

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: P674688

Luminaire Tested: **CCP-SA-2C-730-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674688
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-730-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

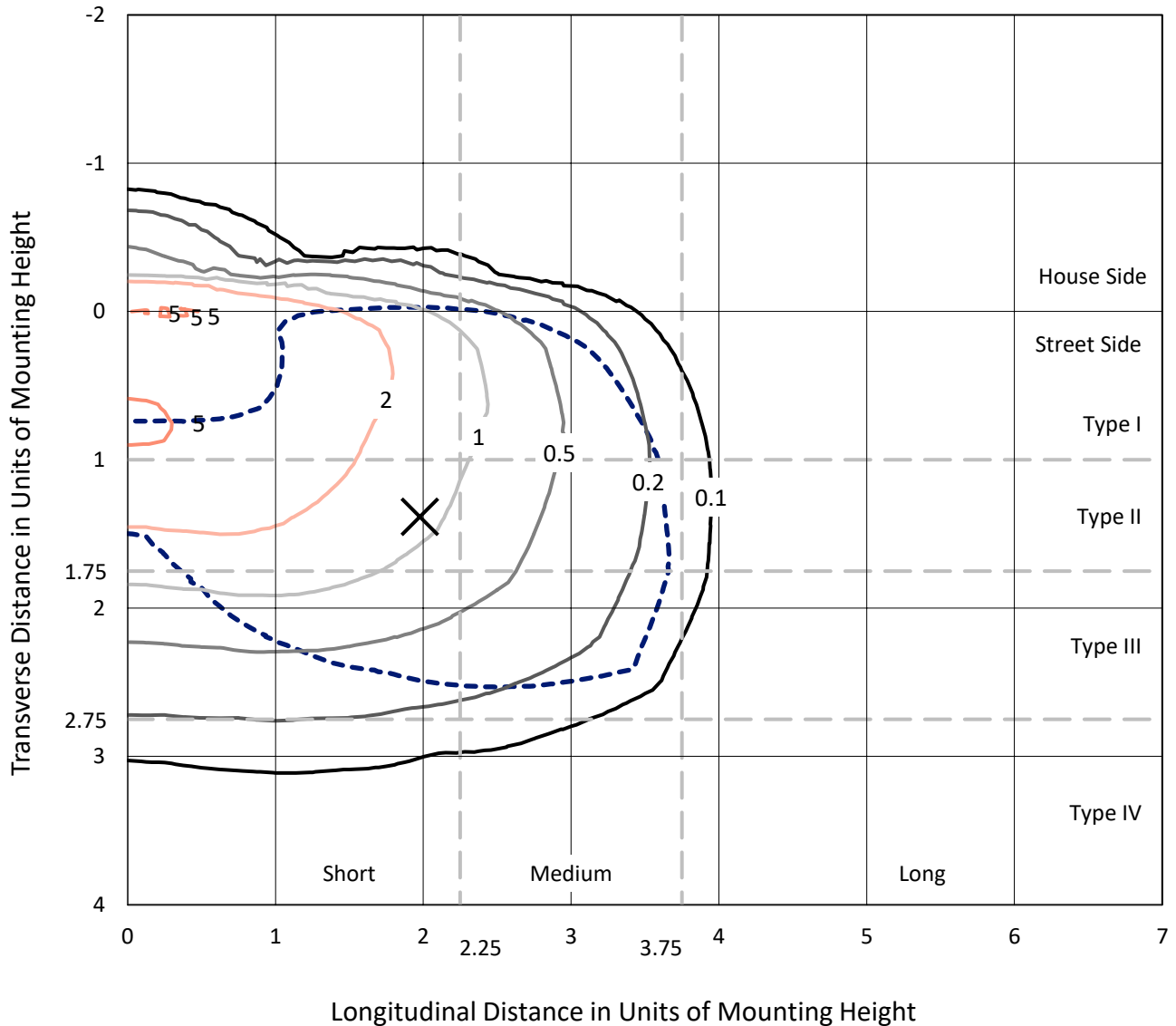
Lumens per Lamp: N/A
Luminaire Lumens: 6529.7 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

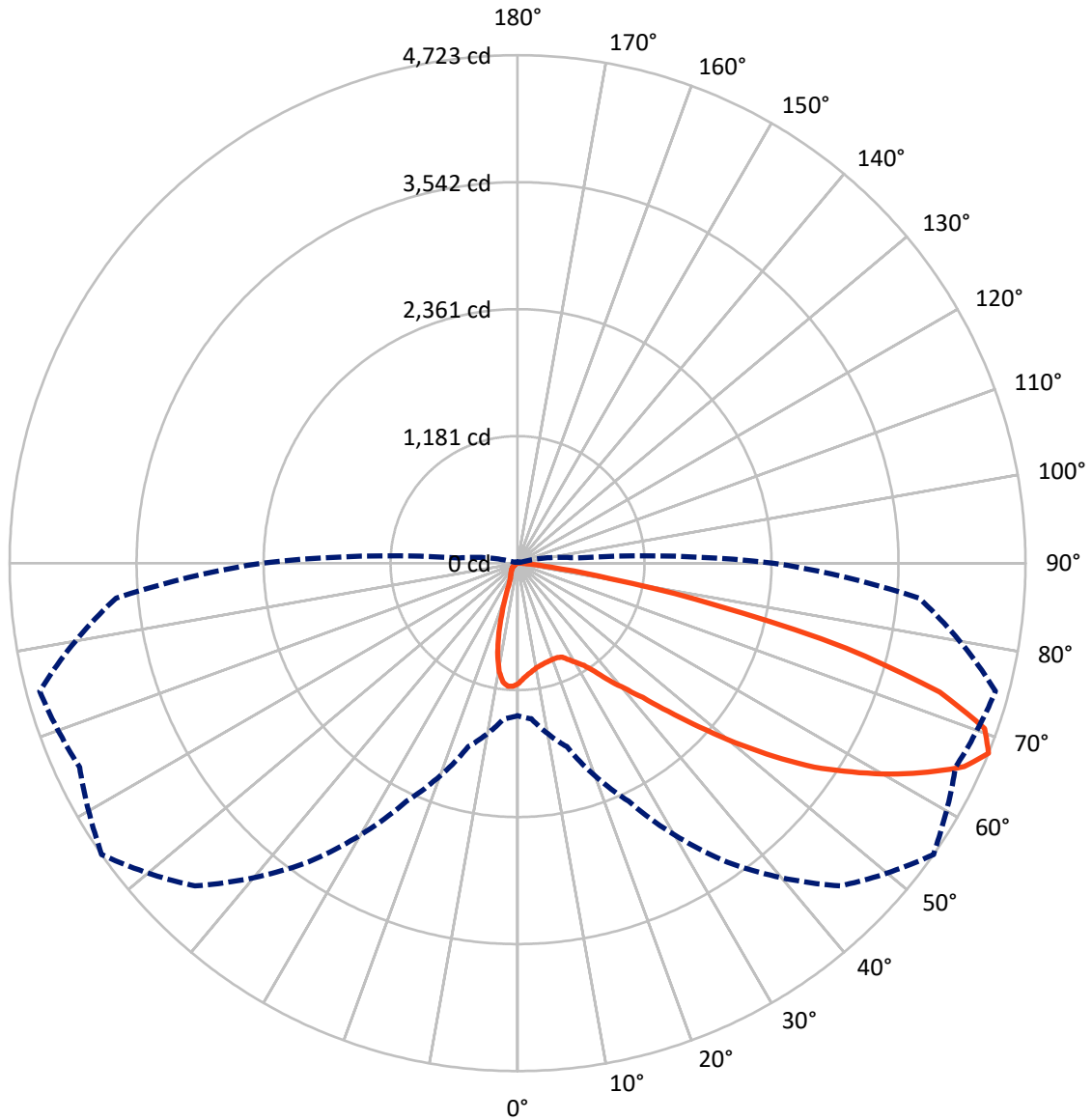
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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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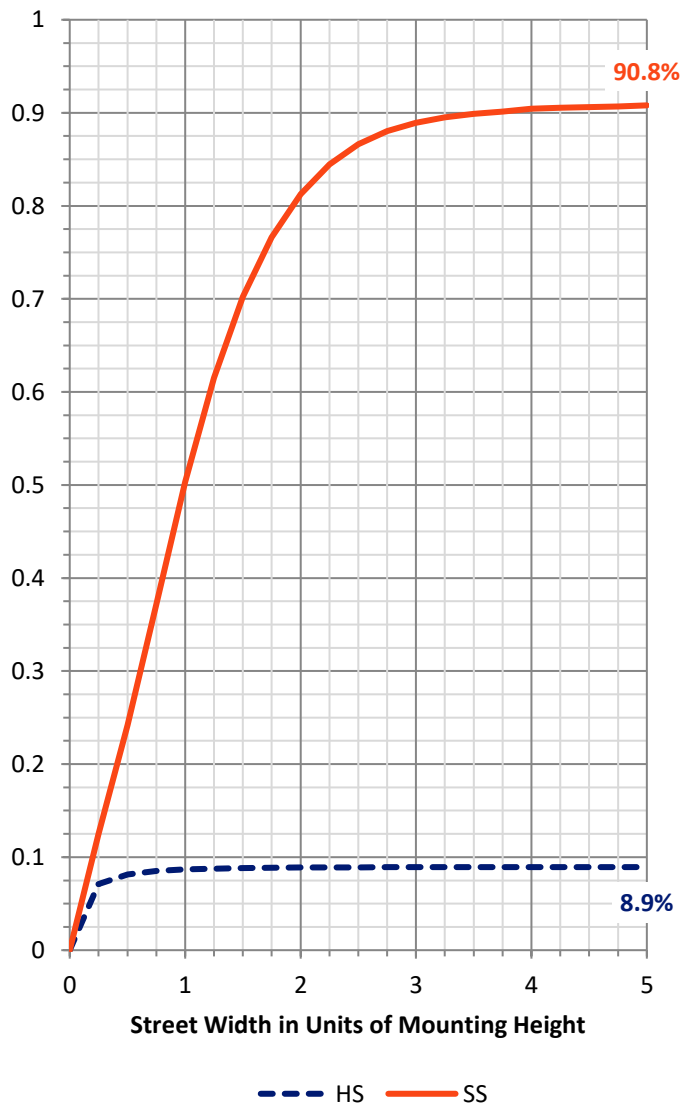
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.6	0.0	586.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5943.1	0.0	5943.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	6529.7	0.0	6529.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.5
10°-20°	223.6	3.4
20°-30°	358.7	5.5
30°-40°	622.2	9.5
40°-50°	1037.5	15.9
50°-60°	1517.1	23.2
60°-70°	1769.0	27.1
70°-80°	858.5	13.1
80°-90°	44.9	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°	6529.7	100.0
