

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: P676287

Luminaire Tested: **CCW-SA-1C-750-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676287
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-750-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3570.5 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

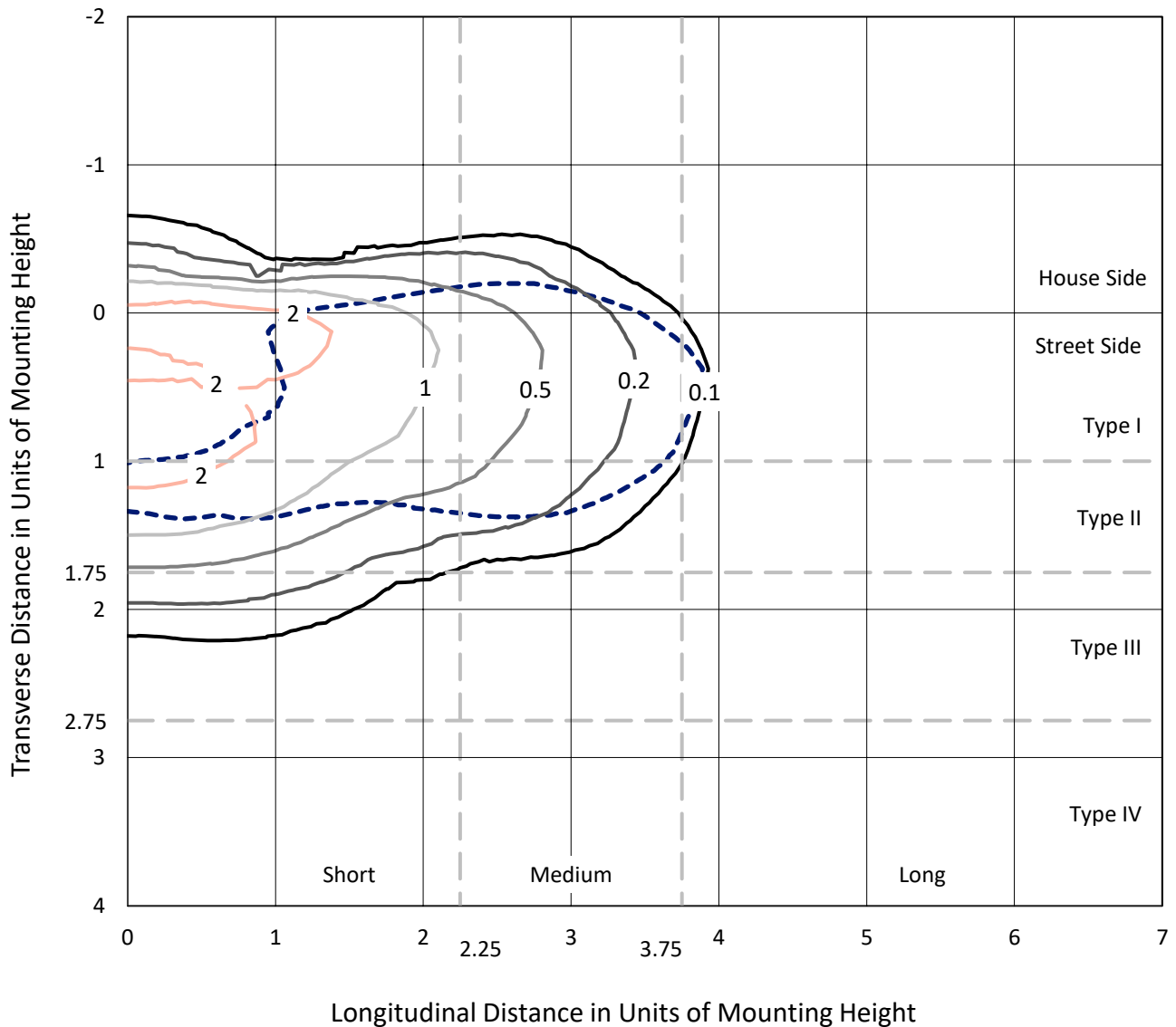
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

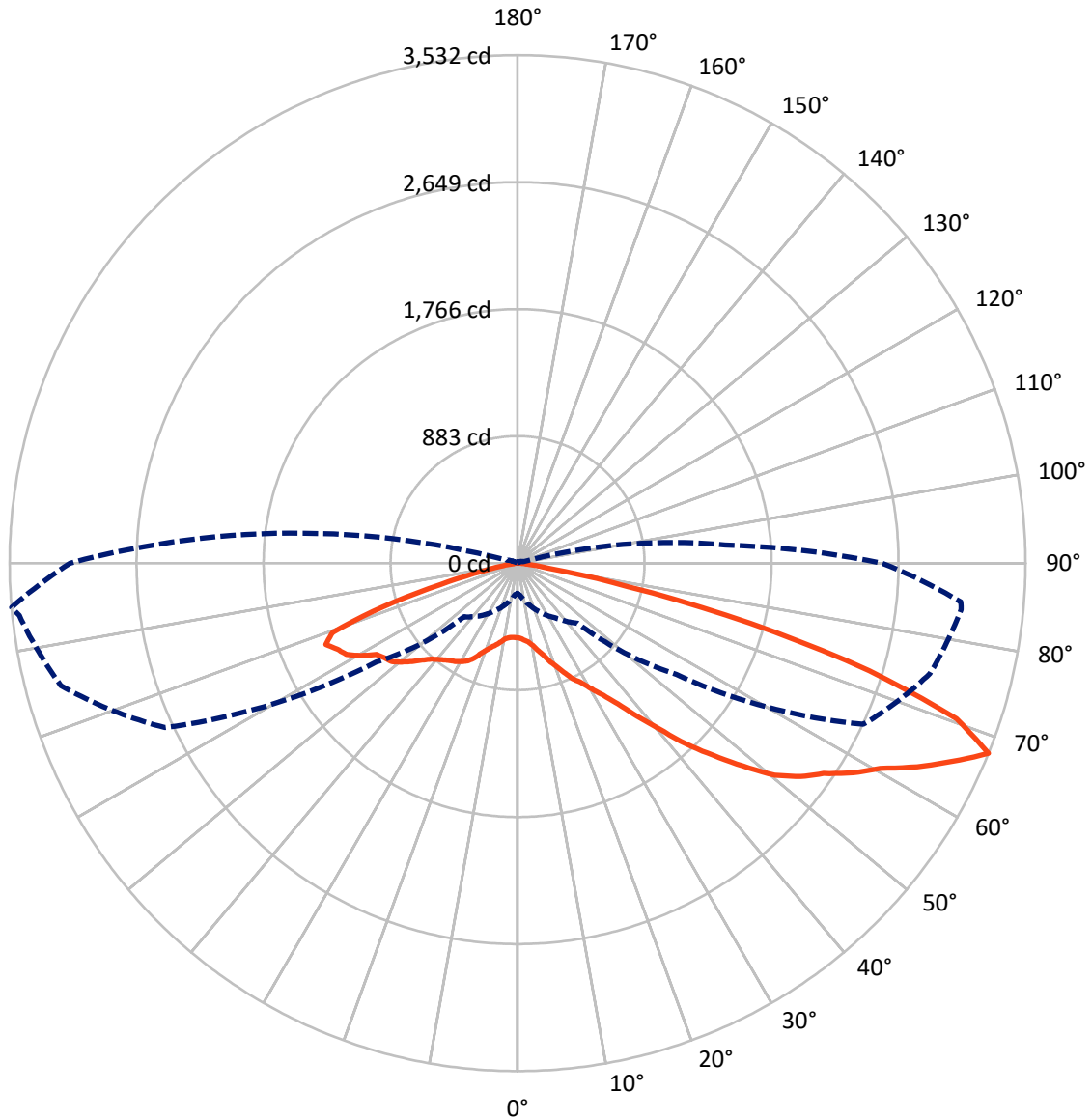
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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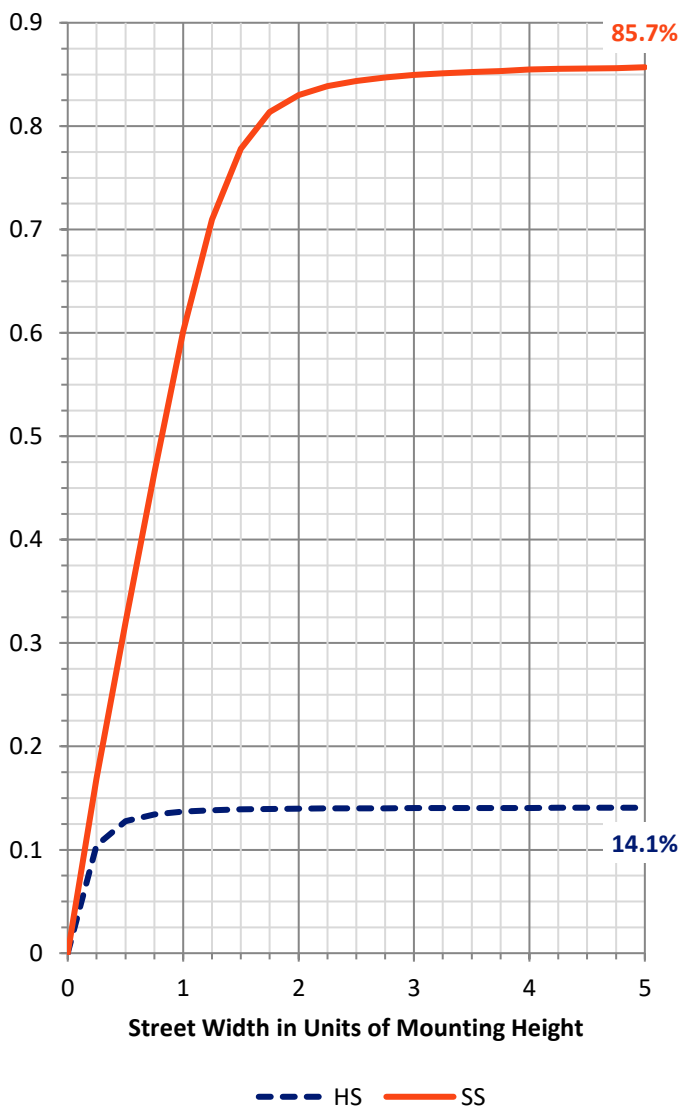
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.2	0.0	507.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	3063.3	0.0	3063.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	3570.5	0.0	3570.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.3
10°-20°	127.3	3.6
20°-30°	211.4	5.9
30°-40°	363.7	10.2
40°-50°	653.7	18.3
50°-60°	930.5	26.1
60°-70°	848.4	23.8
70°-80°	361.2	10.1
80°-90°	26.9	0.8
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°	3570.5	100.0
0°-180°	3570.5	100.0



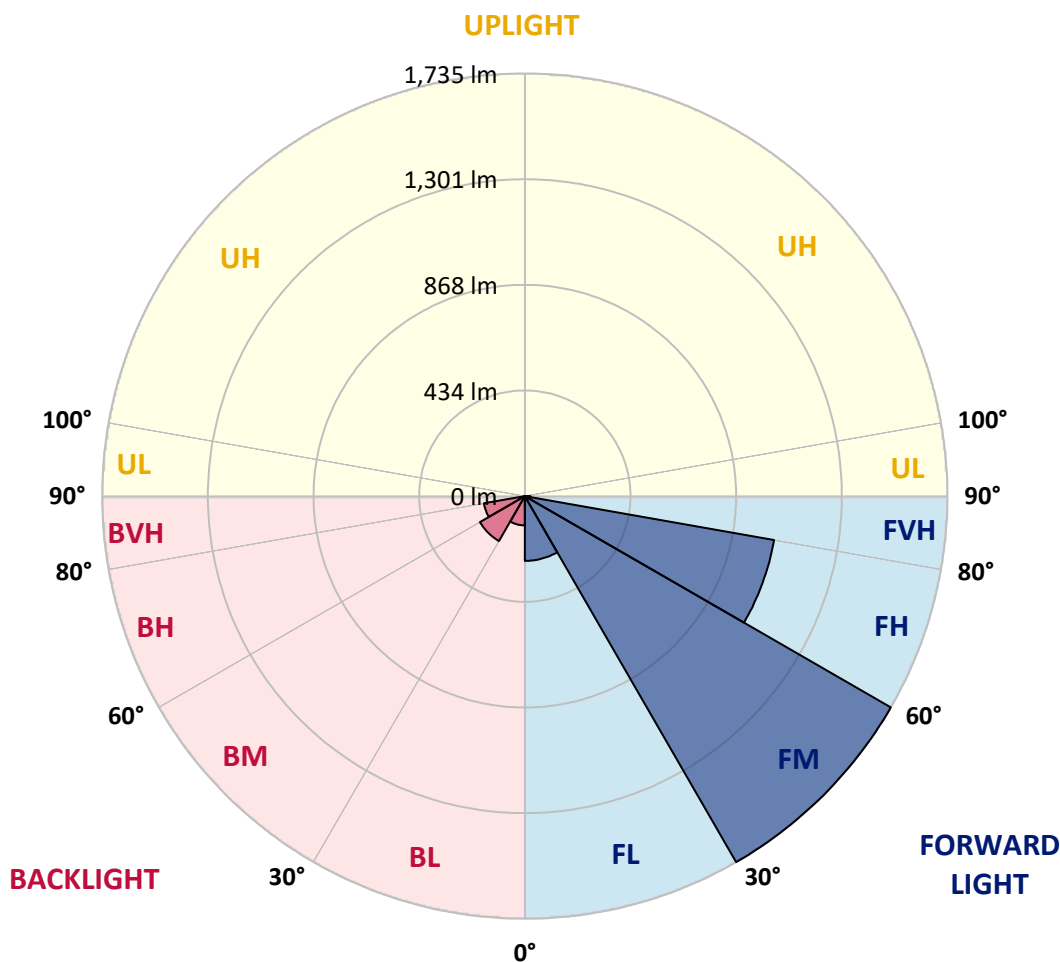
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.0	7.4			
FM (30°-60°)	1735.3	48.6			
FH (60°-80°)	1039.2	29.1			G1/1800
FVH (80°-90°)	22.8	0.6			G1/100
BL (0°-30°)	120.1	3.4	B1/500		
BM (30°-60°)	212.7	6.0	B0/220		
BH (60°-80°)	170.4	4.8	B1/500		G1/500
