

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: P672268

Luminaire Tested: **CCP-SA-1D-750-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672268  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-750-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

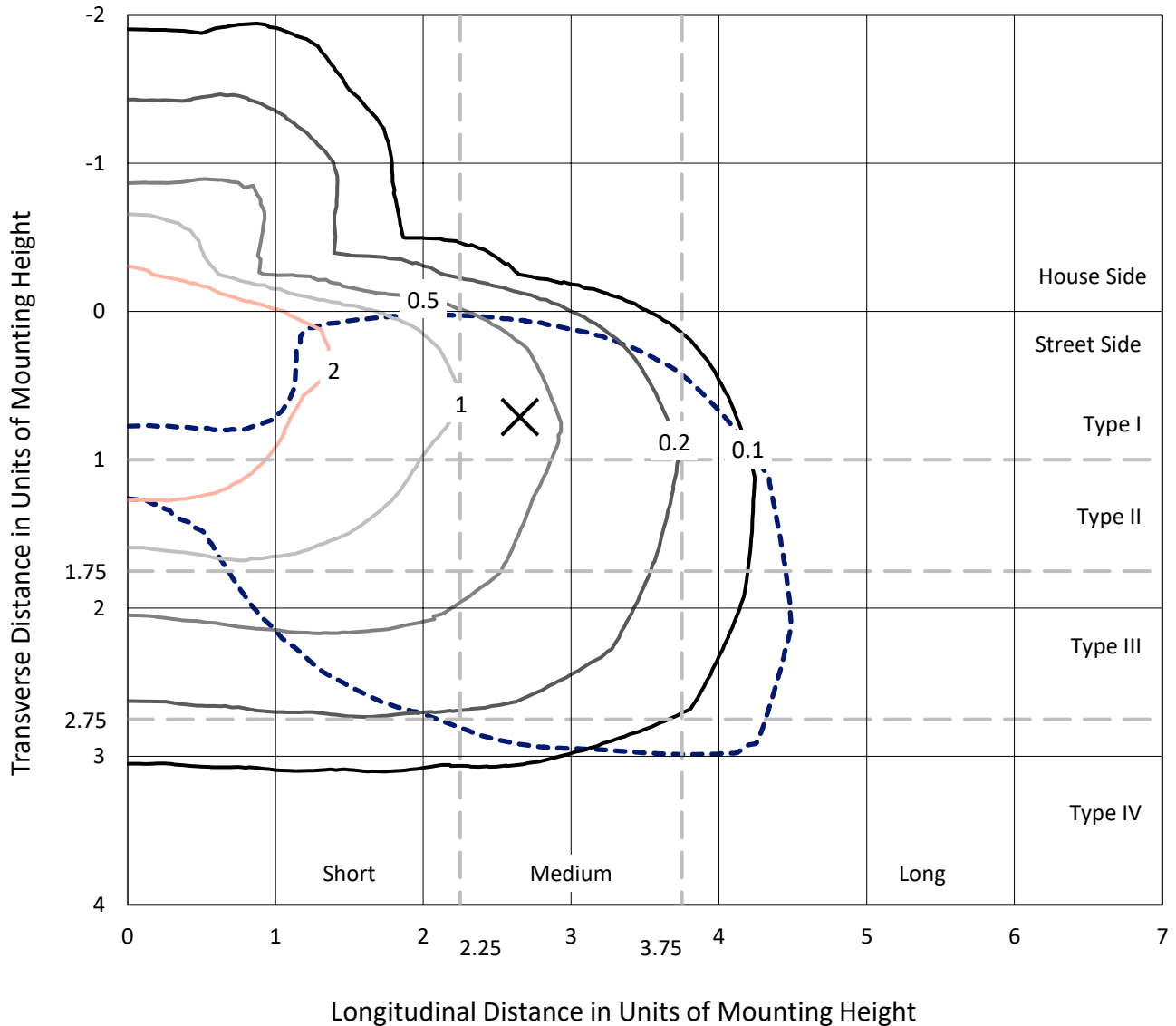
Lumens per Lamp: N/A  
Luminaire Lumens: 5798 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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

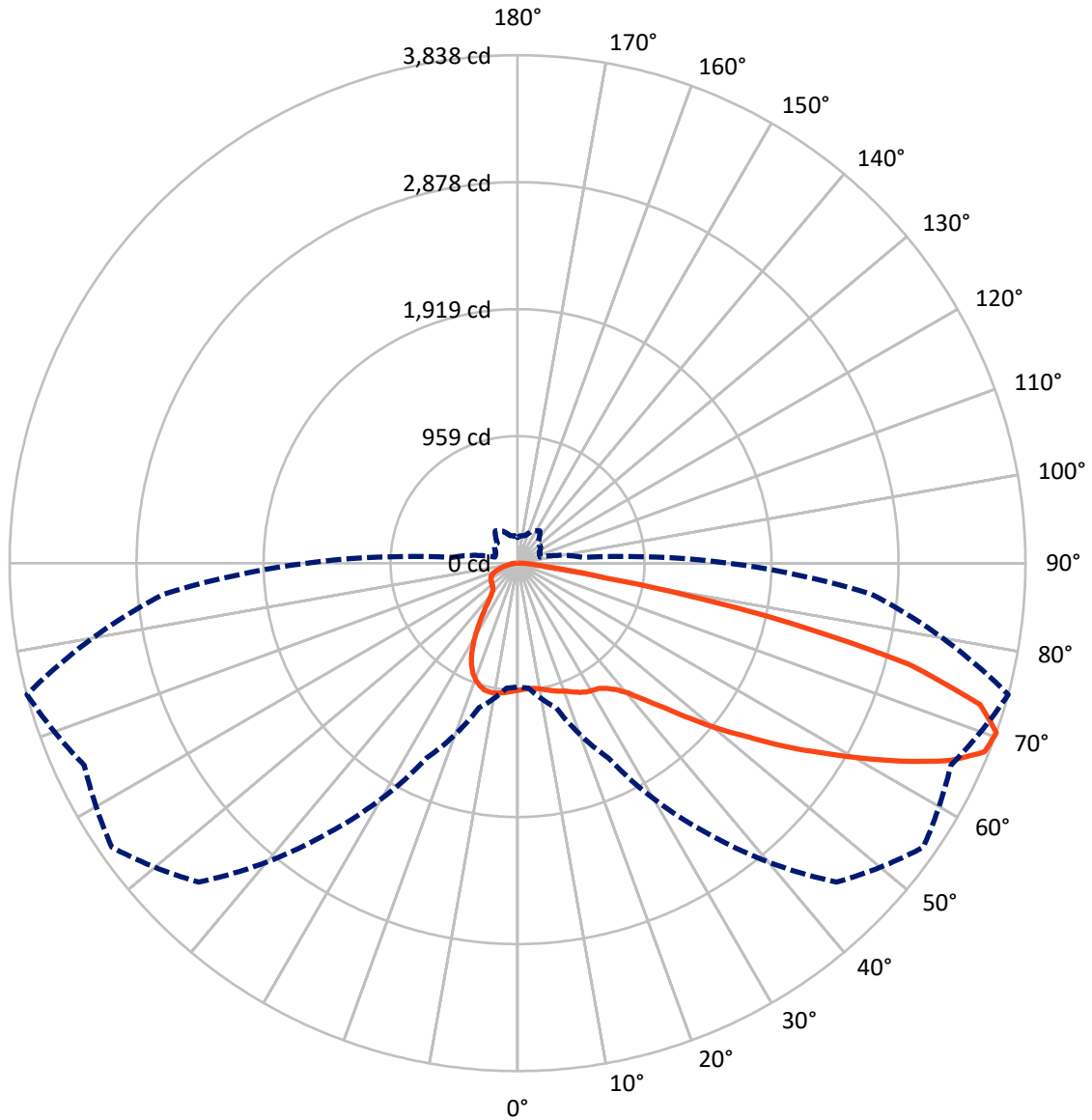
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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



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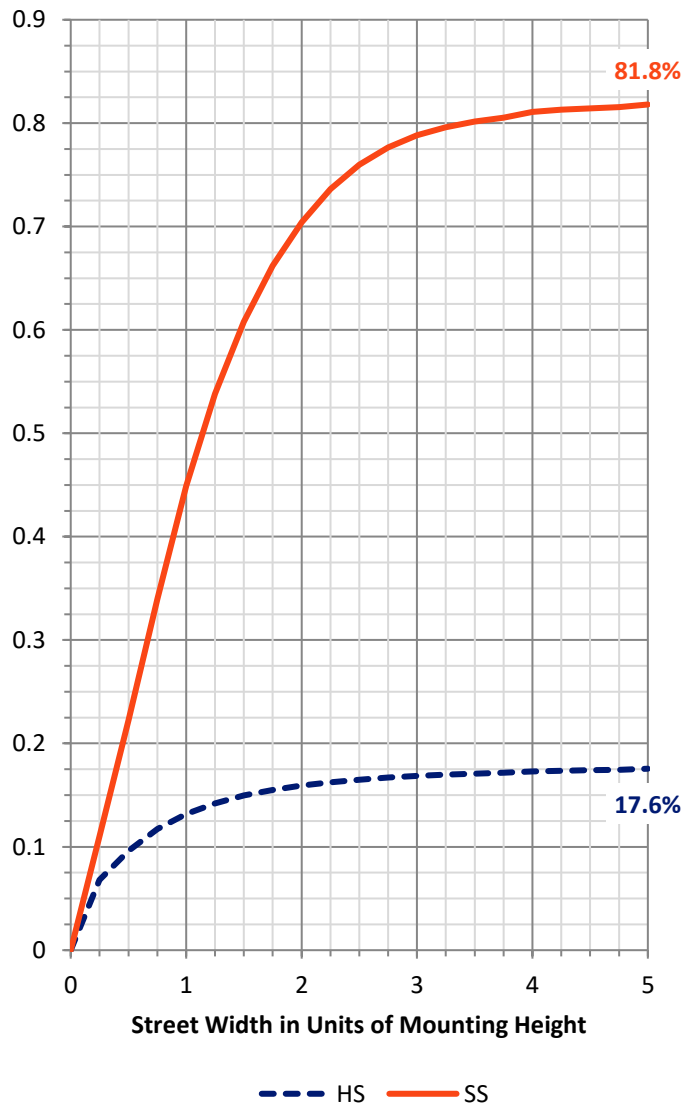
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1031.5	0.0	1031.5
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	4766.5	0.0	4766.5
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	5798.0	0.0	5798.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	1.5
10°-20°	230.3	4.0
20°-30°	387.9	6.7
30°-40°	589.2	10.2
40°-50°	844.1	14.6
50°-60°	1119.1	19.3
60°-70°	1400.5	24.2
70°-80°	1022.7	17.6