0°-180°	6529.7	100.0



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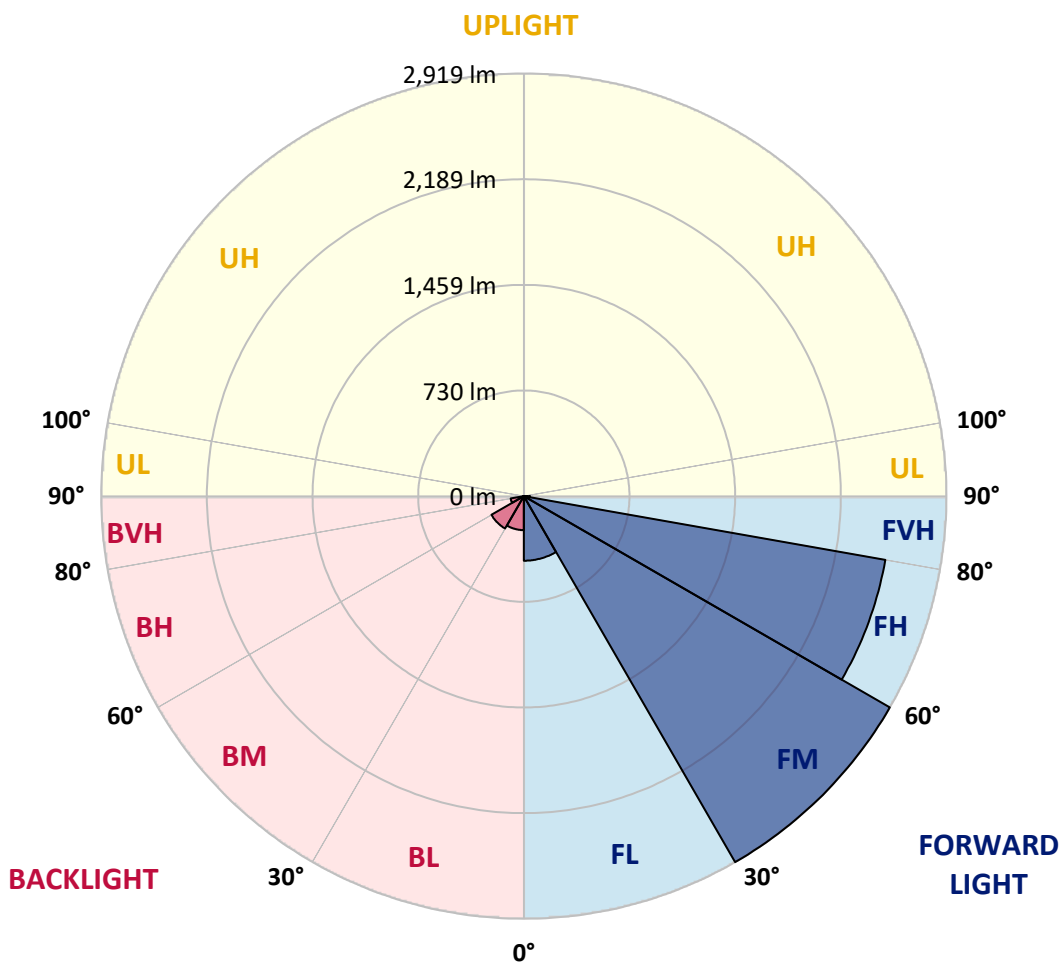
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.1	6.8			
FM (30°-60°)	2918.5	44.7			
FH (60°-80°)	2534.9	38.8			G2/5000
FVH (80°-90°)	43.6	0.7			G1/100
BL (0°-30°)	234.5	3.6	B1/500		
BM (30°-60°)	258.3	4.0	B1/1000		
BH (60°-80°)	92.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
2.5°	1033.0	1039.6	1048.0	1051.0	1061.2	1075.7	1071.5	1068.5	1084.7	1107.0	1114.2
5°	968.6	969.2	982.4	992.1	1009.5	1023.3	1038.4	1037.2	1066.7	1104.6	1128.6
7.5°	905.4	906.6	920.5	935.5	960.8	987.9	1010.7	1009.5	1057.0	1107.6	1153.3
10°	822.4	828.4	845.3	871.7	911.4	954.2	986.0	989.1	1046.2	1119.0	1187.0
12.5°	755.6	758.6	777.3	811.6	858.5	914.5	974.0	972.2	1048.6	1140.1	1230.9
15°	727.4	725.5	737.0	762.2	815.8	886.2	962.0	966.2	1057.0	1164.1	1276.6
17.5°	734.0	732.2	738.2	747.2	785.1	862.7	955.4	962.6	1070.3	1189.4	1319.3
20°	807.4	794.7	783.9	774.3	779.7	843.5	951.2	959.0	1078.1	1208.6	1364.5
22.5°	948.7	933.1	904.2	850.7	815.2	844.7	952.4	962.6	1095.5	1239.9	1419.2
