

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: P676289

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676289
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-750-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

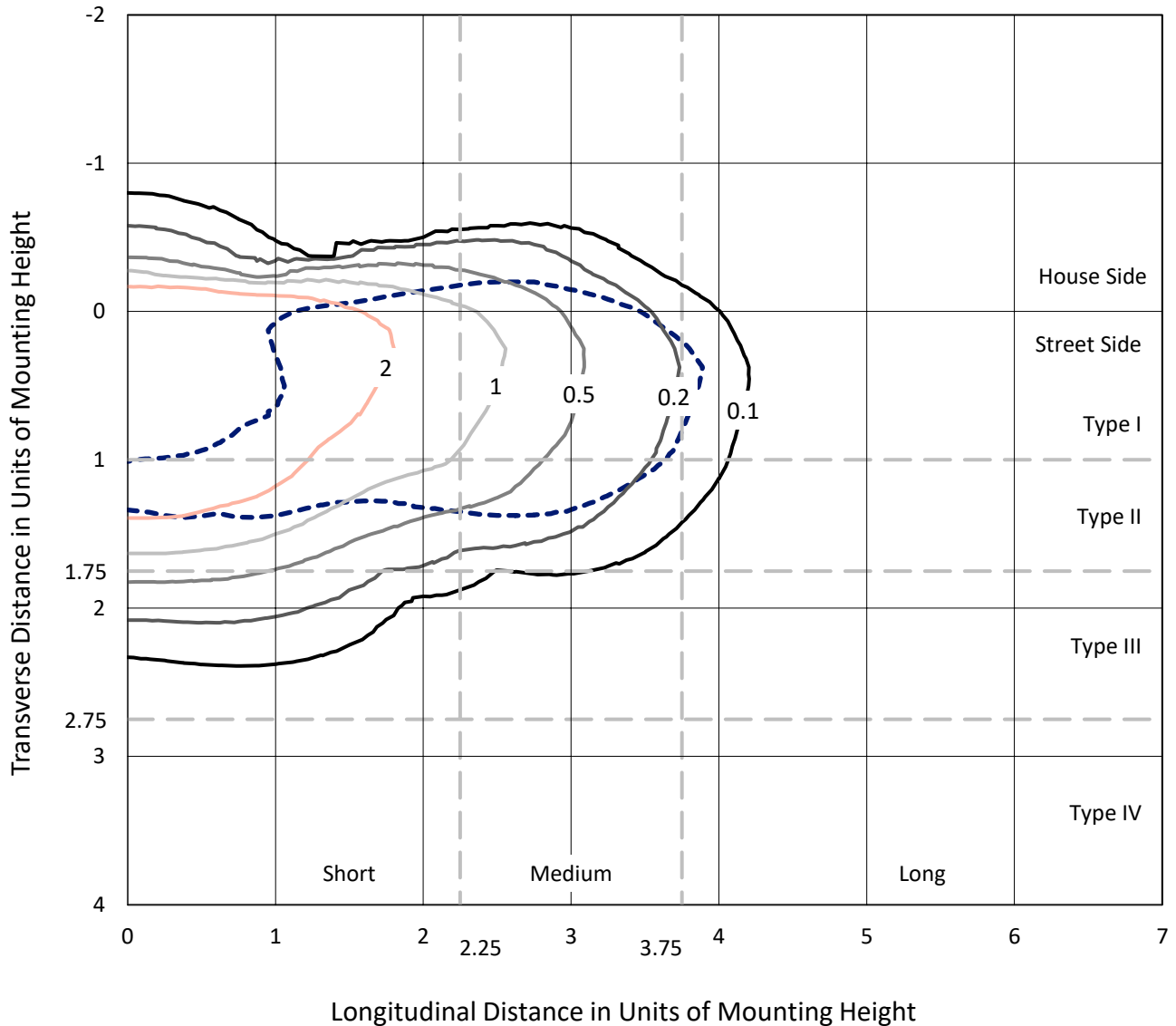
Lumens per Lamp: N/A
Luminaire Lumens: 5399.3 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

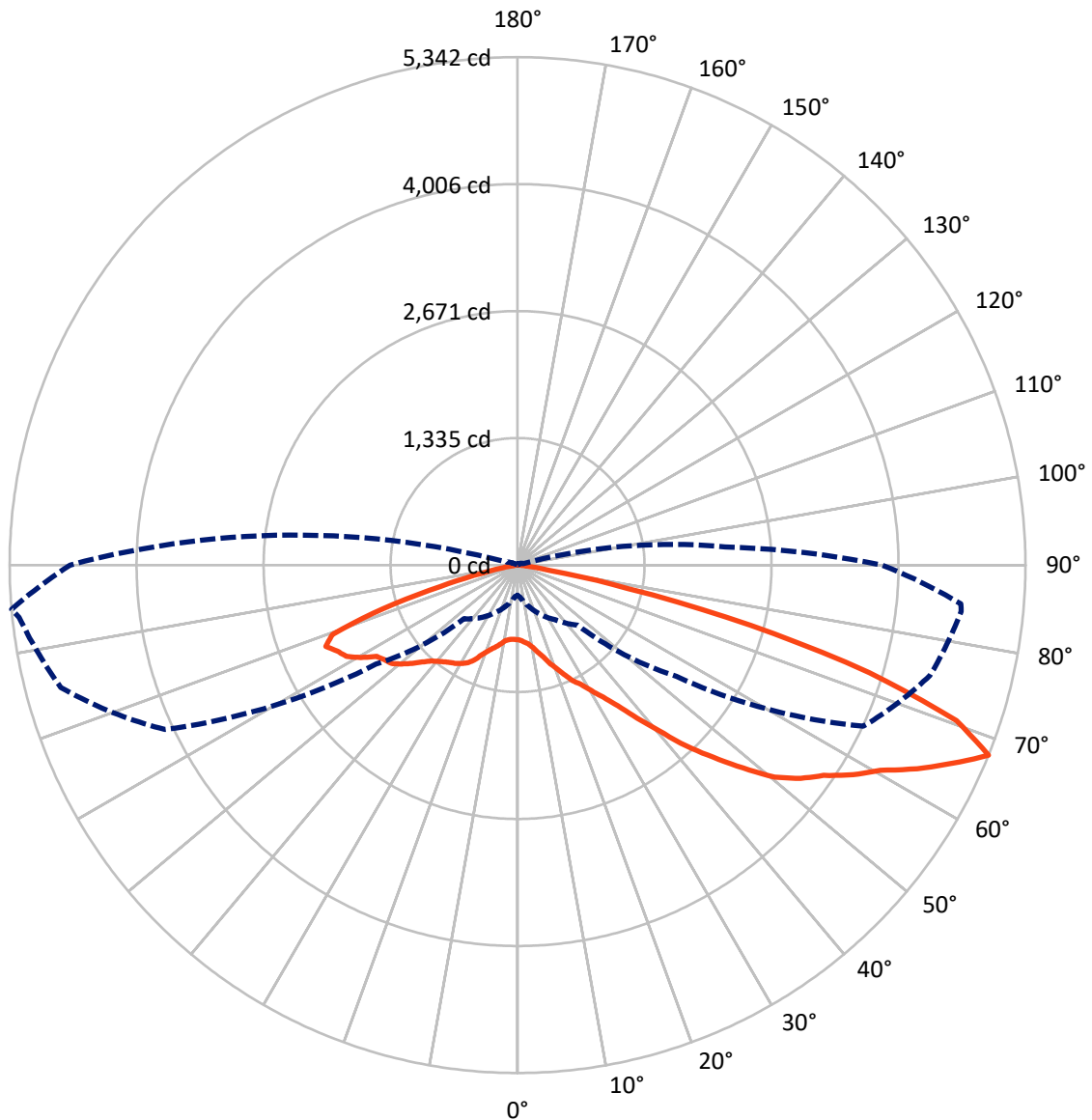
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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	767.1	0.0	767.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4632.3	0.0	4632.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	5399.3	0.0	5399.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.3
10°-20°	192.5	3.6
20°-30°	319.7	5.9
30°-40°	550.1	10.2
40°-50°	988.5	18.3
50°-60°	1407.2	26.1
60°-70°	1282.9	23.8
70°-80°	546.3	10.1
80°-90°	40.7	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°	5399.3	100.0
0°-180°	5399.3	100.0



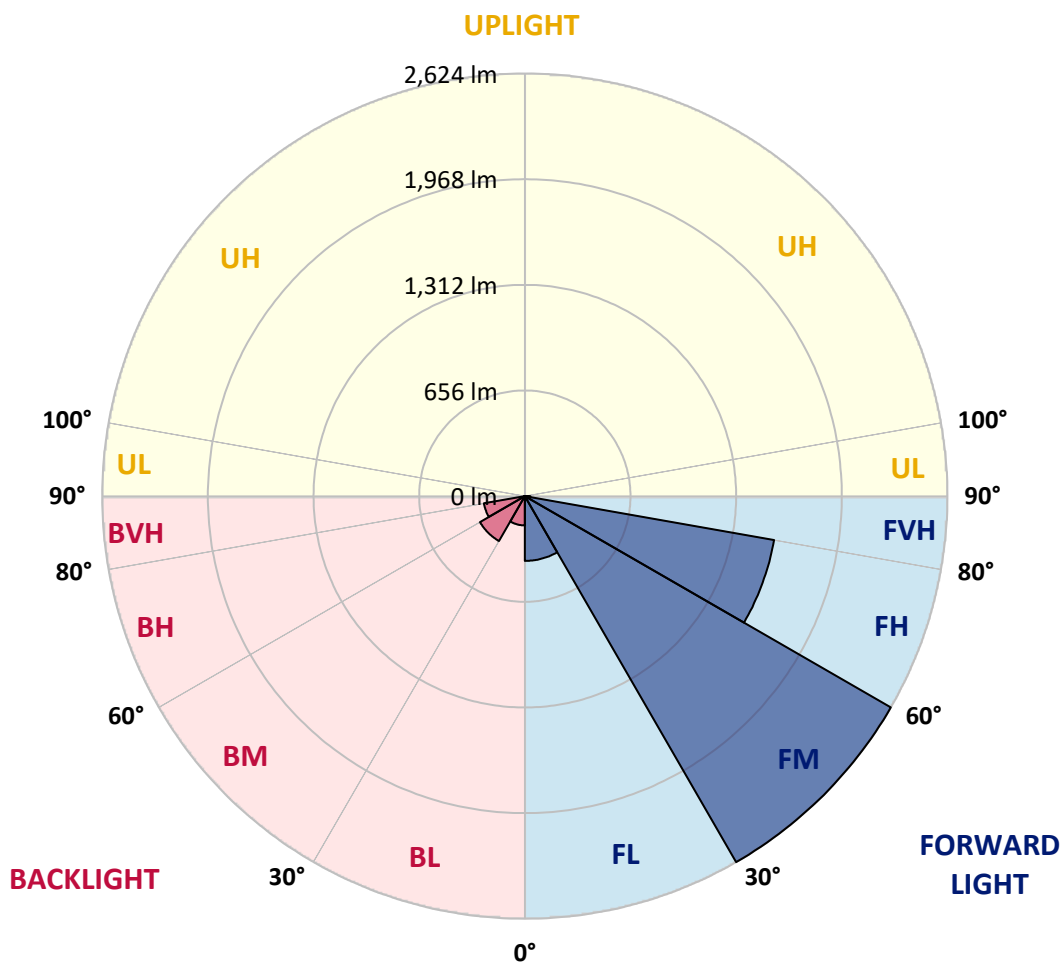
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.2	7.4			
FM (30°-60°)	2624.1	48.6			
FH (60°-80°)	1571.4	29.1			G1/1800
FVH (80°-90°)	34.5	0.6			G1/100
BL (0°-30°)	181.6	3.4	B1/500		
BM (30°-60°)	321.6	6.0	B1/1000		
BH (60°-80°)	257.7	4.8	B1/500		G1/500
BVH (80°-90°)	6.1	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°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	813.5	821.2	821.2	818.6	810.9	805.7	803.2	798.0	792.9	792.9	795.4
5°	821.2	813.5	823.8	810.9	810.9	810.9	821.2	816.0	813.5	800.6	800.6
7.5°	821.2	813.5	813.5	821.2	813.5	818.6	831.5	826.3	836.6	813.5	818.6
