

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: P673127

Luminaire Tested: **CCP-SA-2D-740-U-T2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673127
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-740-U-T2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

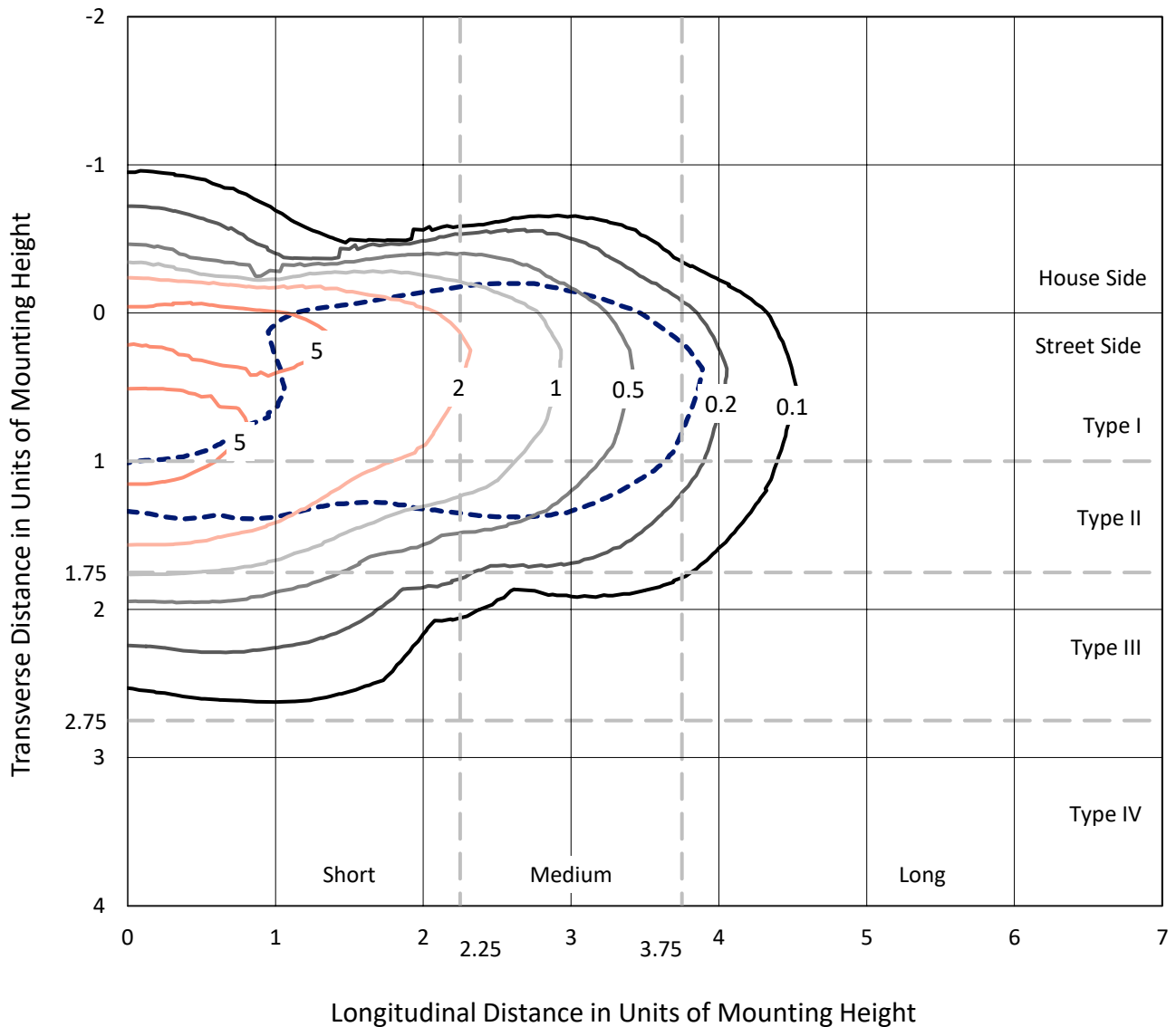
Lumens per Lamp: N/A
Luminaire Lumens: 8610.4 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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

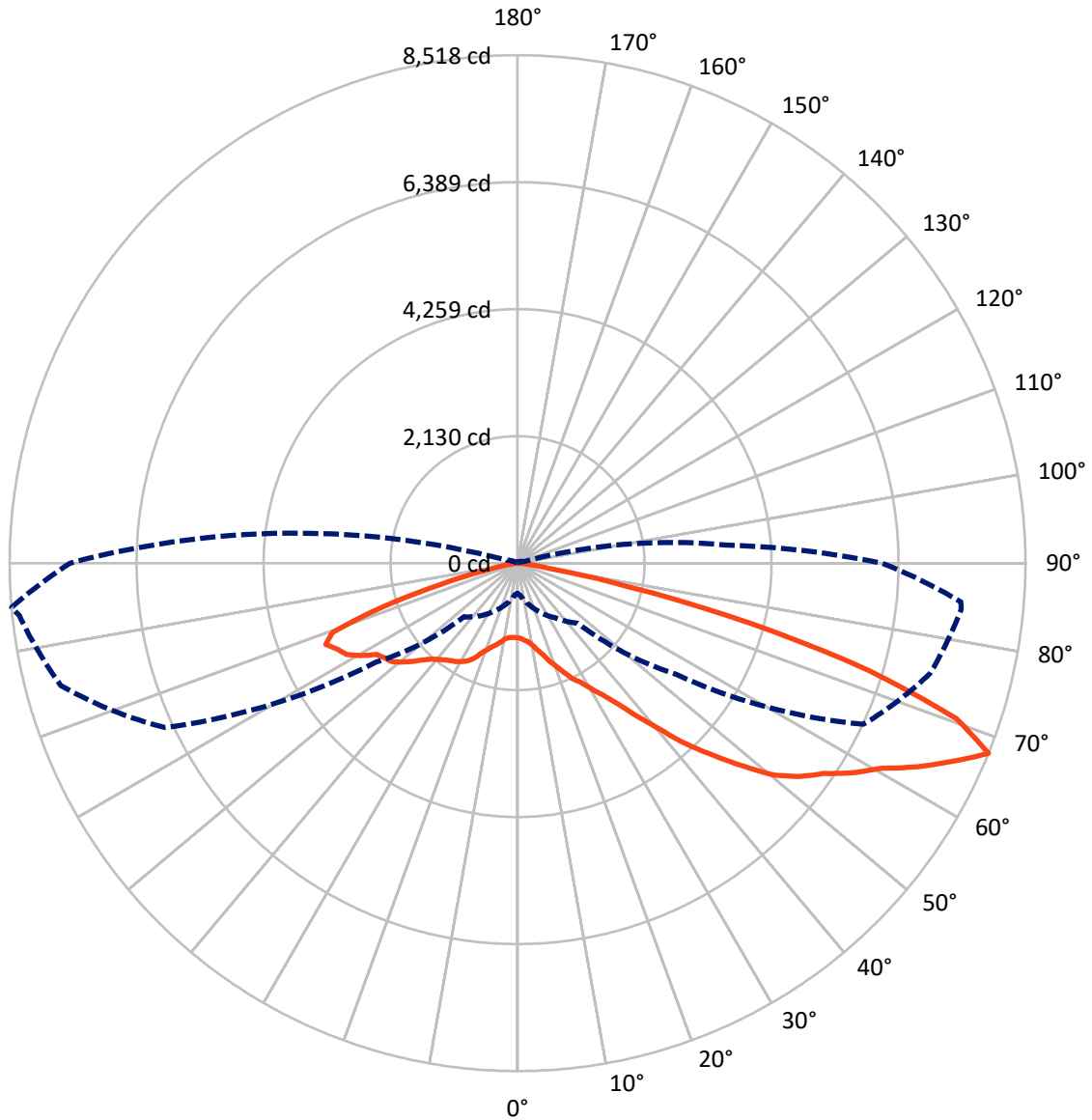
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 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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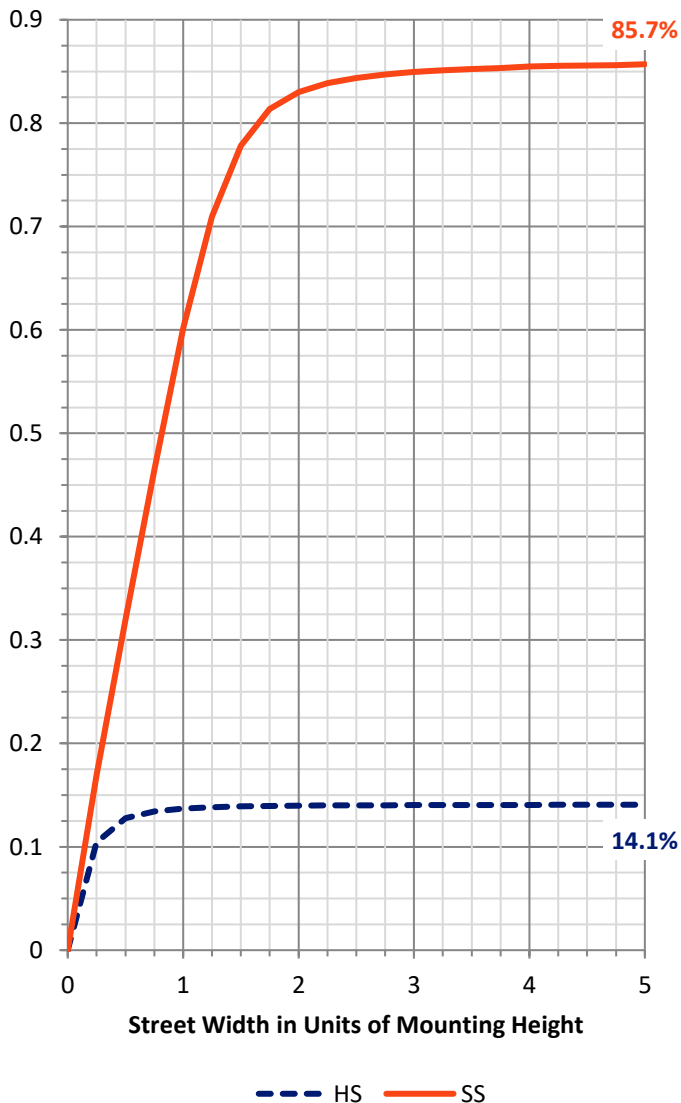
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.2	0.0	1223.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	7387.1	0.0	7387.1
	% Fixture	85.8	0.0	85.8
Total	Lumens	8610.4	0.0	8610.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	1.3
10°-20°	307.0	3.6
20°-30°	509.8	5.9
30°-40°	877.2	10.2
40°-50°	1576.3	18.3
50°-60°	2244.0	26.1
60°-70°	2045.8	23.8
70°-80°	871.2	10.1
80°-90°	64.8	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°	8610.4	100.0
0°-180°	8610.4	100.0



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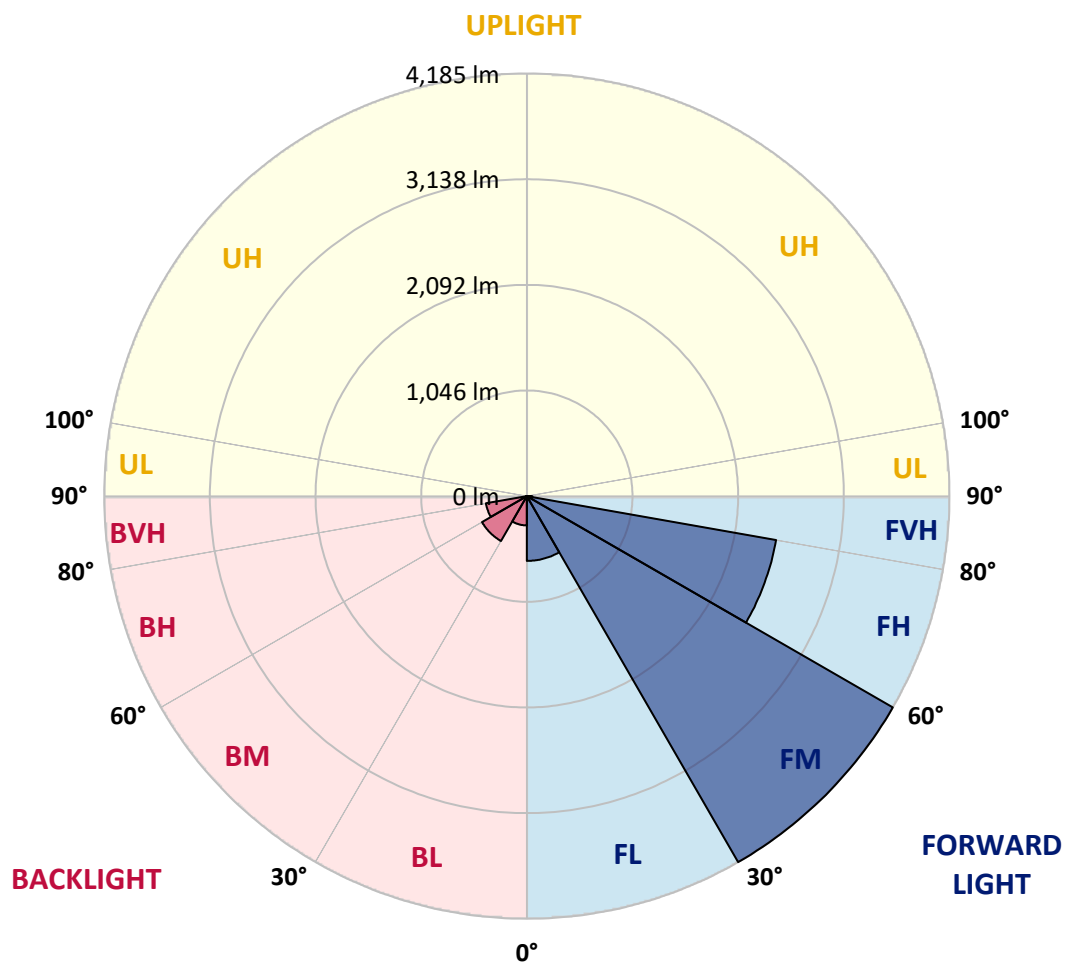
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.4	7.4			
FM (30°-60°)	4184.7	48.6			
FH (60°-80°)	2506.0	29.1			G2/5000
FVH (80°-90°)	55.1	0.6			G1/100
BL (0°-30°)	289.6	3.4	B1/500		
