

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: P672225

Luminaire Tested: **CCP-SA-1E-727-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672225  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-727-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

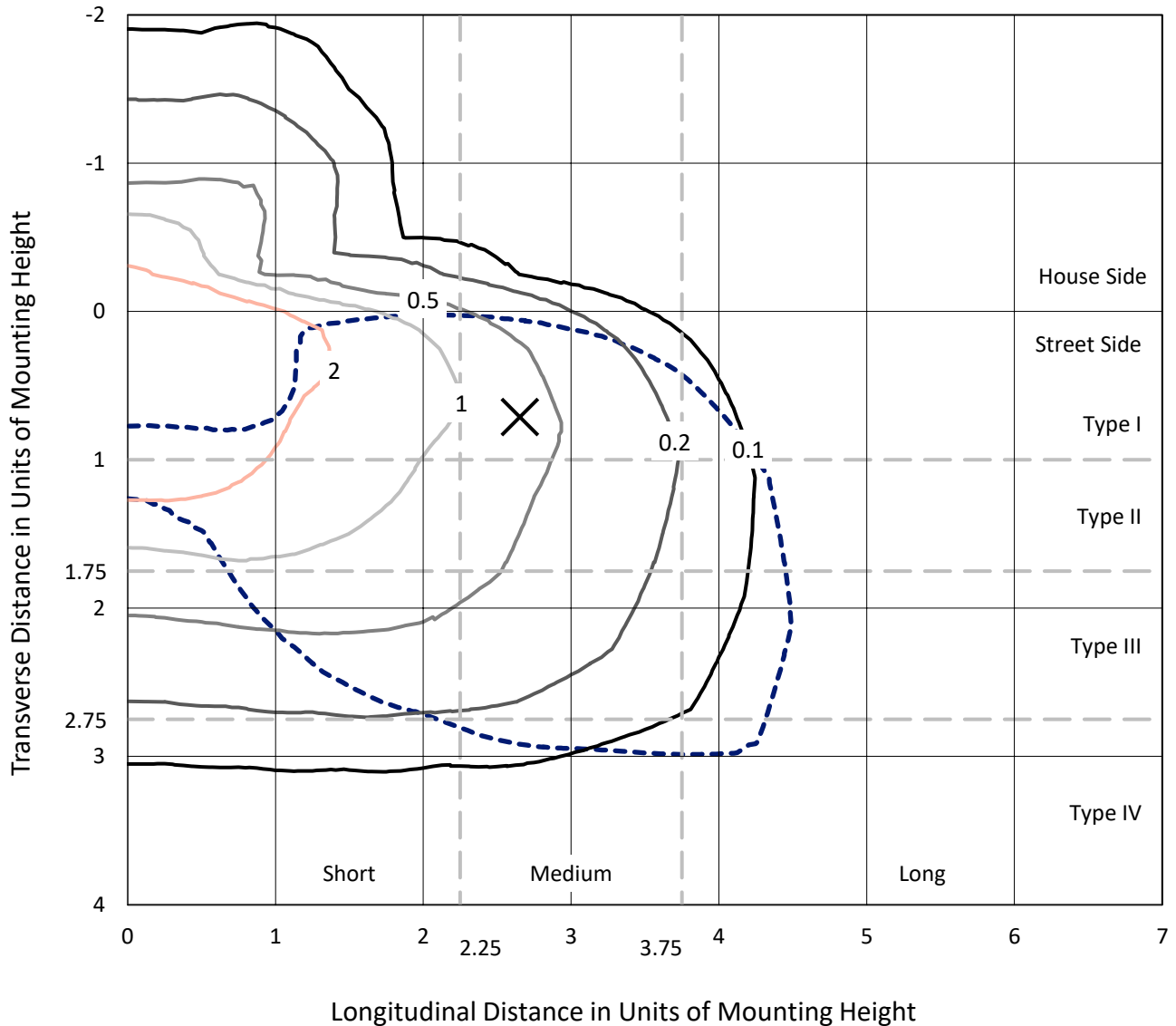
Lumens per Lamp: N/A  
Luminaire Lumens: 5811.4 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P672225  
 CATALOG NUMBER: CCP-SA-1E-727-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

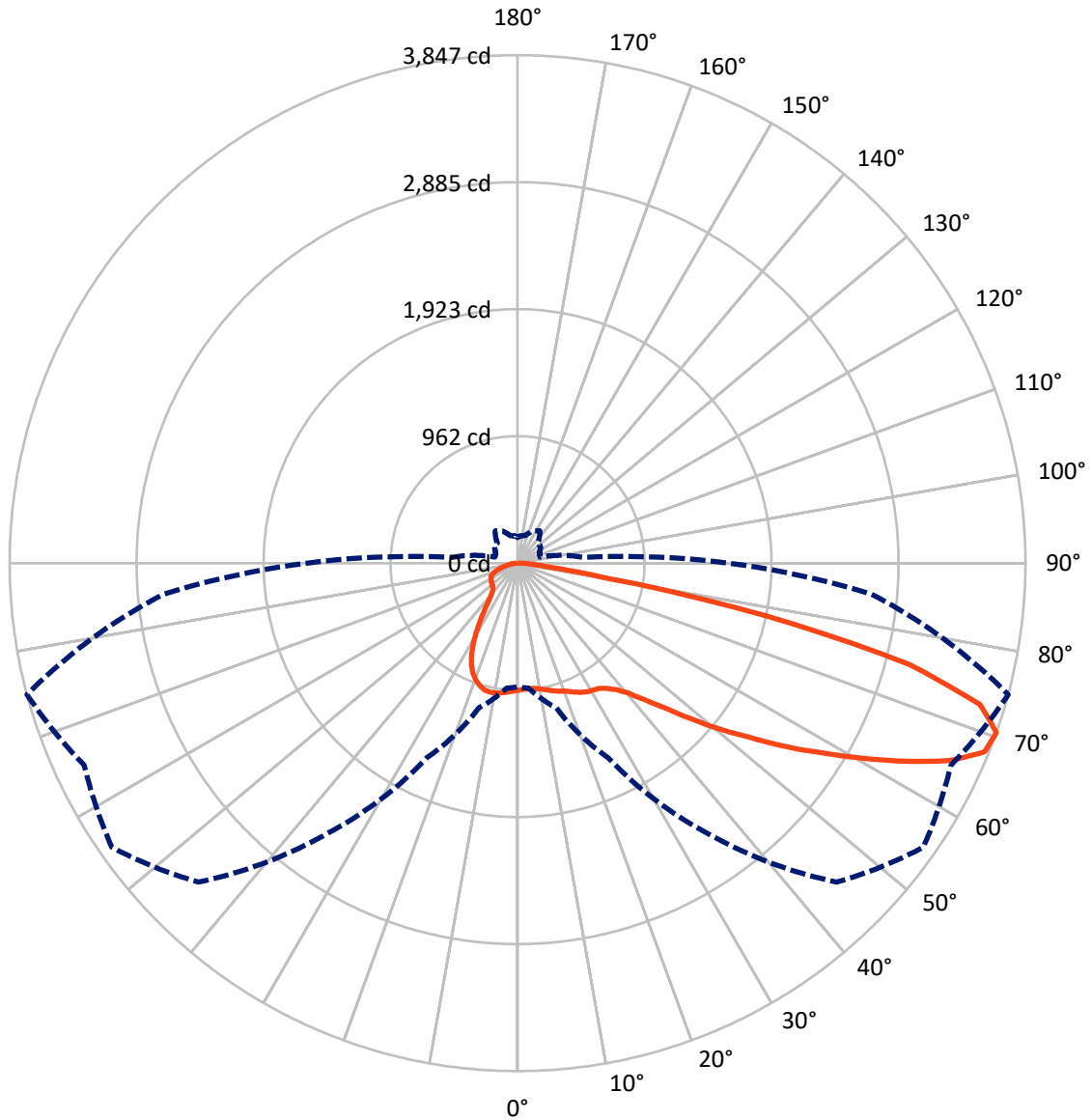
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P672225  
CATALOG NUMBER: CCP-SA-1E-727-U-T3R

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P672225  
 CATALOG NUMBER: CCP-SA-1E-727-U-T3R

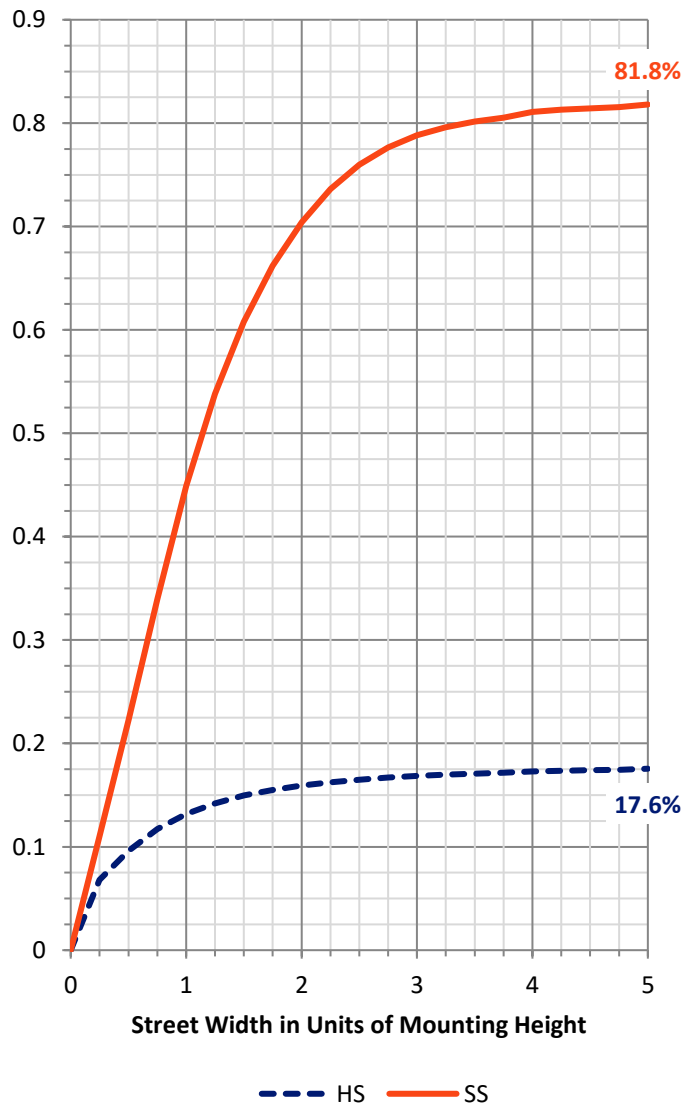
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1033.9	0.0	1033.9
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	4777.5	0.0	4777.5
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	5811.4	0.0	5811.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	1.5
10°-20°	230.8	4.0
20°-30°	388.8	6.7
30°-40°	590.6	10.2
40°-50°	846.1	14.6
50°-60°	1121.7	19.3
60°-70°	1403.7	24.2
70°-80°	1025.1	17.6
80°-90°	118.2	2.0