BVH (80°-90°)	4.1	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2
2.5°	537.9	543.0	543.0	541.3	536.2	532.8	531.1	527.7	524.3	524.3	526.0
5°	543.0	537.9	544.7	536.2	536.2	536.2	543.0	539.6	537.9	529.4	529.4
7.5°	543.0	537.9	537.9	543.0	537.9	541.3	549.8	546.4	553.3	537.9	541.3
10°	527.7	526.0	529.4	536.2	537.9	544.7	553.3	570.3	572.0	561.8	560.1
12.5°	497.1	495.4	507.3	510.7	531.1	548.1	573.7	587.3	602.6	597.5	587.3
15°	474.9	478.4	486.9	500.5	519.2	549.8	578.8	609.4	636.7	629.9	626.5
17.5°	483.5	481.8	483.5	492.0	515.8	546.4	595.8	631.6	670.7	670.7	674.1
20°	509.0	514.1	512.4	507.3	519.2	544.7	595.8	658.8	723.5	718.4	718.4
22.5°	553.3	555.0	544.7	541.3	539.6	555.0	606.0	692.8	767.7	778.0	774.6
25°	599.2	600.9	597.5	587.3	573.7	577.1	624.7	720.1	829.0	846.1	842.6
27.5°	675.8	674.1	665.6	653.7	633.3	617.9	653.7	740.5	876.7	905.6	897.1
30°	752.4	747.3	735.4	720.1	701.4	672.4	689.4	779.7	936.3	963.5	944.8
32.5°	846.1	835.8	839.2	815.4	776.3	730.3	726.9	815.4	983.9	1023.1	1007.8
35°	965.2	953.3	936.3	914.1	876.7	815.4	796.7	873.3	1063.9	1092.9	1092.9
37.5°	1121.8	1133.7	1113.3	1021.4	980.5	922.7	883.5	932.9	1133.7	1203.5	1186.5
40°	1281.8	1292.1	1254.6	1186.5	1098.0	1026.5	1002.7	1029.9	1239.3	1322.7	1290.4
42.5°	1411.2	1424.8	1411.2	1322.7	1252.9	1161.0	1118.4	1144.0	1375.5	1475.9	1433.3
45°	1547.4	1561.0	1545.7	1487.8	1419.7	1367.0	1259.7	1292.1	1518.5	1668.3	1620.6