BM (30°-60°)	512.9	6.0	B1/1000		
BH (60°-80°)	411.0	4.8	B1/500		G1/500
BVH (80°-90°)	9.8	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1297.2	1309.5	1309.5	1305.4	1293.1	1284.9	1280.8	1272.6	1264.4	1264.4	1268.5
5°	1309.5	1297.2	1313.7	1293.1	1293.1	1293.1	1309.5	1301.3	1297.2	1276.7	1276.7
7.5°	1309.5	1297.2	1297.2	1309.5	1297.2	1305.4	1326.0	1317.8	1334.2	1297.2	1305.4
10°	1272.6	1268.5	1276.7	1293.1	1297.2	1313.7	1334.2	1375.2	1379.3	1354.7	1350.6
12.5°	1198.7	1194.6	1223.3	1231.5	1280.8	1321.9	1383.4	1416.3	1453.2	1440.9	1416.3
15°	1145.3	1153.6	1174.1	1206.9	1252.1	1326.0	1395.8	1469.6	1535.3	1518.9	1510.7
17.5°	1165.9	1161.8	1165.9	1186.4	1243.9	1317.8	1436.8	1523.0	1617.4	1617.4	1625.6
20°	1227.4	1239.8	1235.7	1223.3	1252.1	1313.7	1436.8	1588.7	1744.7	1732.4	1732.4
22.5°	1334.2	1338.3	1313.7	1305.4	1301.3	1338.3	1461.4	1670.8	1851.4	1876.1	1867.8
25°	1445.0	1449.1	1440.9	1416.3	1383.4	1391.6	1506.6	1736.5	1999.2	2040.3	2032.1
27.5°	1629.7	1625.6	1605.1	1576.4	1527.1	1490.2	1576.4	1785.7	2114.2	2183.9	2163.4
30°	1814.5	1802.2	1773.4	1736.5	1691.3	1621.5	1662.6	1880.2	2257.8	2323.5	2278.4
32.5°	2040.3	2015.6	2023.8	1966.4	1872.0	1761.1	1752.9	1966.4	2372.8	2467.2	2430.3
35°	2327.6	2298.9	2257.8	2204.5	2114.2	1966.4	1921.2	2105.9	2565.7	2635.5	2635.5
37.5°	2705.3	2734.0	2684.8	2463.1	2364.6	2225.0	2130.6	2249.6	2734.0	2902.3	2861.3
40°	3091.2	3115.8	3025.5	2861.3	2647.8	2475.4	2417.9	2483.6	2988.6	3189.7	3111.7
42.5°	3403.2	3436.0	3403.2	3189.7	3021.4	2799.7	2697.1	2758.7	3317.0	3559.2	3456.5