10°	798.0	795.4	800.6	810.9	813.5	823.8	836.6	862.4	864.9	849.5	846.9
12.5°	751.7	749.1	767.1	772.3	803.2	828.9	867.5	888.1	911.3	903.6	888.1
15°	718.2	723.4	736.2	756.8	785.1	831.5	875.2	921.6	962.8	952.5	947.3
17.5°	731.1	728.5	731.1	744.0	780.0	826.3	901.0	955.0	1014.2	1014.2	1019.4
20°	769.7	777.4	774.8	767.1	785.1	823.8	901.0	996.2	1094.0	1086.3	1086.3
22.5°	836.6	839.2	823.8	818.6	816.0	839.2	916.4	1047.7	1161.0	1176.4	1171.3
25°	906.1	908.7	903.6	888.1	867.5	872.7	944.7	1088.9	1253.7	1279.4	1274.2
27.5°	1022.0	1019.4	1006.5	988.5	957.6	934.4	988.5	1119.8	1325.7	1369.5	1356.6
30°	1137.8	1130.1	1112.1	1088.9	1060.6	1016.8	1042.6	1179.0	1415.8	1457.0	1428.7
32.5°	1279.4	1263.9	1269.1	1233.1	1173.9	1104.3	1099.2	1233.1	1487.9	1547.1	1523.9
35°	1459.6	1441.6	1415.8	1382.4	1325.7	1233.1	1204.7	1320.6	1608.9	1652.7	1652.7
37.5°	1696.4	1714.4	1683.5	1544.5	1482.8	1395.2	1336.0	1410.7	1714.4	1820.0	1794.2
40°	1938.4	1953.8	1897.2	1794.2	1660.4	1552.3	1516.2	1557.4	1874.0	2000.2	1951.3
42.5°	2134.0	2154.6	2134.0	2000.2	1894.6	1755.6	1691.3	1729.9	2080.0	2231.9	2167.5
45°	2340.0	2360.6	2337.4	2249.9	2146.9	2067.1	1904.9	1953.8	2296.2	2522.7	2450.7
47.5°	2494.4	2520.2	2479.0	2461.0	2378.6	2365.7	2090.3	2144.3	2522.7	2816.2	2726.1
50°	2530.5	2558.8	2594.8	2615.4	2587.1	2618.0	2340.0	2386.3	2759.6	3086.5	2999.0
52.5°	2445.5	2473.8	2553.6	2648.9	2780.2	2872.8	2592.3	2630.9	3006.7	3310.5	3264.1
55°	2195.8	2221.6	2383.7	2512.5	2826.5	2978.4	2834.2	2996.4	3184.3	3544.7	3431.5
57.5°	1776.2	1807.1	2020.8	2219.0	2672.1	2919.2	2978.4	3300.2	3477.8	3717.2	3585.9
60°	1261.4	1279.4	1464.7	1814.8	2244.7	2623.1	2950.1	3526.7	3709.5	3948.9	3879.4
