

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: P674707

Luminaire Tested: **CCP-SA-1F-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674707
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

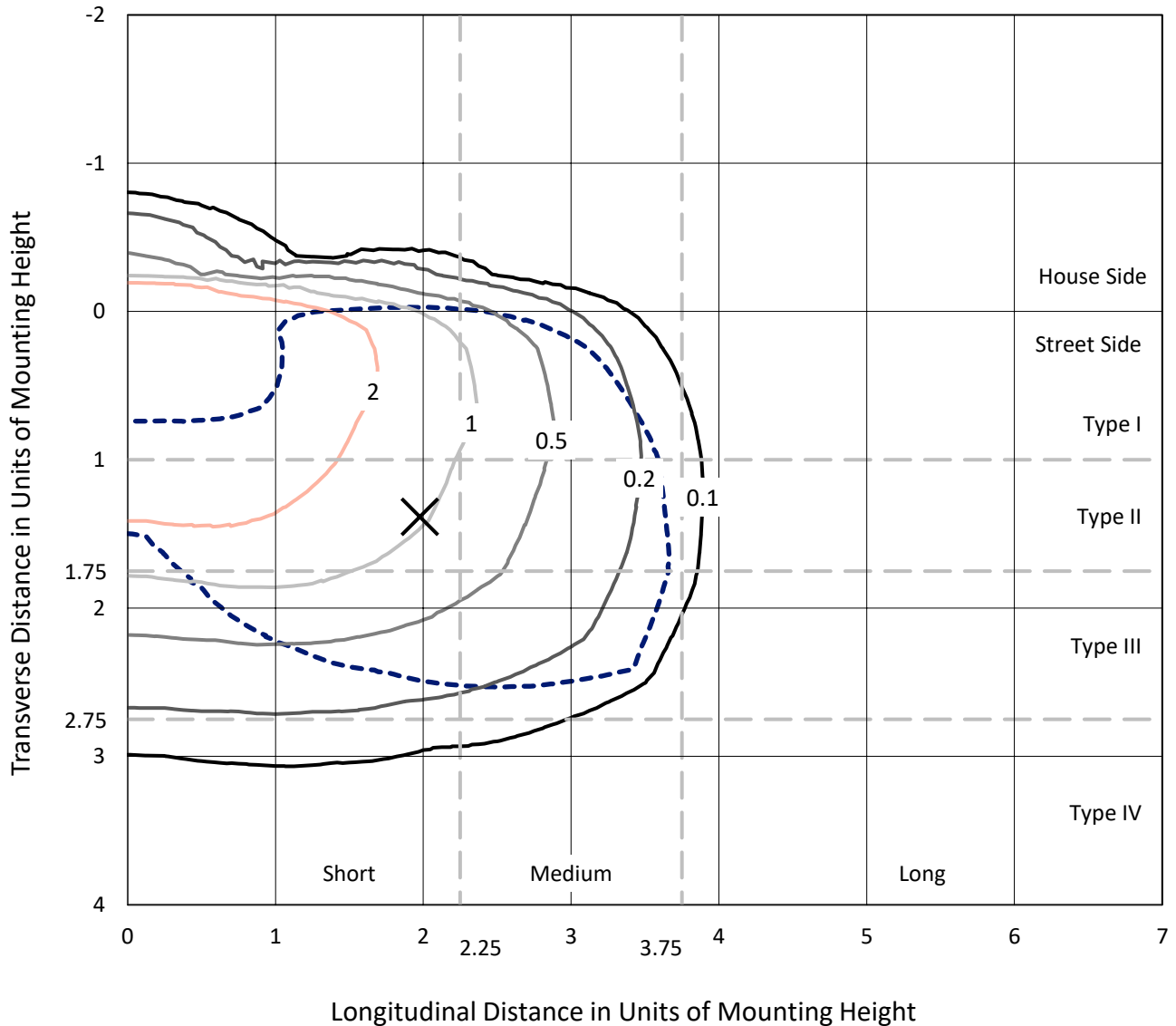
Lumens per Lamp: N/A
Luminaire Lumens: 5946.3 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

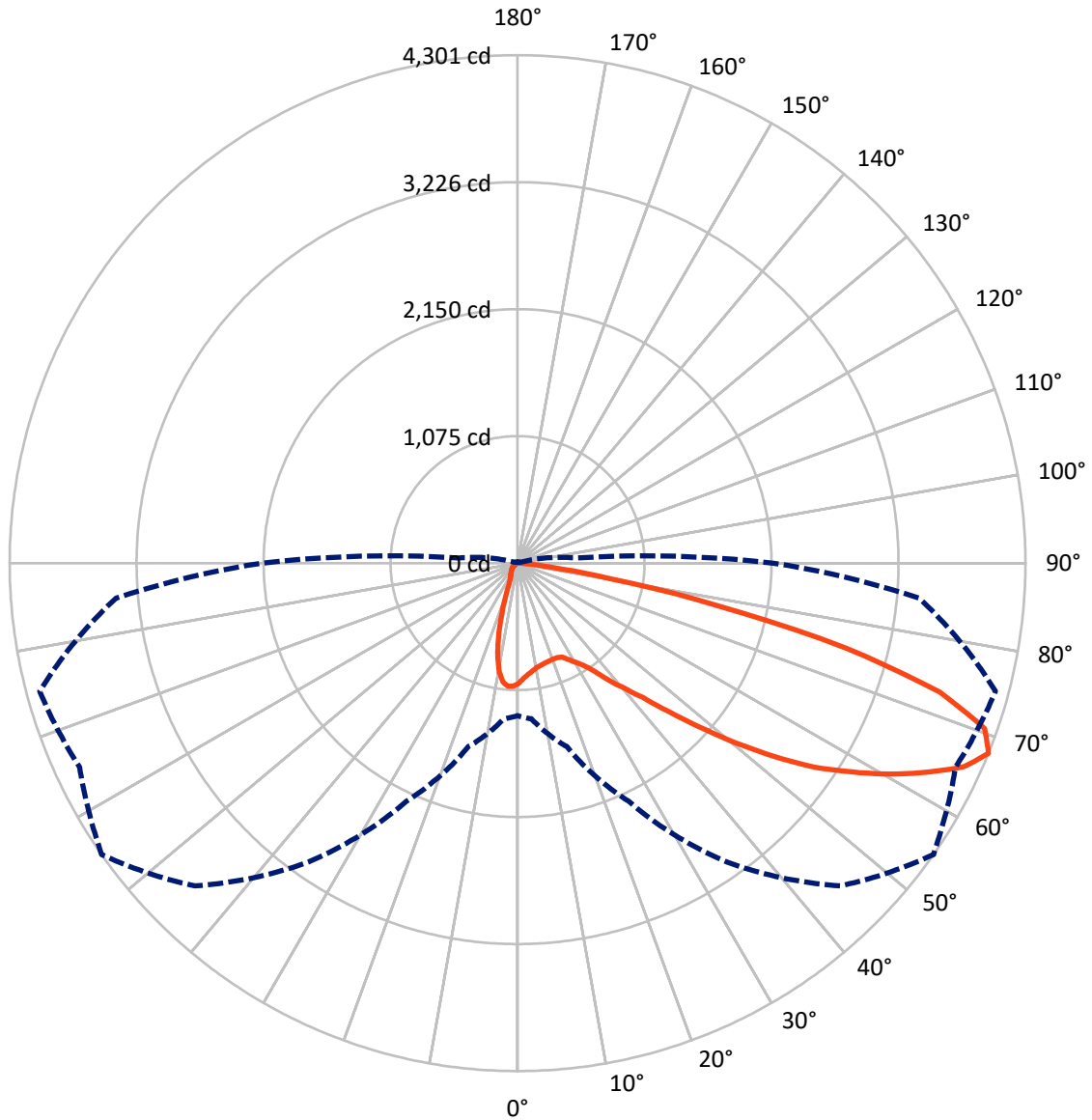
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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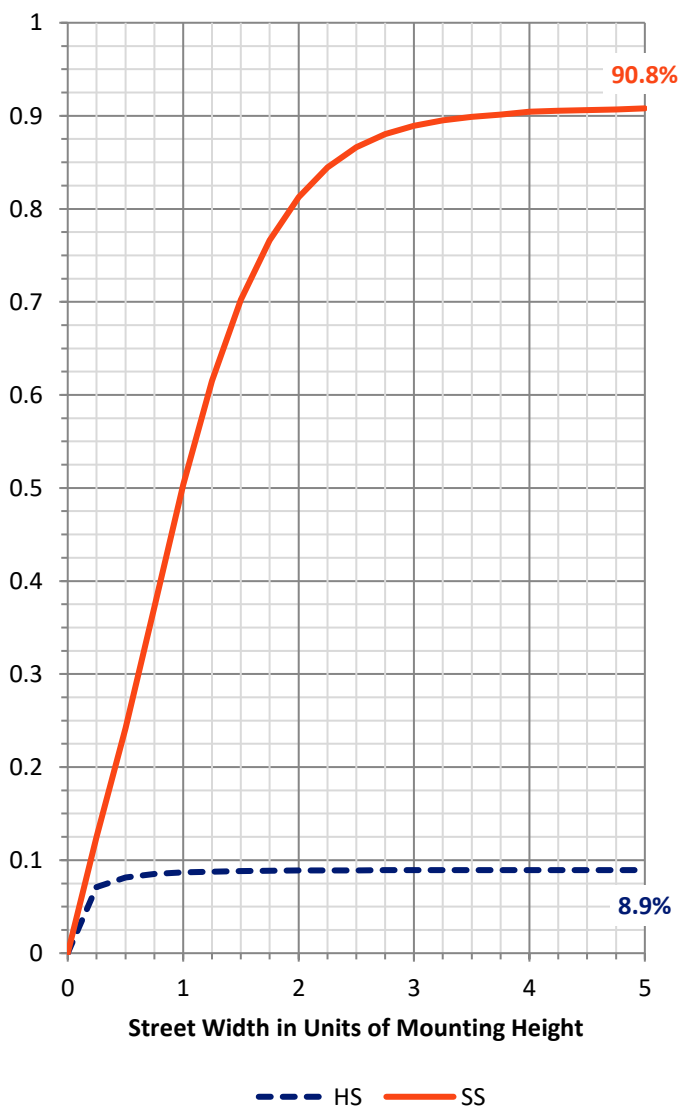
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.2	0.0	534.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5412.2	0.0	5412.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	5946.3	0.0	5946.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.5
10°-20°	203.6	3.4
20°-30°	326.7	5.5
30°-40°	566.6	9.5
40°-50°	944.8	15.9
50°-60°	1381.6	23.2
60°-70°	1610.9	27.1
70°-80°	781.8	13.1
80°-90°	40.9	0.7
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°	5946.3	100.0
0°-180°	5946.3	100.0



