

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: P674699

Luminaire Tested: **CCP-SA-2C-735-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674699  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-735-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

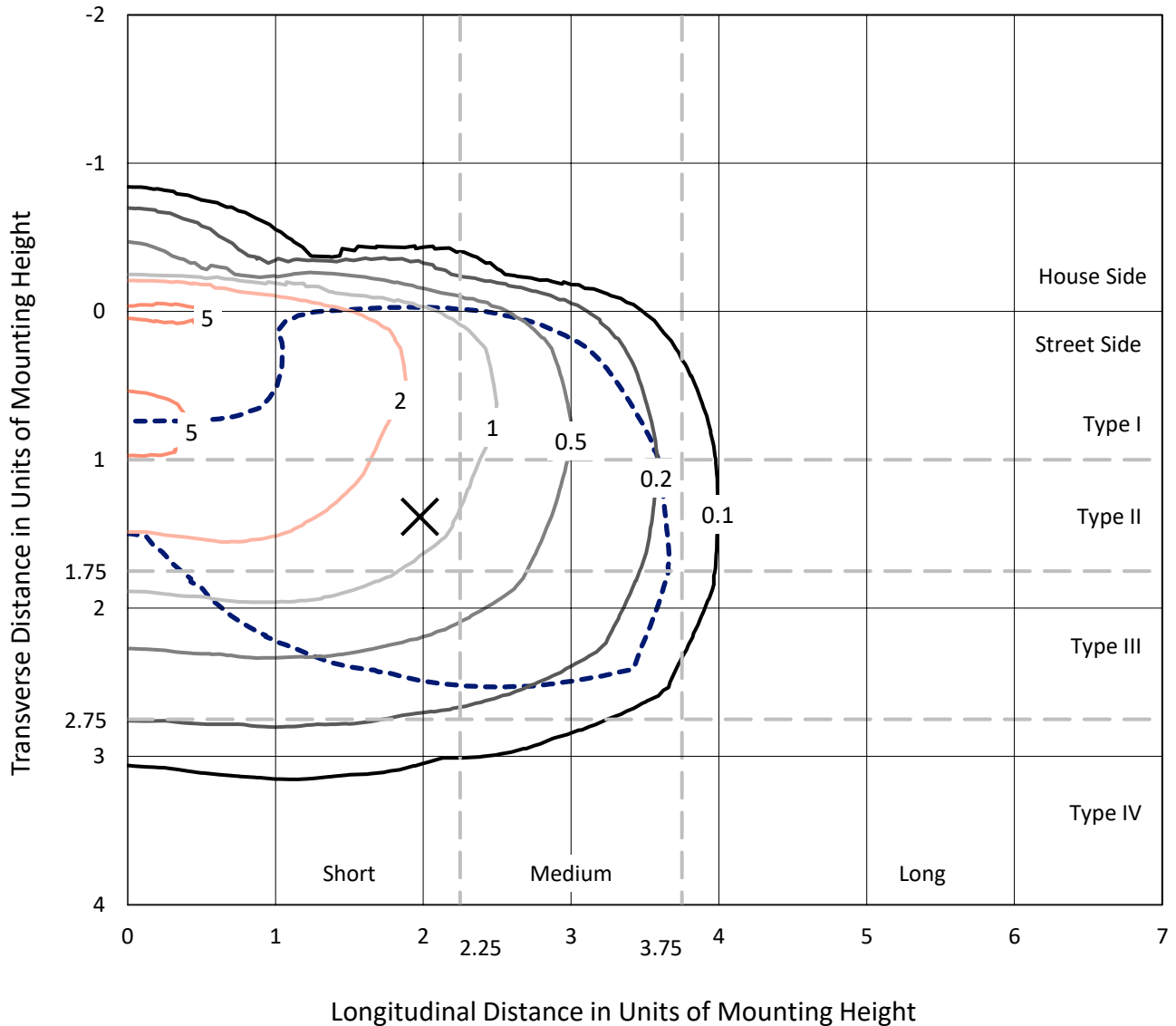
Lumens per Lamp: N/A  
Luminaire Lumens: 7072.5 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

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

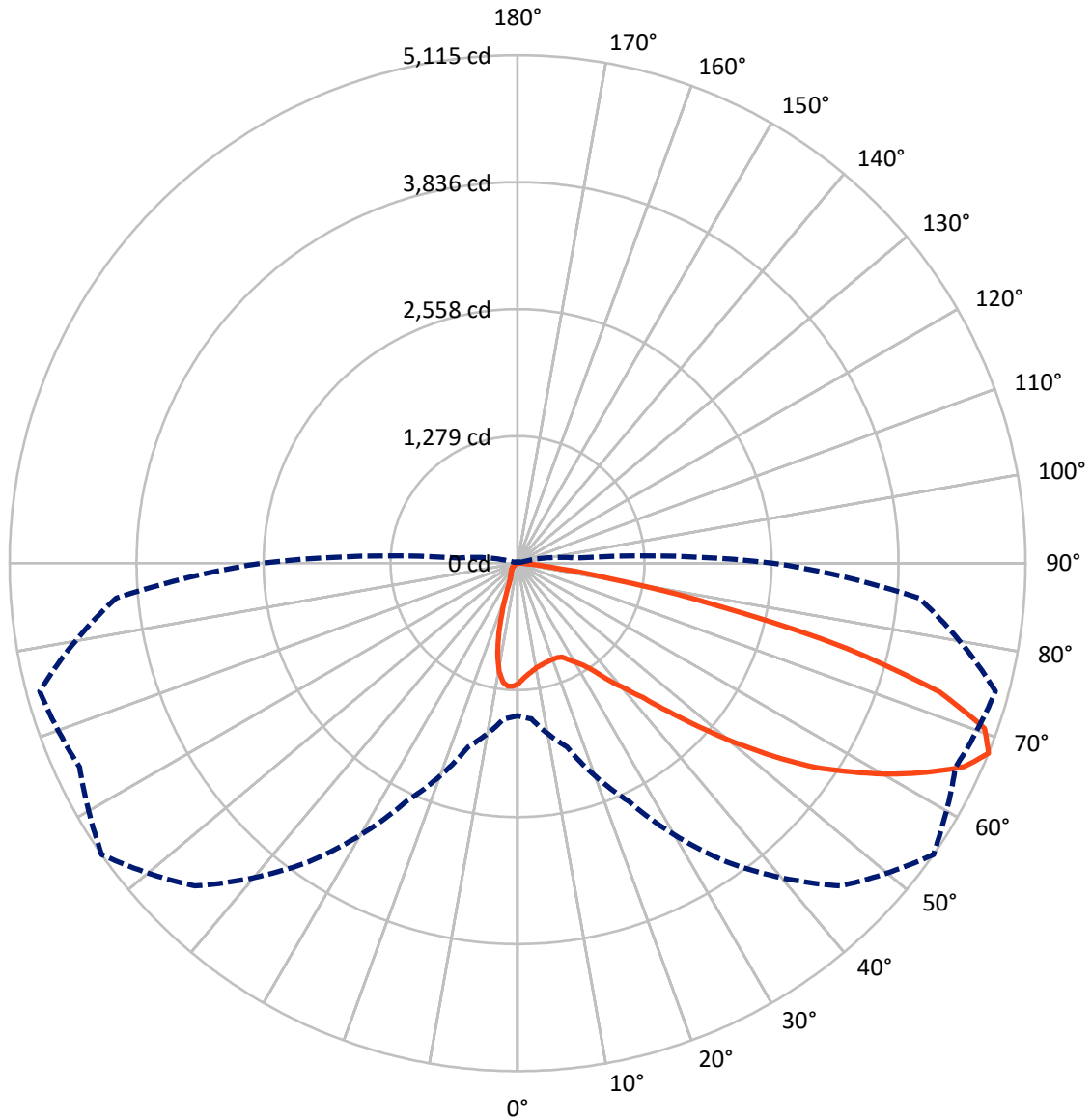
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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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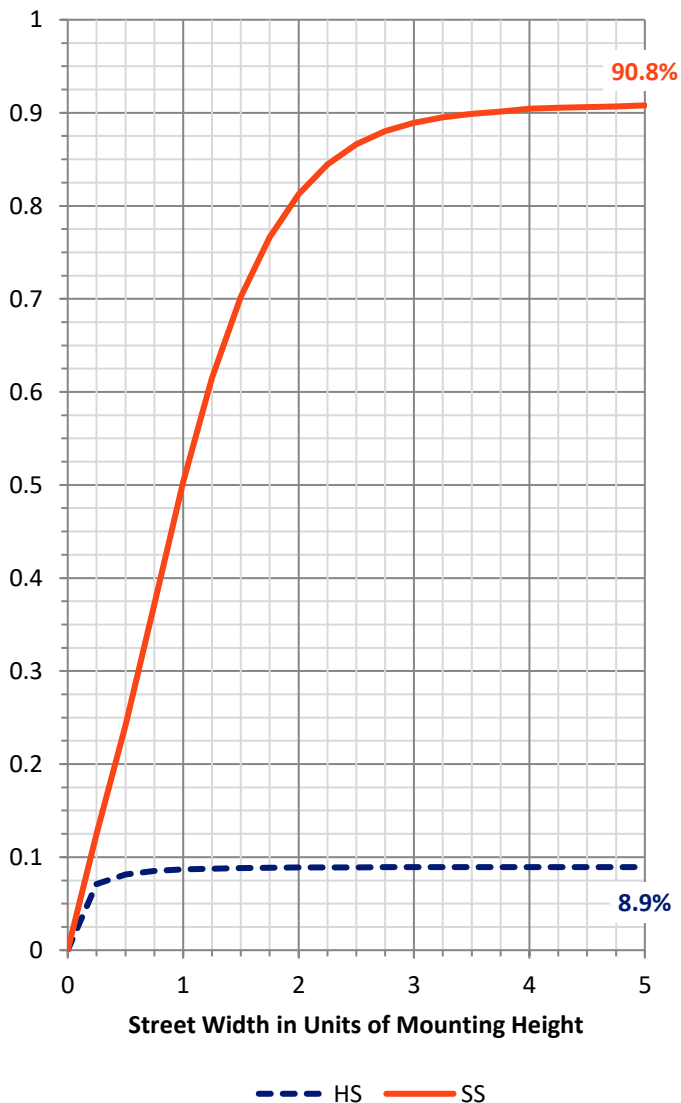
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	635.4	0.0	635.4
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	6437.1	0.0	6437.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	7072.5	0.0	7072.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	1.5
10°-20°	242.2	3.4
20°-30°	388.6	5.5
30°-40°	673.9	9.5
40°-50°	1123.7	15.9
50°-60°	1643.2	23.2
60°-70°	1916.0	27.1
70°-80°	929.9	13.1
