	1073.5	1086.7	1050.9	1151.2	1496.9	1492.0	1334.8	1289.1
72.5°	1054.7	795.1	765.8	784.0	792.3	898.7	1259.3	1131.4	973.7	937.9
75°	838.1	582.8	491.8	535.9	564.0	654.5	983.6	768.6	679.8	631.3
77.5°	658.3	441.1	382.6	365.0	390.9	475.8	715.7	403.6	356.2	333.6
80°	417.4	324.2	351.8	326.4	337.4	339.6	372.7	183.6	146.1	144.5
82.5°	251.4	221.6	263.5	145.0	264.1	236.0	154.9	83.3	73.9	73.9
85°	178.1	137.3	91.0	59.0	117.4	129.6	60.1	43.0	37.5	36.4
87.5°	89.3	42.5	20.4	13.2	14.9	24.3	7.2	3.3	3.3	2.8
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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