

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: P672118

Luminaire Tested: **CCP-SA-2C-740-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672118  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-740-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

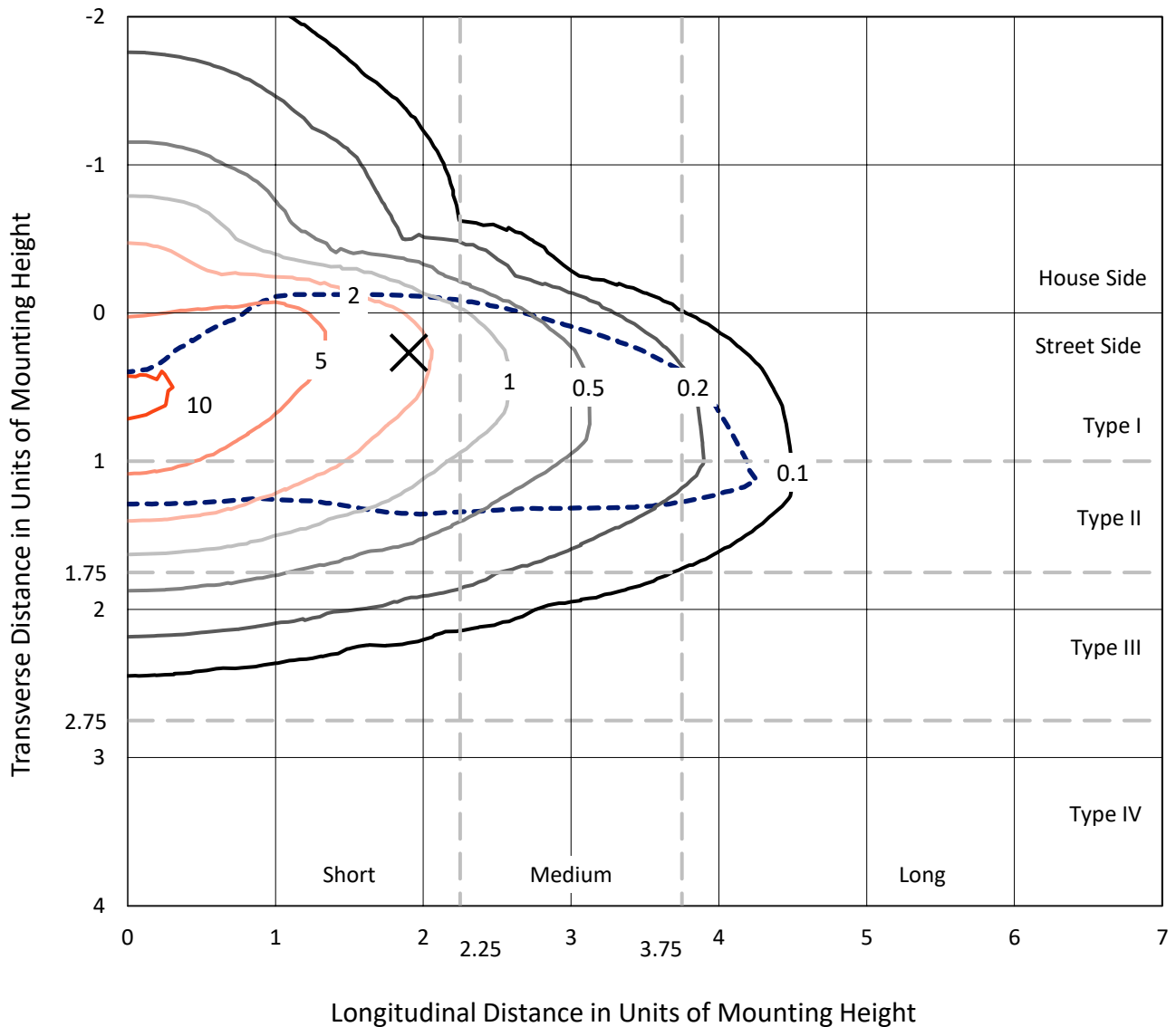
Lumens per Lamp: N/A  
Luminaire Lumens: 9184 lumens  
Efficiency: N/A  
Efficacy: 147.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

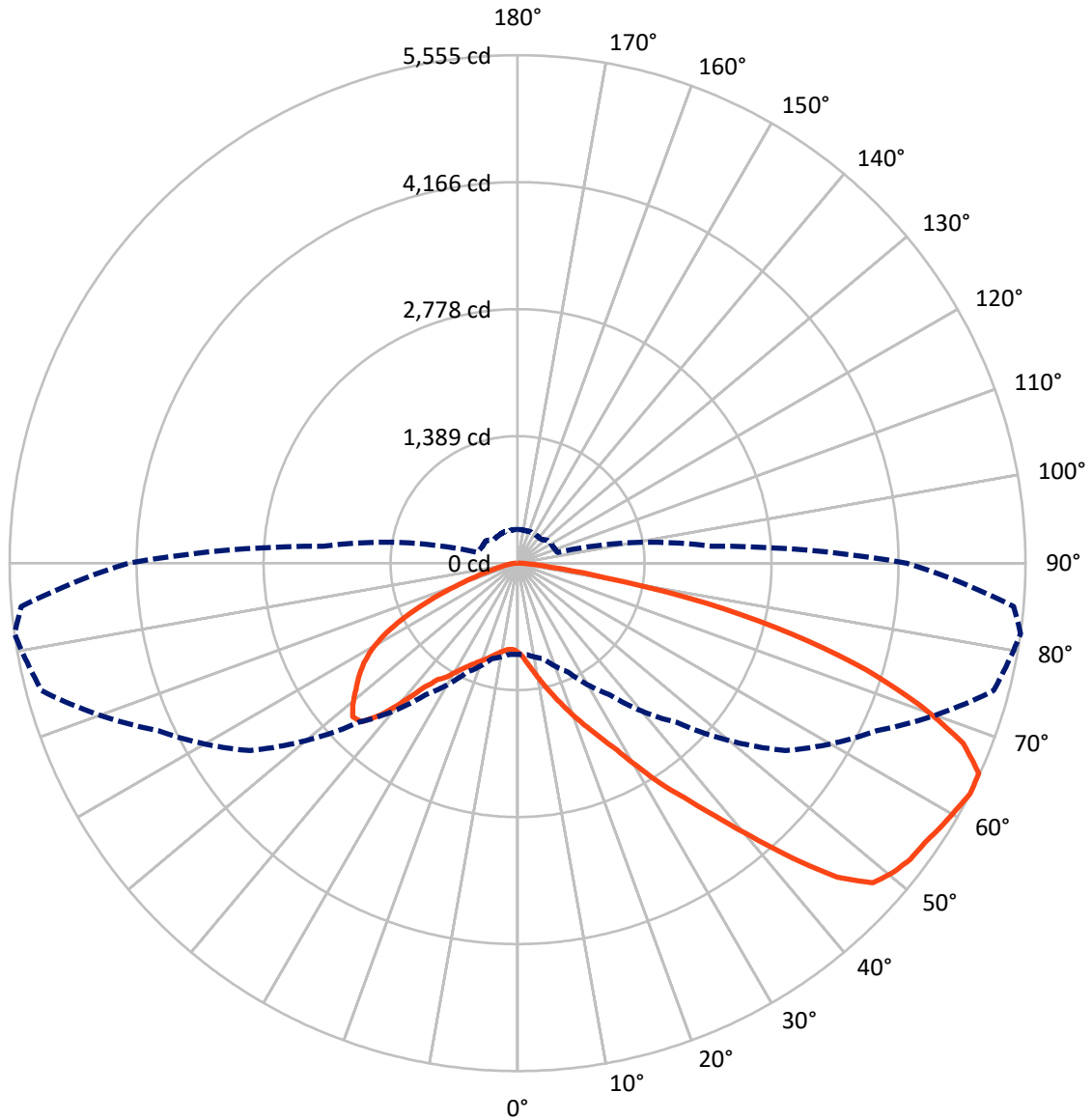
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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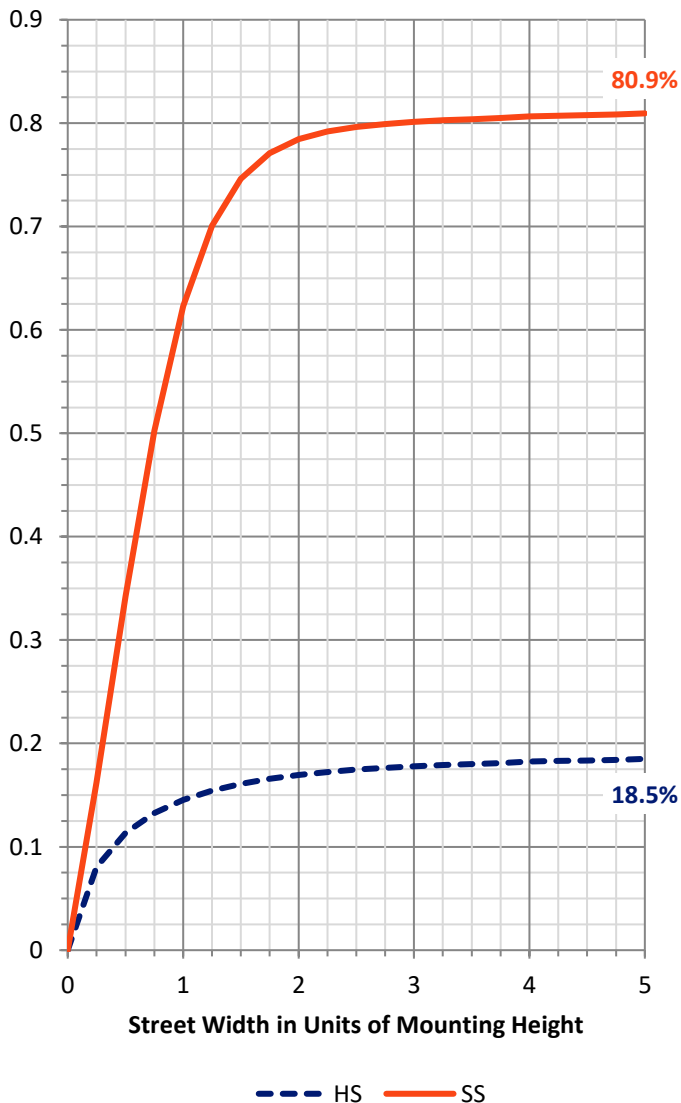
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1730.2	0.0	1730.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	7453.8	0.0	7453.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	9184.0	0.0	9184.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	1.2