80°-90°	48.6	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°	7072.5	100.0
0°-180°	7072.5	100.0



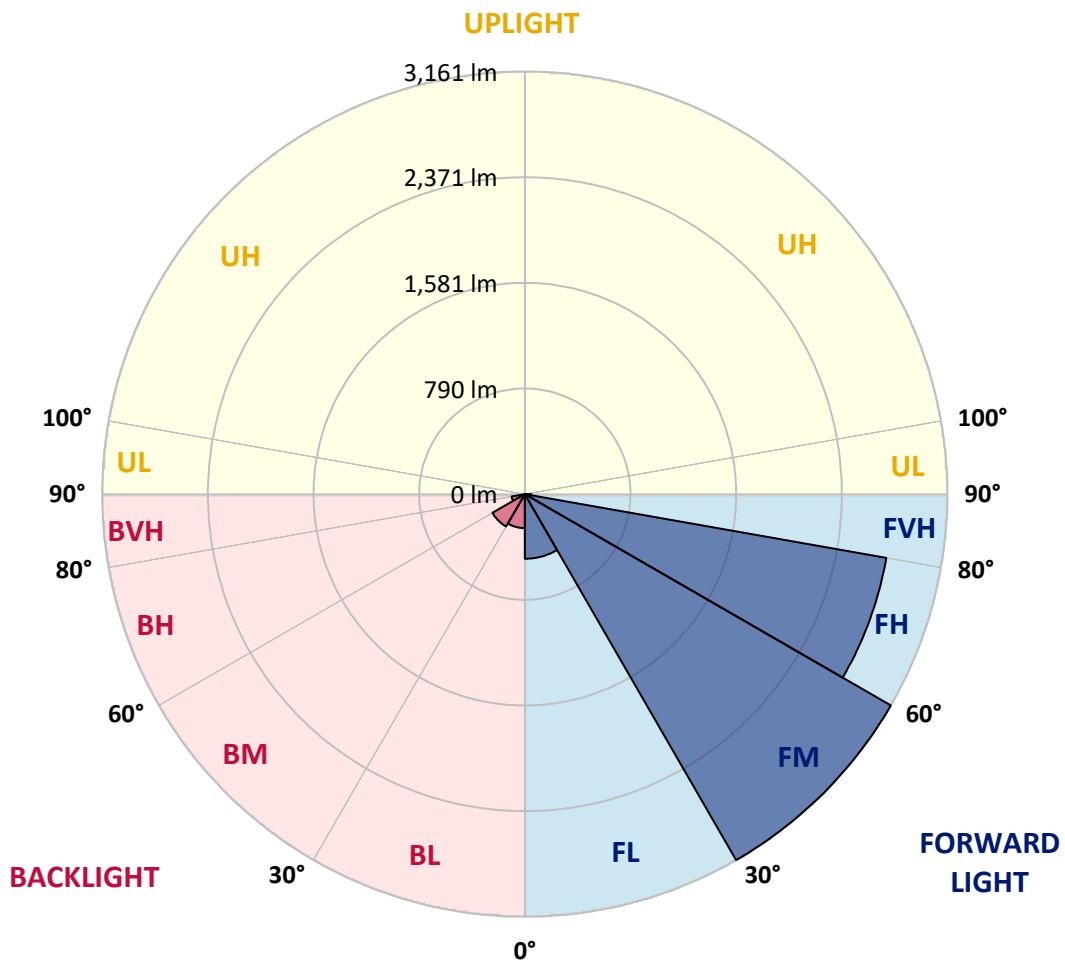
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.1	6.8			
FM (30°-60°)	3161.2	44.7			
FH (60°-80°)	2745.6	38.8			G2/5000
FVH (80°-90°)	47.2	0.7			G1/100
BL (0°-30°)	254.0	3.6	B1/500		
BM (30°-60°)	279.7	4.0	B1/1000		
BH (60°-80°)	100.2	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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°	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0
2.5°	1118.8	1126.0	1135.1	1138.4	1149.5	1165.1	1160.5	1157.3	1174.9	1199.0	1206.8
5°	1049.1	1049.8	1064.1	1074.5	1093.4	1108.4	1124.7	1123.4	1155.3	1196.4	1222.5
7.5°	980.7	982.0	997.0	1013.3	1040.6	1070.0	1094.7	1093.4	1144.9	1199.6	1249.2
10°	890.8	897.3	915.5	944.2	987.2	1033.5	1068.0	1071.3	1133.2	1212.0	1285.7
12.5°	818.4	821.7	841.9	879.0	929.9	990.5	1055.0	1053.0	1135.8	1234.8	1333.2
15°	787.8	785.9	798.2	825.6	883.6	959.8	1042.0	1046.5	1144.9	1260.9	1382.8
17.5°	795.0	793.0	799.5	809.3	850.4	934.4	1034.8	1042.6	1159.2	1288.3	1429.0
20°	874.5	860.8	849.1	838.6	844.5	913.6	1030.2	1038.7	1167.7	1309.1	1477.9