25°	1179.2	1164.1	1102.2	992.7	898.8	888.0	968.6	979.4	1135.8	1287.5	1477.6
27.5°	1484.2	1450.5	1375.3	1218.3	1037.2	957.2	1017.3	1029.4	1193.0	1324.2	1517.3
30°	1737.5	1729.6	1657.4	1464.9	1227.9	1058.8	1072.1	1078.7	1218.9	1346.4	1557.0
32.5°	2000.4	1984.1	1917.9	1730.8	1449.3	1203.8	1133.4	1136.4	1252.6	1379.5	1614.7
35°	2229.0	2213.9	2158.6	1976.9	1708.0	1398.8	1235.1	1228.5	1322.3	1452.3	1692.9
37.5°	2440.7	2438.9	2390.2	2204.9	1940.2	1600.9	1384.9	1379.5	1431.2	1532.3	1798.8
40°	2647.7	2642.9	2601.4	2432.3	2168.8	1802.4	1527.5	1513.7	1523.9	1644.2	1938.4
42.5°	2774.6	2784.9	2799.3	2692.2	2440.1	2038.9	1708.0	1699.6	1697.8	1819.3	2121.9
45°	2843.2	2861.3	2946.1	2936.5	2727.7	2333.1	1964.9	1943.2	1936.0	2059.9	2331.9
47.5°	2910.0	2917.8	3056.8	3115.2	3003.3	2639.9	2275.3	2245.2	2215.7	2353.5	2582.7
50°	2914.2	2926.9	3098.9	3240.9	3234.3	2941.9	2623.6	2597.2	2563.5	2710.9	2827.6
52.5°	2855.3	2880.5	3093.5	3320.3	3377.5	3208.4	2985.2	2963.6	2935.9	3046.0	3033.9
55°	2448.0	2490.7	2987.6	3327.5	3477.9	3437.0	3348.6	3318.5	3291.4	3369.6	3236.1
57.5°	2254.2	2278.3	2666.4	3322.1	3606.1	3648.8	3663.8	3650.0	3612.1	3709.6	3447.2
