

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: P672096

Luminaire Tested: **CCP-SA-2C-730-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672096  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-730-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

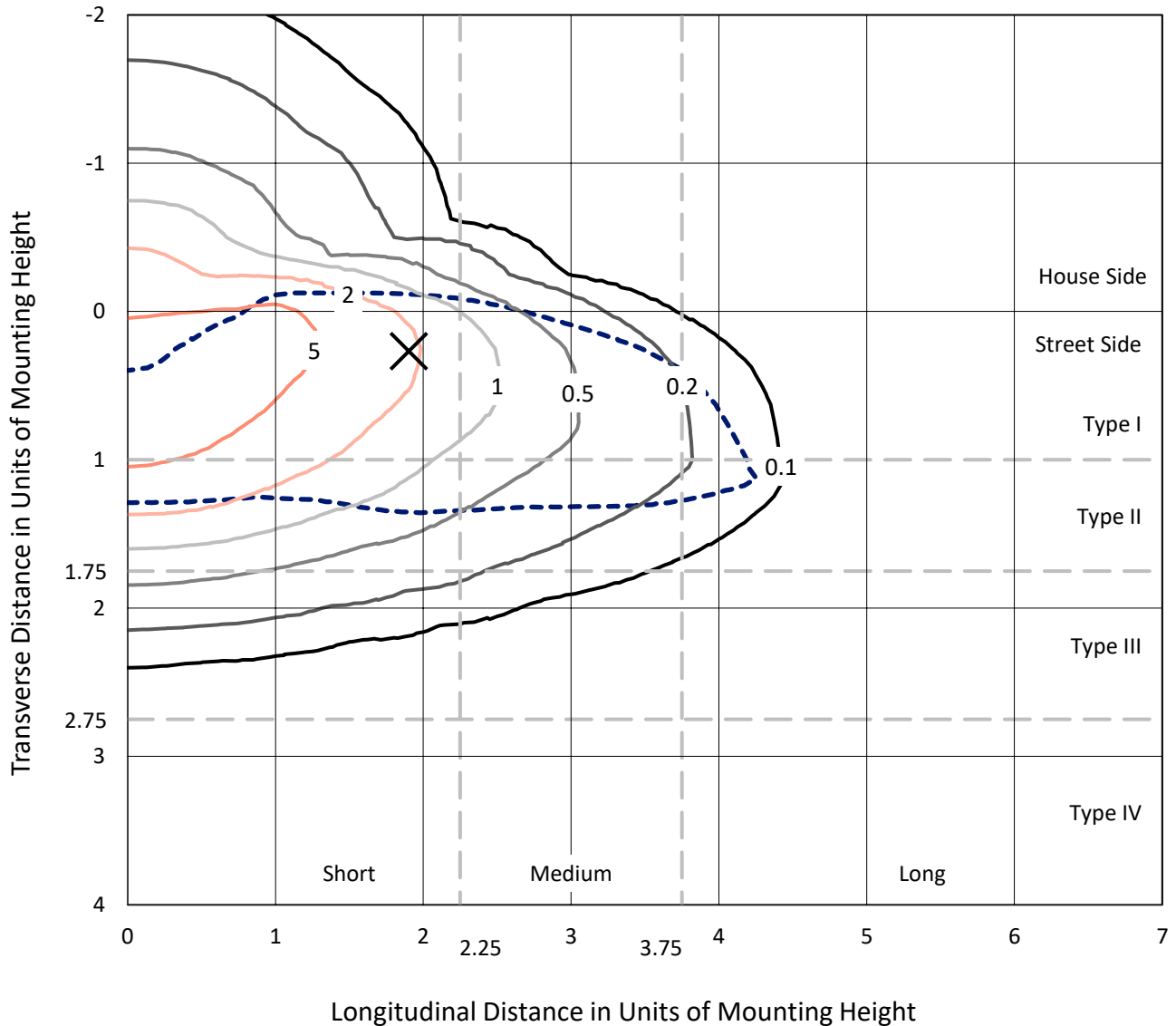
Lumens per Lamp: N/A  
Luminaire Lumens: 8363 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1  
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: P672096  
 CATALOG NUMBER: CCP-SA-2C-730-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

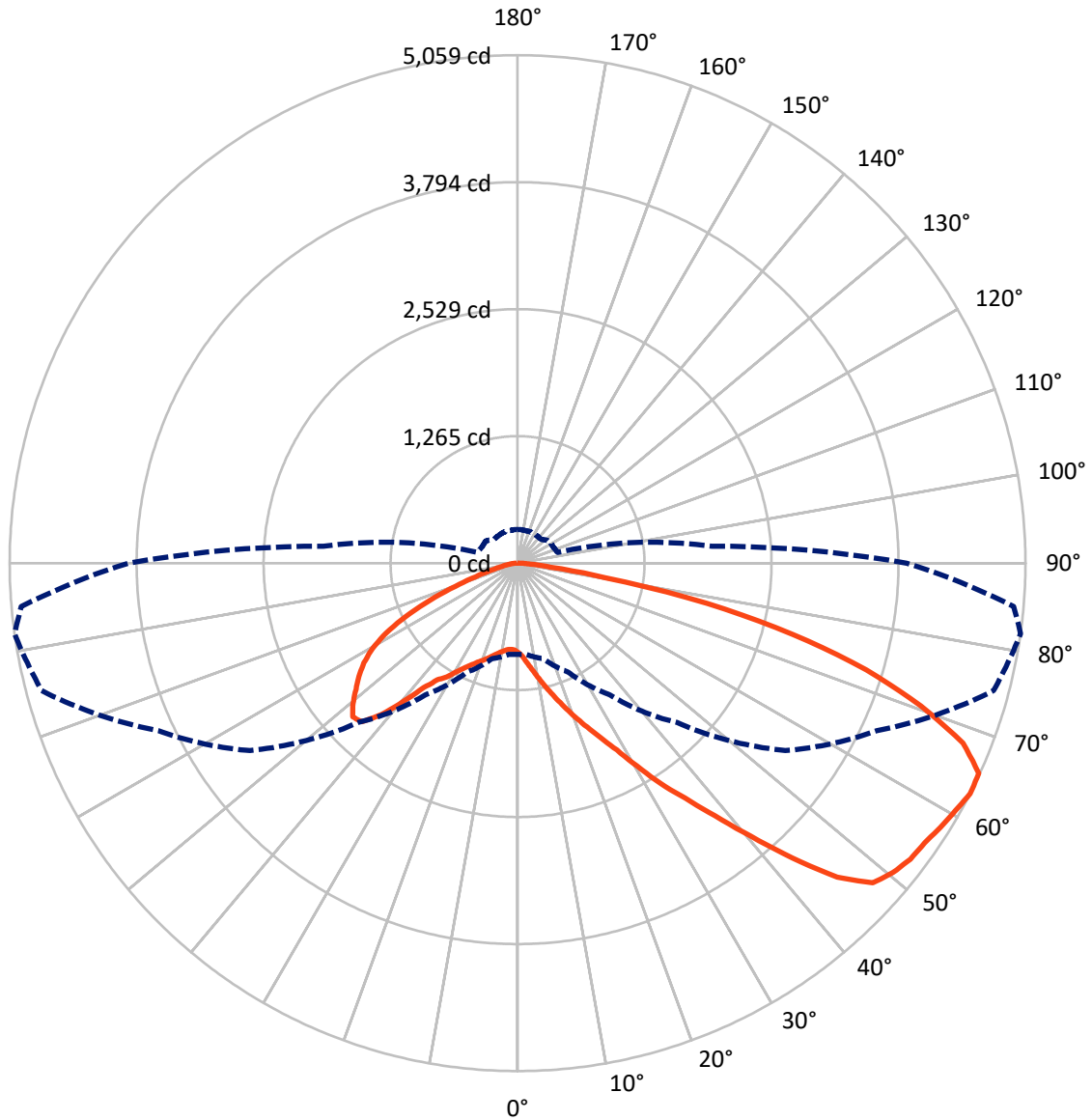
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P672096  
CATALOG NUMBER: CCP-SA-2C-730-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P672096

CATALOG NUMBER: CCP-SA-2C-730-U-T2R

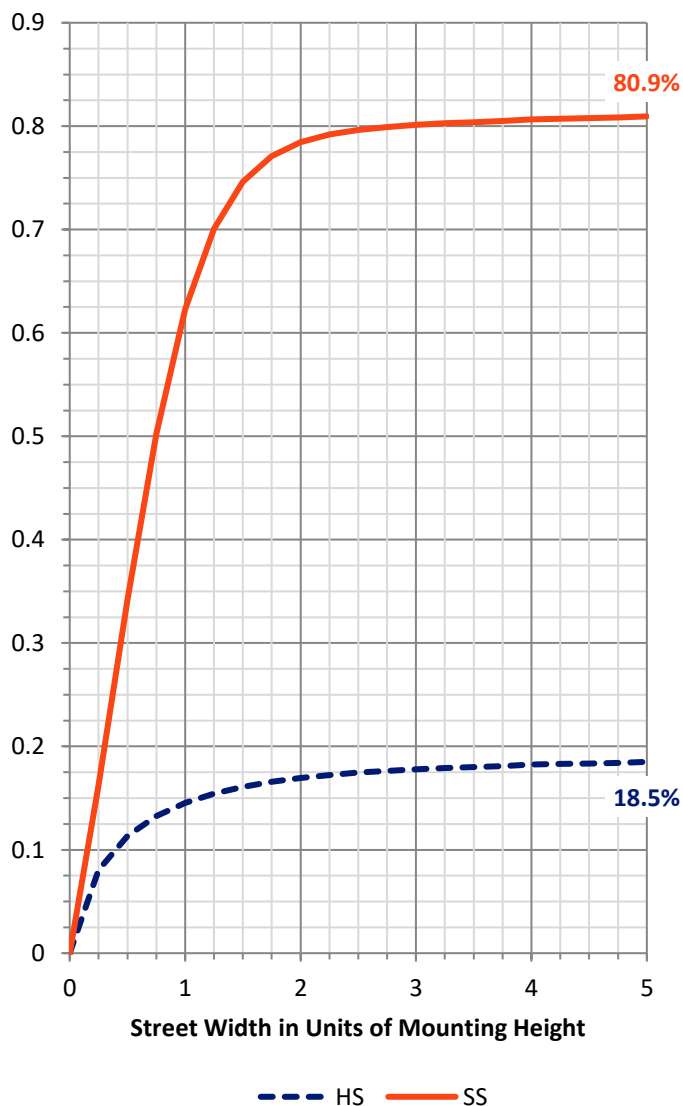
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1575.6	0.0	1575.6
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	6787.4	0.0	6787.4
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	8363.0	0.0	8363.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	1.2
10°-20°	371.2	4.4
20°-30°	768.7	9.2
30°-40°	1304.7	15.6
40°-50°	1776.7	21.2
50°-60°	1798.4	21.5
60°-70°	1417.4	16.9