22.5°	1027.6	1010.7	979.4	921.4	883.0	914.9	1031.5	1042.6	1186.6	1343.0	1537.2
25°	1277.2	1260.9	1193.8	1075.2	973.5	961.8	1049.1	1060.8	1230.3	1394.5	1600.4
27.5°	1607.6	1571.1	1489.6	1319.5	1123.4	1036.7	1101.9	1114.9	1292.2	1434.2	1643.4
30°	1881.9	1873.4	1795.2	1586.7	1330.0	1146.9	1161.2	1168.4	1320.2	1458.3	1686.4
32.5°	2166.7	2149.1	2077.4	1874.7	1569.8	1303.9	1227.7	1230.9	1356.7	1494.2	1749.0
35°	2414.3	2398.0	2338.0	2141.2	1850.0	1515.0	1337.8	1330.6	1432.3	1573.0	1833.7
37.5°	2643.7	2641.7	2588.9	2388.2	2101.5	1734.0	1500.0	1494.2	1550.2	1659.7	1948.4
40°	2867.8	2862.6	2817.6	2634.5	2349.1	1952.3	1654.5	1639.5	1650.6	1780.9	2099.5
42.5°	3005.3	3016.4	3032.0	2916.0	2643.0	2208.4	1850.0	1840.8	1838.9	1970.5	2298.3
45°	3079.6	3099.1	3191.0	3180.6	2954.5	2527.0	2128.2	2104.8	2096.9	2231.2	2525.7
47.5°	3151.9	3160.4	3310.9	3374.1	3252.9	2859.3	2464.5	2431.9	2399.9	2549.2	2797.4
50°	3156.5	3170.2	3356.5	3510.3	3503.1	3186.5	2841.7	2813.1	2776.6	2936.2	3062.6
52.5°	3092.6	3120.0	3350.7	3596.3	3658.2	3475.1	3233.4	3209.9	3179.9	3299.2	3286.2
55°	2651.5	2697.7	3236.0	3604.2	3767.1	3722.7	3627.0	3594.4	3565.1	3649.8	3505.1