62.5°	725.9	741.4	934.4	1263.9	1693.8	2190.7	2823.9	3740.4	3959.2	4203.7	4165.1
65°	481.4	486.5	617.8	798.0	1101.8	1614.0	2504.7	3930.9	4206.3	4407.1	4363.3
67.5°	316.6	344.9	447.9	571.5	705.3	893.3	2041.4	4010.7	4489.5	4690.3	4680.0
70°	226.5	236.8	321.8	440.2	530.3	502.0	1194.4	3446.9	4476.6	4767.5	4682.5
72.5°	133.9	144.2	213.7	329.5	417.0	319.2	558.6	2437.8	3709.5	3804.7	3781.5
75°	97.8	97.8	131.3	236.8	303.8	229.1	262.6	1542.0	2463.5	2674.6	2672.1
77.5°	69.5	72.1	90.1	141.6	234.3	167.3	144.2	857.2	1346.3	1472.5	1403.0
80°	41.2	43.8	61.8	84.9	169.9	121.0	95.2	391.3	517.4	522.6	496.8
82.5°	30.9	30.9	41.2	59.2	118.4	82.4	59.2	149.3	167.3	151.9	128.7
85°	18.0	15.4	30.9	43.8	69.5	46.3	41.2	69.5	77.2	56.6	51.5
87.5°	5.1	5.1	12.9	15.4	30.9	25.7	18.0	25.7	36.0	20.6	15.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	790.3	782.6	769.7	764.5	746.5	738.8	733.7	720.8	723.4	715.6	715.6
5°	782.6	782.6	756.8	728.5	700.2	682.2	661.6	635.8	635.8	625.5	628.1
7.5°	810.9	790.3	756.8	705.3	659.0	617.8	599.8	574.1	558.6	550.9	550.9
10°	828.9	808.3	751.7	689.9	630.7	579.2	540.6	504.5	484.0	484.0	481.4
12.5°	877.8	846.9	772.3	687.3	599.8	522.6	463.4	422.2	393.9	373.3	378.4
15°	919.0	885.5	782.6	666.7	545.7	437.6	365.5	288.3	249.7	229.1	221.4
17.5°	983.4	921.6	805.7	630.7	463.4	342.4	236.8	172.5	157.0	154.5	154.5
20°	1037.4	965.3	808.3	561.2	381.0	218.8	151.9	141.6	133.9	131.3	128.7
22.5°	1112.1	1022.0	798.0	481.4	272.9	146.7	128.7	118.4	113.3	105.5	105.5
25°	1189.3	1096.6	777.4	406.7	167.3	126.1	113.3	103.0	92.7	87.5	90.1
27.5°	1271.7	1153.3	718.2	316.6	128.7	110.7	92.7	84.9	79.8	77.2	77.2
