

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: P671017

Luminaire Tested: **CCP-SA-1E-835-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671017  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-835-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

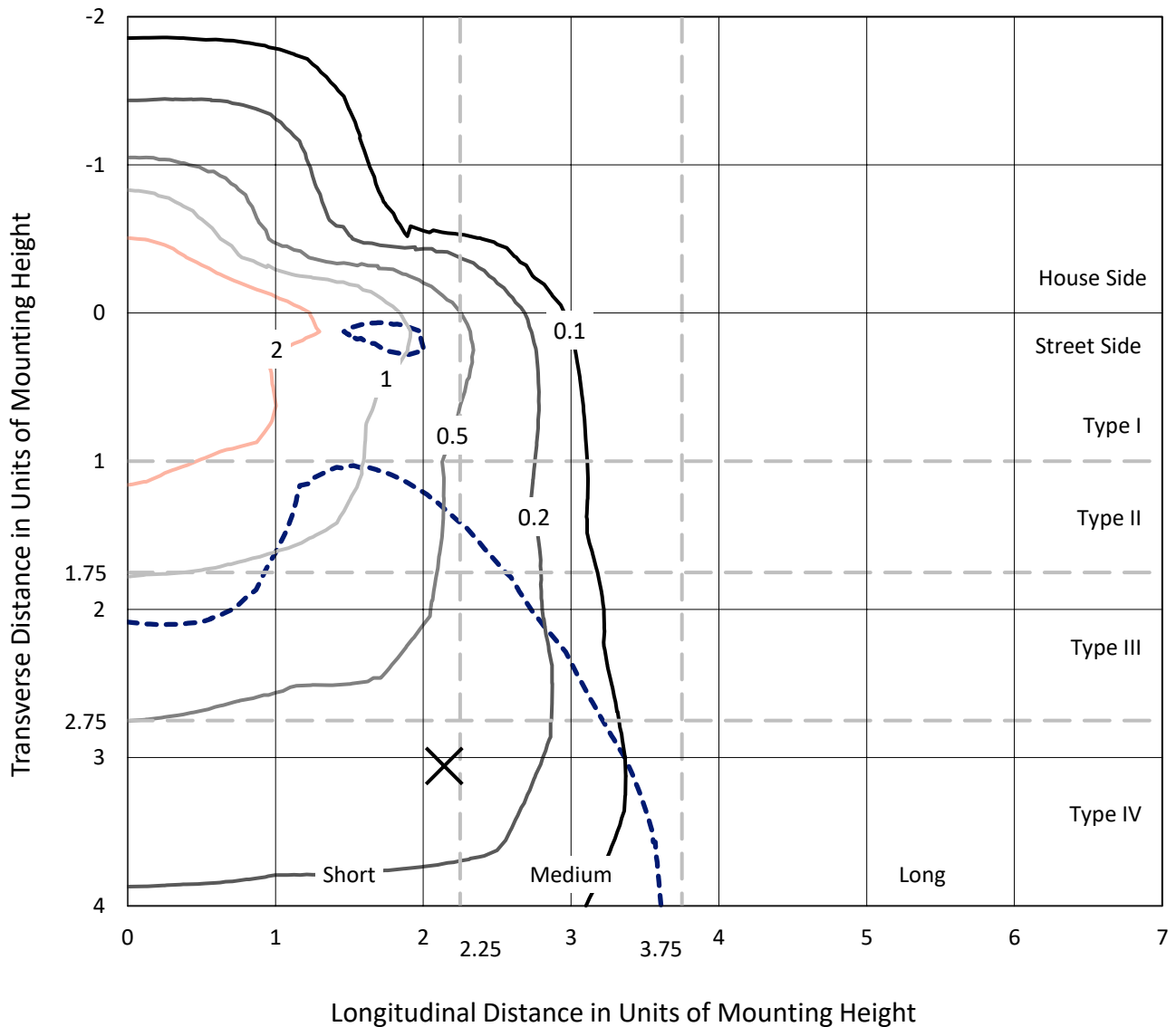
Lumens per Lamp: N/A  
Luminaire Lumens: 5630.2 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

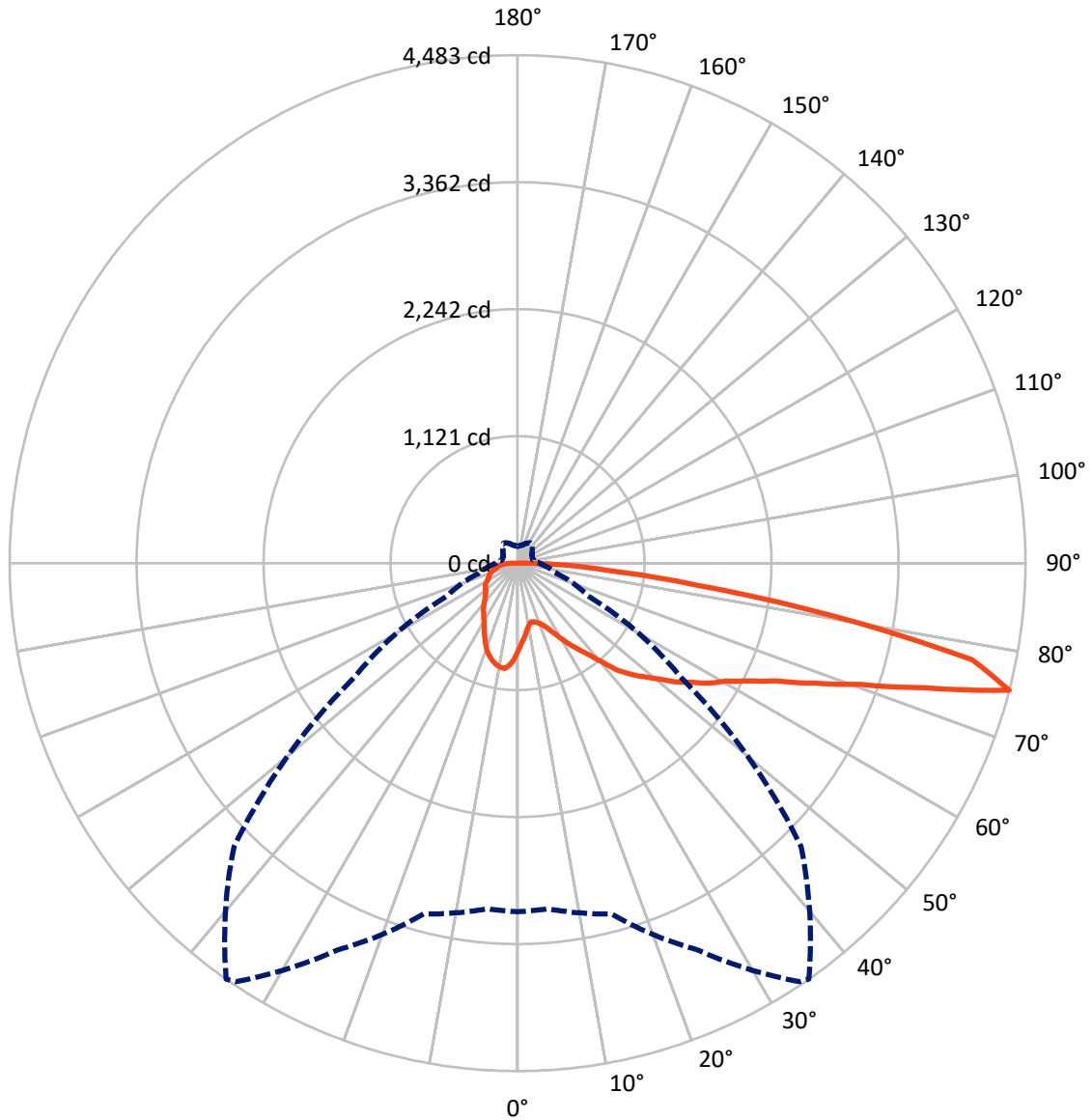
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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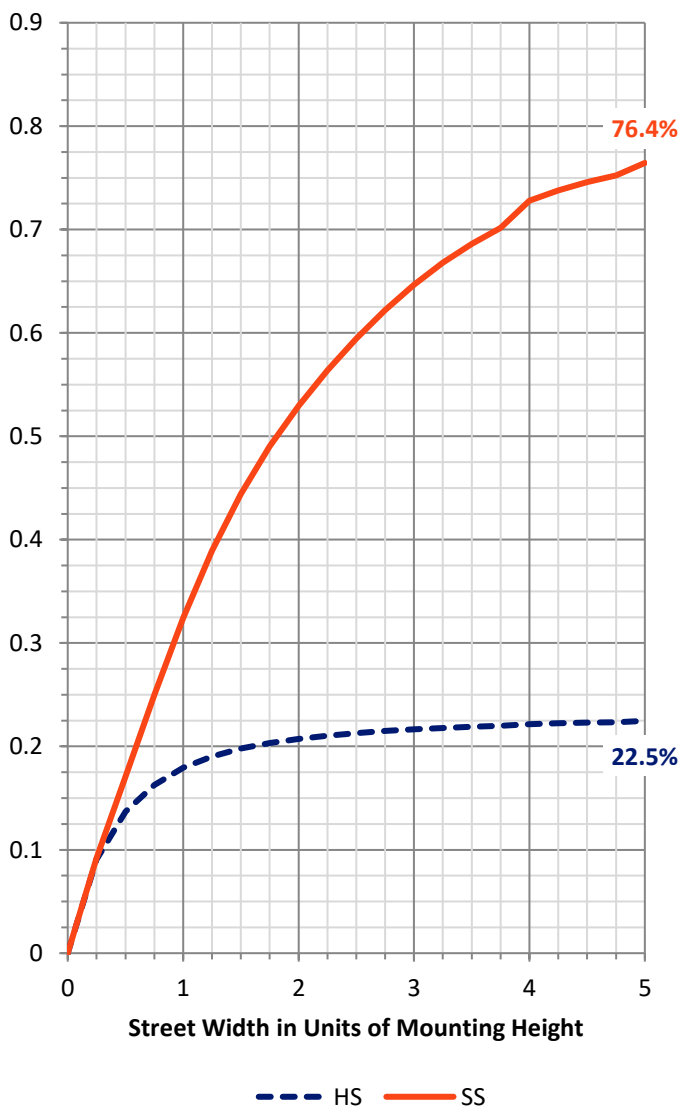
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1294.0	0.0	1294.0
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	4336.3	0.0	4336.3
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	5630.2	0.0	5630.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	1.3
10°-20°	213.3	3.8
20°-30°	354.0	6.3
30°-40°	524.7	9.3
40°-50°	756.6	13.4
50°-60°	1040.4	18.5
60°-70°	1285.1	22.8
70°-80°	1175.7	20.9
80°-90°	207.0	3.7
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°	5630.2	100.0
0°-180°	5630.2	100.0