45°	3731.6	3764.4	3727.5	3587.9	3423.7	3296.4	3037.8	3115.8	3661.8	4023.1	3908.1
47.5°	3977.9	4019.0	3953.3	3924.5	3793.2	3772.6	3333.4	3419.6	4023.1	4491.0	4347.4
50°	4035.4	4080.5	4138.0	4170.8	4125.7	4174.9	3731.6	3805.5	4400.7	4922.1	4782.5
52.5°	3899.9	3945.1	4072.3	4224.2	4433.6	4581.4	4133.9	4195.5	4794.8	5279.2	5205.3
55°	3501.7	3542.8	3801.4	4006.6	4507.5	4749.7	4519.8	4778.4	5078.1	5652.8	5472.2
57.5°	2832.6	2881.8	3222.6	3538.6	4261.2	4655.3	4749.7	5262.8	5546.1	5927.9	5718.5
60°	2011.5	2040.3	2335.8	2894.1	3579.7	4183.2	4704.5	5624.1	5915.5	6297.3	6186.5
62.5°	1157.7	1182.3	1490.2	2015.6	2701.2	3493.5	4503.4	5964.8	6313.7	6703.7	6642.2
65°	767.7	775.9	985.2	1272.6	1757.0	2573.9	3994.3	6268.6	6707.8	7028.0	6958.2
67.5°	504.9	550.1	714.3	911.3	1124.8	1424.5	3255.4	6395.8	7159.4	7479.6	7463.2
70°	361.3	377.7	513.1	702.0	845.7	800.5	1904.8	5496.8	7138.9	7602.8	7467.3
72.5°	213.5	229.9	340.7	525.5	665.0	509.0	890.8	3887.6	5915.5	6067.4	6030.5
75°	156.0	156.0	209.4	377.7	484.4	365.4	418.7	2459.0	3928.6	4265.3	4261.2
77.5°	110.8	114.9	143.7	225.8	373.6	266.8	229.9	1367.0	2147.0	2348.2	2237.3
80°	65.7	69.8	98.5	135.5	270.9	192.9	151.9	624.0	825.1	833.3	792.3
82.5°	49.3	49.3	65.7	94.4	188.8	131.4	94.4	238.1	266.8	242.2	205.3
85°	28.7	24.6	49.3	69.8	110.8	73.9	65.7	110.8	123.2	90.3	82.1
87.5°	8.2	8.2	20.5	24.6	49.3	41.1	28.7	41.1	57.5	32.8	24.6
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°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1260.3	1248.0	1227.4	1219.2	1190.5	1178.2	1170.0	1149.4	1153.6	1141.2	1141.2