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°	5811.4	100.0
0°-180°	5811.4	100.0



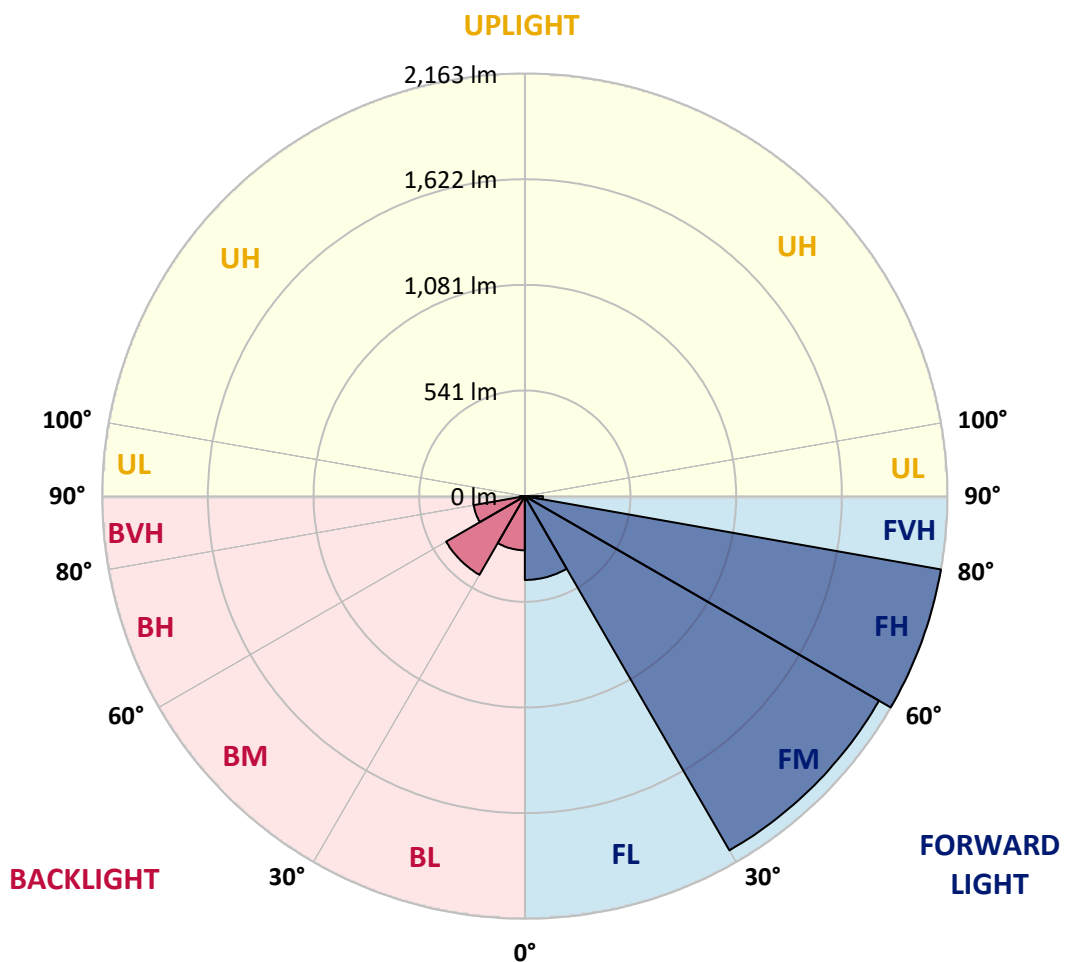
REPORT NUMBER: P672225  
 CATALOG NUMBER: CCP-SA-1E-727-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.9	7.4			
FM (30°-60°)	2093.5	36.0			
FH (60°-80°)	2162.9	37.2			G2/5000
FVH (80°-90°)	92.2	1.6			G1/100
BL (0°-30°)	277.1	4.8	B1/500		
BM (30°-60°)	464.9	8.0	B1/1000		
BH (60°-80°)	266.0	4.6	B1/500		G1/500
BVH (80°-90°)	26.0	0.4			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 Medium





REPORT NUMBER: P672225  
 CATALOG NUMBER: CCP-SA-1E-727-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6
2.5°	909.9	915.0	919.6	924.2	927.9	938.0	940.1	950.9	953.9	956.4	959.7
5°	858.9	862.7	867.3	874.8	882.8	900.7	913.3	937.1	950.5	954.7	966.4
7.5°	831.3	832.6	838.9	845.1	854.3	871.9	889.0	926.3	953.0	957.6	982.7
10°	811.3	812.9	818.8	827.6	836.8	853.1	874.4	918.7	962.2	969.3	1004.9
12.5°	804.1	803.3	810.0	815.9	828.8	849.3	871.5	919.1	974.8	984.8	1037.1
15°	832.6	827.1	831.3	829.2	833.4	853.5	879.8	928.3	990.2	1002.8	1070.5
17.5°	895.3	890.7	887.8	869.8	858.1	869.4	894.5	941.3	1006.5	1019.9	1100.6
20°	989.0	976.0	965.1	935.0	902.4	898.7	916.2	954.3	1022.0	1035.0	1132.4
