

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: P671494

Luminaire Tested: **CCP-SA-1E-722-U-SL4**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671494  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-722-U-SL4  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL4 distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

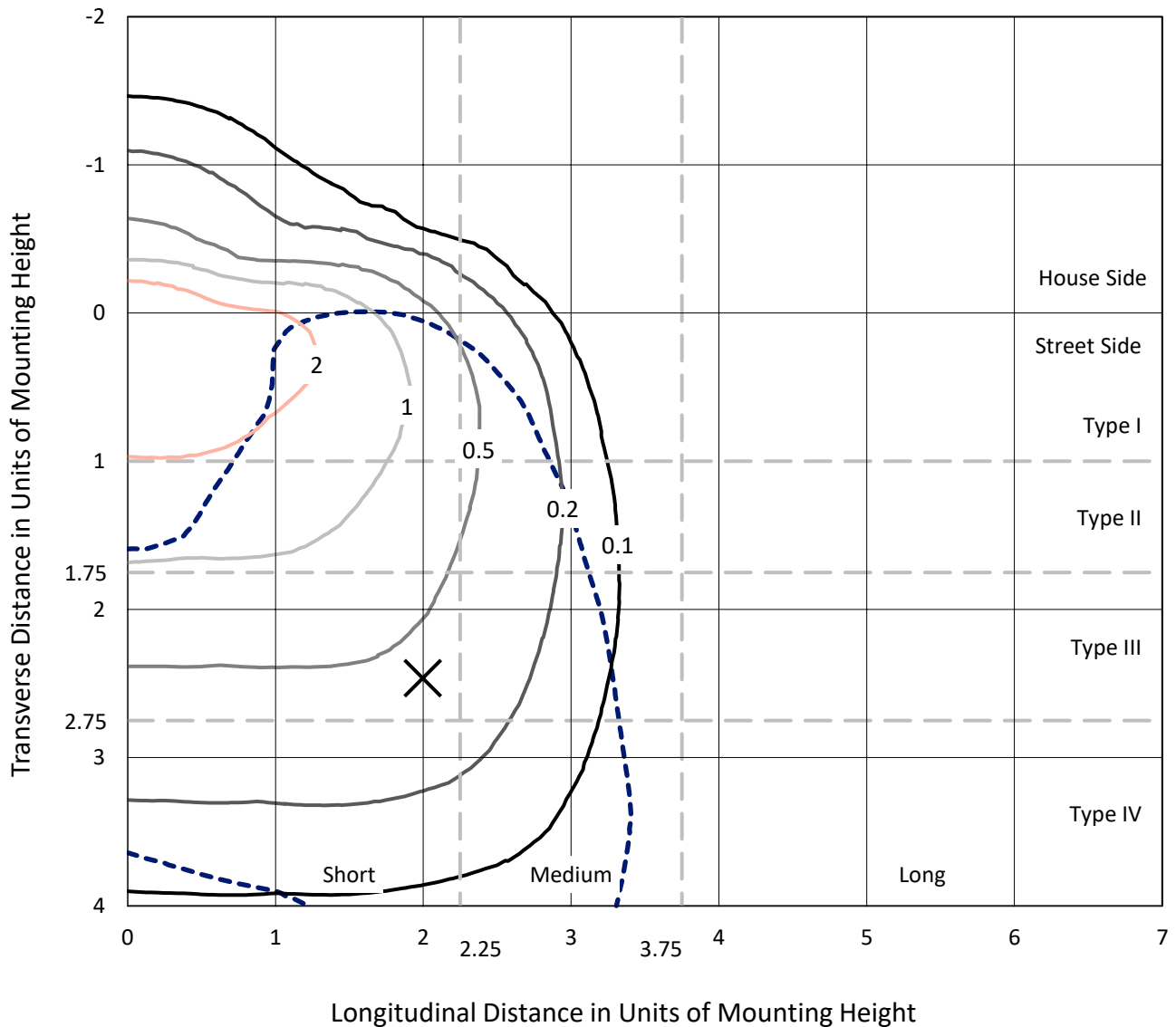
Lumens per Lamp: N/A  
Luminaire Lumens: 4935 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P671494  
 CATALOG NUMBER: CCP-SA-1E-722-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

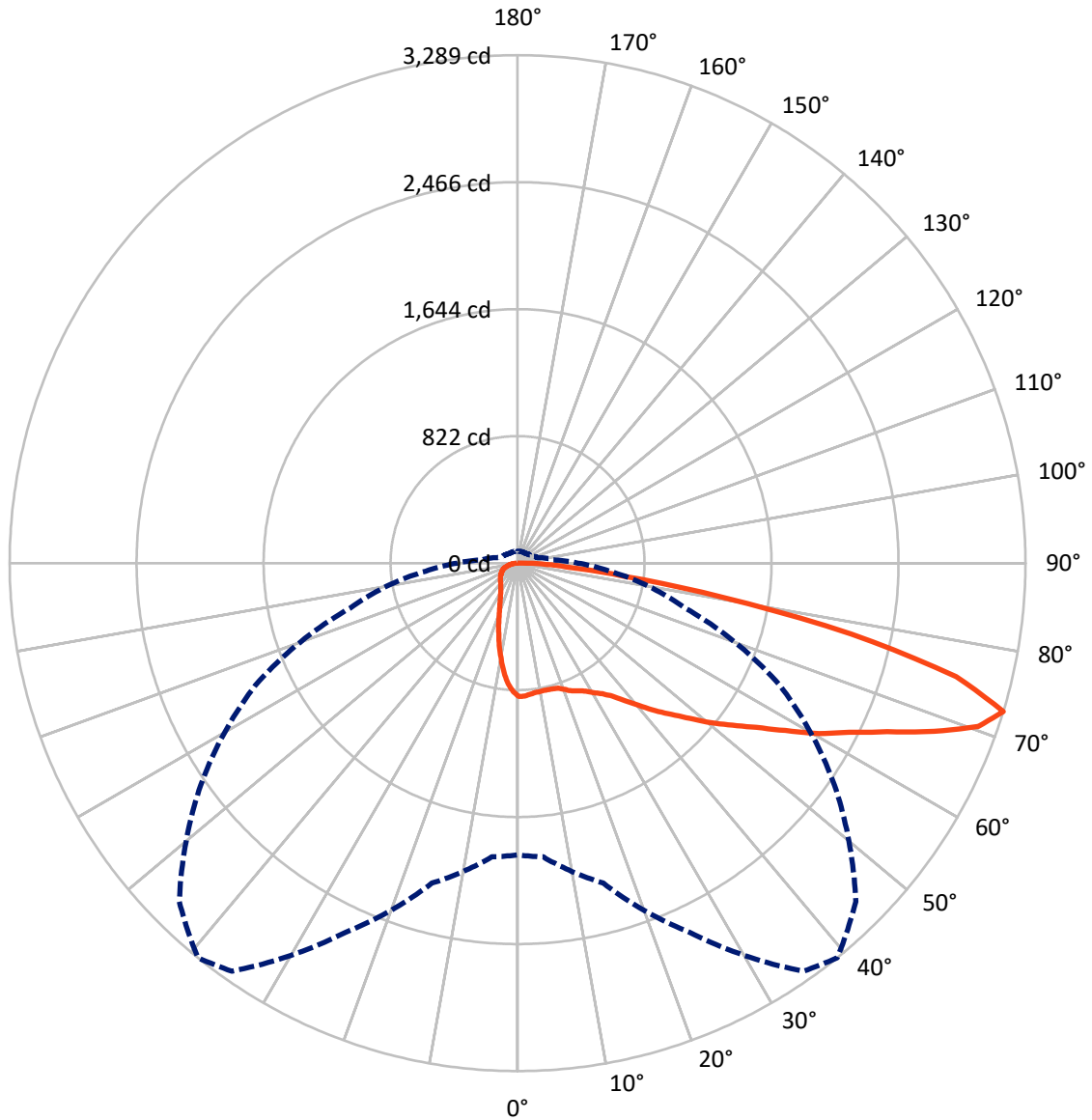
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P671494  
CATALOG NUMBER: CCP-SA-1E-722-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P671494

CATALOG NUMBER: CCP-SA-1E-722-U-SL4

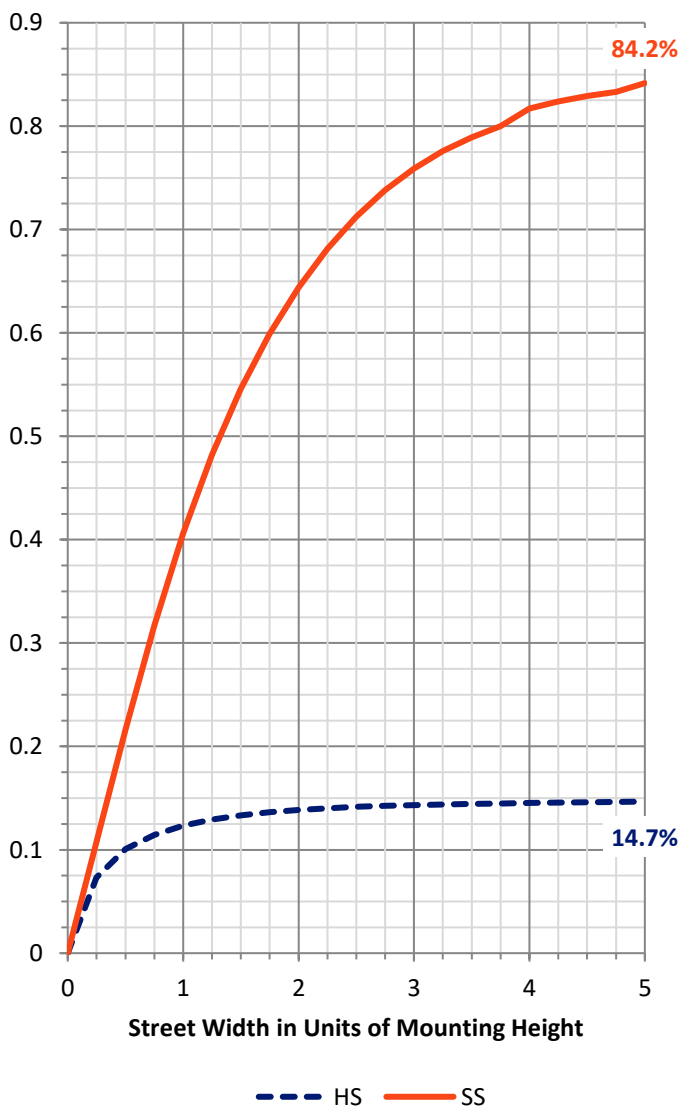
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	733.4	0.0	733.4
	% Fixture	14.9	0.0	14.9
<b>Street Side</b>	Lumens	4201.6	0.0	4201.6
	% Fixture	85.1	0.0	85.1
<b>Total</b>	Lumens	4935.0	0.0	4935.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	1.5
10°-20°	194.8	3.9
20°-30°	296.8	6.0
30°-40°	434.2	8.8
40°-50°	664.7	13.5
50°-60°	974.9	19.8