10°-20°	407.6	4.4
20°-30°	844.2	9.2
30°-40°	1432.8	15.6
40°-50°	1951.2	21.2
50°-60°	1975.0	21.5
60°-70°	1556.5	16.9
70°-80°	766.8	8.3
80°-90°	141.8	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°	9184.0	100.0
0°-180°	9184.0	100.0



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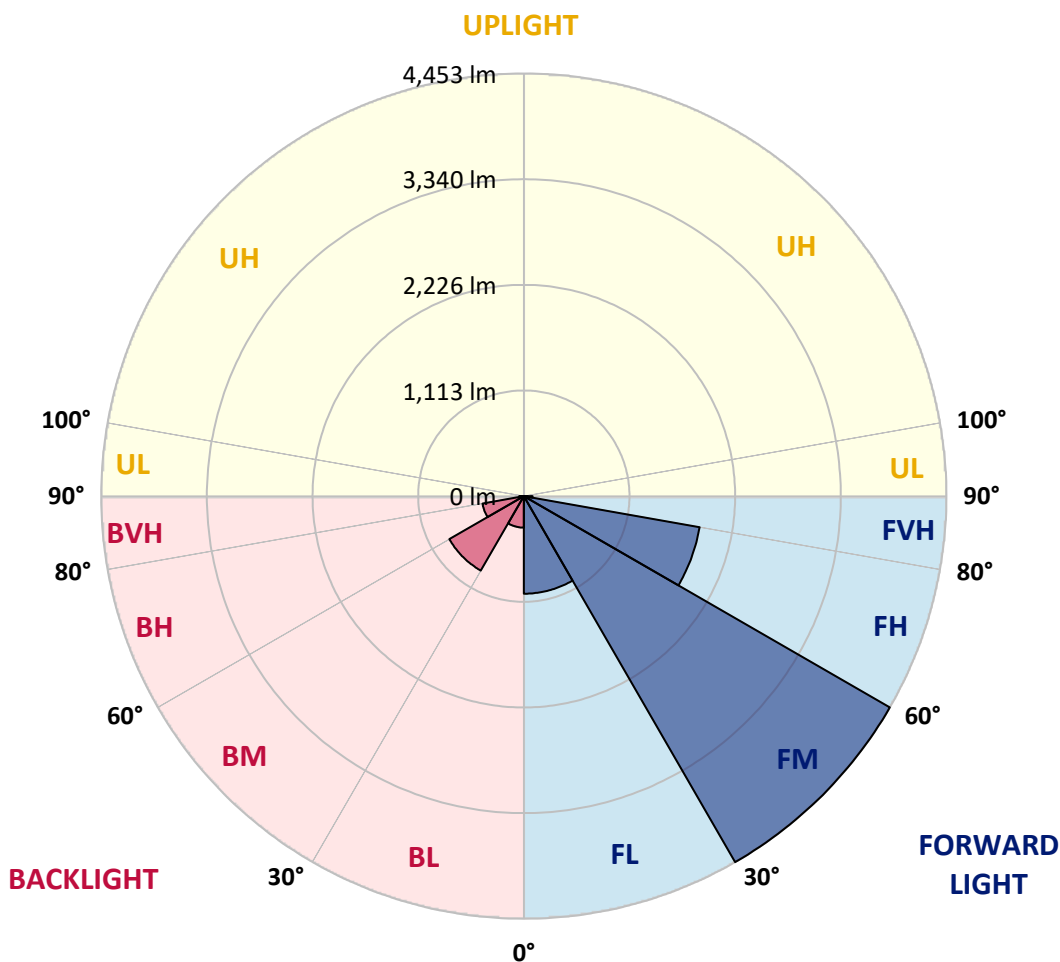
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1027.9	11.2			
FM (30°-60°)	4452.7	48.5			
FH (60°-80°)	1881.0	20.5			G2/5000
FVH (80°-90°)	92.1	1.0			G1/100
BL (0°-30°)	332.0	3.6	B1/500		
BM (30°-60°)	906.3	9.9	B1/1000		
BH (60°-80°)	442.3	4.8	B1/500		G1/500
BVH (80°-90°)	49.7	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7
2.5°	1300.7	1280.8	1270.3	1258.4	1225.3	1204.1	1164.5	1118.2	1064.6	1019.0	1010.4