22.5°	1095.6	1085.2	1067.6	1014.9	964.3	939.2	943.8	978.1	1044.6	1058.8	1168.8
25°	1230.3	1229.8	1193.9	1122.8	1046.3	995.7	986.1	1016.2	1070.1	1083.9	1198.9
27.5°	1383.7	1373.3	1330.6	1239.0	1142.9	1065.5	1042.9	1055.1	1090.6	1104.8	1223.2
30°	1515.0	1516.3	1472.8	1372.9	1245.7	1133.7	1091.0	1083.1	1104.0	1118.2	1245.7
32.5°	1655.6	1648.4	1608.7	1505.8	1357.0	1206.9	1122.0	1103.1	1117.8	1131.2	1277.1
35°	1787.7	1779.7	1745.5	1634.6	1479.5	1287.6	1163.8	1134.5	1150.4	1165.0	1315.6
37.5°	1913.6	1914.8	1875.9	1770.1	1598.3	1382.9	1225.7	1181.8	1198.9	1215.2	1374.1
40°	2023.5	2017.3	1987.2	1891.8	1721.6	1479.9	1295.5	1246.2	1279.6	1294.7	1448.1
42.5°	2058.7	2058.3	2070.0	2011.4	1851.3	1595.3	1382.5	1346.5	1393.8	1416.4	1538.9
45°	2028.1	2037.3	2105.1	2103.4	1980.9	1727.9	1501.2	1468.6	1536.8	1562.3	1649.7
47.5°	1998.0	2011.8	2103.8	2156.1	2097.1	1873.8	1647.2	1622.9	1720.8	1757.6	1764.7
50°	1954.1	1967.1	2076.7	2163.6	2168.2	2021.5	1836.2	1805.7	1931.5	1969.2	1889.7
52.5°	1905.2	1915.2	2028.6	2158.2	2202.1	2136.9	2021.5	2012.7	2157.4	2187.9	2016.9
55°	1635.1	1677.7	1957.9	2146.5	2225.5	2225.1	2201.7	2230.5	2403.7	2449.2	2158.6
57.5°	1479.9	1502.5	1758.8	2139.8	2269.4	2306.6	2387.8	2449.7	2666.7	2707.7	2315.0