5°	1248.0	1248.0	1206.9	1161.8	1116.6	1087.9	1055.0	1014.0	1014.0	997.6	1001.7
7.5°	1293.1	1260.3	1206.9	1124.8	1050.9	985.2	956.5	915.5	890.8	878.5	878.5
10°	1321.9	1289.0	1198.7	1100.2	1005.8	923.7	862.1	804.6	771.8	771.8	767.7
12.5°	1399.9	1350.6	1231.5	1096.1	956.5	833.3	738.9	673.2	628.1	595.2	603.5
15°	1465.5	1412.2	1248.0	1063.2	870.3	697.9	582.9	459.8	398.2	365.4	353.0
17.5°	1568.2	1469.6	1284.9	1005.8	738.9	546.0	377.7	275.0	250.4	246.3	246.3
20°	1654.4	1539.4	1289.0	894.9	607.6	348.9	242.2	225.8	213.5	209.4	205.3
22.5°	1773.4	1629.7	1272.6	767.7	435.1	234.0	205.3	188.8	180.6	168.3	168.3
25°	1896.6	1748.8	1239.8	648.6	266.8	201.2	180.6	164.2	147.8	139.6	143.7
27.5°	2028.0	1839.1	1145.3	504.9	205.3	176.5	147.8	135.5	127.3	123.2	123.2
30°	2134.7	1896.6	1005.8	336.6	184.7	156.0	131.4	119.0	110.8	106.7	106.7
32.5°	2212.7	1945.8	849.8	225.8	168.3	139.6	119.0	106.7	98.5	94.4	94.4
35°	2344.0	1982.8	706.1	192.9	151.9	123.2	102.6	94.4	86.2	86.2	86.2
37.5°	2545.2	2032.1	562.4	176.5	139.6	110.8	98.5	86.2	82.1	78.0	78.0
40°	2721.7	2093.6	402.3	160.1	127.3	102.6	86.2	78.0	73.9	69.8	69.8
42.5°	2976.2	2163.4	262.7	143.7	114.9	94.4	78.0	69.8	65.7	61.6	61.6
45°	3300.6	2278.4	205.3	127.3	102.6	86.2	73.9	65.7	57.5	57.5	53.4
47.5°	3645.4	2417.9	184.7	119.0	94.4	78.0	65.7	57.5	53.4	49.3	49.3
50°	3965.6	2553.4	172.4	110.8	86.2	73.9	61.6	53.4	45.2	41.1	41.1
52.5°	4252.9	2680.7	164.2	102.6	82.1	65.7	53.4	45.2	41.1	36.9	36.9