47.5°	1649.5	1666.6	1639.3	1627.4	1572.9	1564.4	1382.3	1418.0	1668.3	1862.3	1802.8
50°	1673.4	1692.1	1715.9	1729.6	1710.8	1731.3	1547.4	1578.0	1824.9	2041.1	1983.2
52.5°	1617.2	1635.9	1688.7	1751.7	1838.5	1899.8	1714.2	1739.8	1988.3	2189.2	2158.5
55°	1452.1	1469.1	1576.3	1661.5	1869.1	1969.6	1874.2	1981.5	2105.8	2344.1	2269.2
57.5°	1174.6	1195.0	1336.3	1467.4	1767.0	1930.4	1969.6	2182.4	2299.8	2458.1	2371.3
60°	834.1	846.1	968.6	1200.1	1484.4	1734.7	1950.9	2332.2	2453.0	2611.4	2565.4
62.5°	480.1	490.3	617.9	835.8	1120.1	1448.7	1867.4	2473.5	2618.2	2779.9	2754.3
65°	318.3	321.7	408.6	527.7	728.6	1067.4	1656.4	2599.4	2781.6	2914.4	2885.4
67.5°	209.4	228.1	296.2	377.9	466.4	590.7	1349.9	2652.2	2968.8	3101.6	3094.8
70°	149.8	156.6	212.8	291.1	350.7	332.0	789.9	2279.4	2960.3	3152.7	3096.5
72.5°	88.5	95.3	141.3	217.9	275.8	211.1	369.4	1612.1	2453.0	2516.0	2500.7
75°	64.7	64.7	86.8	156.6	200.9	151.5	173.6	1019.7	1629.1	1768.7	1767.0
77.5°	46.0	47.7	59.6	93.6	154.9	110.7	95.3	566.9	890.3	973.7	927.8
80°	27.2	28.9	40.9	56.2	112.4	80.0	63.0	258.8	342.2	345.6	328.5
82.5°	20.4	20.4	27.2	39.2	78.3	54.5	39.2	98.7	110.7	100.4	85.1
85°	11.9	10.2	20.4	28.9	46.0	30.6	27.2	46.0	51.1	37.5	34.0
87.5°	3.4	3.4	8.5	10.2	20.4	17.0	11.9	17.0	23.8	13.6	10.2
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°	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2
2.5°	522.6	517.5	509.0	505.6	493.7	488.6	485.2	476.6	478.4	473.2	473.2
