

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: P670663

Luminaire Tested: **CCP-SA-1E-735-U-T2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670663  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-735-U-T2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

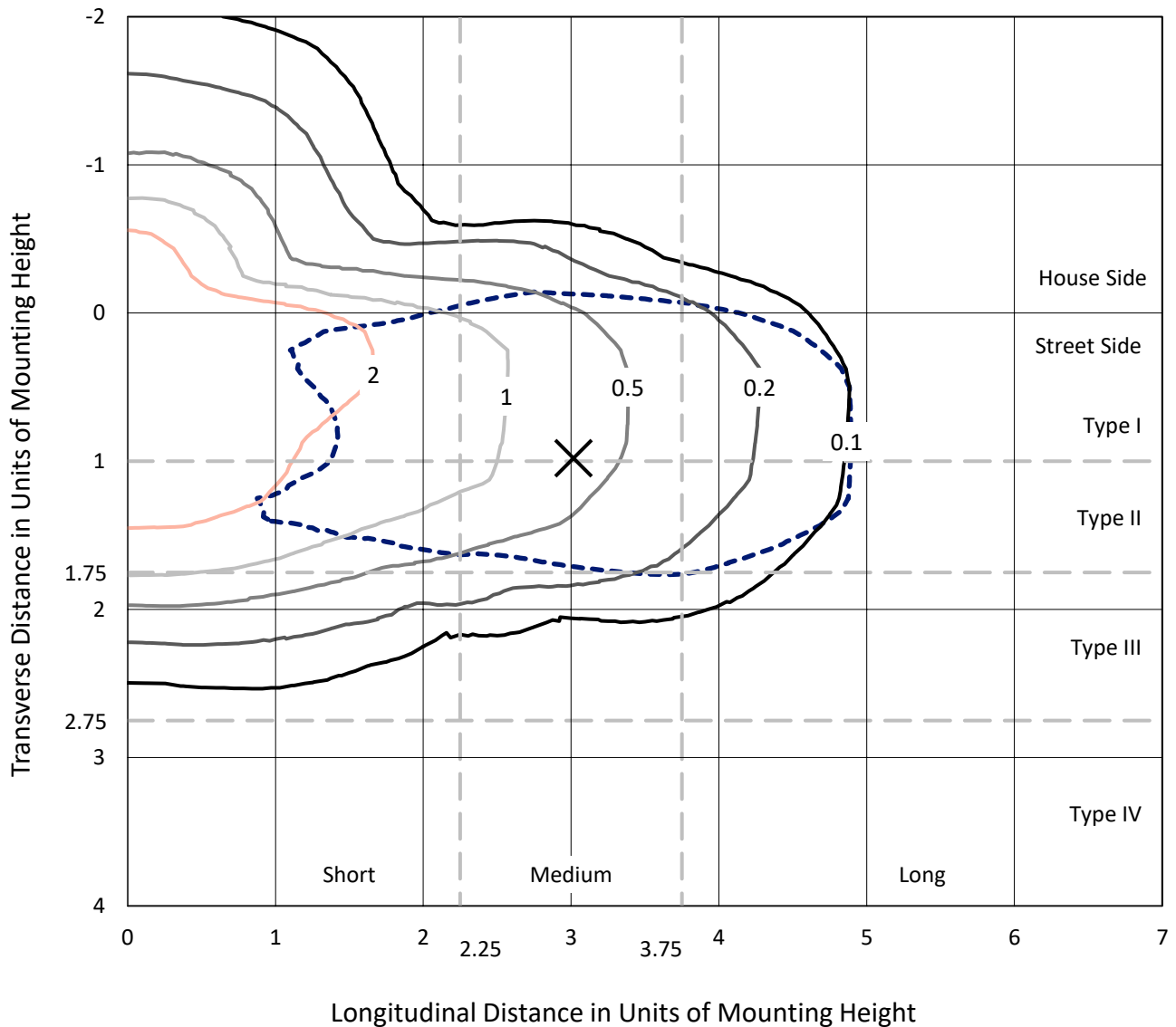
Lumens per Lamp: N/A  
Luminaire Lumens: 6726.5 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

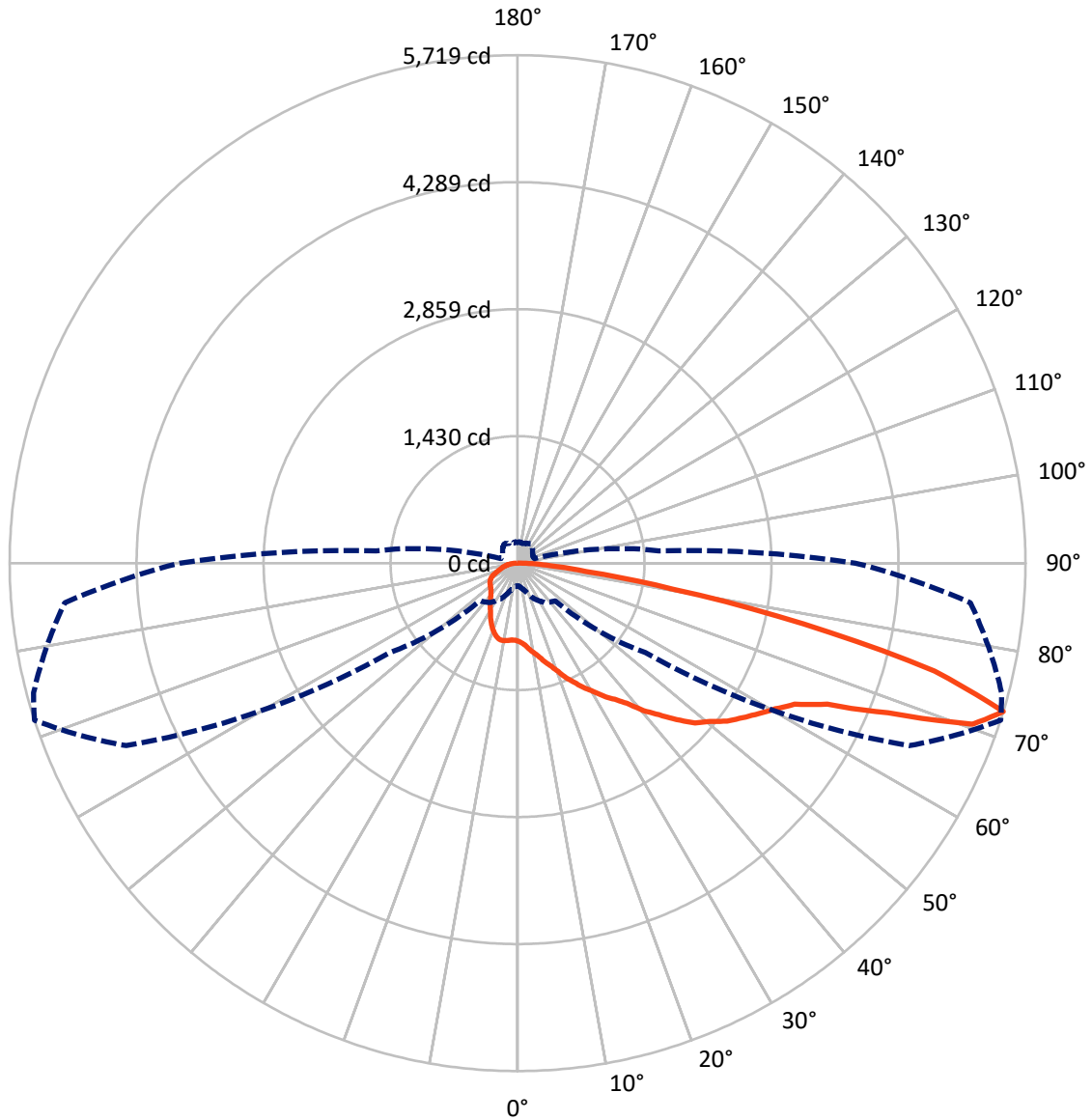
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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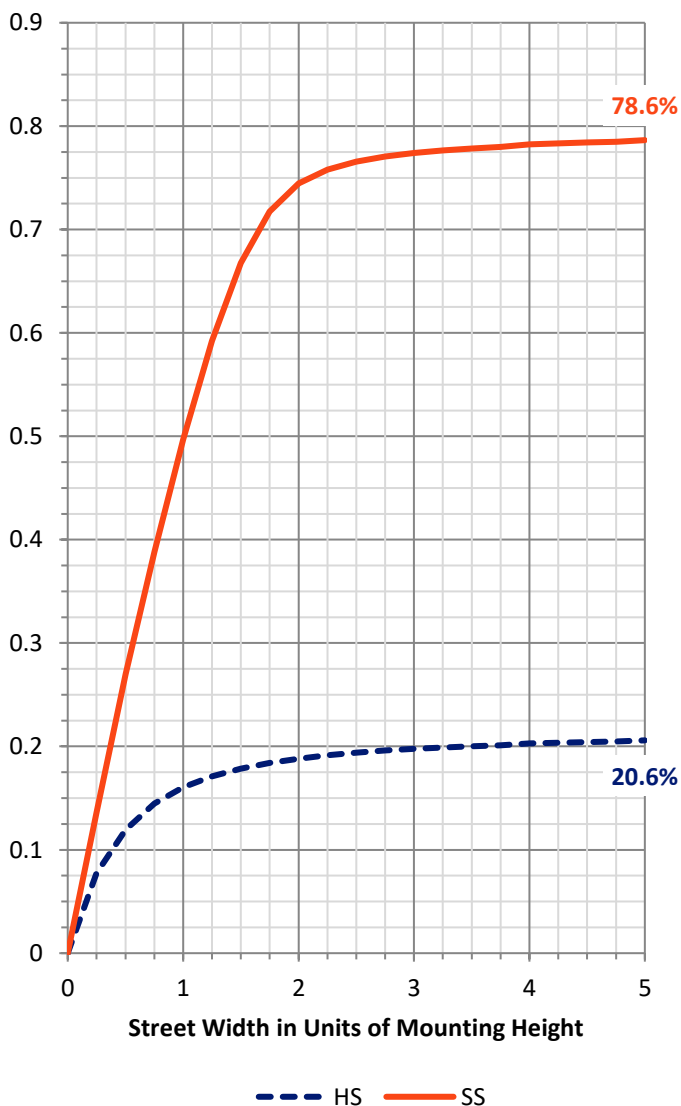
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1415.6	0.0	1415.6
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	5310.9	0.0	5310.9
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	6726.5	0.0	6726.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.9	1.3
10°-20°	269.9	4.0
20°-30°	467.1	6.9
30°-40°	689.9	10.3
40°-50°	1026.0	15.3
50°-60°	1406.6	20.9
60°-70°	1525.7	22.7
70°-80°	1075.7	16.0
80°-90°	178.7	2.7
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°	6726.5	100.0
0°-180°	6726.5	100.0

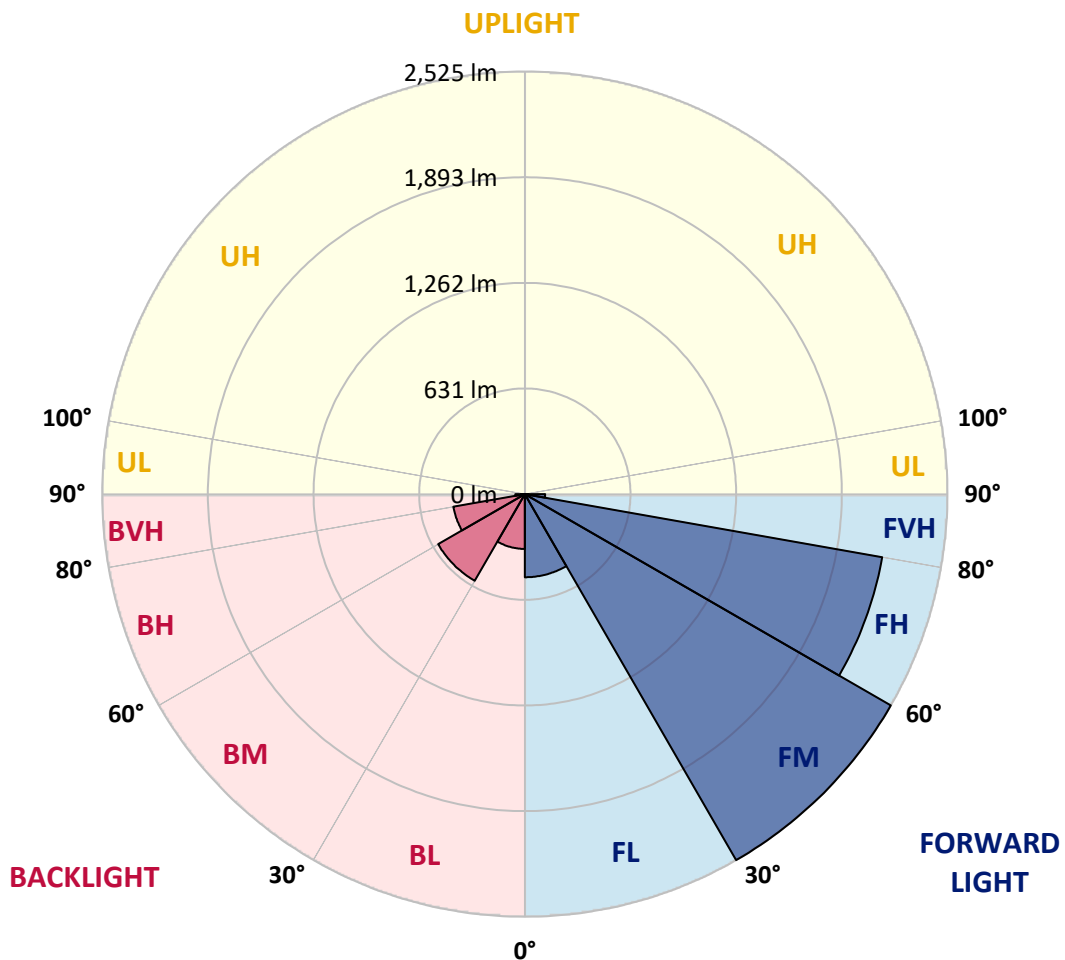


