

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: P676294

Luminaire Tested: **CCW-SA-2D-750-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676294
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-750-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

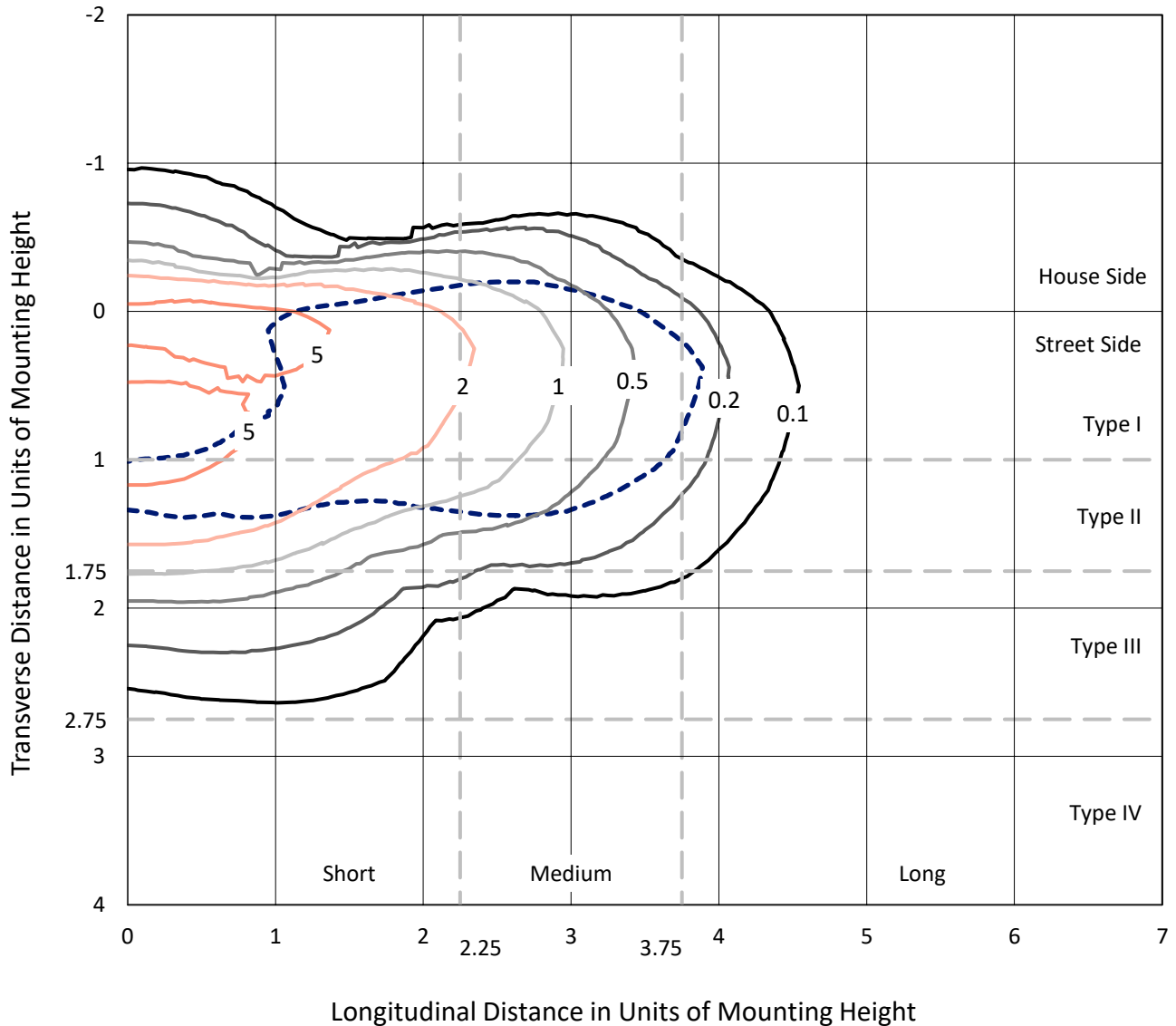
Lumens per Lamp: N/A
Luminaire Lumens: 8807.6 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

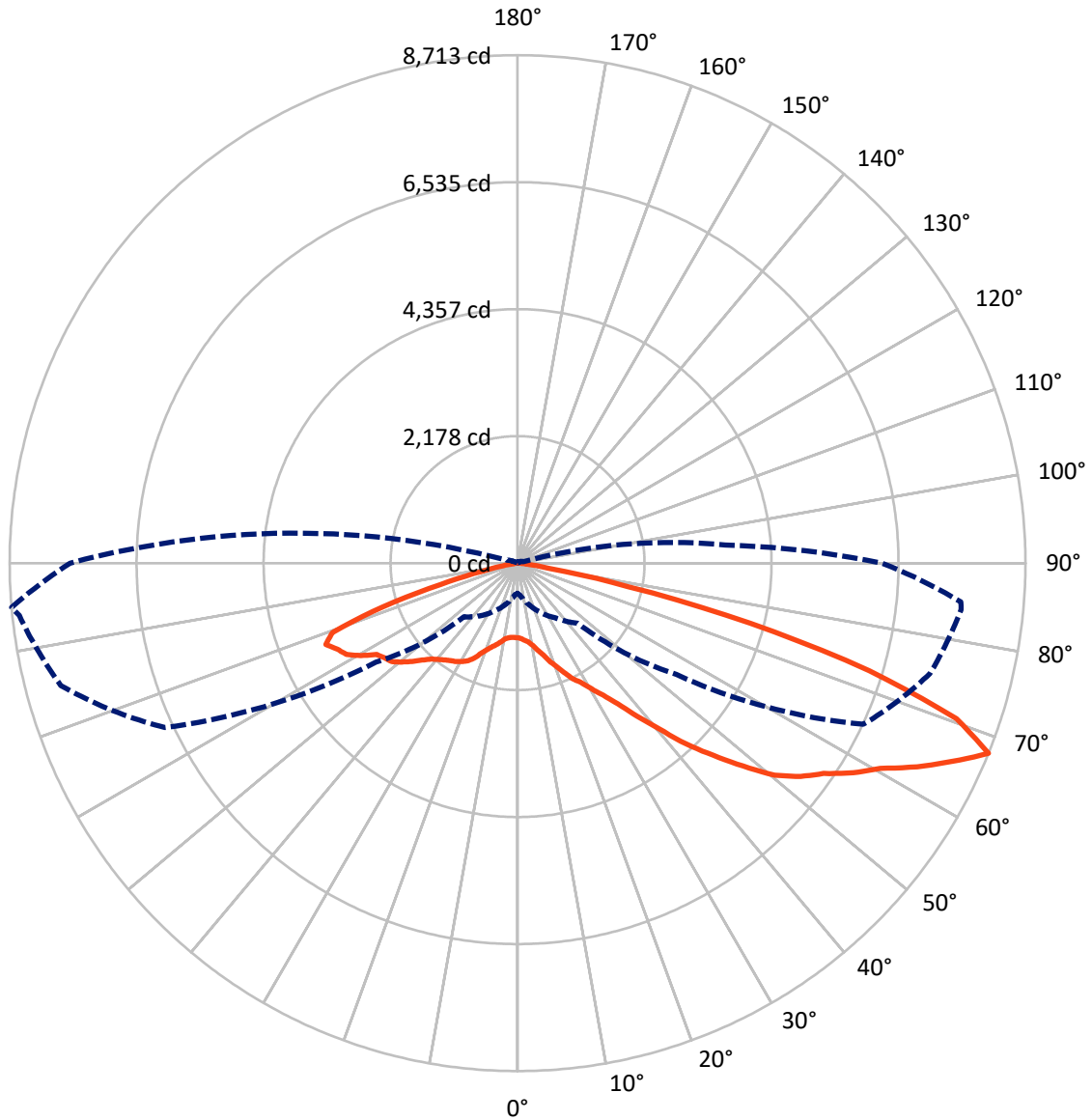
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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	1251.3	0.0	1251.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	7556.3	0.0	7556.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	8807.6	0.0	8807.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.3
10°-20°	314.0	3.6
20°-30°	521.5	5.9
30°-40°	897.3	10.2
40°-50°	1612.4	18.3
50°-60°	2295.4	26.1
60°-70°	2092.7	23.8
70°-80°	891.1	10.1
80°-90°	66.3	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°	8807.6	100.0
0°-180°	8807.6	100.0



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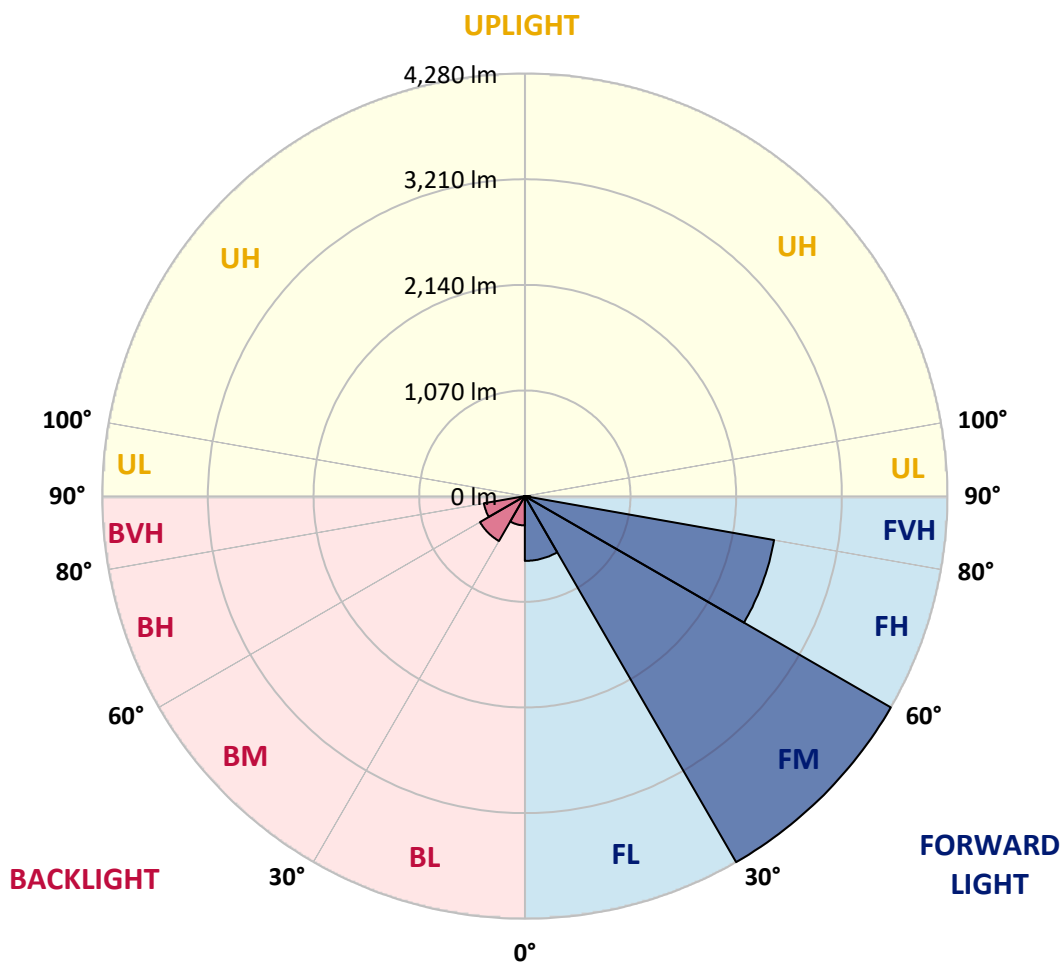
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.1	7.4			
FM (30°-60°)	4280.5	48.6			
FH (60°-80°)	2563.4	29.1			G2/5000
FVH (80°-90°)	56.3	0.6			G1/100
BL (0°-30°)	296.2	3.4	B1/500		
BM (30°-60°)	524.6	6.0	B1/1000		
BH (60°-80°)	420.4	4.8	B1/500		G1/500
BVH (80°-90°)	10.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1326.9	1339.5	1339.5	1335.3	1322.7	1314.3	1310.1	1301.7	1293.3	1293.3	1297.5
5°	1339.5	1326.9	1343.7	1322.7	1322.7	1322.7	1339.5	1331.1	1326.9	1305.9	1305.9
7.5°	1339.5	1326.9	1326.9	1339.5	1326.9	1335.3	1356.3	1347.9	1364.7	1326.9	1335.3