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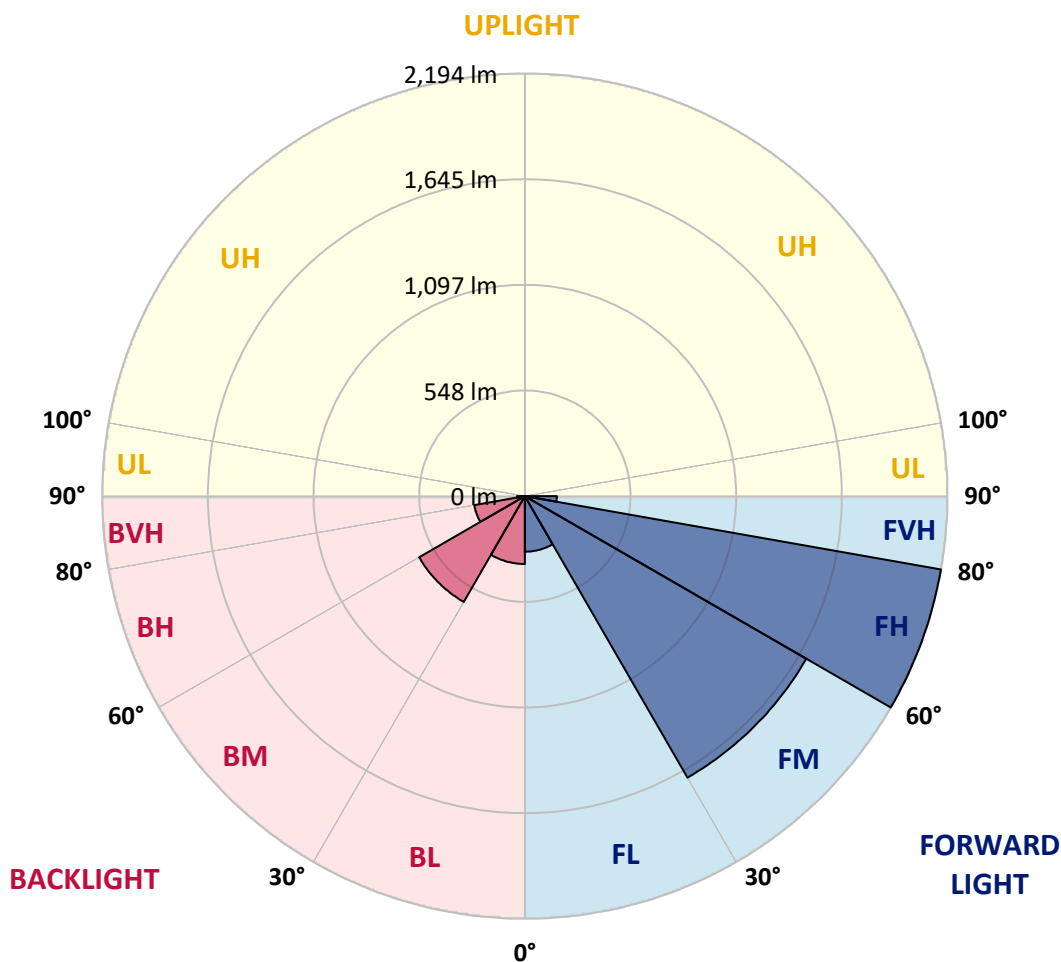
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.6	5.1			
FM (30°-60°)	1687.6	30.0			
FH (60°-80°)	2194.0	39.0			G2/5000
FVH (80°-90°)	166.1	3.0			G2/225
BL (0°-30°)	352.2	6.3	B1/500		
BM (30°-60°)	634.1	11.3	B1/1000		
BH (60°-80°)	266.8	4.7	B1/500		G1/500
BVH (80°-90°)	40.9	0.7			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4
2.5°	698.8	692.6	698.8	702.9	702.9	702.9	709.2	727.8	740.3	748.6	763.1
5°	626.2	628.3	632.4	642.8	649.0	653.2	663.5	686.4	705.0	732.0	763.1
7.5°	561.9	566.1	572.3	582.7	597.2	595.1	617.9	649.0	684.3	719.5	765.2
10°	528.8	537.1	539.1	541.2	555.7	555.7	586.8	622.1	665.6	711.2	765.2
12.5°	535.0	535.0	528.8	526.7	535.0	532.9	559.9	601.3	649.0	713.3	773.4
15°	553.6	553.6	541.2	528.8	541.2	537.1	559.9	593.0	649.0	715.4	790.0
17.5°	578.5	580.6	566.1	545.4	549.5	551.6	568.2	599.3	649.0	719.5	812.8
20°	628.3	617.9	595.1	561.9	576.5	570.2	595.1	622.1	661.5	736.1	846.0
22.5°	671.8	671.8	628.3	599.3	601.3	601.3	624.2	647.0	680.1	758.9	870.9
25°	742.3	738.2	684.3	640.7	644.9	647.0	659.4	686.4	711.2	771.4	902.0