80°-90°	117.9	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°	5798.0	100.0
0°-180°	5798.0	100.0



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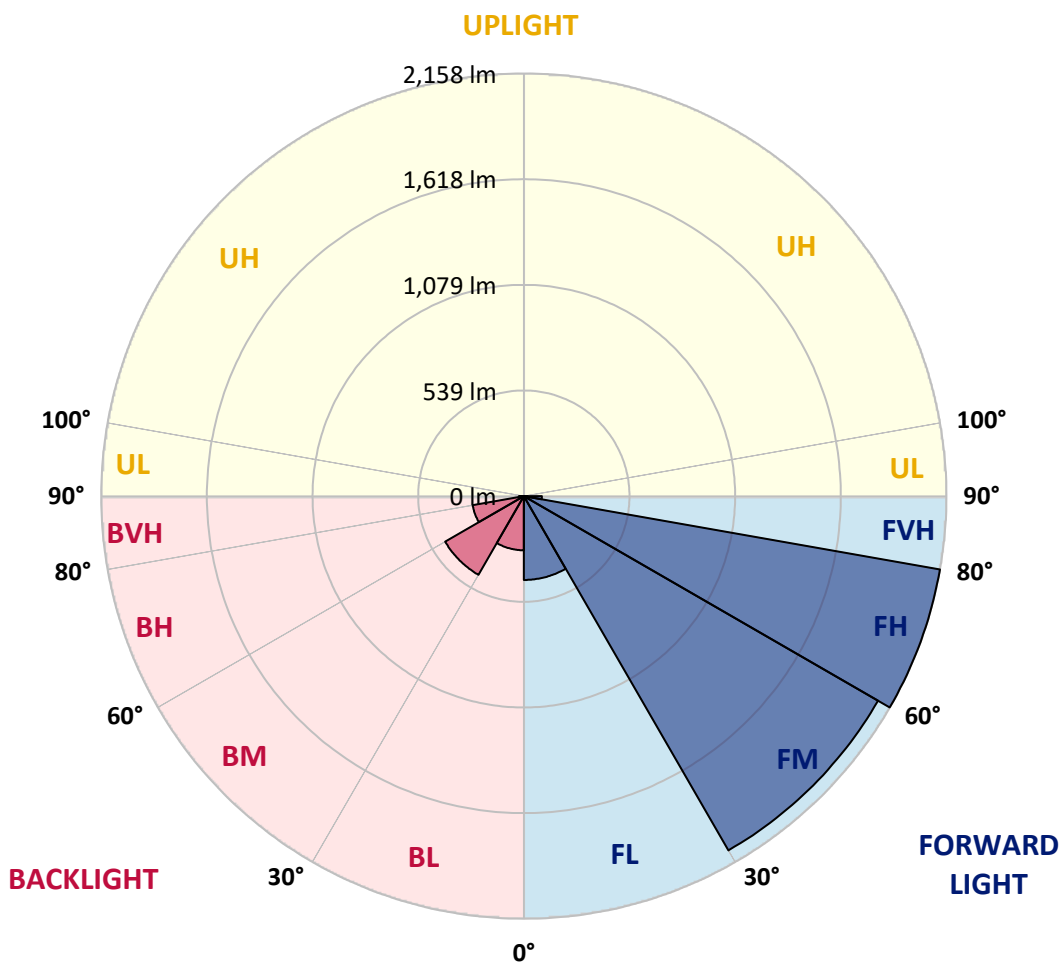
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.9	7.4			
FM (30°-60°)	2088.6	36.0			
FH (60°-80°)	2157.9	37.2			G2/5000
FVH (80°-90°)	92.0	1.6			G1/100
BL (0°-30°)	276.5	4.8	B1/500		
BM (30°-60°)	463.8	8.0	B1/1000		
BH (60°-80°)	265.3	4.6	B1/500		G1/500
BVH (80°-90°)	25.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	907.8	912.9	917.4	922.0	925.8	935.8	937.9	948.7	951.7	954.2	957.5
5°	856.9	860.7	865.3	872.8	880.7	898.7	911.2	935.0	948.3	952.5	964.2
7.5°	829.4	830.7	836.9	843.2	852.4	869.9	887.0	924.1	950.8	955.4	980.4
10°	809.4	811.1	816.9	825.7	834.8	851.1	872.4	916.6	960.0	967.1	1002.6
12.5°	802.3	801.5	808.1	814.0	826.9	847.3	869.5	917.0	972.5	982.5	1034.7
15°	830.7	825.2	829.4	827.3	831.5	851.5	877.8	926.2	987.9	1000.5	1068.1
17.5°	893.2	888.7	885.7	867.8	856.1	867.4	892.4	939.1	1004.2	1017.6	1098.1
20°	986.7	973.8	962.9	932.9	900.3	896.6	914.1	952.1	1019.7	1032.6	1129.8
22.5°	1093.1	1082.7	1065.1	1012.6	962.1	937.0	941.6	975.8	1042.2	1056.4	1166.1