10°	1301.7	1297.5	1305.9	1322.7	1326.9	1343.7	1364.7	1406.7	1410.9	1385.7	1381.5
12.5°	1226.2	1222.0	1251.4	1259.8	1310.1	1352.1	1415.1	1448.7	1486.5	1473.9	1448.7
15°	1171.6	1180.0	1201.0	1234.6	1280.7	1356.3	1427.7	1503.3	1570.5	1553.7	1545.3
17.5°	1192.6	1188.4	1192.6	1213.6	1272.3	1347.9	1469.7	1557.9	1654.5	1654.5	1662.9
20°	1255.6	1268.1	1264.0	1251.4	1280.7	1343.7	1469.7	1625.1	1784.6	1772.0	1772.0
22.5°	1364.7	1368.9	1343.7	1335.3	1331.1	1368.9	1494.9	1709.1	1893.8	1919.0	1910.6
25°	1478.1	1482.3	1473.9	1448.7	1415.1	1423.5	1541.1	1776.2	2045.0	2087.0	2078.6
27.5°	1667.1	1662.9	1641.9	1612.5	1562.1	1524.3	1612.5	1826.6	2162.6	2234.0	2213.0
30°	1856.0	1843.4	1814.0	1776.2	1730.1	1658.7	1700.7	1923.2	2309.5	2376.7	2330.5
32.5°	2087.0	2061.8	2070.2	2011.4	1914.8	1801.4	1793.0	2011.4	2427.1	2523.7	2485.9
35°	2380.9	2351.5	2309.5	2255.0	2162.6	2011.4	1965.2	2154.2	2624.5	2695.9	2695.9
37.5°	2767.3	2796.6	2746.3	2519.5	2418.7	2276.0	2179.4	2301.1	2796.6	2968.8	2926.8
40°	3162.0	3187.2	3094.8	2926.8	2708.5	2532.1	2473.3	2540.5	3057.0	3262.8	3183.0
42.5°	3481.1	3514.7	3481.1	3262.8	3090.6	2863.8	2758.9	2821.8	3392.9	3640.7	3535.7
45°	3817.0	3850.6	3812.8	3670.1	3502.1	3371.9	3107.4	3187.2	3745.7	4115.2	3997.6
47.5°	4069.0	4111.0	4043.8	4014.4	3880.0	3859.0	3409.7	3497.9	4115.2	4593.9	4446.9
50°	4127.8	4174.0	4232.8	4266.4	4220.2	4270.6	3817.0	3892.6	4501.5	5034.8	4892.0
52.5°	3989.2	4035.4	4165.6	4320.9	4535.1	4686.3	4228.6	4291.6	4904.6	5400.1	5324.5
55°	3581.9	3623.9	3888.4	4098.4	4610.7	4858.4	4623.3	4887.8	5194.4	5782.3	5597.5
57.5°	2897.4	2947.8	3296.3	3619.7	4358.7	4761.9	4858.4	5383.3	5673.1	6063.6	5849.4
60°	2057.6	2087.0	2389.3	2960.4	3661.7	4279.0	4812.2	5752.9	6051.0	6441.5	6328.1