55°	4404.8	2738.1	160.1	98.5	73.9	61.6	49.3	41.1	36.9	32.8	32.8
57.5°	4642.9	2812.0	156.0	94.4	69.8	53.4	45.2	36.9	32.8	28.7	28.7
60°	5028.8	3054.2	151.9	90.3	65.7	53.4	41.1	32.8	24.6	20.5	20.5
62.5°	5349.0	3255.4	135.5	78.0	57.5	45.2	32.8	24.6	16.4	12.3	12.3
65°	5714.4	3349.8	119.0	69.8	49.3	36.9	24.6	16.4	12.3	4.1	4.1
67.5°	6112.6	3493.5	98.5	61.6	45.2	28.7	20.5	12.3	4.1	0.0	0.0
70°	5903.2	3312.9	82.1	53.4	41.1	24.6	16.4	8.2	0.0	0.0	0.0
72.5°	4626.5	2372.8	65.7	49.3	36.9	24.6	16.4	4.1	0.0	0.0	0.0
75°	3091.2	1342.4	57.5	41.1	28.7	20.5	12.3	4.1	0.0	0.0	0.0
77.5°	1679.0	603.5	49.3	36.9	24.6	16.4	12.3	4.1	0.0	0.0	0.0
80°	546.0	238.1	41.1	32.8	24.6	16.4	12.3	4.1	0.0	0.0	0.0
82.5°	147.8	73.9	41.1	32.8	24.6	16.4	12.3	4.1	0.0	0.0	0.0
85°	61.6	49.3	41.1	32.8	24.6	16.4	12.3	4.1	0.0	0.0	0.0
87.5°	24.6	16.4	16.4	20.5	16.4	12.3	8.2	4.1	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°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1145.3	1153.6	1157.7	1157.7	1178.2	1198.7	1223.3	1243.9	1243.9	1256.2	1268.5
5°	1005.8	1014.0	1026.3	1063.2	1104.3	1149.4	1194.6	1227.4	1272.6	1293.1	1305.4
7.5°	890.8	899.0	931.9	968.8	1026.3	1104.3	1182.3	1256.2	1301.3	1321.9	1338.3
10°	771.8	784.1	821.0	886.7	960.6	1055.0	1145.3	1272.6	1346.5	1387.5	1404.0
12.5°	599.4	632.2	681.5	751.2	845.7	989.3	1157.7	1289.0	1416.3	1465.5	1498.4
15°	377.7	406.4	484.4	595.2	722.5	890.8	1124.8	1313.7	1490.2	1539.4	1592.8
17.5°	242.2	246.3	270.9	390.0	554.2	767.7	1075.6	1350.6	1572.3	1642.1	1724.2