57.5°	2441.6	2467.7	2888.0	3598.3	3905.9	3952.1	3968.4	3953.4	3912.4	4017.9	3733.8
60°	2315.9	2353.7	2721.8	3533.1	4055.7	4211.5	4313.8	4283.8	4233.6	4378.9	3978.8
62.5°	2165.4	2192.7	2556.3	3345.5	4145.0	4475.4	4637.6	4610.3	4506.7	4711.9	4176.9
65°	1887.8	1928.8	2293.1	3050.3	4025.1	4668.9	4942.6	4933.5	4753.6	4963.4	4231.0
67.5°	1536.5	1573.7	1913.2	2645.6	3674.5	4596.6	5115.3	5086.6	4865.7	4982.3	4059.6
70°	1153.4	1173.6	1429.7	2021.3	3010.5	4210.2	4990.2	4984.3	4695.6	4702.1	3533.8
72.5°	619.0	675.1	950.7	1352.8	2117.1	3410.0	4447.4	4423.9	4189.3	3851.1	2541.3
75°	216.3	232.6	506.3	759.8	1150.1	2271.6	3419.7	3365.0	3133.0	2504.9	1384.7
77.5°	132.9	146.0	224.8	388.4	447.7	985.9	2054.6	1983.6	1833.7	1083.0	473.1
80°	91.9	103.6	150.5	203.3	152.5	319.3	945.5	918.8	707.0	258.0	108.8
82.5°	51.5	61.9	114.0	99.7	61.3	82.8	327.8	303.7	188.3	69.7	36.5
85°	30.0	35.8	80.2	70.4	31.3	29.3	85.4	76.2	48.9	26.1	17.6
87.5°	15.6	20.2	58.6	46.9	18.9	10.4	19.5	18.9	12.4	9.1	11.7
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0	1212.0
2.5°	1221.1	1217.9	1234.8	1240.7	1239.4	1236.8	1243.3	1234.8	1234.2	1232.2	1230.3