60°	2138.1	2173.0	2512.9	3262.0	3744.4	3888.2	3982.7	3955.0	3908.7	4042.8	3673.5
62.5°	1999.2	2024.4	2360.1	3088.7	3826.9	4131.9	4281.7	4256.4	4160.8	4350.3	3856.3
65°	1742.9	1780.8	2117.1	2816.2	3716.2	4310.6	4563.2	4554.8	4388.8	4582.5	3906.3
67.5°	1418.6	1452.9	1766.3	2442.6	3392.5	4243.8	4722.7	4696.2	4492.3	4599.9	3748.1
70°	1064.9	1083.5	1319.9	1866.2	2779.5	3887.0	4607.2	4601.7	4335.2	4341.2	3262.6
72.5°	571.5	623.3	877.8	1249.0	1954.6	3148.2	4106.0	4084.4	3867.8	3555.5	2346.3
75°	199.7	214.8	467.5	701.5	1061.8	2097.2	3157.3	3106.7	2892.6	2312.6	1278.4
77.5°	122.7	134.8	207.6	358.6	413.3	910.2	1896.9	1831.3	1692.9	999.9	436.8
80°	84.8	95.7	139.0	187.7	140.8	294.8	872.9	848.3	652.8	238.2	100.5
82.5°	47.5	57.2	105.3	92.0	56.6	76.4	302.6	280.4	173.9	64.4	33.7
85°	27.7	33.1	74.0	65.0	28.9	27.1	78.8	70.4	45.1	24.1	16.2
87.5°	14.4	18.7	54.1	43.3	17.4	9.6	18.0	17.4	11.4	8.4	10.8
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°	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
2.5°	1127.4	1124.4	1140.1	1145.5	1144.3	1141.9	1147.9	1140.1	1139.5	1137.7	1135.8