20°	205.3	213.5	217.6	234.0	369.5	632.2	972.9	1395.8	1670.8	1765.2	1843.2
22.5°	172.4	176.5	184.7	197.0	221.7	459.8	833.3	1395.8	1757.0	1896.6	1986.9
25°	139.6	147.8	156.0	168.3	192.9	287.4	689.7	1371.1	1859.6	2032.1	2147.0
27.5°	123.2	123.2	131.4	143.7	164.2	201.2	546.0	1297.2	1937.6	2114.2	2266.0
30°	106.7	110.8	114.9	127.3	147.8	176.5	377.7	1178.2	2019.7	2274.3	2446.7
32.5°	94.4	94.4	102.6	110.8	131.4	160.1	242.2	997.6	2126.5	2397.4	2639.6
35°	86.2	86.2	90.3	98.5	119.0	143.7	188.8	845.7	2253.7	2631.4	2898.2
37.5°	78.0	78.0	82.1	90.3	106.7	127.3	172.4	726.6	2385.1	2865.4	3255.4
40°	69.8	69.8	73.9	82.1	94.4	114.9	156.0	587.0	2549.3	3210.2	3645.4
42.5°	61.6	61.6	65.7	73.9	86.2	102.6	135.5	439.3	2766.9	3583.8	4150.3
45°	53.4	53.4	57.5	65.7	73.9	94.4	123.2	336.6	3005.0	3998.4	4593.7
47.5°	45.2	49.3	53.4	61.6	69.8	86.2	110.8	295.6	3239.0	4437.7	5086.3
50°	41.1	41.1	45.2	53.4	65.7	78.0	102.6	291.5	3477.1	4774.3	5591.2
52.5°	36.9	36.9	41.1	49.3	61.6	73.9	98.5	299.7	3674.1	5086.3	5944.3
55°	32.8	32.8	36.9	41.1	53.4	69.8	90.3	307.9	3813.7	5402.4	6227.5
57.5°	28.7	28.7	32.8	41.1	49.3	61.6	82.1	316.1	4039.5	5714.4	6638.0
60°	20.5	20.5	28.7	36.9	45.2	53.4	78.0	324.3	4400.7	6145.4	6987.0
62.5°	12.3	12.3	16.4	28.7	36.9	49.3	69.8	307.9	4737.4	6699.6	7520.7
65°	4.1	8.2	12.3	16.4	28.7	41.1	57.5	279.2	5020.6	7253.8	8013.3
67.5°	0.0	0.0	4.1	12.3	24.6	32.8	49.3	205.3	5065.8	7504.2	8518.2
70°	0.0	0.0	4.1	12.3	20.5	32.8	45.2	114.9	4314.5	6703.7	7808.0
72.5°	0.0	0.0	0.0	8.2	20.5	28.7	41.1	86.2	3181.5	5053.5	6170.1