5°	1243.3	1248.5	1262.2	1262.2	1244.0	1214.0	1195.7	1171.0	1150.1	1137.7	1135.8
7.5°	1276.5	1287.0	1296.1	1268.1	1205.5	1131.2	1052.4	990.5	936.4	908.4	905.8
10°	1323.5	1333.2	1326.1	1245.9	1111.7	957.9	829.5	700.5	636.0	600.8	600.8
12.5°	1379.5	1387.3	1343.7	1190.5	957.2	734.4	563.0	427.5	363.0	321.3	318.6
15°	1440.1	1442.1	1341.0	1094.1	766.3	493.3	323.2	237.2	209.8	204.0	202.7
17.5°	1492.9	1485.1	1313.7	951.4	551.9	293.9	205.3	185.7	180.5	180.5	180.5
20°	1542.4	1516.3	1258.9	785.2	353.8	200.0	176.6	171.4	171.4	172.0	172.0
22.5°	1597.1	1545.7	1180.7	600.8	227.4	171.4	165.5	162.9	162.3	164.2	163.6
25°	1661.6	1574.3	1068.7	415.1	175.9	159.6	157.0	154.4	154.4	154.4	154.4
27.5°	1697.5	1570.4	941.0	262.0	153.8	147.9	145.3	142.7	140.8	140.1	140.8
30°	1728.8	1547.6	774.1	183.1	138.8	132.3	130.3	127.1	123.2	121.9	121.9
32.5°	1769.8	1528.7	599.5	147.3	125.8	118.6	112.7	107.5	101.0	98.4	97.7
35°	1815.4	1494.2	439.2	129.7	114.0	104.9	95.8	87.3	78.8	76.2	75.6
37.5°	1872.1	1462.9	297.8	119.9	104.3	93.2	80.8	69.1	61.3	59.9	59.9
40°	1949.0	1436.8	205.9	111.4	95.1	82.1	67.1	54.7	49.5	48.2	48.2