60°	1429.3	1449.4	1658.9	2131.9	2356.8	2434.2	2569.7	2670.0	2949.4	2999.6	2489.8
62.5°	1383.3	1407.6	1618.3	2068.7	2462.6	2636.2	2786.7	2908.4	3247.5	3306.9	2663.8
65°	1289.6	1306.8	1543.9	2015.6	2563.0	2924.3	3099.9	3171.0	3536.5	3603.4	2779.2
67.5°	1127.8	1144.1	1376.2	1893.5	2628.2	3224.1	3442.4	3442.8	3759.8	3814.6	2803.4
70°	937.5	950.1	1134.5	1627.5	2492.3	3416.5	3751.4	3620.6	3822.9	3846.8	2688.0
72.5°	670.3	681.2	830.9	1203.1	2043.6	3260.5	3821.7	3613.0	3669.9	3662.4	2359.8
75°	413.2	434.1	508.9	734.3	1270.0	2565.5	3439.5	3273.9	3081.5	3060.6	1776.8
77.5°	269.3	280.2	344.2	433.2	560.4	1472.8	2612.3	2454.7	1945.8	1921.5	955.1
80°	161.8	179.8	225.4	272.2	253.8	563.3	1491.6	1219.4	687.5	680.0	293.6
82.5°	87.0	103.3	158.9	168.5	142.6	199.1	540.3	396.4	220.0	217.5	110.0
85°	69.0	76.9	114.2	106.6	80.7	100.8	210.8	165.2	112.9	110.4	41.4
87.5°	41.8	52.7	86.6	71.9	40.1	36.4	96.6	78.2	53.1	49.3	16.3
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: P672225  
 CATALOG NUMBER: CCP-SA-1E-727-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6	962.6
2.5°	966.0	968.1	970.2	966.0	967.7	965.6	965.6	965.6	960.1	958.5	963.5
5°	975.2	978.1	979.8	966.8	958.9	947.2	937.5	922.9	914.5	909.1	909.1