60°-70°	1243.4	25.2
70°-80°	898.3	18.2
80°-90°	151.5	3.1
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°	4935.0	100.0
0°-180°	4935.0	100.0



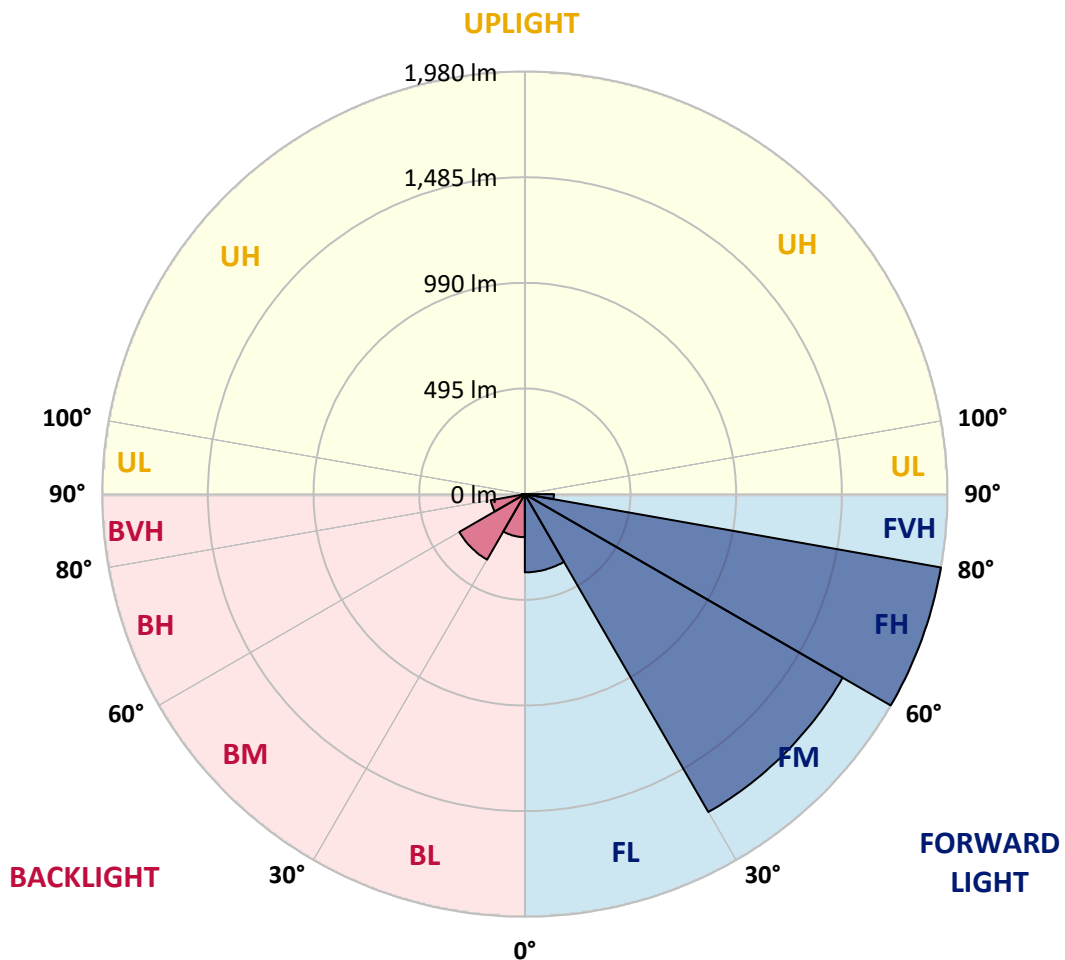
REPORT NUMBER: P671494  
 CATALOG NUMBER: CCP-SA-1E-722-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.3	7.4			
FM (30°-60°)	1719.5	34.8			
FH (60°-80°)	1979.7	40.1			G2/5000
FVH (80°-90°)	136.2	2.8			G2/225
BL (0°-30°)	201.7	4.1	B1/500		
BM (30°-60°)	354.3	7.2	B1/1000		
BH (60°-80°)	162.1	3.3	B1/500		G1/500
BVH (80°-90°)	15.4	0.3			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





REPORT NUMBER: P671494

CATALOG NUMBER: CCP-SA-1E-722-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8
2.5°	876.8	878.7	875.0	871.3	869.4	862.0	869.4	865.7	862.0	862.0	862.0
5°	865.7	867.6	867.6	863.8	865.7	852.7	850.9	852.7	847.2	843.5	841.6
7.5°	849.0	852.7	860.1	858.3	850.9	845.3	847.2	845.3	836.0	830.5	815.7
10°	836.0	839.8	843.5	847.2	845.3	843.5	841.6	834.2	832.3	819.4	804.5
12.5°	823.1	823.1	824.9	839.8	841.6	841.6	830.5	830.5	824.9	823.1	800.8
15°	810.1	815.7	830.5	834.2	841.6	845.3	839.8	839.8	830.5	817.5	800.8
17.5°	813.8	823.1	837.9	847.2	850.9	850.9	858.3	852.7	839.8	832.3	815.7