5°	1575.1	1555.3	1557.9	1528.8	1480.5	1435.6	1361.5	1274.2	1172.4	1094.4	1067.3
7.5°	1768.8	1747.0	1752.3	1740.4	1701.4	1651.8	1557.9	1445.5	1296.7	1181.0	1137.3
10°	1898.4	1901.1	1905.1	1900.4	1875.3	1840.2	1747.0	1622.7	1437.5	1283.5	1224.0
12.5°	2045.2	2052.5	2051.2	2053.2	2039.9	2012.2	1920.9	1803.9	1587.7	1393.9	1316.5
15°	2232.4	2225.1	2231.0	2239.6	2225.1	2194.7	2114.0	1975.1	1745.0	1516.9	1421.0
17.5°	2437.4	2422.1	2438.0	2429.4	2418.8	2399.0	2310.4	2162.3	1907.7	1649.8	1537.4
20°	2614.6	2604.6	2613.2	2614.6	2616.6	2612.6	2521.3	2364.0	2078.3	1794.6	1663.0
22.5°	2813.6	2809.0	2807.7	2808.3	2810.3	2814.9	2752.8	2584.8	2267.4	1946.7	1798.6
25°	3092.0	3087.4	3056.9	3023.2	3003.4	3017.9	2985.5	2835.4	2476.4	2117.3	1947.4
27.5°	3404.1	3396.8	3356.5	3271.2	3207.7	3218.3	3215.0	3111.8	2717.1	2313.0	2125.9