5°	517.5	517.5	500.5	481.8	463.0	451.1	437.5	420.5	420.5	413.7	415.4
7.5°	536.2	522.6	500.5	466.4	435.8	408.6	396.6	379.6	369.4	364.3	364.3
10°	548.1	534.5	497.1	456.2	417.1	383.0	357.5	333.7	320.0	320.0	318.3
12.5°	580.5	560.1	510.7	454.5	396.6	345.6	306.4	279.2	260.5	246.8	250.2
15°	607.7	585.6	517.5	440.9	360.9	289.4	241.7	190.7	165.1	151.5	146.4
17.5°	650.3	609.4	532.8	417.1	306.4	226.4	156.6	114.1	103.8	102.1	102.1
20°	686.0	638.4	534.5	371.1	251.9	144.7	100.4	93.6	88.5	86.8	85.1
22.5°	735.4	675.8	527.7	318.3	180.4	97.0	85.1	78.3	74.9	69.8	69.8
25°	786.5	725.2	514.1	269.0	110.7	83.4	74.9	68.1	61.3	57.9	59.6
27.5°	840.9	762.6	474.9	209.4	85.1	73.2	61.3	56.2	52.8	51.1	51.1
30°	885.2	786.5	417.1	139.6	76.6	64.7	54.5	49.4	46.0	44.3	44.3
32.5°	917.5	806.9	352.4	93.6	69.8	57.9	49.4	44.3	40.9	39.2	39.2
35°	972.0	822.2	292.8	80.0	63.0	51.1	42.6	39.2	35.7	35.7	35.7
37.5°	1055.4	842.6	233.2	73.2	57.9	46.0	40.9	35.7	34.0	32.3	32.3
40°	1128.6	868.2	166.8	66.4	52.8	42.6	35.7	32.3	30.6	28.9	28.9
42.5°	1234.2	897.1	108.9	59.6	47.7	39.2	32.3	28.9	27.2	25.5	25.5
45°	1368.7	944.8	85.1	52.8	42.6	35.7	30.6	27.2	23.8	23.8	22.1
47.5°	1511.7	1002.7	76.6	49.4	39.2	32.3	27.2	23.8	22.1	20.4	20.4
50°	1644.4	1058.8	71.5	46.0	35.7	30.6	25.5	22.1	18.7	17.0	17.0
52.5°	1763.6	1111.6	68.1	42.6	34.0	27.2	22.1	18.7	17.0	15.3	15.3
55°	1826.6	1135.4	66.4	40.9	30.6	25.5	20.4	17.0	15.3	13.6	13.6
