

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: P671117

Luminaire Tested: **CCP-SA-1E-750-U-T4W**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671117  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-750-U-T4W  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

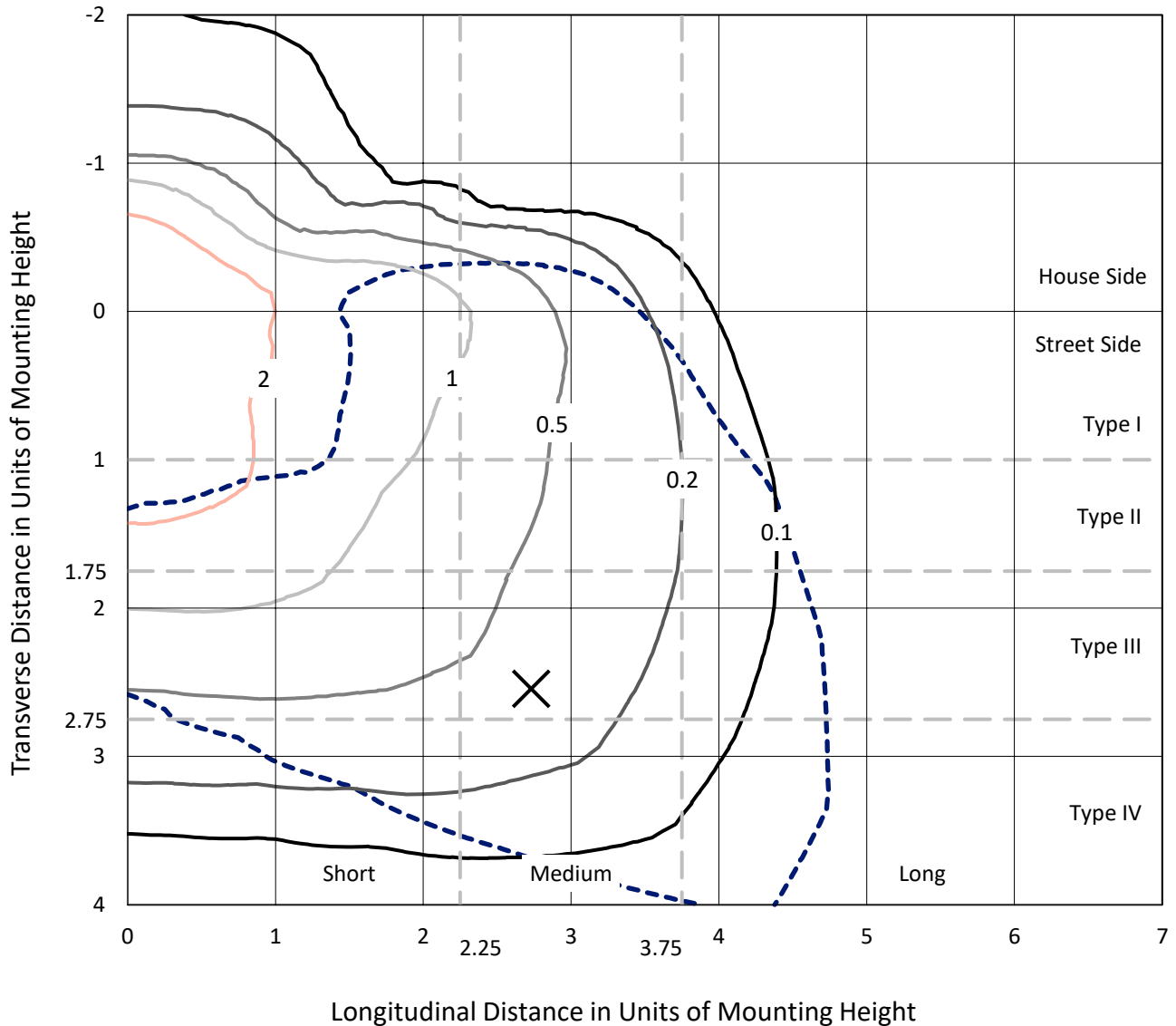
Lumens per Lamp: N/A  
Luminaire Lumens: 7055.3 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

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: P671117  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

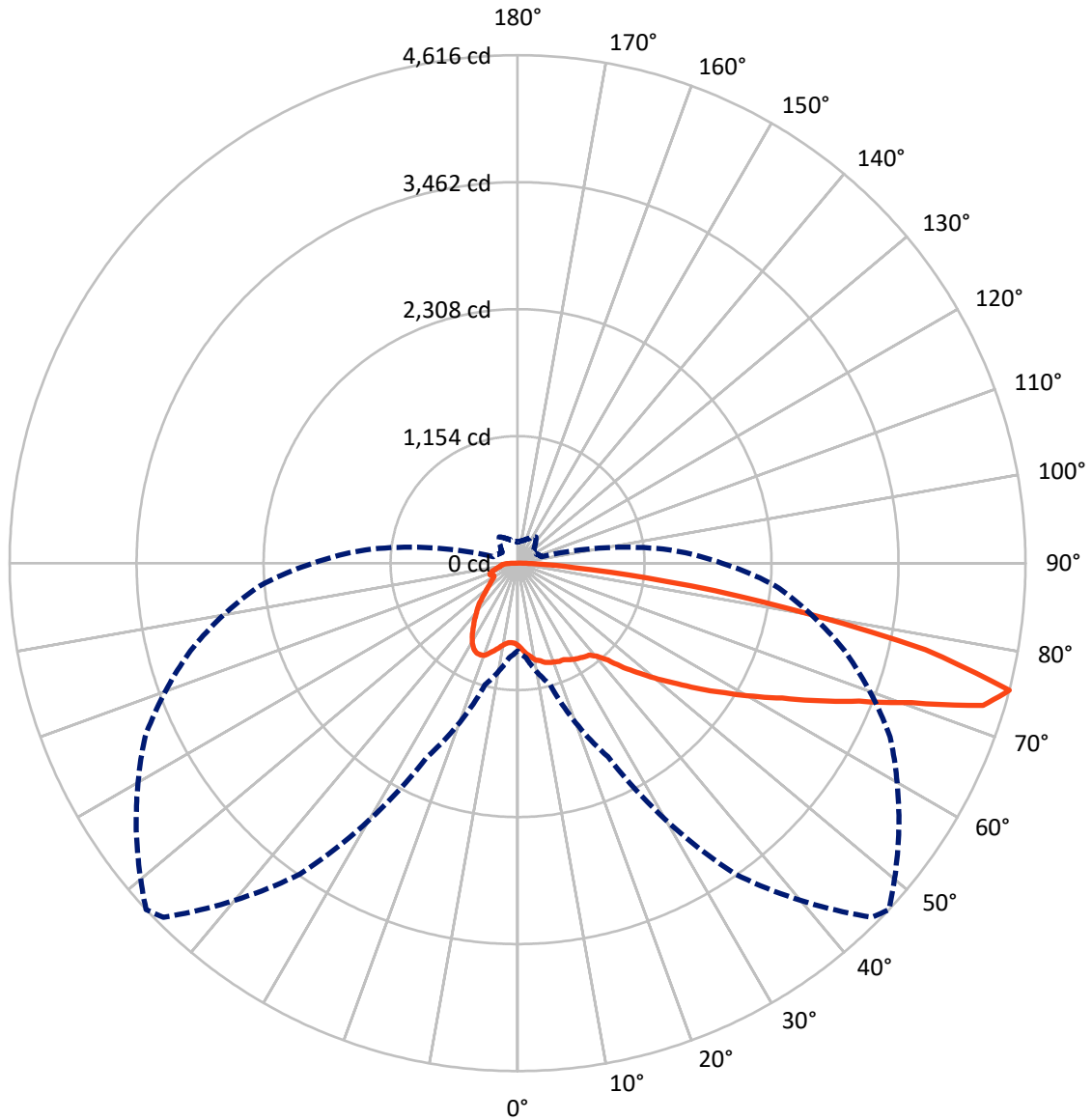
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P671117  
CATALOG NUMBER: CCP-SA-1E-750-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P671117  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4W

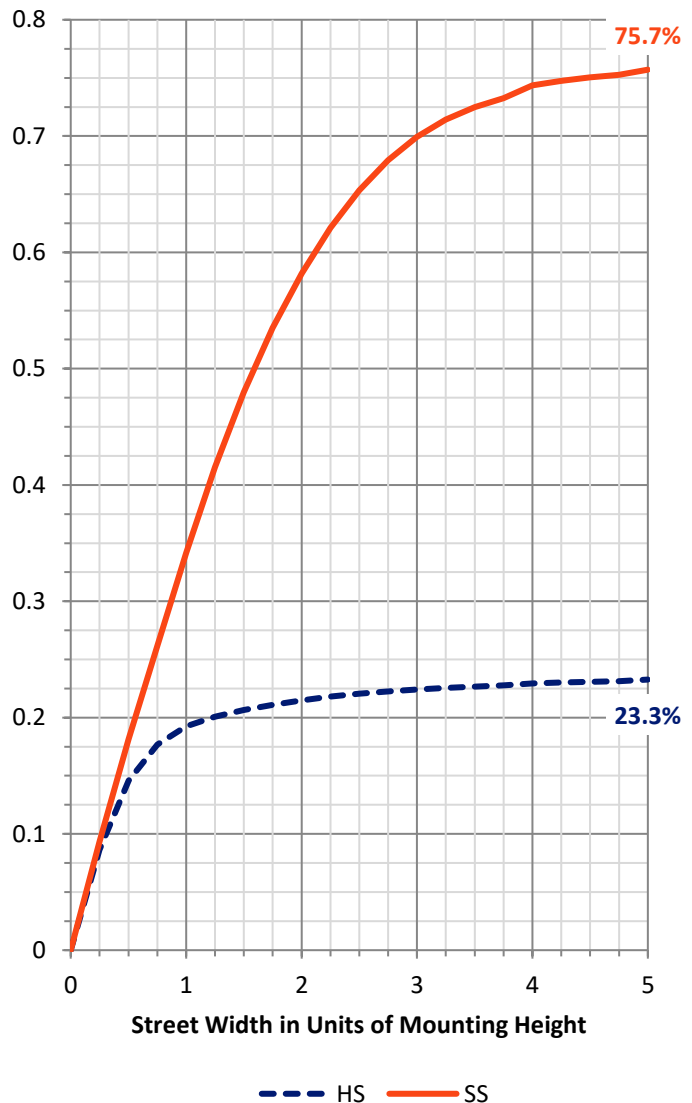
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1687.3	0.0	1687.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5368.0	0.0	5368.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	7055.3	0.0	7055.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.7	1.1
10°-20°	251.5	3.6
20°-30°	430.8	6.1
30°-40°	602.7	8.5
40°-50°	840.4	11.9
50°-60°	1256.1	17.8