27.5°	831.5	821.1	767.2	717.5	700.9	707.1	713.3	734.1	740.3	792.1	939.3
30°	926.9	912.4	866.8	788.0	779.7	781.7	771.4	783.8	775.5	825.3	976.7
32.5°	987.0	987.0	943.5	885.4	862.6	862.6	827.4	835.7	835.7	856.4	1043.0
35°	1038.9	1034.7	1005.7	962.1	947.6	939.3	904.1	916.5	895.8	916.5	1136.3
37.5°	1117.7	1105.2	1092.8	1063.8	1034.7	1028.5	1009.8	1018.1	989.1	978.7	1242.1
40°	1208.9	1202.7	1190.2	1177.8	1148.8	1146.7	1126.0	1134.3	1103.1	1063.8	1347.8
42.5°	1343.7	1325.0	1285.6	1275.3	1281.5	1289.8	1281.5	1267.0	1211.0	1161.2	1461.9
45°	1478.5	1449.4	1374.8	1358.2	1405.9	1399.7	1434.9	1428.7	1337.5	1258.7	1582.1
47.5°	1565.6	1540.7	1480.5	1470.2	1490.9	1499.2	1605.0	1586.3	1441.1	1347.8	1698.3
50°	1627.8	1629.8	1551.0	1578.0	1605.0	1605.0	1737.7	1735.6	1567.6	1457.7	1849.6
52.5°	1719.0	1690.0	1656.8	1681.7	1719.0	1739.7	1903.6	1857.9	1646.4	1551.0	2019.7
55°	1766.7	1754.3	1725.2	1768.8	1847.6	1857.9	2032.1	1996.9	1735.6	1660.9	2193.9
57.5°	1785.4	1795.7	1843.4	1862.1	1972.0	1998.9	2148.2	2098.5	1818.5	1797.8	2328.6
60°	1868.3	1853.8	1918.1	1992.7	2098.5	2113.0	2293.4	2185.6	1899.4	1887.0	2372.2