57.5°	1925.3	1166.1	64.7	39.2	28.9	22.1	18.7	15.3	13.6	11.9	11.9
60°	2085.3	1266.5	63.0	37.5	27.2	22.1	17.0	13.6	10.2	8.5	8.5
62.5°	2218.1	1349.9	56.2	32.3	23.8	18.7	13.6	10.2	6.8	5.1	5.1
65°	2369.6	1389.1	49.4	28.9	20.4	15.3	10.2	6.8	5.1	1.7	1.7
67.5°	2534.7	1448.7	40.9	25.5	18.7	11.9	8.5	5.1	1.7	0.0	0.0
70°	2447.9	1373.8	34.0	22.1	17.0	10.2	6.8	3.4	0.0	0.0	0.0
72.5°	1918.5	983.9	27.2	20.4	15.3	10.2	6.8	1.7	0.0	0.0	0.0
75°	1281.8	556.7	23.8	17.0	11.9	8.5	5.1	1.7	0.0	0.0	0.0
77.5°	696.2	250.2	20.4	15.3	10.2	6.8	5.1	1.7	0.0	0.0	0.0
80°	226.4	98.7	17.0	13.6	10.2	6.8	5.1	1.7	0.0	0.0	0.0
82.5°	61.3	30.6	17.0	13.6	10.2	6.8	5.1	1.7	0.0	0.0	0.0
85°	25.5	20.4	17.0	13.6	10.2	6.8	5.1	1.7	0.0	0.0	0.0
87.5°	10.2	6.8	6.8	8.5	6.8	5.1	3.4	1.7	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°	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2
2.5°	474.9	478.4	480.1	480.1	488.6	497.1	507.3	515.8	515.8	520.9	526.0
5°	417.1	420.5	425.6	440.9	457.9	476.6	495.4	509.0	527.7	536.2	541.3
7.5°	369.4	372.8	386.4	401.7	425.6	457.9	490.3	520.9	539.6	548.1	555.0
10°	320.0	325.1	340.5	367.7	398.3	437.5	474.9	527.7	558.4	575.4	582.2
12.5°	248.5	262.2	282.6	311.5	350.7	410.3	480.1	534.5	587.3	607.7	621.3
15°	156.6	168.5	200.9	246.8	299.6	369.4	466.4	544.7	617.9	638.4	660.5
17.5°	100.4	102.1	112.4	161.7	229.8	318.3	446.0	560.1	652.0	680.9	715.0
20°	85.1	88.5	90.2	97.0	153.2	262.2	403.4	578.8	692.8	732.0	764.3