70°-80°	698.2	8.3
80°-90°	129.2	1.5
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°	8363.0	100.0
0°-180°	8363.0	100.0



REPORT NUMBER: P672096

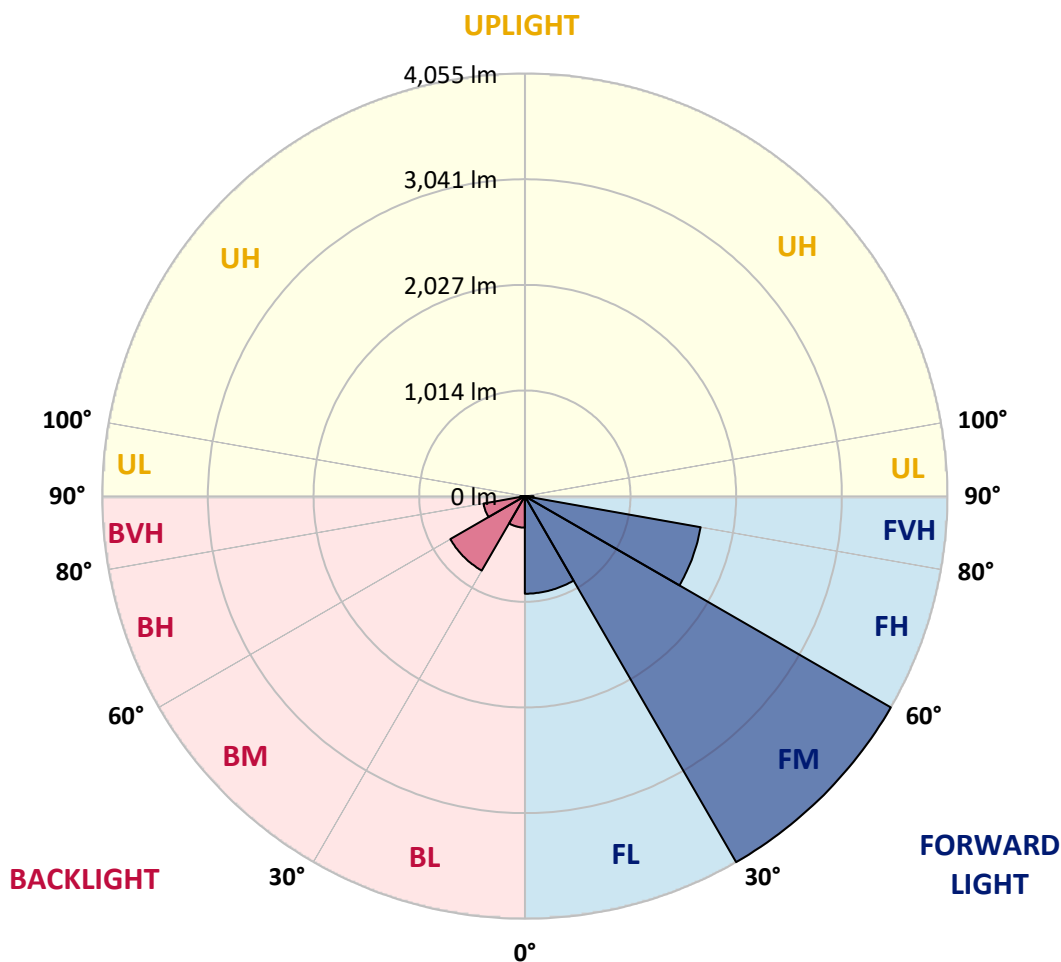
CATALOG NUMBER: CCP-SA-2C-730-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.0	11.2			
FM (30°-60°)	4054.7	48.5			
FH (60°-80°)	1712.9	20.5			G1/1800
FVH (80°-90°)	83.9	1.0			G1/100
BL (0°-30°)	302.3	3.6	B1/500		
BM (30°-60°)	825.3	9.9	B1/1000		
BH (60°-80°)	402.8	4.8	B1/500		G1/500
BVH (80°-90°)	45.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P672096  
 CATALOG NUMBER: CCP-SA-2C-730-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
2.5°	1184.4	1166.3	1156.7	1145.9	1115.7	1096.5	1060.4	1018.2	969.4	927.9	920.1
5°	1434.3	1416.2	1418.6	1392.1	1348.2	1307.2	1239.8	1160.3	1067.6	996.5	971.8
7.5°	1610.7	1590.8	1595.6	1584.8	1549.3	1504.1	1418.6	1316.3	1180.8	1075.4	1035.7
10°	1728.7	1731.1	1734.7	1730.5	1707.6	1675.7	1590.8	1477.6	1309.0	1168.7	1114.5
12.5°	1862.4	1869.0	1867.8	1869.6	1857.6	1832.3	1749.2	1642.6	1445.7	1269.3	1198.8
15°	2032.8	2026.2	2031.6	2039.4	2026.2	1998.5	1925.0	1798.6	1589.0	1381.3	1294.0
17.5°	2219.5	2205.6	2220.1	2212.2	2202.6	2184.5	2103.8	1969.0	1737.1	1502.3	1400.0