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.7	7.4			
FM (30°-60°)	2524.6	37.5			
FH (60°-80°)	2167.7	32.2			G2/5000
FVH (80°-90°)	121.8	1.8			G2/225
BL (0°-30°)	327.2	4.9	B1/500		
BM (30°-60°)	597.9	8.9	B1/1000		
BH (60°-80°)	433.6	6.4	B1/500		G1/500
BVH (80°-90°)	56.9	0.8			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7
2.5°	948.2	948.2	940.7	938.2	938.2	918.4	920.9	908.5	898.5	898.5	888.6
5°	997.8	992.9	992.9	992.9	980.4	973.0	970.5	948.2	930.8	933.3	903.5
7.5°	1010.2	1012.7	1015.2	1027.6	1020.2	1025.1	1020.2	995.3	982.9	970.5	943.2
10°	1017.7	1022.6	1022.6	1040.0	1040.0	1052.4	1059.9	1049.9	1027.6	1015.2	970.5
12.5°	1035.0	1027.6	1037.5	1049.9	1062.4	1084.7	1107.0	1097.1	1082.2	1067.3	1017.7
15°	1035.0	1037.5	1045.0	1064.8	1084.7	1107.0	1146.7	1161.6	1154.2	1126.9	1074.8
17.5°	1005.3	997.8	1032.6	1069.8	1107.0	1134.3	1186.5	1221.2	1216.2	1206.3	1126.9
20°	1007.7	1015.2	1027.6	1059.9	1119.4	1169.1	1233.6	1290.7	1303.1	1298.2	1196.4
22.5°	1052.4	1054.9	1067.3	1082.2	1129.4	1193.9	1290.7	1382.5	1404.9	1392.5	1273.3
25°	1097.1	1117.0	1117.0	1126.9	1144.3	1211.3	1327.9	1457.0	1489.3	1491.8	1352.8