25°	1227.4	1227.0	1191.1	1120.2	1043.9	993.4	983.8	1013.8	1067.6	1081.4	1196.1
27.5°	1380.5	1370.1	1327.6	1236.2	1140.2	1063.0	1040.5	1052.6	1088.1	1102.3	1220.3
30°	1511.5	1512.8	1469.4	1369.7	1242.9	1131.1	1088.5	1080.6	1101.4	1115.6	1242.9
32.5°	1651.7	1644.6	1605.0	1502.4	1353.8	1204.1	1119.4	1100.6	1115.2	1128.5	1274.2
35°	1783.6	1775.6	1741.4	1630.9	1476.1	1284.6	1161.1	1131.9	1147.7	1162.3	1312.5
37.5°	1909.1	1910.4	1871.6	1766.0	1594.6	1379.7	1222.8	1179.0	1196.1	1212.4	1370.9
40°	2018.9	2012.6	1982.6	1887.4	1717.6	1476.5	1292.5	1243.3	1276.7	1291.7	1444.8
42.5°	2053.9	2053.5	2065.2	2006.8	1847.0	1591.6	1379.3	1343.4	1390.6	1413.1	1535.3
45°	2023.5	2032.6	2100.2	2098.6	1976.3	1723.9	1497.8	1465.2	1533.2	1558.7	1645.9
47.5°	1993.4	2007.2	2099.0	2151.1	2092.3	1869.5	1643.4	1619.2	1716.8	1753.5	1760.6
50°	1949.6	1962.5	2071.9	2158.6	2163.2	2016.8	1832.0	1801.5	1927.1	1964.6	1885.4
52.5°	1900.8	1910.8	2023.9	2153.2	2197.0	2131.9	2016.8	2008.0	2152.4	2182.8	2012.2
55°	1631.3	1673.8	1953.4	2141.5	2220.4	2220.0	2196.6	2225.4	2398.1	2443.6	2153.6
57.5°	1476.5	1499.0	1754.8	2134.9	2264.2	2301.3	2382.3	2444.0	2660.5	2701.4	2309.7