62.5°	2036.3	1998.9	2034.2	2123.4	2270.6	2289.2	2446.8	2301.7	1934.7	1947.1	2370.1
65°	2280.9	2254.0	2202.2	2272.7	2480.0	2507.0	2627.2	2401.2	1924.3	1926.4	2202.2
67.5°	2569.2	2525.6	2471.7	2515.3	2768.2	2830.4	2847.0	2444.8	1851.7	1810.2	1791.6
70°	2822.2	2793.1	2757.9	2832.5	3185.0	3207.8	3120.8	2417.8	1650.6	1453.6	1194.4
72.5°	3058.5	3044.0	3064.8	3344.7	3749.0	3763.6	3377.9	2247.8	1304.3	881.3	555.7
75°	3077.2	3062.7	3205.8	3767.7	4456.1	4483.1	3537.5	1762.6	688.4	358.7	234.3
77.5°	2084.0	2127.5	2395.0	3299.1	4093.3	4099.5	2892.7	819.1	284.1	211.5	163.8
80°	512.2	568.2	902.0	1706.6	2759.9	2828.4	1584.2	275.8	186.6	161.7	122.3
82.5°	186.6	203.2	367.0	771.4	1551.0	1578.0	553.6	149.3	134.8	124.4	89.2
85°	89.2	91.2	174.2	379.5	783.8	775.5	199.1	89.2	97.5	85.0	53.9
87.5°	37.3	37.3	76.7	176.3	346.3	335.9	64.3	41.5	56.0	49.8	27.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4
2.5°	773.4	777.6	794.2	806.6	819.1	829.4	846.0	846.0	856.4	856.4	856.4
5°	771.4	794.2	821.1	850.2	868.8	887.5	904.1	906.2	912.4	920.7	922.7
7.5°	779.7	802.5	846.0	887.5	910.3	918.6	939.3	933.1	933.1	933.1	939.3
10°	796.3	821.1	881.3	918.6	935.2	937.3	931.0	926.9	914.5	910.3	904.1