22.5°	71.5	73.2	76.6	81.7	91.9	190.7	345.6	578.8	728.6	786.5	823.9
25°	57.9	61.3	64.7	69.8	80.0	119.2	286.0	568.6	771.1	842.6	890.3
27.5°	51.1	51.1	54.5	59.6	68.1	83.4	226.4	537.9	803.5	876.7	939.7
30°	44.3	46.0	47.7	52.8	61.3	73.2	156.6	488.6	837.5	943.1	1014.6
32.5°	39.2	39.2	42.6	46.0	54.5	66.4	100.4	413.7	881.8	994.2	1094.6
35°	35.7	35.7	37.5	40.9	49.4	59.6	78.3	350.7	934.6	1091.2	1201.8
37.5°	32.3	32.3	34.0	37.5	44.3	52.8	71.5	301.3	989.0	1188.2	1349.9
40°	28.9	28.9	30.6	34.0	39.2	47.7	64.7	243.4	1057.1	1331.2	1511.7
42.5°	25.5	25.5	27.2	30.6	35.7	42.6	56.2	182.1	1147.4	1486.1	1721.0
45°	22.1	22.1	23.8	27.2	30.6	39.2	51.1	139.6	1246.1	1658.1	1904.9
47.5°	18.7	20.4	22.1	25.5	28.9	35.7	46.0	122.6	1343.1	1840.2	2109.2
50°	17.0	17.0	18.7	22.1	27.2	32.3	42.6	120.9	1441.9	1979.8	2318.6
52.5°	15.3	15.3	17.0	20.4	25.5	30.6	40.9	124.3	1523.6	2109.2	2465.0
55°	13.6	13.6	15.3	17.0	22.1	28.9	37.5	127.7	1581.5	2240.2	2582.4
57.5°	11.9	11.9	13.6	17.0	20.4	25.5	34.0	131.1	1675.1	2369.6	2752.6
60°	8.5	8.5	11.9	15.3	18.7	22.1	32.3	134.5	1824.9	2548.4	2897.3
62.5°	5.1	5.1	6.8	11.9	15.3	20.4	28.9	127.7	1964.5	2778.2	3118.6
65°	1.7	3.4	5.1	6.8	11.9	17.0	23.8	115.8	2081.9	3008.0	3322.9
67.5°	0.0	0.0	1.7	5.1	10.2	13.6	20.4	85.1	2100.7	3111.8	3532.3
70°	0.0	0.0	1.7	5.1	8.5	13.6	18.7	47.7	1789.1	2779.9	3237.8
72.5°	0.0	0.0	0.0	3.4	8.5	11.9	17.0	35.7	1319.3	2095.6	2558.6
75°	0.0	0.0	0.0	1.7	6.8	10.2	15.3	27.2	801.8	1397.6	1670.0