27.5°	1169.1	1174.0	1188.9	1193.9	1208.8	1248.5	1370.1	1511.6	1586.1	1576.2	1424.7
30°	1253.5	1256.0	1265.9	1260.9	1263.4	1313.0	1409.8	1573.7	1675.4	1677.9	1501.7
32.5°	1352.8	1372.6	1377.6	1345.3	1350.3	1362.7	1471.9	1648.1	1787.1	1769.8	1568.7
35°	1499.2	1506.7	1491.8	1476.9	1439.6	1432.2	1536.4	1722.6	1883.9	1903.8	1668.0
37.5°	1680.4	1700.3	1680.4	1601.0	1561.3	1531.5	1615.9	1804.5	2000.6	2067.6	1767.3
40°	1849.2	1846.7	1826.8	1754.9	1685.4	1663.0	1730.0	1918.7	2181.8	2246.3	1911.2
42.5°	1985.7	1978.3	1965.8	1911.2	1846.7	1809.5	1861.6	2037.8	2333.2	2457.3	2077.5
45°	2104.8	2094.9	2097.4	2035.3	1973.3	1993.1	1993.1	2174.3	2511.9	2665.8	2268.7
47.5°	2216.5	2221.5	2214.1	2166.9	2119.7	2171.9	2144.6	2330.7	2688.1	2859.4	2430.0
50°	2345.6	2355.5	2330.7	2300.9	2258.7	2310.9	2276.1	2477.2	2802.3	3035.6	2623.6
52.5°	2467.2	2477.2	2499.5	2462.3	2420.1	2462.3	2382.8	2613.7	2953.7	3206.9	2772.5
55°	2497.0	2492.1	2616.2	2655.9	2678.2	2551.6	2477.2	2730.3	3072.9	3316.1	2941.3
57.5°	2360.5	2372.9	2541.7	2655.9	2894.2	2784.9	2583.9	2866.9	3197.0	3460.1	3097.7
60°	2020.5	2027.9	2238.9	2509.4	2856.9	3003.4	2871.8	3043.1	3333.5	3581.7	3273.9