62.5°	1184.2	1209.4	1524.3	2061.8	2763.1	3573.5	4606.5	6101.4	6458.3	6857.2	6794.3
65°	785.2	793.6	1007.8	1301.7	1797.2	2632.9	4085.8	6412.1	6861.4	7189.0	7117.6
67.5°	516.5	562.7	730.7	932.2	1150.6	1457.1	3329.9	6542.3	7323.4	7650.9	7634.1
70°	369.5	386.3	524.9	718.1	865.0	818.8	1948.4	5622.7	7302.4	7776.9	7638.3
72.5°	218.4	235.2	348.5	537.5	680.3	520.7	911.2	3976.6	6051.0	6206.4	6168.6
75°	159.6	159.6	214.2	386.3	495.5	373.7	428.3	2515.3	4018.6	4362.9	4358.7
77.5°	113.4	117.6	147.0	231.0	382.1	272.9	235.2	1398.3	2196.2	2401.9	2288.5
80°	67.2	71.4	100.8	138.6	277.1	197.4	155.4	638.3	844.0	852.4	810.4
82.5°	50.4	50.4	67.2	96.6	193.2	134.4	96.6	243.6	272.9	247.8	210.0
85°	29.4	25.2	50.4	71.4	113.4	75.6	67.2	113.4	126.0	92.4	84.0
87.5°	8.4	8.4	21.0	25.2	50.4	42.0	29.4	42.0	58.8	33.6	25.2
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°	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1289.1	1276.5	1255.6	1247.2	1217.8	1205.2	1196.8	1175.8	1180.0	1167.4	1167.4
5°	1276.5	1276.5	1234.6	1188.4	1142.2	1112.8	1079.2	1037.2	1037.2	1020.4	1024.6
7.5°	1322.7	1289.1	1234.6	1150.6	1075.0	1007.8	978.4	936.4	911.2	898.6	898.6
10°	1352.1	1318.5	1226.2	1125.4	1028.8	944.8	881.8	823.0	789.4	789.4	785.2
12.5°	1431.9	1381.5	1259.8	1121.2	978.4	852.4	755.9	688.7	642.5	608.9	617.3
15°	1499.1	1444.5	1276.5	1087.6	890.2	713.9	596.3	470.3	407.3	373.7	361.1
17.5°	1604.1	1503.3	1314.3	1028.8	755.9	558.5	386.3	281.3	256.1	252.0	252.0
20°	1692.3	1574.7	1318.5	915.4	621.5	356.9	247.8	231.0	218.4	214.2	210.0
22.5°	1814.0	1667.1	1301.7	785.2	445.1	239.4	210.0	193.2	184.8	172.2	172.2
25°	1940.0	1788.8	1268.1	663.5	272.9	205.8	184.8	168.0	151.2	142.8	147.0