20°	2380.8	2371.8	2379.6	2380.8	2382.6	2379.0	2295.9	2152.6	1892.5	1634.2	1514.4
22.5°	2562.1	2557.9	2556.6	2557.2	2559.1	2563.3	2506.7	2353.7	2064.7	1772.7	1637.8
25°	2815.6	2811.3	2783.7	2752.9	2734.9	2748.1	2718.6	2581.9	2255.0	1928.0	1773.3
27.5°	3099.8	3093.1	3056.4	2978.7	2920.9	2930.6	2927.6	2833.6	2474.2	2106.3	1935.9
30°	3394.8	3378.6	3328.0	3219.0	3128.1	3111.2	3119.6	3088.3	2749.9	2342.9	2162.3
32.5°	3657.9	3627.8	3561.0	3450.8	3342.4	3293.7	3294.9	3308.7	3049.8	2618.7	2399.5
35°	3818.7	3798.8	3748.9	3637.5	3516.4	3483.9	3474.9	3544.1	3325.0	2874.0	2612.0
37.5°	3905.4	3886.2	3832.6	3742.8	3651.3	3638.1	3654.9	3762.1	3637.5	3192.5	2901.1
40°	3889.8	3869.3	3834.4	3771.7	3711.5	3721.8	3796.4	3962.0	3978.9	3573.6	3312.9
42.5°	3760.9	3739.2	3736.2	3732.0	3703.7	3748.9	3883.7	4108.3	4292.6	4013.8	3811.5
45°	3533.3	3520.1	3535.7	3608.0	3643.5	3730.8	3924.7	4179.4	4568.4	4461.2	4283.0
47.5°	3244.9	3237.1	3272.6	3387.0	3502.0	3675.4	3951.8	4198.7	4758.0	4758.0	4591.8
50°	2922.1	2919.1	2966.1	3132.3	3312.3	3573.6	3948.8	4216.7	4841.1	4845.3	4700.8
52.5°	2471.7	2487.4	2612.6	2831.8	3076.3	3414.1	3906.6	4267.3	4888.1	4897.7	4773.7
55°	1952.7	1967.8	2156.8	2451.9	2765.0	3220.2	3780.8	4252.2	4897.1	4918.8	4815.2