62.5°	1350.3	1407.4	1670.5	2094.9	2593.8	3062.9	3331.0	3340.9	3499.8	3735.6	3514.7
65°	712.4	739.7	945.7	1288.2	1965.8	2856.9	3762.9	3931.7	3832.4	4018.6	3862.2
67.5°	466.6	476.6	588.3	781.9	1134.3	2085.0	3812.5	4956.8	4500.1	4557.2	4418.2
70°	347.5	352.5	434.4	578.3	702.4	1114.5	3125.0	5435.9	5433.4	5282.0	5078.4
72.5°	255.7	263.1	320.2	441.8	541.1	600.7	1757.3	4862.5	5718.8	5641.9	5118.1
75°	201.1	206.0	235.8	342.5	436.9	394.7	891.1	3601.6	4850.1	5219.9	4683.8
77.5°	163.8	168.8	186.2	248.2	350.0	305.3	426.9	2323.3	3288.8	3757.9	3584.2
80°	136.5	136.5	148.9	176.2	270.6	230.8	253.2	1305.6	1772.2	1955.9	1625.8
82.5°	116.7	114.2	124.1	129.1	201.1	166.3	163.8	590.7	779.4	826.5	610.6
85°	74.5	76.9	116.7	111.7	131.6	114.2	91.8	280.5	367.4	374.8	228.4
87.5°	29.8	29.8	49.6	62.1	74.5	69.5	44.7	126.6	161.3	161.3	64.5
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°	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7
2.5°	886.1	876.2	868.7	863.8	851.4	839.0	841.4	839.0	829.0	824.1	824.1
5°	896.0	886.1	873.7	853.9	841.4	826.5	831.5	821.6	811.7	819.1	806.7
7.5°	920.9	903.5	886.1	856.3	836.5	814.1	804.2	799.2	791.8	786.8	786.8
10°	955.6	930.8	898.5	853.9	821.6	786.8	781.9	771.9	764.5	764.5	762.0