27.5°	2074.4	1881.2	1171.6	516.5	210.0	180.6	151.2	138.6	130.2	126.0	126.0
30°	2183.6	1940.0	1028.8	344.3	189.0	159.6	134.4	121.8	113.4	109.2	109.2
32.5°	2263.4	1990.4	869.2	231.0	172.2	142.8	121.8	109.2	100.8	96.6	96.6
35°	2397.7	2028.2	722.3	197.4	155.4	126.0	105.0	96.6	88.2	88.2	88.2
37.5°	2603.5	2078.6	575.3	180.6	142.8	113.4	100.8	88.2	84.0	79.8	79.8
40°	2784.0	2141.6	411.5	163.8	130.2	105.0	88.2	79.8	75.6	71.4	71.4
42.5°	3044.4	2213.0	268.7	147.0	117.6	96.6	79.8	71.4	67.2	63.0	63.0
45°	3376.1	2330.5	210.0	130.2	105.0	88.2	75.6	67.2	58.8	58.8	54.6
47.5°	3728.9	2473.3	189.0	121.8	96.6	79.8	67.2	58.8	54.6	50.4	50.4
50°	4056.4	2611.9	176.4	113.4	88.2	75.6	63.0	54.6	46.2	42.0	42.0
52.5°	4350.3	2742.1	168.0	105.0	84.0	67.2	54.6	46.2	42.0	37.8	37.8
55°	4505.7	2800.8	163.8	100.8	75.6	63.0	50.4	42.0	37.8	33.6	33.6
57.5°	4749.3	2876.4	159.6	96.6	71.4	54.6	46.2	37.8	33.6	29.4	29.4
60°	5144.0	3124.2	155.4	92.4	67.2	54.6	42.0	33.6	25.2	21.0	21.0
62.5°	5471.5	3329.9	138.6	79.8	58.8	46.2	33.6	25.2	16.8	12.6	12.6
65°	5845.2	3426.5	121.8	71.4	50.4	37.8	25.2	16.8	12.6	4.2	4.2
67.5°	6252.6	3573.5	100.8	63.0	46.2	29.4	21.0	12.6	4.2	0.0	0.0
70°	6038.4	3388.7	84.0	54.6	42.0	25.2	16.8	8.4	0.0	0.0	0.0
72.5°	4732.5	2427.1	67.2	50.4	37.8	25.2	16.8	4.2	0.0	0.0	0.0
75°	3162.0	1373.1	58.8	42.0	29.4	21.0	12.6	4.2	0.0	0.0	0.0
77.5°	1717.5	617.3	50.4	37.8	25.2	16.8	12.6	4.2	0.0	0.0	0.0
80°	558.5	243.6	42.0	33.6	25.2	16.8	12.6	4.2	0.0	0.0	0.0
82.5°	151.2	75.6	42.0	33.6	25.2	16.8	12.6	4.2	0.0	0.0	0.0
85°	63.0	50.4	42.0	33.6	25.2	16.8	12.6	4.2	0.0	0.0	0.0
87.5°	25.2	16.8	16.8	21.0	16.8	12.6	8.4	4.2	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°	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1171.6	1180.0	1184.2	1184.2	1205.2	1226.2	1251.4	1272.3	1272.3	1284.9	1297.5