20°	832.3	834.2	852.7	869.4	873.1	873.1	865.7	860.1	850.9	837.9	815.7
22.5°	843.5	856.4	878.7	887.9	899.1	899.1	889.8	876.8	863.8	850.9	826.8
25°	891.7	893.5	902.8	917.6	923.2	915.8	906.5	891.7	875.0	862.0	839.8
27.5°	925.0	934.3	945.4	952.8	943.6	938.0	930.6	913.9	900.9	889.8	858.3
30°	986.2	975.1	982.5	986.2	969.5	973.2	952.8	938.0	923.2	923.2	887.9
32.5°	1023.3	1032.5	1025.1	1023.3	1010.3	1008.4	995.5	978.8	969.5	980.6	932.4
35°	1088.2	1082.6	1082.6	1080.7	1065.9	1056.6	1056.6	1027.0	1036.2	1060.3	1001.0
37.5°	1121.5	1119.7	1130.8	1140.1	1125.2	1130.8	1125.2	1112.3	1116.0	1158.6	1086.3
40°	1154.9	1167.9	1190.1	1193.8	1203.1	1210.5	1206.8	1204.9	1219.8	1288.4	1201.2
42.5°	1186.4	1197.5	1230.9	1260.6	1282.8	1306.9	1308.8	1308.8	1356.9	1455.2	1340.3
45°	1227.2	1236.5	1282.8	1342.1	1379.2	1395.9	1410.7	1427.4	1492.3	1609.1	1488.6
47.5°	1282.8	1290.2	1345.8	1420.0	1492.3	1501.5	1531.2	1549.7	1648.0	1766.6	1640.6
50°	1362.5	1356.9	1401.4	1509.0	1579.4	1623.9	1666.5	1699.9	1796.3	1926.1	1759.2
52.5°	1427.4	1427.4	1460.8	1603.5	1699.9	1742.5	1787.0	1833.4	1944.6	2085.5	1855.6
55°	1538.6	1527.5	1547.9	1696.2	1835.2	1876.0	1961.3	2000.2	2107.7	2204.1	1937.2