5°	1147.9	1152.7	1165.3	1165.3	1148.5	1120.8	1104.0	1081.1	1061.8	1050.4	1048.6
7.5°	1178.6	1188.2	1196.6	1170.7	1113.0	1044.4	971.6	914.5	864.5	838.6	836.2
10°	1221.9	1230.9	1224.3	1150.3	1026.4	884.4	765.9	646.7	587.2	554.7	554.7
12.5°	1273.6	1280.8	1240.5	1099.1	883.8	678.0	519.8	394.7	335.1	296.6	294.2
15°	1329.6	1331.4	1238.1	1010.1	707.5	455.4	298.4	219.0	193.7	188.3	187.1
17.5°	1378.3	1371.1	1212.9	878.4	509.6	271.3	189.5	171.5	166.6	166.6	166.6
20°	1424.0	1400.0	1162.3	724.9	326.7	184.7	163.0	158.2	158.2	158.8	158.8
22.5°	1474.6	1427.0	1090.1	554.7	210.0	158.2	152.8	150.4	149.8	151.6	151.0
25°	1534.1	1453.5	986.6	383.2	162.4	147.4	145.0	142.6	142.6	142.6	142.6
27.5°	1567.2	1449.9	868.7	241.8	142.0	136.6	134.2	131.8	129.9	129.3	129.9
30°	1596.1	1428.8	714.7	169.1	128.1	122.1	120.3	117.3	113.7	112.5	112.5
32.5°	1634.0	1411.4	553.5	136.0	116.1	109.5	104.1	99.3	93.3	90.8	90.2
35°	1676.1	1379.5	405.5	119.7	105.3	96.9	88.4	80.6	72.8	70.4	69.8
37.5°	1728.4	1350.6	274.9	110.7	96.3	86.0	74.6	63.8	56.6	55.3	55.3
40°	1799.4	1326.6	190.1	102.9	87.8	75.8	62.0	50.5	45.7	44.5	44.5
42.5°	1896.3	1306.7	143.8	96.3	80.6	65.6	49.9	41.5	37.9	36.7	36.7