30°	1338.6	1189.3	630.7	211.1	115.8	97.8	82.4	74.7	69.5	66.9	66.9
32.5°	1387.5	1220.2	532.9	141.6	105.5	87.5	74.7	66.9	61.8	59.2	59.2
35°	1469.9	1243.4	442.8	121.0	95.2	77.2	64.4	59.2	54.1	54.1	54.1
37.5°	1596.0	1274.2	352.7	110.7	87.5	69.5	61.8	54.1	51.5	48.9	48.9
40°	1706.7	1312.9	252.3	100.4	79.8	64.4	54.1	48.9	46.3	43.8	43.8
42.5°	1866.3	1356.6	164.8	90.1	72.1	59.2	48.9	43.8	41.2	38.6	38.6
45°	2069.7	1428.7	128.7	79.8	64.4	54.1	46.3	41.2	36.0	36.0	33.5
47.5°	2285.9	1516.2	115.8	74.7	59.2	48.9	41.2	36.0	33.5	30.9	30.9
50°	2486.7	1601.2	108.1	69.5	54.1	46.3	38.6	33.5	28.3	25.7	25.7
52.5°	2666.9	1681.0	103.0	64.4	51.5	41.2	33.5	28.3	25.7	23.2	23.2
55°	2762.2	1717.0	100.4	61.8	46.3	38.6	30.9	25.7	23.2	20.6	20.6
57.5°	2911.5	1763.3	97.8	59.2	43.8	33.5	28.3	23.2	20.6	18.0	18.0
60°	3153.4	1915.2	95.2	56.6	41.2	33.5	25.7	20.6	15.4	12.9	12.9
62.5°	3354.2	2041.4	84.9	48.9	36.0	28.3	20.6	15.4	10.3	7.7	7.7
65°	3583.3	2100.6	74.7	43.8	30.9	23.2	15.4	10.3	7.7	2.6	2.6
67.5°	3833.0	2190.7	61.8	38.6	28.3	18.0	12.9	7.7	2.6	0.0	0.0
70°	3701.7	2077.4	51.5	33.5	25.7	15.4	10.3	5.1	0.0	0.0	0.0
72.5°	2901.2	1487.9	41.2	30.9	23.2	15.4	10.3	2.6	0.0	0.0	0.0
75°	1938.4	841.8	36.0	25.7	18.0	12.9	7.7	2.6	0.0	0.0	0.0
77.5°	1052.9	378.4	30.9	23.2	15.4	10.3	7.7	2.6	0.0	0.0	0.0
80°	342.4	149.3	25.7	20.6	15.4	10.3	7.7	2.6	0.0	0.0	0.0
82.5°	92.7	46.3	25.7	20.6	15.4	10.3	7.7	2.6	0.0	0.0	0.0
85°	38.6	30.9	25.7	20.6	15.4	10.3	7.7	2.6	0.0	0.0	0.0
87.5°	15.4	10.3	10.3	12.9	10.3	7.7	5.1	2.6	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°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	718.2	723.4	725.9	725.9	738.8	751.7	767.1	780.0	780.0	787.7	795.4