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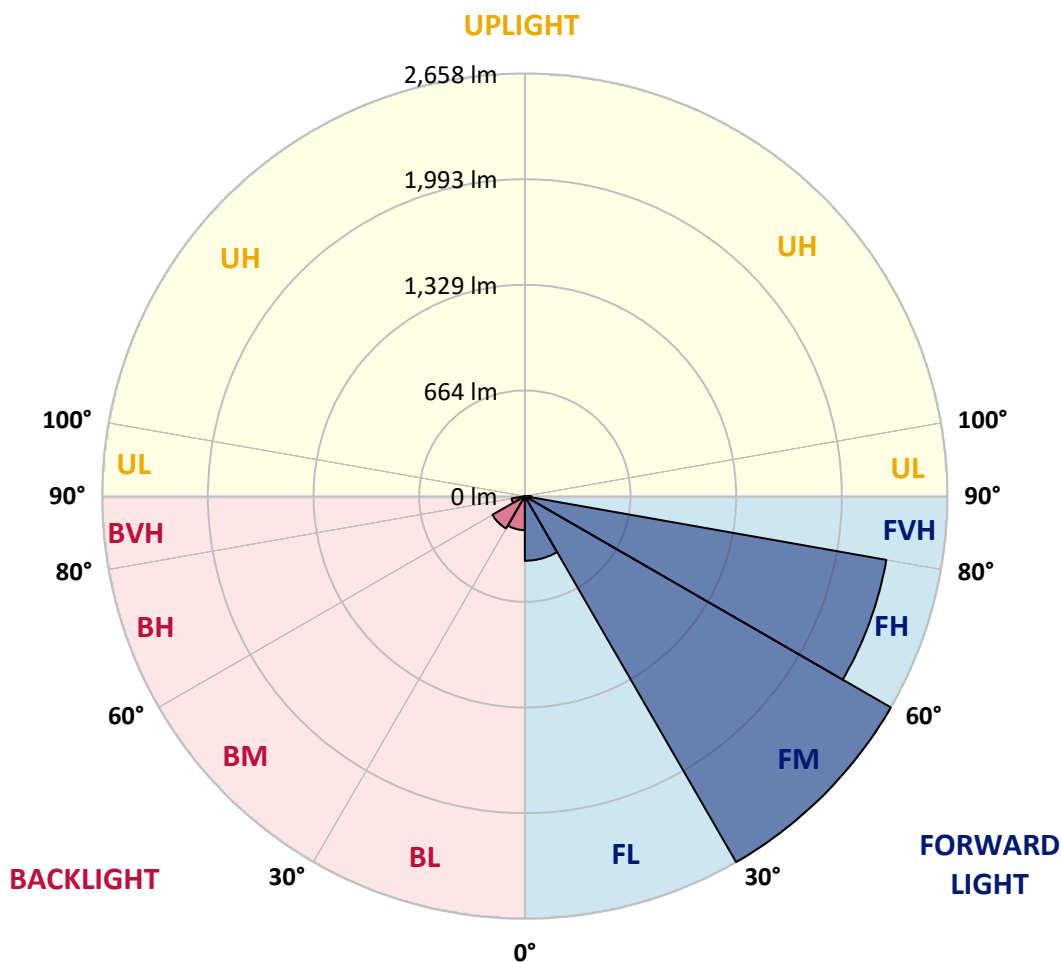
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.2	6.8			
FM (30°-60°)	2657.8	44.7			
FH (60°-80°)	2308.5	38.8			G2/5000
FVH (80°-90°)	39.7	0.7			G1/100
BL (0°-30°)	213.5	3.6	B1/500		
BM (30°-60°)	235.2	4.0	B1/1000		
BH (60°-80°)	84.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0
2.5°	940.7	946.7	954.4	957.1	966.4	979.6	975.8	973.0	987.8	1008.1	1014.7
5°	882.1	882.6	894.7	903.4	919.3	931.9	945.6	944.5	971.4	1005.9	1027.8
7.5°	824.5	825.6	838.2	851.9	874.9	899.6	920.4	919.3	962.6	1008.6	1050.3
10°	748.9	754.4	769.8	793.9	830.0	868.9	898.0	900.7	952.7	1019.0	1080.9
12.5°	688.1	690.9	707.8	739.1	781.8	832.8	887.0	885.4	954.9	1038.2	1120.9
15°	662.4	660.7	671.1	694.1	742.9	807.0	876.0	879.9	962.6	1060.1	1162.6
17.5°	668.4	666.8	672.2	680.5	715.0	785.6	870.0	876.6	974.7	1083.1	1201.5
20°	735.2	723.7	713.9	705.1	710.0	768.1	866.2	873.3	981.8	1100.7	1242.6
22.5°	864.0	849.7	823.4	774.7	742.4	769.2	867.3	876.6	997.7	1129.2	1292.4
25°	1073.8	1060.1	1003.7	904.0	818.5	808.7	882.1	891.9	1034.4	1172.4	1345.6