60°-70°	1811.0	25.7
70°-80°	1541.6	21.8
80°-90°	245.6	3.5
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°	7055.3	100.0
0°-180°	7055.3	100.0

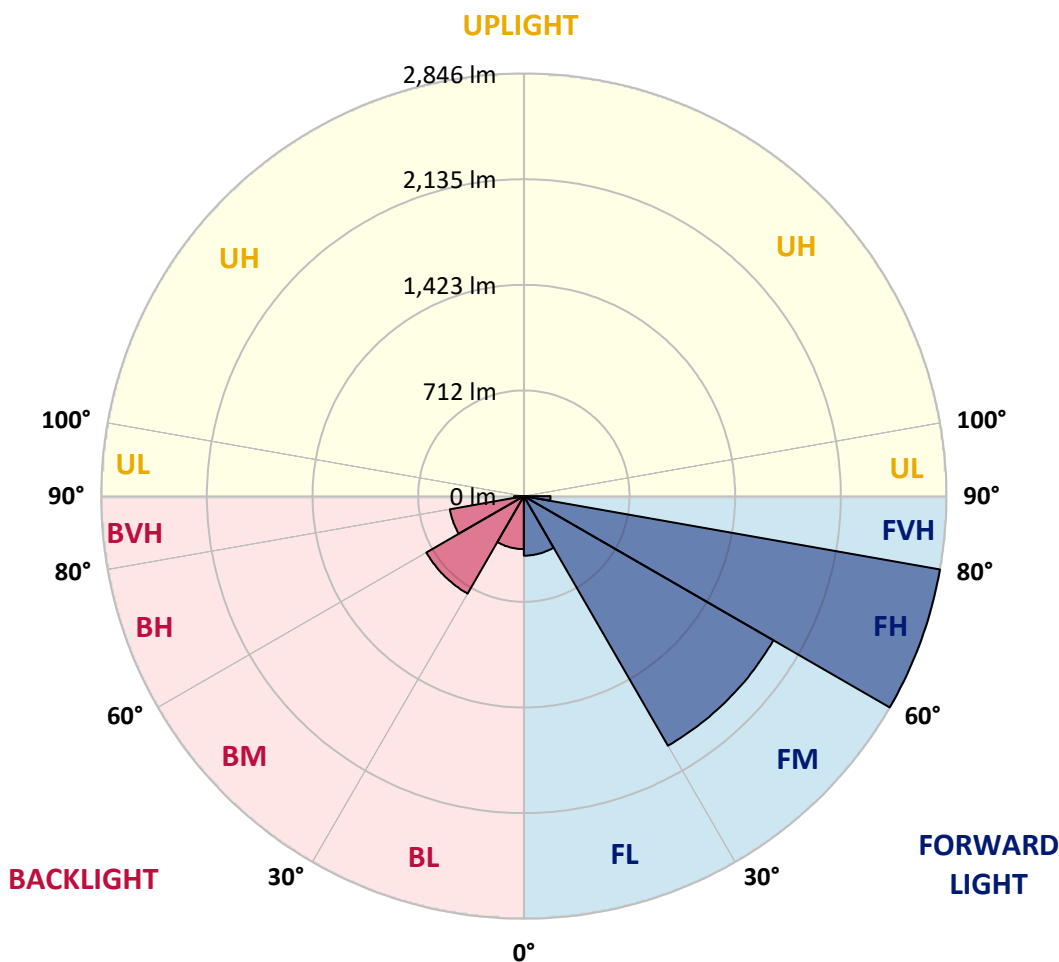


REPORT NUMBER: P671117  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.9	5.7			
FM (30°-60°)	1940.9	27.5			
FH (60°-80°)	2846.4	40.3			G2/5000
FVH (80°-90°)	179.9	2.6			G2/225
BL (0°-30°)	357.1	5.1	B1/500		
BM (30°-60°)	758.3	10.7	B1/1000		
BH (60°-80°)	506.2	7.2	B2/1000		G2/1000
BVH (80°-90°)	65.6	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Medium





REPORT NUMBER: P671117

CATALOG NUMBER: CCP-SA-1E-750-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1
2.5°	803.2	805.8	805.8	800.6	795.5	785.2	785.2	774.9	769.7	756.8	751.7
5°	877.8	870.1	862.4	859.8	846.9	828.9	826.4	816.1	787.7	774.9	756.8
7.5°	931.9	929.3	926.8	916.5	893.3	865.0	857.2	841.8	813.5	787.7	767.1
10°	975.7	986.0	975.7	952.5	929.3	898.4	895.9	867.5	841.8	810.9	785.2
12.5°	1024.6	1027.2	1009.1	980.8	944.8	919.0	908.7	898.4	870.1	844.4	805.8
15°	1058.0	1052.9	1040.0	1001.4	960.2	934.5	937.0	924.2	893.3	875.3	834.1
17.5°	1058.0	1058.0	1037.4	1009.1	973.1	949.9	949.9	942.2	921.6	895.9	867.5
20°	1037.4	1037.4	1024.6	1009.1	967.9	962.8	957.6	952.5	952.5	929.3	888.1