42.5°	2053.9	1415.3	155.7	104.3	87.3	71.0	54.1	45.0	41.1	39.7	39.7
45°	2177.7	1382.1	131.6	97.7	79.5	59.9	45.0	37.8	35.8	35.8	35.8
47.5°	2319.8	1340.4	119.9	91.2	71.0	48.9	37.8	34.5	33.9	33.9	34.5
50°	2463.2	1290.9	111.4	83.4	61.3	41.7	34.5	32.6	32.6	33.2	33.2
52.5°	2560.2	1213.3	103.0	74.9	51.5	36.5	32.6	31.9	31.3	31.3	31.3
55°	2654.7	1145.6	91.2	65.8	43.0	33.9	31.3	30.6	30.6	30.0	30.0
57.5°	2753.1	1092.1	76.2	54.7	36.5	31.9	30.0	30.0	28.7	28.0	28.0
60°	2867.2	1045.2	58.6	43.0	31.9	30.0	28.0	27.4	26.1	24.8	24.8
62.5°	2900.4	946.2	44.3	34.5	27.4	26.1	25.4	24.1	20.9	18.2	18.9
65°	2813.7	790.4	35.2	27.4	22.2	22.2	20.2	16.9	13.7	11.7	11.7
67.5°	2574.6	590.4	28.7	21.5	17.6	16.9	14.3	12.4	8.5	7.2	7.2
70°	2121.7	390.3	23.5	16.9	14.3	11.7	9.8	9.1	6.5	5.2	5.2
72.5°	1487.0	211.8	19.5	13.7	10.4	7.8	6.5	5.9	4.6	3.9	3.3
75°	785.2	81.5	15.6	10.4	6.5	5.2	3.9	3.9	3.3	2.6	2.6
77.5°	269.1	34.5	11.1	5.9	4.6	3.3	2.6	2.0	2.6	2.0	2.0
80°	63.9	20.2	7.2	3.9	2.6	2.0	2.0	1.3	1.3	1.3	1.3
82.5°	28.0	11.7	4.6	2.6	2.6	2.0	1.3	0.7	0.7	0.7	0.7
85°	18.9	7.2	3.3	2.6	2.0	1.3	0.7	0.7	0.0	0.0	0.0
87.5°	15.0	4.6	2.6	2.6	2.0	1.3	0.7	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)