27.5°	1351.6	1320.9	1252.4	1109.4	944.5	871.7	926.4	937.4	1086.4	1205.9	1381.7
30°	1582.2	1575.1	1509.4	1334.1	1118.2	964.2	976.3	982.3	1110.0	1226.1	1417.9
32.5°	1821.7	1806.9	1746.6	1576.2	1319.8	1096.3	1032.2	1034.9	1140.7	1256.3	1470.5
35°	2029.8	2016.2	1965.7	1800.3	1555.4	1273.8	1124.8	1118.7	1204.2	1322.6	1541.7
37.5°	2222.7	2221.1	2176.7	2007.9	1766.9	1457.9	1261.2	1256.3	1303.4	1395.4	1638.1
40°	2411.2	2406.8	2369.0	2215.0	1975.1	1641.4	1391.0	1378.4	1387.7	1497.3	1765.2
42.5°	2526.8	2536.1	2549.2	2451.7	2222.2	1856.7	1555.4	1547.7	1546.1	1656.8	1932.3
45°	2589.2	2605.7	2682.9	2674.1	2484.0	2124.6	1789.3	1769.6	1763.0	1875.9	2123.5
47.5°	2650.0	2657.2	2783.7	2836.9	2735.0	2404.0	2072.0	2044.6	2017.8	2143.3	2352.0
50°	2653.9	2665.4	2822.1	2951.4	2945.3	2679.1	2389.2	2365.1	2334.5	2468.7	2575.0
52.5°	2600.2	2623.2	2817.1	3023.7	3075.7	2921.8	2718.5	2698.8	2673.6	2773.9	2762.9
55°	2229.3	2268.2	2720.7	3030.3	3167.2	3130.0	3049.4	3022.0	2997.4	3068.6	2947.0
57.5°	2052.9	2074.8	2428.1	3025.3	3283.9	3322.8	3336.5	3323.9	3289.4	3378.2	3139.3