22.5°	1011.7	1006.6	1011.7	986.0	957.6	962.8	970.5	967.9	960.2	939.6	911.3
25°	986.0	988.5	993.7	975.7	949.9	973.1	970.5	983.4	978.2	962.8	939.6
27.5°	983.4	988.5	991.1	973.1	962.8	983.4	993.7	1006.6	1009.1	993.7	965.4
30°	1022.0	1019.4	1016.9	993.7	986.0	1004.0	1014.3	1032.3	1047.7	1014.3	991.1
32.5°	1122.4	1107.0	1091.5	1029.7	1006.6	1019.4	1029.7	1055.5	1058.0	1040.0	1006.6
35°	1282.0	1271.7	1220.2	1112.1	1047.7	1034.9	1045.2	1063.2	1068.3	1055.5	1029.7
37.5°	1464.8	1459.6	1387.6	1256.3	1132.7	1070.9	1060.6	1086.4	1107.0	1078.6	1042.6
40°	1645.0	1624.4	1572.9	1444.2	1240.8	1125.0	1112.1	1125.0	1132.7	1112.1	1088.9
42.5°	1807.2	1784.0	1771.1	1642.4	1382.4	1215.1	1204.8	1173.9	1197.1	1171.3	1140.4
45°	1943.6	1938.5	1933.3	1822.6	1544.6	1361.8	1354.1	1274.3	1300.0	1279.4	1235.7
47.5°	2041.4	2064.6	2056.9	1995.1	1729.9	1518.8	1495.7	1392.7	1431.3	1410.7	1367.0
50°	2157.3	2170.1	2162.4	2121.2	1902.4	1699.0	1655.3	1549.7	1593.5	1590.9	1567.8
52.5°	2260.2	2298.9	2255.1	2252.5	2149.6	1894.7	1820.0	1719.6	1791.7	1820.0	1817.5
55°	2381.2	2412.1	2399.3	2394.1	2370.9	2085.2	2018.3	1897.3	2018.3	2059.4	2095.5
57.5°	2484.2	2481.6	2530.5	2589.8	2618.1	2304.0	2224.2	2082.6	2265.4	2311.7	2412.1