75°	0.0	0.0	0.0	4.1	16.4	24.6	36.9	65.7	1933.5	3370.3	4027.2
77.5°	0.0	0.0	0.0	4.1	12.3	24.6	36.9	57.5	681.5	1605.1	1892.5
80°	0.0	0.0	0.0	8.2	16.4	24.6	32.8	49.3	164.2	402.3	541.9
82.5°	0.0	0.0	0.0	4.1	12.3	20.5	28.7	41.1	65.7	119.0	188.8
85°	0.0	0.0	0.0	4.1	8.2	20.5	28.7	36.9	45.2	57.5	82.1
87.5°	0.0	0.0	0.0	0.0	4.1	8.2	12.3	16.4	16.4	16.4	28.7
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°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1264.4	1280.8	1289.0	1305.4	1313.7	1309.5	1305.4	1317.8	1309.5	1297.2
5°	1309.5	1309.5	1321.9	1326.0	1326.0	1313.7	1321.9	1317.8	1309.5	1309.5
7.5°	1358.8	1379.3	1379.3	1354.7	1350.6	1342.4	1342.4	1309.5	1297.2	1309.5
10°	1408.1	1424.5	1428.6	1399.9	1362.9	1346.5	1326.0	1284.9	1264.4	1272.6
12.5°	1510.7	1510.7	1465.5	1432.7	1383.4	1326.0	1276.7	1219.2	1190.5	1198.7
15°	1584.6	1601.0	1539.4	1465.5	1379.3	1272.6	1219.2	1174.1	1157.7	1145.3
17.5°	1728.3	1695.4	1596.9	1490.2	1367.0	1256.2	1219.2	1178.2	1165.9	1165.9
20°	1851.4	1835.0	1687.2	1494.3	1362.9	1289.0	1264.4	1243.9	1239.8	1227.4
22.5°	2019.7	1945.8	1757.0	1539.4	1408.1	1342.4	1334.2	1354.7	1342.4	1334.2
25°	2147.0	2085.4	1810.4	1605.1	1477.9	1457.3	1469.6	1490.2	1457.3	1445.0
27.5°	2319.4	2204.5	1913.0	1691.3	1572.3	1592.8	1633.9	1638.0	1617.4	1629.7
30°	2479.5	2356.4	1991.0	1789.9	1732.4	1752.9	1814.5	1859.6	1830.9	1814.5
32.5°	2709.4	2520.6	2147.0	1954.1	1933.5	1986.9	2056.7	2085.4	2048.5	2040.3
35°	2951.6	2709.4	2307.1	2138.8	2175.7	2249.6	2311.2	2360.5	2303.0	2327.6