30°	3728.1	3710.3	3654.7	3535.0	3435.2	3416.7	3425.9	3391.5	3019.9	2572.9	2374.5
32.5°	4017.1	3984.0	3910.6	3789.6	3670.6	3617.0	3618.3	3633.5	3349.2	2875.8	2635.1
35°	4193.6	4171.8	4116.9	3994.6	3861.7	3826.0	3816.1	3892.1	3651.4	3156.1	2868.5
37.5°	4288.8	4267.7	4208.8	4110.3	4009.8	3995.2	4013.8	4131.5	3994.6	3505.9	3185.9
40°	4271.7	4249.2	4210.8	4142.0	4075.9	4087.2	4169.2	4351.0	4369.5	3924.5	3638.2
42.5°	4130.1	4106.3	4103.0	4098.4	4067.3	4116.9	4265.0	4511.7	4714.0	4407.9	4185.7
45°	3880.2	3865.6	3882.8	3962.2	4001.2	4097.1	4310.0	4589.7	5016.9	4899.2	4703.4
47.5°	3563.5	3554.9	3593.9	3719.5	3845.8	4036.2	4339.8	4610.9	5225.2	5225.2	5042.7
50°	3209.0	3205.7	3257.3	3439.8	3637.5	3924.5	4336.5	4630.7	5316.4	5321.0	5162.3
52.5°	2714.4	2731.6	2869.1	3109.8	3378.3	3749.3	4290.2	4686.3	5368.0	5378.6	5242.4