12.5°	808.7	852.2	912.4	941.4	935.2	929.0	914.5	893.7	879.2	875.1	875.1
15°	839.8	883.3	939.3	949.7	939.3	906.2	887.5	864.7	852.2	833.6	841.9
17.5°	866.8	916.5	966.3	953.9	933.1	881.3	854.3	821.1	804.6	783.8	783.8
20°	902.0	947.6	991.2	958.0	912.4	856.4	812.8	771.4	748.6	727.8	732.0
22.5°	941.4	982.9	1005.7	941.4	881.3	817.0	756.9	717.5	688.4	676.0	680.1
25°	972.5	1018.1	1014.0	914.5	844.0	767.2	700.9	663.5	657.3	644.9	644.9
27.5°	1011.9	1059.6	1007.8	881.3	781.7	688.4	647.0	632.4	632.4	626.2	630.4
30°	1063.8	1096.9	993.2	833.6	702.9	617.9	597.2	605.5	620.0	613.8	615.9
32.5°	1148.8	1144.6	980.8	779.7	620.0	549.5	564.0	580.6	593.0	599.3	603.4
35°	1231.7	1204.8	966.3	707.1	543.3	516.3	528.8	547.4	570.2	576.5	578.5
37.5°	1314.7	1267.0	941.4	617.9	495.6	487.3	499.7	510.1	528.8	532.9	537.1
40°	1401.7	1308.4	897.9	530.8	456.2	456.2	464.5	466.6	476.9	483.1	487.3
42.5°	1478.5	1347.8	819.1	450.0	414.7	429.2	431.3	427.2	418.9	423.0	425.1
45°	1571.8	1391.4	727.8	391.9	383.6	402.3	406.4	389.8	375.3	367.0	362.9
47.5°	1663.0	1437.0	649.0	344.2	354.6	383.6	383.6	365.0	340.1	319.3	311.0
50°	1746.0	1482.6	584.8	315.2	325.6	369.1	373.2	338.0	311.0	286.2	282.0