77.5°	0.0	0.0	0.0	1.7	5.1	10.2	15.3	23.8	282.6	665.6	784.8
80°	0.0	0.0	0.0	3.4	6.8	10.2	13.6	20.4	68.1	166.8	224.7
82.5°	0.0	0.0	0.0	1.7	5.1	8.5	11.9	17.0	27.2	49.4	78.3
85°	0.0	0.0	0.0	1.7	3.4	8.5	11.9	15.3	18.7	23.8	34.0
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	5.1	6.8	6.8	6.8	11.9
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2
2.5°	524.3	531.1	534.5	541.3	544.7	543.0	541.3	546.4	543.0	537.9
5°	543.0	543.0	548.1	549.8	549.8	544.7	548.1	546.4	543.0	543.0
7.5°	563.5	572.0	572.0	561.8	560.1	556.7	556.7	543.0	537.9	543.0
10°	583.9	590.7	592.4	580.5	565.2	558.4	549.8	532.8	524.3	527.7
12.5°	626.5	626.5	607.7	594.1	573.7	549.8	529.4	505.6	493.7	497.1
15°	657.1	663.9	638.4	607.7	572.0	527.7	505.6	486.9	480.1	474.9
17.5°	716.7	703.1	662.2	617.9	566.9	520.9	505.6	488.6	483.5	483.5
20°	767.7	760.9	699.7	619.6	565.2	534.5	524.3	515.8	514.1	509.0
22.5°	837.5	806.9	728.6	638.4	583.9	556.7	553.3	561.8	556.7	553.3
25°	890.3	864.8	750.7	665.6	612.8	604.3	609.4	617.9	604.3	599.2
27.5°	961.8	914.1	793.3	701.4	652.0	660.5	677.5	679.2	670.7	675.8
30°	1028.2	977.1	825.6	742.2	718.4	726.9	752.4	771.1	759.2	752.4
32.5°	1123.5	1045.2	890.3	810.3	801.8	823.9	852.9	864.8	849.5	846.1
35°	1224.0	1123.5	956.7	886.9	902.2	932.9	958.4	978.8	955.0	965.2
37.5°	1380.6	1249.5	1069.1	1007.8	1014.6	1026.5	1074.2	1130.3	1142.3	1121.8
40°	1544.0	1385.7	1172.9	1125.2	1140.6	1172.9	1229.1	1281.8	1309.1	1281.8