60°	1947.1	1978.9	2288.4	2970.5	3409.9	3540.9	3626.9	3601.7	3559.5	3681.7	3345.3
62.5°	1820.6	1843.6	2149.3	2812.8	3485.0	3762.8	3899.2	3876.2	3789.1	3961.6	3511.8
65°	1587.2	1621.7	1927.9	2564.6	3384.2	3925.5	4155.6	4147.9	3996.7	4173.1	3557.3
67.5°	1291.9	1323.1	1608.5	2224.3	3089.4	3864.7	4300.8	4276.7	4090.9	4189.0	3413.2
70°	969.7	986.7	1202.0	1699.5	2531.1	3539.8	4195.6	4190.6	3947.9	3953.4	2971.1
72.5°	520.5	567.6	799.3	1137.4	1780.0	2867.0	3739.2	3719.5	3522.2	3237.9	2136.7
75°	181.9	195.6	425.7	638.8	967.0	1909.9	2875.2	2829.2	2634.1	2106.0	1164.2
77.5°	111.8	122.7	189.0	326.5	376.4	828.9	1727.4	1667.7	1541.7	910.6	397.8
80°	77.2	87.1	126.6	170.9	128.2	268.5	795.0	772.5	594.4	217.0	91.5
82.5°	43.3	52.0	95.9	83.8	51.5	69.6	275.6	255.3	158.3	58.6	30.7
85°	25.2	30.1	67.4	59.2	26.3	24.7	71.8	64.1	41.1	21.9	14.8
87.5°	13.1	17.0	49.3	39.4	15.9	8.8	16.4	15.9	10.4	7.7	9.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0
2.5°	1026.7	1024.0	1038.2	1043.1	1042.0	1039.9	1045.3	1038.2	1037.7	1036.0	1034.4
5°	1045.3	1049.7	1061.2	1061.2	1045.9	1020.7	1005.3	984.5	967.0	956.6	954.9