57.5°	1614.6	1620.2	1644.3	1818.5	1994.6	2044.7	2130.0	2157.8	2252.3	2328.3	1996.5
60°	1714.7	1696.2	1748.1	1953.9	2170.7	2241.2	2311.6	2328.3	2398.8	2408.0	2024.3
62.5°	1811.1	1807.4	1851.9	2089.2	2359.8	2409.9	2482.2	2500.7	2530.4	2471.1	1985.4
65°	1870.4	1894.5	1978.0	2237.5	2574.9	2630.5	2702.8	2665.7	2632.3	2415.4	1794.4
67.5°	1952.0	1963.1	2091.0	2398.8	2823.3	2906.7	2969.7	2823.3	2574.9	2187.4	1510.8
70°	1970.5	2000.2	2167.0	2567.4	3079.1	3164.4	3168.1	2769.5	2365.4	1779.6	1095.6
72.5°	1889.0	1909.4	2144.8	2637.9	3225.5	3288.6	3097.6	2504.4	1874.1	1121.5	596.9
75°	1588.7	1646.1	1866.7	2421.0	2956.7	2932.6	2624.9	1911.2	1125.2	496.8	252.1
77.5°	1106.7	1108.5	1338.4	1761.1	2213.4	2207.8	1872.3	1108.5	482.0	200.2	148.3
80°	491.2	526.5	665.5	949.1	1344.0	1344.0	1091.9	550.6	241.0	129.8	102.0
82.5°	289.2	300.3	355.9	443.0	654.4	689.6	522.8	367.0	165.0	81.6	63.0
85°	213.2	231.7	265.1	266.9	309.6	315.1	289.2	318.8	113.1	44.5	51.9
87.5°	159.4	170.5	211.3	176.1	165.0	155.7	178.0	326.3	42.6	22.2	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671494  
 CATALOG NUMBER: CCP-SA-1E-722-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8	863.8
2.5°	854.6	854.6	850.9	843.5	843.5	828.6	832.3	836.0	826.8	826.8	828.6