57.5°	1558.9	1561.9	1679.9	2030.4	2418.2	2972.1	3635.7	4152.3	4870.6	4965.2	4879.1
60°	1219.9	1229.6	1308.4	1586.0	2015.9	2652.4	3473.7	4053.5	4885.7	5009.1	4936.9
62.5°	908.6	911.0	984.5	1199.4	1601.7	2244.7	3253.9	3948.2	4906.8	5058.5	4960.4
65°	591.9	591.3	662.3	856.2	1196.4	1804.6	2908.9	3783.2	4908.6	5047.7	4852.6
67.5°	376.3	378.7	409.4	531.7	800.8	1362.0	2439.2	3476.7	4823.1	4785.1	4460.0
70°	305.3	305.9	315.5	347.4	487.7	930.9	1833.5	2997.4	4552.7	4261.9	3876.5
72.5°	272.2	272.8	277.6	281.2	325.2	559.4	1203.1	2433.8	4072.2	3632.7	3216.0
75°	244.5	244.5	247.5	243.9	266.7	351.0	682.8	1829.9	3353.9	2828.8	2429.6
77.5°	214.4	213.8	213.8	212.0	230.6	256.5	342.0	1277.1	2415.7	1929.2	1575.8
80°	181.8	180.6	182.4	181.2	199.3	194.5	199.3	788.2	1309.6	884.5	670.8
82.5°	141.5	141.5	146.9	148.1	164.4	140.9	140.3	373.9	497.4	330.6	247.5
85°	74.1	83.1	112.0	116.8	124.0	88.5	103.0	174.6	199.3	126.4	90.3
87.5°	22.3	23.5	68.6	77.1	76.5	44.6	63.2	84.3	93.3	56.0	36.7
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: P672096  
 CATALOG NUMBER: CCP-SA-2C-730-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
2.5°	900.2	879.1	834.6	794.8	764.7	735.8	715.9	705.7	692.5	694.3	690.0
5°	927.9	884.5	805.7	741.8	699.1	666.6	646.7	636.5	626.8	622.0	625.6