60°	1426.0	1446.0	1655.1	2126.9	2351.4	2428.6	2563.7	2663.9	2942.6	2992.6	2484.1
62.5°	1380.1	1404.3	1614.6	2063.9	2456.9	2630.1	2780.3	2901.7	3240.0	3299.3	2657.6
65°	1286.7	1303.8	1540.3	2010.9	2557.1	2917.5	3092.8	3163.7	3528.3	3595.1	2772.8
67.5°	1125.2	1141.5	1373.0	1889.1	2622.2	3216.7	3434.5	3434.9	3751.1	3805.8	2797.0
70°	935.4	947.9	1131.9	1623.8	2486.6	3408.6	3742.8	3612.2	3814.1	3837.9	2681.8
72.5°	668.8	679.6	829.0	1200.3	2038.9	3253.0	3812.9	3604.7	3661.4	3653.9	2354.3
75°	412.2	433.1	507.7	732.6	1267.1	2559.6	3431.5	3266.3	3074.4	3053.5	1772.7
77.5°	268.7	279.5	343.4	432.2	559.1	1469.4	2606.3	2449.0	1941.3	1917.1	952.9
80°	161.5	179.4	224.9	271.6	253.2	562.0	1488.2	1216.6	685.9	678.4	292.9
82.5°	86.8	103.1	158.5	168.1	142.3	198.6	539.0	395.5	219.5	216.9	109.7
85°	68.8	76.8	113.9	106.4	80.5	100.5	210.3	164.8	112.6	110.1	41.3
87.5°	41.7	52.6	86.4	71.8	40.1	36.3	96.4	78.0	53.0	49.2	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	963.8	965.8	967.9	963.8	965.4	963.3	963.3	963.3	957.9	956.2	961.2
5°	972.9	975.8	977.5	964.6	956.7	945.0	935.4	920.8	912.4	907.0	907.0
7.5°	991.7	995.0	987.5	958.7	930.8	899.5	867.4	840.7	821.5	813.1	815.6