5°	630.7	635.8	643.6	666.7	692.5	720.8	749.1	769.7	798.0	810.9	818.6
7.5°	558.6	563.8	584.4	607.5	643.6	692.5	741.4	787.7	816.0	828.9	839.2
10°	484.0	491.7	514.8	556.0	602.4	661.6	718.2	798.0	844.3	870.1	880.4
12.5°	375.8	396.4	427.3	471.1	530.3	620.4	725.9	808.3	888.1	919.0	939.6
15°	236.8	254.8	303.8	373.3	453.1	558.6	705.3	823.8	934.4	965.3	998.8
17.5°	151.9	154.5	169.9	244.6	347.5	481.4	674.4	846.9	985.9	1029.7	1081.2
20°	128.7	133.9	136.4	146.7	231.7	396.4	610.1	875.2	1047.7	1106.9	1155.8
22.5°	108.1	110.7	115.8	123.6	139.0	288.3	522.6	875.2	1101.8	1189.3	1245.9
25°	87.5	92.7	97.8	105.5	121.0	180.2	432.5	859.8	1166.1	1274.2	1346.3
27.5°	77.2	77.2	82.4	90.1	103.0	126.1	342.4	813.5	1215.0	1325.7	1421.0
30°	66.9	69.5	72.1	79.8	92.7	110.7	236.8	738.8	1266.5	1426.1	1534.2
32.5°	59.2	59.2	64.4	69.5	82.4	100.4	151.9	625.5	1333.5	1503.4	1655.2
35°	54.1	54.1	56.6	61.8	74.7	90.1	118.4	530.3	1413.3	1650.1	1817.4
37.5°	48.9	48.9	51.5	56.6	66.9	79.8	108.1	455.6	1495.6	1796.8	2041.4
40°	43.8	43.8	46.3	51.5	59.2	72.1	97.8	368.1	1598.6	2013.1	2285.9
42.5°	38.6	38.6	41.2	46.3	54.1	64.4	84.9	275.4	1735.0	2247.3	2602.5
45°	33.5	33.5	36.0	41.2	46.3	59.2	77.2	211.1	1884.3	2507.3	2880.6
47.5°	28.3	30.9	33.5	38.6	43.8	54.1	69.5	185.3	2031.1	2782.7	3189.5
50°	25.7	25.7	28.3	33.5	41.2	48.9	64.4	182.8	2180.4	2993.8	3506.1
52.5°	23.2	23.2	25.7	30.9	38.6	46.3	61.8	187.9	2303.9	3189.5	3727.5
55°	20.6	20.6	23.2	25.7	33.5	43.8	56.6	193.1	2391.5	3387.7	3905.1
57.5°	18.0	18.0	20.6	25.7	30.9	38.6	51.5	198.2	2533.0	3583.3	4162.5
60°	12.9	12.9	18.0	23.2	28.3	33.5	48.9	203.4	2759.6	3853.6	4381.3