12.5°	990.4	963.1	908.5	836.5	781.9	757.0	754.6	757.0	762.0	764.5	767.0
15°	1035.0	990.4	906.0	804.2	749.6	739.7	752.1	762.0	771.9	781.9	779.4
17.5°	1077.2	1025.1	883.6	764.5	722.3	724.8	747.1	767.0	786.8	796.8	799.2
20°	1134.3	1057.4	851.4	717.3	695.0	717.3	747.1	771.9	794.3	806.7	809.2
22.5°	1198.9	1094.6	809.2	675.1	672.7	695.0	724.8	762.0	786.8	809.2	806.7
25°	1256.0	1119.4	754.6	640.4	645.4	660.2	695.0	734.7	759.5	784.4	776.9
27.5°	1293.2	1124.4	697.5	615.6	615.6	630.5	662.7	687.5	709.9	729.7	732.2
30°	1335.4	1114.5	632.9	583.3	583.3	603.2	615.6	630.5	642.9	647.8	652.8
32.5°	1385.0	1092.1	593.2	558.5	558.5	573.4	580.8	575.9	573.4	561.0	568.4
35°	1432.2	1059.9	548.6	526.2	536.1	543.6	541.1	526.2	511.3	489.0	481.5
37.5°	1489.3	1027.6	508.8	491.5	508.8	511.3	511.3	493.9	474.1	446.8	446.8
40°	1576.2	1002.8	476.6	469.1	486.5	484.0	471.6	459.2	466.6	451.7	451.7
42.5°	1668.0	992.9	446.8	449.3	456.7	459.2	446.8	431.9	461.7	444.3	446.8
45°	1782.2	1000.3	426.9	424.4	441.8	439.3	431.9	419.5	429.4	384.7	372.3
47.5°	1888.9	1015.2	417.0	407.1	426.9	431.9	422.0	394.7	379.8	352.5	347.5
50°	1985.7	1047.5	407.1	387.2	407.1	417.0	399.6	369.8	352.5	335.1	335.1