10°	1019.2	1020.5	995.5	942.5	882.8	824.8	779.3	743.9	720.1	708.0	706.3
12.5°	1051.4	1045.9	997.1	906.6	818.1	740.1	684.6	638.7	608.3	596.6	590.8
15°	1083.1	1070.1	990.9	863.6	744.7	650.8	579.9	536.5	517.8	512.3	510.2
17.5°	1111.4	1087.2	970.0	801.9	659.6	546.5	494.4	479.0	481.0	486.0	488.1
20°	1137.3	1100.2	940.0	728.4	553.2	465.2	452.3	466.4	478.1	485.6	486.9
22.5°	1165.7	1112.7	898.2	639.2	466.0	427.6	443.1	459.3	471.0	478.5	479.8
25°	1187.4	1112.3	839.4	533.2	410.9	417.6	436.0	450.6	459.3	464.8	464.4
27.5°	1201.1	1102.3	762.2	446.0	389.3	410.5	428.1	437.7	442.7	446.8	446.4
30°	1205.3	1083.1	665.0	381.7	379.2	403.9	417.2	423.0	426.8	431.0	431.0
32.5°	1213.7	1053.5	557.8	345.9	371.7	397.2	405.1	409.7	406.8	396.3	394.3
35°	1222.8	1020.5	456.4	329.2	364.6	392.6	400.1	388.0	356.3	352.1	350.5
37.5°	1240.8	990.0	370.5	317.5	363.0	395.1	401.4	353.0	326.3	313.3	311.2
40°	1271.2	959.6	312.9	309.2	365.1	405.9	384.7	336.3	292.0	267.4	263.3
42.5°	1311.3	922.4	280.4	305.0	370.9	423.5	378.8	312.5	264.1	247.4	244.9
45°	1357.6	873.2	264.9	304.1	378.0	432.2	380.5	293.3	251.6	238.6	237.8
47.5°	1405.6	824.8	258.3	303.3	386.8	428.5	357.5	287.5	246.6	242.8	245.3