5°	841.6	834.2	824.9	813.8	806.4	786.0	782.3	769.3	767.5	763.7	758.2
7.5°	815.7	804.5	787.8	771.2	747.1	728.5	706.3	687.7	680.3	674.8	672.9
10°	791.6	789.7	761.9	728.5	691.5	656.2	622.9	598.8	583.9	574.7	572.8
12.5°	791.6	776.7	737.8	691.5	637.7	585.8	543.2	509.8	489.4	474.6	469.0
15°	787.8	773.0	721.1	650.7	589.5	519.1	459.7	424.5	394.8	380.0	381.9
17.5°	791.6	769.3	697.0	621.0	535.7	459.7	389.3	346.7	317.0	305.9	304.0
20°	793.4	765.6	678.5	580.2	480.1	394.8	328.1	287.3	265.1	257.7	257.7
22.5°	789.7	754.5	650.7	532.0	431.9	341.1	285.5	250.3	235.4	226.2	229.9
25°	806.4	752.6	624.7	491.2	376.3	296.6	254.0	228.0	218.7	213.2	215.0
27.5°	810.1	752.6	604.3	444.9	328.1	263.2	229.9	213.2	205.8	202.1	200.2
30°	824.9	756.3	580.2	398.6	289.2	237.3	211.3	202.1	196.5	194.6	194.6
32.5°	865.7	767.5	554.3	359.6	255.8	215.0	198.4	190.9	187.2	185.4	187.2
35°	913.9	797.1	526.5	318.8	231.7	200.2	187.2	181.7	179.8	179.8	179.8
37.5°	988.1	841.6	502.4	285.5	211.3	185.4	176.1	174.3	172.4	174.3	174.3
40°	1073.3	889.8	480.1	259.5	196.5	176.1	166.8	166.8	165.0	166.8	168.7
42.5°	1171.6	949.1	457.9	233.6	183.5	168.7	161.3	159.4	157.6	161.3	163.1
45°	1306.9	1030.7	443.0	218.7	174.3	161.3	153.9	153.9	152.0	152.0	155.7