7.5°	969.4	902.0	791.8	714.7	670.2	642.5	631.6	628.6	626.2	624.4	627.4
10°	1023.0	932.7	789.4	705.1	664.2	647.3	643.1	641.3	638.9	636.5	638.3
12.5°	1077.8	966.4	797.8	707.5	673.8	661.1	655.7	653.3	647.3	644.3	644.9
15°	1146.5	1007.4	809.3	717.1	686.4	670.2	662.9	656.3	646.7	642.5	644.3
17.5°	1219.9	1056.1	824.9	726.2	691.2	671.4	656.9	647.3	637.7	631.6	632.2
20°	1303.0	1104.3	838.8	729.2	688.8	661.1	643.7	632.2	619.6	613.0	611.2
22.5°	1389.1	1154.9	849.6	726.8	675.6	643.7	623.8	610.0	594.9	584.7	585.3
25°	1493.9	1223.5	858.6	718.3	658.1	620.8	598.5	581.1	565.4	555.8	556.4
27.5°	1619.7	1301.2	869.5	705.1	637.1	596.1	570.2	552.8	537.7	528.7	527.5
30°	1787.7	1402.4	881.5	688.8	610.6	569.0	543.7	525.7	511.2	502.8	502.8
32.5°	1976.8	1525.8	889.9	669.6	581.1	540.1	517.2	502.8	491.9	480.5	479.3
35°	2141.2	1621.5	915.8	654.5	555.2	513.0	497.4	487.1	470.9	460.0	458.2
37.5°	2382.6	1790.1	992.3	650.3	523.9	491.9	488.9	469.7	451.0	430.5	428.7
40°	2771.6	2082.2	1081.4	629.8	491.3	480.5	477.5	451.6	407.6	395.0	392.6
42.5°	3266.6	2433.8	1091.1	570.2	468.5	470.9	461.8	411.3	392.0	382.4	379.9
45°	3713.3	2719.2	1036.3	509.4	451.6	456.4	437.7	396.2	385.4	376.3	373.9
47.5°	3964.4	2807.1	932.7	463.6	439.0	443.8	399.2	389.0	378.1	369.1	366.7