50°	1457.3	769.7	252.8	301.2	393.8	428.5	345.0	286.2	248.2	256.6	264.9
52.5°	1505.7	723.4	246.6	295.0	396.8	421.0	341.3	290.8	250.7	248.7	251.2
55°	1564.5	699.7	243.2	286.2	391.3	398.0	336.7	303.3	252.8	235.7	235.7
57.5°	1631.7	694.7	238.2	274.5	373.8	366.3	336.3	310.8	247.4	231.6	228.6
60°	1712.6	705.5	232.0	259.9	352.5	341.7	333.3	310.8	238.6	224.5	225.7
62.5°	1778.1	704.2	228.2	247.0	324.2	316.2	327.9	306.6	235.3	223.6	223.2
65°	1793.6	677.5	217.4	230.3	289.1	285.4	322.1	296.2	230.7	219.0	215.7
67.5°	1741.4	617.1	201.1	208.2	252.0	252.4	311.7	282.4	224.5	216.5	211.1
70°	1593.3	499.0	176.9	181.5	211.9	217.4	296.2	266.2	214.0	205.7	192.8
72.5°	1333.4	358.8	148.9	150.2	168.6	182.7	269.5	244.1	198.6	179.0	165.2
75°	987.1	238.2	121.4	119.7	126.4	148.5	230.3	219.5	178.6	148.5	141.4
77.5°	521.9	141.0	93.5	93.9	89.7	113.9	182.7	190.7	158.5	125.2	118.1
80°	178.6	84.7	67.2	70.1	63.4	81.4	135.6	158.5	135.6	104.3	92.2
82.5°	81.8	51.7	48.0	50.1	45.5	55.1	93.0	120.2	108.1	75.9	61.3
85°	41.3	30.9	30.9	33.8	30.0	28.4	51.3	79.7	79.3	52.2	45.1
87.5°	17.1	15.0	14.2	16.3	14.2	10.8	14.6	28.8	41.7	31.3	20.0
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)