7.5°	994.0	997.3	989.8	961.0	932.9	901.6	869.4	842.6	823.4	815.0	817.5
10°	1021.6	1022.9	997.8	944.7	884.9	826.7	781.1	745.6	721.8	709.6	708.0
12.5°	1053.8	1048.4	999.4	908.7	820.0	741.8	686.2	640.2	609.7	598.0	592.1
15°	1085.6	1072.6	993.2	865.6	746.4	652.4	581.3	537.8	519.0	513.5	511.4
17.5°	1114.0	1089.8	972.3	803.7	661.1	547.8	495.5	480.1	482.2	487.2	489.3
20°	1139.9	1102.7	942.1	730.1	554.5	466.3	453.3	467.5	479.2	486.8	488.0
22.5°	1168.4	1115.3	900.3	640.6	467.1	428.6	444.1	460.4	472.1	479.6	480.9
25°	1190.1	1114.9	841.4	534.4	411.9	418.6	437.0	451.6	460.4	465.8	465.4
27.5°	1203.9	1104.8	764.0	447.0	390.2	411.5	429.0	438.7	443.7	447.9	447.4
30°	1208.1	1085.6	666.6	382.6	380.1	404.8	418.2	424.0	427.8	432.0	432.0
32.5°	1216.5	1055.9	559.1	346.7	372.6	398.1	406.0	410.6	407.7	397.3	395.2
35°	1225.7	1022.9	457.5	329.9	365.5	393.5	401.0	388.9	357.1	352.9	351.3
37.5°	1243.6	992.3	371.3	318.2	363.8	396.0	402.3	353.8	327.0	314.0	312.0
40°	1274.2	961.8	313.6	309.9	365.9	406.9	385.6	337.0	292.7	268.0	263.9
42.5°	1314.3	924.6	281.0	305.7	371.8	424.4	379.7	313.2	264.7	248.0	245.5
45°	1360.7	875.2	265.5	304.8	378.9	433.2	381.4	294.0	252.2	239.2	238.4