62.5°	7.7	7.7	10.3	18.0	23.2	30.9	43.8	193.1	2970.7	4201.1	4716.0
65°	2.6	5.1	7.7	10.3	18.0	25.7	36.0	175.0	3148.3	4548.7	5024.9
67.5°	0.0	0.0	2.6	7.7	15.4	20.6	30.9	128.7	3176.6	4705.7	5341.5
70°	0.0	0.0	2.6	7.7	12.9	20.6	28.3	72.1	2705.5	4203.7	4896.2
72.5°	0.0	0.0	0.0	5.1	12.9	18.0	25.7	54.1	1995.0	3168.9	3869.1
75°	0.0	0.0	0.0	2.6	10.3	15.4	23.2	41.2	1212.5	2113.4	2525.3
77.5°	0.0	0.0	0.0	2.6	7.7	15.4	23.2	36.0	427.3	1006.5	1186.7
80°	0.0	0.0	0.0	5.1	10.3	15.4	20.6	30.9	103.0	252.3	339.8
82.5°	0.0	0.0	0.0	2.6	7.7	12.9	18.0	25.7	41.2	74.7	118.4
85°	0.0	0.0	0.0	2.6	5.1	12.9	18.0	23.2	28.3	36.0	51.5
87.5°	0.0	0.0	0.0	0.0	2.6	5.1	7.7	10.3	10.3	10.3	18.0
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1	785.1
2.5°	792.9	803.2	808.3	818.6	823.8	821.2	818.6	826.3	821.2	813.5
5°	821.2	821.2	828.9	831.5	831.5	823.8	828.9	826.3	821.2	821.2
7.5°	852.1	864.9	864.9	849.5	846.9	841.8	841.8	821.2	813.5	821.2
10°	883.0	893.3	895.8	877.8	854.6	844.3	831.5	805.7	792.9	798.0
12.5°	947.3	947.3	919.0	898.4	867.5	831.5	800.6	764.5	746.5	751.7
15°	993.7	1004.0	965.3	919.0	864.9	798.0	764.5	736.2	725.9	718.2
17.5°	1083.8	1063.2	1001.4	934.4	857.2	787.7	764.5	738.8	731.1	731.1
20°	1161.0	1150.7	1058.0	937.0	854.6	808.3	792.9	780.0	777.4	769.7
22.5°	1266.5	1220.2	1101.8	965.3	883.0	841.8	836.6	849.5	841.8	836.6
25°	1346.3	1307.7	1135.2	1006.5	926.7	913.9	921.6	934.4	913.9	906.1
27.5°	1454.4	1382.4	1199.6	1060.6	985.9	998.8	1024.5	1027.1	1014.2	1022.0
30°	1554.8	1477.6	1248.5	1122.4	1086.3	1099.2	1137.8	1166.1	1148.1	1137.8
32.5°	1699.0	1580.6	1346.3	1225.3	1212.5	1245.9	1289.7	1307.7	1284.5	1279.4