52.5°	2077.5	1094.6	402.1	364.9	382.2	394.7	384.7	354.9	335.1	327.6	320.2
55°	2171.9	1136.8	394.7	350.0	354.9	379.8	377.3	337.6	317.7	317.7	315.2
57.5°	2305.9	1193.9	384.7	325.2	335.1	362.4	362.4	330.1	307.8	310.3	312.7
60°	2442.4	1260.9	374.8	300.3	307.8	345.0	350.0	320.2	300.3	302.8	300.3
62.5°	2660.8	1385.0	354.9	270.6	285.4	322.7	335.1	307.8	290.4	295.4	295.4
65°	2991.0	1598.5	312.7	245.7	263.1	302.8	320.2	295.4	275.5	290.4	285.4
67.5°	3522.1	1891.4	263.1	225.9	248.2	283.0	302.8	280.5	263.1	285.4	278.0
70°	3998.7	2035.3	225.9	208.5	225.9	260.6	283.0	265.6	248.2	270.6	260.6
72.5°	3805.1	1596.0	196.1	188.6	206.0	235.8	263.1	245.7	228.4	240.8	230.8
75°	3283.9	1270.8	171.3	168.8	183.7	213.5	240.8	228.4	211.0	215.9	211.0
77.5°	2489.6	1049.9	146.4	144.0	156.4	191.1	215.9	206.0	188.6	186.2	186.2
80°	1112.0	516.3	121.6	121.6	129.1	163.8	183.7	178.7	161.3	158.9	156.4
82.5°	364.9	196.1	99.3	94.3	104.2	136.5	163.8	158.9	141.5	136.5	131.6
85°	146.4	94.3	72.0	72.0	81.9	114.2	146.4	136.5	114.2	101.8	101.8
87.5°	49.6	39.7	37.2	37.2	52.1	76.9	109.2	91.8	81.9	72.0	74.5
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)