45°	2010.6	1276.0	121.5	90.2	73.4	55.3	41.5	34.9	33.1	33.1	33.1
47.5°	2141.7	1237.5	110.7	84.2	65.6	45.1	34.9	31.9	31.3	31.3	31.9
50°	2274.1	1191.8	102.9	77.0	56.6	38.5	31.9	30.1	30.1	30.7	30.7
52.5°	2363.7	1120.2	95.1	69.2	47.5	33.7	30.1	29.5	28.9	28.9	28.9
55°	2451.0	1057.6	84.2	60.8	39.7	31.3	28.9	28.3	28.3	27.7	27.7
57.5°	2541.8	1008.3	70.4	50.5	33.7	29.5	27.7	27.7	26.5	25.9	25.9
60°	2647.1	965.0	54.1	39.7	29.5	27.7	25.9	25.3	24.1	22.9	22.9
62.5°	2677.8	873.5	40.9	31.9	25.3	24.1	23.5	22.3	19.3	16.8	17.4
65°	2597.8	729.8	32.5	25.3	20.5	20.5	18.7	15.6	12.6	10.8	10.8
67.5°	2377.0	545.1	26.5	19.9	16.2	15.6	13.2	11.4	7.8	6.6	6.6
70°	1958.9	360.4	21.7	15.6	13.2	10.8	9.0	8.4	6.0	4.8	4.8
72.5°	1372.9	195.5	18.0	12.6	9.6	7.2	6.0	5.4	4.2	3.6	3.0
75°	724.9	75.2	14.4	9.6	6.0	4.8	3.6	3.6	3.0	2.4	2.4
77.5°	248.5	31.9	10.2	5.4	4.2	3.0	2.4	1.8	2.4	1.8	1.8
80°	59.0	18.7	6.6	3.6	2.4	1.8	1.8	1.2	1.2	1.2	1.2
82.5°	25.9	10.8	4.2	2.4	2.4	1.8	1.2	0.6	0.6	0.6	0.6
85°	17.4	6.6	3.0	2.4	1.8	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	13.8	4.2	2.4	2.4	1.8	1.2	0.6	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)