47.5°	1408.8	826.7	258.8	304.0	387.6	429.5	358.4	288.1	247.1	243.4	245.9
50°	1460.7	771.5	253.4	301.9	394.8	429.5	345.8	286.9	248.8	257.2	265.5
52.5°	1509.2	725.1	247.1	295.6	397.7	421.9	342.1	291.5	251.3	249.2	251.7
55°	1568.2	701.3	243.8	286.9	392.2	398.9	337.5	304.0	253.4	236.3	236.3
57.5°	1635.5	696.3	238.8	275.2	374.7	367.2	337.0	311.5	248.0	232.1	229.2
60°	1716.6	707.1	232.5	260.5	353.4	342.5	334.1	311.5	239.2	225.0	226.2
62.5°	1782.3	705.9	228.7	247.6	324.9	317.0	328.7	307.4	235.9	224.1	223.7
65°	1797.7	679.1	217.9	230.8	289.8	286.0	322.8	296.9	231.3	219.5	216.2
67.5°	1745.5	618.5	201.6	208.7	252.6	253.0	312.4	283.1	225.0	217.0	211.6
70°	1597.0	500.1	177.3	181.9	212.4	217.9	296.9	266.8	214.5	206.2	193.2
72.5°	1336.5	359.6	149.3	150.5	168.9	183.2	270.1	244.6	199.1	179.4	165.6
75°	989.4	238.8	121.7	120.0	126.7	148.9	230.8	220.0	179.0	148.9	141.8
77.5°	523.1	141.3	93.7	94.1	89.9	114.2	183.2	191.1	158.9	125.5	118.3
80°	179.0	84.9	67.3	70.3	63.6	81.5	135.9	158.9	135.9	104.5	92.4
82.5°	82.0	51.9	48.1	50.2	45.6	55.2	93.3	120.4	108.3	76.1	61.5
85°	41.4	30.9	30.9	33.9	30.1	28.4	51.4	79.9	79.5	52.3	45.2
87.5°	17.1	15.1	14.2	16.3	14.2	10.9	14.6	28.9	41.8	31.4	20.1
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)