5°	1028.8	1037.2	1049.8	1087.6	1129.6	1175.8	1222.0	1255.6	1301.7	1322.7	1335.3
7.5°	911.2	919.6	953.2	991.0	1049.8	1129.6	1209.4	1284.9	1331.1	1352.1	1368.9
10°	789.4	802.0	839.8	907.0	982.6	1079.2	1171.6	1301.7	1377.3	1419.3	1436.1
12.5°	613.1	646.7	697.1	768.4	865.0	1012.0	1184.2	1318.5	1448.7	1499.1	1532.7
15°	386.3	415.7	495.5	608.9	739.1	911.2	1150.6	1343.7	1524.3	1574.7	1629.3
17.5°	247.8	252.0	277.1	398.9	566.9	785.2	1100.2	1381.5	1608.3	1679.7	1763.7
20°	210.0	218.4	222.6	239.4	377.9	646.7	995.2	1427.7	1709.1	1805.6	1885.4
22.5°	176.4	180.6	189.0	201.6	226.8	470.3	852.4	1427.7	1797.2	1940.0	2032.4
25°	142.8	151.2	159.6	172.2	197.4	293.9	705.5	1402.5	1902.2	2078.6	2196.2
27.5°	126.0	126.0	134.4	147.0	168.0	205.8	558.5	1326.9	1982.0	2162.6	2317.9
30°	109.2	113.4	117.6	130.2	151.2	180.6	386.3	1205.2	2066.0	2326.3	2502.7
32.5°	96.6	96.6	105.0	113.4	134.4	163.8	247.8	1020.4	2175.2	2452.3	2700.1
35°	88.2	88.2	92.4	100.8	121.8	147.0	193.2	865.0	2305.3	2691.7	2964.6
37.5°	79.8	79.8	84.0	92.4	109.2	130.2	176.4	743.3	2439.7	2931.0	3329.9
40°	71.4	71.4	75.6	84.0	96.6	117.6	159.6	600.5	2607.7	3283.8	3728.9
42.5°	63.0	63.0	67.2	75.6	88.2	105.0	138.6	449.3	2830.2	3665.9	4245.4
45°	54.6	54.6	58.8	67.2	75.6	96.6	126.0	344.3	3073.8	4090.0	4698.9
47.5°	46.2	50.4	54.6	63.0	71.4	88.2	113.4	302.3	3313.1	4539.3	5202.8
50°	42.0	42.0	46.2	54.6	67.2	79.8	105.0	298.1	3556.7	4883.6	5719.3
52.5°	37.8	37.8	42.0	50.4	63.0	75.6	100.8	306.5	3758.3	5202.8	6080.4
55°	33.6	33.6	37.8	42.0	54.6	71.4	92.4	314.9	3901.0	5526.1	6370.1
57.5°	29.4	29.4	33.6	42.0	50.4	63.0	84.0	323.3	4132.0	5845.2	6790.1