47.5°	1420.0	1108.5	443.0	203.9	168.7	155.7	148.3	148.3	144.6	146.4	146.4
50°	1514.5	1175.3	452.3	200.2	161.3	150.2	144.6	140.9	139.0	139.0	139.0
52.5°	1577.5	1216.1	459.7	196.5	157.6	142.7	139.0	137.2	133.5	131.6	133.5
55°	1640.6	1243.9	461.6	196.5	152.0	135.3	131.6	131.6	127.9	126.1	126.1
57.5°	1664.7	1232.7	435.6	192.8	148.3	129.8	126.1	124.2	122.3	120.5	120.5
60°	1653.5	1192.0	378.2	183.5	144.6	126.1	118.6	118.6	118.6	114.9	116.8
62.5°	1577.5	1052.9	304.0	168.7	139.0	118.6	111.2	114.9	114.9	113.1	113.1
65°	1377.3	869.4	246.5	155.7	131.6	113.1	105.7	111.2	113.1	111.2	109.4
67.5°	1101.1	669.2	203.9	140.9	122.3	103.8	98.2	103.8	105.7	103.8	103.8
70°	756.3	431.9	165.0	126.1	109.4	94.5	89.0	92.7	92.7	94.5	94.5
72.5°	391.1	233.6	135.3	107.5	94.5	85.3	79.7	79.7	77.9	77.9	77.9
75°	194.6	159.4	113.1	90.8	79.7	72.3	68.6	64.9	64.9	64.9	64.9
77.5°	135.3	122.3	92.7	72.3	64.9	59.3	59.3	53.8	53.8	53.8	53.8
80°	102.0	96.4	70.4	55.6	50.1	46.3	46.3	44.5	44.5	42.6	42.6
82.5°	72.3	77.9	53.8	40.8	37.1	35.2	35.2	33.4	33.4	29.7	29.7
85°	57.5	64.9	40.8	29.7	27.8	24.1	24.1	22.2	22.2	20.4	18.5
87.5°	16.7	35.2	16.7	11.1	11.1	11.1	11.1	9.3	9.3	7.4	7.4
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)