60°	2530.5	2574.3	2656.7	2806.0	2885.8	2538.3	2455.9	2342.6	2515.1	2551.1	2736.5
62.5°	2561.4	2600.1	2759.7	3011.9	3058.3	2777.7	2700.5	2587.2	2788.0	2813.7	3089.2
65°	2476.5	2512.5	2829.2	3089.2	3253.9	3035.1	3017.1	2898.7	3060.9	3076.3	3459.9
67.5°	2378.7	2417.3	2770.0	3187.0	3513.9	3377.5	3349.2	3207.6	3331.2	3313.1	3743.0
70°	2206.2	2257.7	2618.1	3271.9	3802.3	3856.3	3799.7	3598.9	3611.8	3441.9	3755.9
72.5°	1681.0	1714.5	2049.2	2934.7	3936.1	4520.5	4422.7	4021.1	3874.3	3467.6	3315.7
75°	798.0	859.8	1143.0	1941.0	3449.6	4551.4	4615.7	4229.6	3735.3	3076.3	2350.3
77.5°	231.7	231.7	347.5	823.8	2162.4	3668.4	3789.4	3591.2	3081.5	2278.3	1235.7
80°	126.1	133.9	182.8	290.9	949.9	2314.3	2489.4	2381.2	1814.9	901.0	319.2
82.5°	72.1	74.7	121.0	175.1	432.5	1258.8	1361.8	1235.7	689.9	272.9	149.3
85°	41.2	43.8	69.5	115.8	257.4	463.4	504.6	437.6	278.0	182.8	74.7
87.5°	20.6	20.6	33.5	54.1	131.3	131.3	128.7	157.0	167.3	110.7	33.5
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: P671117  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1	749.1
2.5°	749.1	746.6	746.6	736.3	733.7	726.0	726.0	720.8	718.2	726.0	726.0
5°	751.7	738.8	736.3	726.0	728.5	723.4	733.7	728.5	726.0	726.0	723.4