7.5°	1073.3	1082.0	1089.7	1066.1	1013.6	951.1	884.8	832.8	787.3	763.7	761.5
10°	1112.7	1120.9	1114.9	1047.5	934.7	805.4	697.4	589.0	534.7	505.1	505.1
12.5°	1159.8	1166.4	1129.7	1001.0	804.8	617.4	473.4	359.4	305.2	270.1	267.9
15°	1210.8	1212.4	1127.5	919.9	644.3	414.7	271.7	199.4	176.4	171.5	170.4
17.5°	1255.2	1248.6	1104.5	799.9	464.0	247.1	172.6	156.1	151.8	151.8	151.8
20°	1296.8	1274.9	1058.5	660.2	297.5	168.2	148.5	144.1	144.1	144.6	144.6
22.5°	1342.8	1299.5	992.7	505.1	191.2	144.1	139.2	137.0	136.4	138.1	137.5
25°	1397.1	1323.6	898.5	349.0	147.9	134.2	132.0	129.8	129.8	129.8	129.8
27.5°	1427.2	1320.4	791.1	220.2	129.3	124.4	122.2	120.0	118.3	117.8	118.3
30°	1453.5	1301.2	650.9	154.0	116.7	111.2	109.6	106.8	103.5	102.5	102.5
32.5°	1488.0	1285.3	504.0	123.8	105.7	99.7	94.8	90.4	84.9	82.7	82.2
35°	1526.4	1256.3	369.3	109.0	95.9	88.2	80.5	73.4	66.3	64.1	63.6
37.5°	1574.0	1230.0	250.4	100.8	87.7	78.3	67.9	58.1	51.5	50.4	50.4
40°	1638.7	1208.0	173.1	93.7	80.0	69.0	56.4	46.0	41.6	40.5	40.5
42.5°	1726.9	1190.0	130.9	87.7	73.4	59.7	45.5	37.8	34.5	33.4	33.4
45°	1831.0	1162.0	110.7	82.2	66.8	50.4	37.8	31.8	30.1	30.1	30.1