37.5°	3329.3	3013.2	2578.0	2430.3	2446.7	2475.4	2590.4	2725.8	2754.6	2705.3
40°	3723.4	3341.6	2828.5	2713.5	2750.5	2828.5	2963.9	3091.2	3156.9	3091.2
42.5°	4179.1	3657.7	3214.3	3078.9	3115.8	3226.7	3407.3	3509.9	3501.7	3403.2
45°	4741.5	4097.0	3575.6	3407.3	3542.8	3641.3	3821.9	3834.2	3756.2	3731.6
47.5°	5172.5	4466.4	3965.6	3858.9	4043.6	4047.7	4088.7	4092.8	4006.6	3977.9
50°	5648.7	4893.4	4400.7	4244.7	4556.7	4413.0	4302.2	4228.3	4097.0	4035.4
52.5°	6116.7	5197.1	4803.0	4642.9	4967.2	4585.5	4384.3	4158.5	3965.6	3899.9
55°	6367.1	5698.0	5390.1	5016.5	5057.6	4634.7	4129.8	3846.5	3518.1	3501.7
57.5°	6662.7	6034.6	5886.8	5271.0	4905.7	4289.9	3600.2	3226.7	2873.6	2832.6
60°	7011.6	6568.3	6412.3	5230.0	4367.9	3604.3	2853.1	2372.8	2040.3	2011.5
62.5°	7401.6	7200.5	6736.6	4827.7	3468.9	2537.0	1884.3	1482.0	1174.1	1157.7
65°	8017.4	7730.0	6909.0	4064.1	2294.8	1625.6	1252.1	960.6	775.9	767.7
67.5°	8403.3	7931.2	6523.1	2898.2	1272.6	1075.6	878.5	697.9	537.8	504.9
70°	7857.3	7278.5	5160.2	1658.5	738.9	816.9	677.4	468.0	369.5	361.3
72.5°	6276.8	5402.4	3473.0	780.0	459.8	640.4	492.6	316.1	221.7	213.5
75°	4281.7	3399.1	2179.8	361.3	324.3	468.0	361.3	184.7	156.0	156.0
77.5°	1913.0	1732.4	1116.6	221.7	242.2	357.1	209.4	127.3	114.9	110.8
80°	582.9	611.7	455.7	151.9	180.6	270.9	127.3	86.2	69.8	65.7
82.5°	197.0	229.9	205.3	90.3	123.2	192.9	86.2	57.5	49.3	49.3
85°	94.4	114.9	102.6	57.5	65.7	94.4	69.8	45.2	28.7	28.7
87.5°	36.9	53.4	36.9	24.6	36.9	49.3	28.7	20.5	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)