7.5°	756.8	744.0	733.7	726.0	723.4	731.1	744.0	744.0	759.4	751.7	751.7
10°	769.7	762.0	749.1	744.0	744.0	751.7	767.1	777.4	790.3	790.3	782.6
12.5°	800.6	787.7	772.3	764.6	774.9	782.6	798.0	808.3	823.8	828.9	823.8
15°	823.8	810.9	805.8	800.6	808.3	818.6	831.5	841.8	859.8	865.0	862.4
17.5°	854.7	839.2	836.7	839.2	844.4	852.1	859.8	867.5	880.4	880.4	880.4
20°	870.1	865.0	862.4	870.1	880.4	890.7	885.6	880.4	877.8	883.0	880.4
22.5°	898.4	893.3	895.9	903.6	903.6	898.4	890.7	872.7	867.5	872.7	867.5
25°	924.2	919.0	919.0	913.9	911.3	893.3	877.8	862.4	844.4	852.1	849.5
27.5°	949.9	947.3	947.3	926.8	901.0	870.1	849.5	831.5	821.2	834.1	826.4
30°	980.8	983.4	970.5	921.6	859.8	826.4	803.2	800.6	798.0	805.8	803.2
32.5°	1009.1	1011.7	991.1	913.9	828.9	764.6	741.4	744.0	756.8	769.7	782.6
35°	1024.6	1037.4	1011.7	888.1	767.1	695.1	669.3	692.5	715.7	733.7	746.6
37.5°	1052.9	1086.4	1042.6	859.8	713.1	633.3	615.3	623.0	651.3	679.6	692.5
40°	1094.1	1132.7	1050.3	805.8	641.0	571.5	561.2	563.8	574.1	592.1	605.0
42.5°	1166.2	1207.4	1058.0	736.3	568.9	532.9	504.6	496.8	489.1	489.1	486.5
45°	1271.7	1310.3	1047.7	648.7	496.8	471.1	450.5	432.5	411.9	378.4	383.6
47.5°	1426.2	1457.1	1055.5	571.5	429.9	409.3	393.9	373.3	342.4	306.3	303.8