50°	4034.9	2730.7	812.3	437.1	429.3	431.1	389.0	383.0	373.3	366.1	362.5
52.5°	4048.7	2616.3	700.9	421.5	422.1	405.8	379.9	375.1	369.1	357.7	353.5
55°	4054.7	2513.3	600.9	411.9	417.3	373.3	370.3	366.7	361.9	349.8	347.4
57.5°	4070.4	2381.4	522.6	404.6	411.3	358.3	359.5	357.1	351.0	345.6	344.4
60°	4025.8	2199.0	462.4	397.4	402.8	345.6	346.8	348.0	342.6	341.4	340.8
62.5°	3876.5	1940.1	411.3	387.8	385.4	333.0	333.0	337.8	333.0	334.8	334.8
65°	3568.8	1610.1	365.5	369.7	358.3	319.1	318.5	327.0	319.7	327.6	328.2
67.5°	3044.4	1218.7	318.5	341.4	330.0	304.7	307.1	313.7	304.1	320.3	320.3
70°	2409.7	829.1	269.8	301.7	301.1	288.4	296.2	295.6	284.8	308.9	304.7
72.5°	1795.0	532.3	219.8	252.9	263.1	271.0	285.4	272.8	262.5	276.4	263.7
75°	1254.2	333.6	173.4	199.9	219.2	251.7	272.2	246.9	231.8	227.6	224.0
77.5°	750.9	213.2	136.7	152.3	171.0	228.8	255.3	219.8	196.9	194.5	187.3
80°	346.2	139.1	104.2	113.8	121.6	196.3	232.4	187.9	160.2	157.8	149.3
82.5°	156.6	91.5	77.7	81.3	81.9	156.0	196.3	148.7	122.2	198.1	171.6
85°	72.9	59.0	50.6	48.2	48.8	104.2	142.7	102.4	139.1	108.4	82.5
87.5°	31.3	30.1	25.9	20.5	18.7	22.3	54.8	42.8	60.8	24.1	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

(END OF REPORT)