60°	21.0	21.0	29.4	37.8	46.2	54.6	79.8	331.7	4501.5	6286.2	7147.0
62.5°	12.6	12.6	16.8	29.4	37.8	50.4	71.4	314.9	4845.8	6853.0	7692.9
65°	4.2	8.4	12.6	16.8	29.4	42.0	58.8	285.5	5135.6	7419.9	8196.8
67.5°	0.0	0.0	4.2	12.6	25.2	33.6	50.4	210.0	5181.8	7676.1	8713.3
70°	0.0	0.0	4.2	12.6	21.0	33.6	46.2	117.6	4413.3	6857.2	7986.8
72.5°	0.0	0.0	0.0	8.4	21.0	29.4	42.0	88.2	3254.4	5169.2	6311.4
75°	0.0	0.0	0.0	4.2	16.8	25.2	37.8	67.2	1977.8	3447.5	4119.4
77.5°	0.0	0.0	0.0	4.2	12.6	25.2	37.8	58.8	697.1	1641.9	1935.8
80°	0.0	0.0	0.0	8.4	16.8	25.2	33.6	50.4	168.0	411.5	554.3
82.5°	0.0	0.0	0.0	4.2	12.6	21.0	29.4	42.0	67.2	121.8	193.2
85°	0.0	0.0	0.0	4.2	8.4	21.0	29.4	37.8	46.2	58.8	84.0
87.5°	0.0	0.0	0.0	0.0	4.2	8.4	12.6	16.8	16.8	16.8	29.4
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1293.3	1310.1	1318.5	1335.3	1343.7	1339.5	1335.3	1347.9	1339.5	1326.9
5°	1339.5	1339.5	1352.1	1356.3	1356.3	1343.7	1352.1	1347.9	1339.5	1339.5
7.5°	1389.9	1410.9	1410.9	1385.7	1381.5	1373.1	1373.1	1339.5	1326.9	1339.5
10°	1440.3	1457.1	1461.3	1431.9	1394.1	1377.3	1356.3	1314.3	1293.3	1301.7
12.5°	1545.3	1545.3	1499.1	1465.5	1415.1	1356.3	1305.9	1247.2	1217.8	1226.2
15°	1620.9	1637.7	1574.7	1499.1	1410.9	1301.7	1247.2	1201.0	1184.2	1171.6
17.5°	1767.9	1734.3	1633.5	1524.3	1398.3	1284.9	1247.2	1205.2	1192.6	1192.6
20°	1893.8	1877.0	1725.9	1528.5	1394.1	1318.5	1293.3	1272.3	1268.1	1255.6
22.5°	2066.0	1990.4	1797.2	1574.7	1440.3	1373.1	1364.7	1385.7	1373.1	1364.7
25°	2196.2	2133.2	1851.8	1641.9	1511.7	1490.7	1503.3	1524.3	1490.7	1478.1
27.5°	2372.5	2255.0	1956.8	1730.1	1608.3	1629.3	1671.3	1675.5	1654.5	1667.1
30°	2536.3	2410.3	2036.6	1830.8	1772.0	1793.0	1856.0	1902.2	1872.8	1856.0