50°	1660.4	1614.1	1045.2	491.7	381.0	363.0	350.1	321.8	285.7	260.0	257.4
52.5°	1933.3	1840.6	1034.9	424.8	339.8	324.4	314.1	283.2	249.7	236.8	234.3
55°	2262.8	2129.0	1050.3	365.6	308.9	296.0	285.7	257.4	231.7	221.4	218.8
57.5°	2651.5	2440.4	1135.3	319.2	275.5	270.3	267.7	244.6	221.4	213.7	211.1
60°	3017.1	2739.1	1191.9	285.7	244.6	249.7	254.9	244.6	218.8	213.7	213.7
62.5°	3323.4	2986.2	1101.8	257.4	229.1	244.6	267.7	260.0	249.7	254.9	249.7
65°	3593.7	3071.2	823.8	242.0	221.4	257.4	296.0	293.5	270.3	275.5	272.9
67.5°	3640.1	2968.2	538.0	229.1	216.2	283.2	332.1	301.2	254.9	254.9	247.1
70°	3447.0	2692.7	360.4	216.2	213.7	283.2	339.8	283.2	239.4	239.4	229.1
72.5°	2829.2	2152.1	278.0	203.4	195.6	252.3	321.8	267.7	224.0	218.8	200.8
75°	1858.7	1387.6	226.5	193.1	169.9	221.4	290.9	247.1	213.7	198.2	190.5
77.5°	911.3	623.0	190.5	169.9	146.7	193.1	265.2	234.3	200.8	185.4	180.2
80°	249.7	224.0	159.6	149.3	123.6	167.3	249.7	224.0	187.9	172.5	164.8
82.5°	141.6	139.0	128.7	121.0	103.0	167.3	252.3	224.0	177.6	175.1	149.3
85°	77.2	82.4	92.7	90.1	79.8	149.3	239.4	195.6	144.2	121.0	121.0
87.5°	30.9	38.6	46.3	51.5	54.1	110.7	180.2	149.3	110.7	92.7	92.7
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)