52.5°	1884.9	1559.3	518.4	292.4	309.0	358.7	356.7	325.6	290.3	263.3	261.3
55°	2007.2	1636.1	431.3	269.6	292.4	344.2	350.4	313.1	265.4	240.5	236.4
57.5°	2096.4	1654.7	344.2	246.8	275.8	327.6	335.9	288.2	248.8	228.1	226.0
60°	2113.0	1582.1	279.9	228.1	253.0	304.8	311.0	273.7	236.4	219.8	215.7
62.5°	2036.3	1443.2	238.5	211.5	234.3	282.0	294.4	257.1	223.9	209.4	207.4
65°	1862.1	1240.0	209.4	197.0	221.9	265.4	279.9	244.7	213.6	201.1	199.1
67.5°	1474.3	951.8	186.6	186.6	205.3	248.8	269.6	236.4	203.2	194.9	192.8
70°	964.2	572.3	170.0	172.1	192.8	234.3	257.1	226.0	190.8	188.7	184.5
72.5°	414.7	263.3	151.4	157.6	174.2	209.4	238.5	211.5	176.3	170.0	163.8
75°	190.8	159.7	136.9	141.0	155.5	184.5	215.7	194.9	163.8	153.4	147.2
77.5°	134.8	116.1	114.0	122.3	132.7	159.7	190.8	182.5	151.4	143.1	138.9
80°	99.5	89.2	95.4	103.7	109.9	147.2	180.4	168.0	138.9	126.5	120.3
82.5°	70.5	66.4	74.6	82.9	89.2	128.6	165.9	147.2	116.1	105.8	95.4
85°	41.5	43.5	51.8	56.0	62.2	95.4	138.9	118.2	89.2	68.4	66.4
87.5°	18.7	18.7	24.9	27.0	31.1	56.0	93.3	74.6	56.0	43.5	41.5
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)