32.5°	2771.5	2578.3	2196.2	1998.8	1977.8	2032.4	2103.8	2133.2	2095.4	2087.0
35°	3019.2	2771.5	2359.9	2187.8	2225.6	2301.1	2364.1	2414.5	2355.7	2380.9
37.5°	3405.5	3082.2	2637.1	2485.9	2502.7	2532.1	2649.7	2788.2	2817.6	2767.3
40°	3808.6	3418.1	2893.2	2775.7	2813.4	2893.2	3031.8	3162.0	3229.2	3162.0
42.5°	4274.8	3741.5	3288.0	3149.4	3187.2	3300.5	3485.3	3590.3	3581.9	3481.1
45°	4850.0	4190.8	3657.5	3485.3	3623.9	3724.7	3909.4	3922.0	3842.2	3817.0
47.5°	5291.0	4568.7	4056.4	3947.2	4136.2	4140.4	4182.4	4186.6	4098.4	4069.0
50°	5778.1	5005.4	4501.5	4341.9	4661.1	4514.1	4400.7	4325.1	4190.8	4127.8
52.5°	6256.8	5316.1	4913.0	4749.3	5081.0	4690.5	4484.7	4253.8	4056.4	3989.2
55°	6512.9	5828.4	5513.5	5131.4	5173.4	4740.9	4224.4	3934.6	3598.7	3581.9
57.5°	6815.3	6172.8	6021.6	5391.7	5018.0	4388.1	3682.7	3300.5	2939.4	2897.4
60°	7172.2	6718.7	6559.1	5349.7	4467.9	3686.9	2918.4	2427.1	2087.0	2057.6
62.5°	7571.1	7365.3	6890.8	4938.2	3548.3	2595.1	1927.4	1515.9	1201.0	1184.2
65°	8201.0	7907.0	7067.2	4157.2	2347.3	1662.9	1280.7	982.6	793.6	785.2
67.5°	8595.7	8112.8	6672.5	2964.6	1301.7	1100.2	898.6	713.9	550.1	516.5
70°	8037.2	7445.1	5278.4	1696.5	755.9	835.6	692.9	478.7	377.9	369.5
72.5°	6420.5	5526.1	3552.5	797.8	470.3	655.1	503.9	323.3	226.8	218.4
75°	4379.7	3476.9	2229.8	369.5	331.7	478.7	369.5	189.0	159.6	159.6
77.5°	1956.8	1772.0	1142.2	226.8	247.8	365.3	214.2	130.2	117.6	113.4
80°	596.3	625.7	466.1	155.4	184.8	277.1	130.2	88.2	71.4	67.2
82.5°	201.6	235.2	210.0	92.4	126.0	197.4	88.2	58.8	50.4	50.4
85°	96.6	117.6	105.0	58.8	67.2	96.6	71.4	46.2	29.4	29.4
87.5°	37.8	54.6	37.8	25.2	37.8	50.4	29.4	21.0	8.4	8.4
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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