42.5°	1733.0	1516.8	1332.9	1276.7	1292.1	1338.0	1412.9	1455.5	1452.1	1411.2
45°	1966.2	1698.9	1482.7	1412.9	1469.1	1510.0	1584.9	1590.0	1557.6	1547.4
47.5°	2144.9	1852.1	1644.4	1600.2	1676.8	1678.5	1695.5	1697.2	1661.5	1649.5
50°	2342.4	2029.2	1824.9	1760.2	1889.6	1830.0	1784.0	1753.4	1698.9	1673.4
52.5°	2536.4	2155.1	1991.7	1925.3	2059.8	1901.5	1818.1	1724.4	1644.4	1617.2
55°	2640.3	2362.8	2235.1	2080.2	2097.3	1921.9	1712.5	1595.1	1458.9	1452.1
57.5°	2762.9	2502.4	2441.1	2185.8	2034.3	1778.9	1492.9	1338.0	1191.6	1174.6
60°	2907.6	2723.7	2659.0	2168.7	1811.3	1494.6	1183.1	983.9	846.1	834.1
62.5°	3069.3	2985.9	2793.5	2001.9	1438.5	1052.0	781.4	614.5	486.9	480.1
65°	3324.6	3205.5	2865.0	1685.3	951.6	674.1	519.2	398.3	321.7	318.3
67.5°	3484.6	3288.9	2705.0	1201.8	527.7	446.0	364.3	289.4	223.0	209.4
70°	3258.2	3018.2	2139.8	687.7	306.4	338.8	280.9	194.1	153.2	149.8
72.5°	2602.8	2240.2	1440.2	323.4	190.7	265.6	204.3	131.1	91.9	88.5
75°	1775.5	1409.5	903.9	149.8	134.5	194.1	149.8	76.6	64.7	64.7
77.5°	793.3	718.4	463.0	91.9	100.4	148.1	86.8	52.8	47.7	46.0
80°	241.7	253.6	189.0	63.0	74.9	112.4	52.8	35.7	28.9	27.2
82.5°	81.7	95.3	85.1	37.5	51.1	80.0	35.7	23.8	20.4	20.4
85°	39.2	47.7	42.6	23.8	27.2	39.2	28.9	18.7	11.9	11.9
87.5°	15.3	22.1	15.3	10.2	15.3	20.4	11.9	8.5	3.4	3.4
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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