35°	1850.9	1699.0	1446.7	1341.2	1364.3	1410.7	1449.3	1480.2	1444.1	1459.6
37.5°	2087.7	1889.5	1616.6	1523.9	1534.2	1552.3	1624.3	1709.3	1727.3	1696.4
40°	2334.8	2095.4	1773.6	1701.6	1724.7	1773.6	1858.6	1938.4	1979.6	1938.4
42.5°	2620.6	2293.6	2015.6	1930.7	1953.8	2023.3	2136.6	2201.0	2195.8	2134.0
45°	2973.2	2569.1	2242.2	2136.6	2221.6	2283.3	2396.6	2404.3	2355.4	2340.0
47.5°	3243.5	2800.8	2486.7	2419.8	2535.6	2538.2	2563.9	2566.5	2512.5	2494.4
50°	3542.1	3068.5	2759.6	2661.8	2857.4	2767.3	2697.8	2651.5	2569.1	2530.5
52.5°	3835.6	3259.0	3011.9	2911.5	3114.8	2875.4	2749.3	2607.7	2486.7	2445.5
55°	3992.6	3573.0	3380.0	3145.7	3171.5	2906.3	2589.7	2412.1	2206.1	2195.8
57.5°	4178.0	3784.1	3691.5	3305.3	3076.2	2690.1	2257.6	2023.3	1802.0	1776.2
60°	4396.8	4118.8	4021.0	3279.6	2739.0	2260.2	1789.1	1487.9	1279.4	1261.4
62.5°	4641.3	4515.2	4224.3	3027.3	2175.2	1590.9	1181.6	929.3	736.2	725.9
65°	5027.5	4847.3	4332.4	2548.5	1439.0	1019.4	785.1	602.4	486.5	481.4
67.5°	5269.5	4973.4	4090.5	1817.4	798.0	674.4	550.9	437.6	337.2	316.6
70°	4927.1	4564.1	3235.8	1040.0	463.4	512.3	424.7	293.5	231.7	226.5
72.5°	3936.0	3387.7	2177.8	489.1	288.3	401.6	308.9	198.2	139.0	133.9
75°	2684.9	2131.5	1366.9	226.5	203.4	293.5	226.5	115.8	97.8	97.8
77.5°	1199.6	1086.3	700.2	139.0	151.9	224.0	131.3	79.8	72.1	69.5
80°	365.5	383.6	285.7	95.2	113.3	169.9	79.8	54.1	43.8	41.2
82.5°	123.6	144.2	128.7	56.6	77.2	121.0	54.1	36.0	30.9	30.9
85°	59.2	72.1	64.4	36.0	41.2	59.2	43.8	28.3	18.0	18.0
87.5°	23.2	33.5	23.2	15.4	23.2	30.9	18.0	12.9	5.1	5.1
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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