47.5°	1950.4	1127.0	100.8	76.7	59.7	41.1	31.8	29.0	28.5	28.5	29.0
50°	2070.9	1085.3	93.7	70.1	51.5	35.1	29.0	27.4	27.4	27.9	27.9
52.5°	2152.6	1020.1	86.6	63.0	43.3	30.7	27.4	26.8	26.3	26.3	26.3
55°	2232.0	963.2	76.7	55.3	36.2	28.5	26.3	25.7	25.7	25.2	25.2
57.5°	2314.7	918.2	64.1	46.0	30.7	26.8	25.2	25.2	24.1	23.6	23.6
60°	2410.6	878.8	49.3	36.2	26.8	25.2	23.6	23.0	21.9	20.8	20.8
62.5°	2438.6	795.5	37.3	29.0	23.0	21.9	21.4	20.3	17.5	15.3	15.9
65°	2365.7	664.6	29.6	23.0	18.6	18.6	17.0	14.2	11.5	9.9	9.9
67.5°	2164.6	496.4	24.1	18.1	14.8	14.2	12.1	10.4	7.1	6.0	6.0
70°	1783.9	328.2	19.7	14.2	12.1	9.9	8.2	7.7	5.5	4.4	4.4
72.5°	1250.2	178.1	16.4	11.5	8.8	6.6	5.5	4.9	3.8	3.3	2.7
75°	660.2	68.5	13.1	8.8	5.5	4.4	3.3	3.3	2.7	2.2	2.2
77.5°	226.3	29.0	9.3	4.9	3.8	2.7	2.2	1.6	2.2	1.6	1.6
80°	53.7	17.0	6.0	3.3	2.2	1.6	1.6	1.1	1.1	1.1	1.1
82.5°	23.6	9.9	3.8	2.2	2.2	1.6	1.1	0.5	0.5	0.5	0.5
85°	15.9	6.0	2.7	2.2	1.6	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	12.6	3.8	2.2	2.2	1.6	1.1	0.5	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

(END OF REPORT)