55°	2144.4	2161.0	2368.6	2692.6	3036.4	3536.3	4152.0	4669.7	5377.9	5401.7	5288.0
57.5°	1712.0	1715.3	1844.9	2229.7	2655.6	3263.9	3992.6	4560.0	5348.8	5452.6	5358.1
60°	1339.7	1350.3	1436.9	1741.7	2213.9	2912.8	3814.7	4451.5	5365.4	5500.9	5421.6
62.5°	997.8	1000.5	1081.1	1317.2	1758.9	2465.1	3573.4	4335.8	5388.5	5555.1	5447.3
65°	650.0	649.3	727.4	940.3	1313.9	1981.8	3194.5	4154.6	5390.5	5543.2	5329.0
67.5°	413.3	415.9	449.6	583.9	879.5	1495.7	2678.7	3818.0	5296.6	5254.9	4897.9
70°	335.3	335.9	346.5	381.5	535.6	1022.3	2013.5	3291.7	4999.7	4680.3	4257.1
72.5°	298.9	299.5	304.8	308.8	357.1	614.3	1321.2	2672.8	4472.0	3989.3	3531.7
75°	268.5	268.5	271.8	267.8	292.9	385.5	749.9	2009.5	3683.1	3106.5	2668.1
77.5°	235.4	234.7	234.7	232.8	253.3	281.7	375.6	1402.5	2652.9	2118.6	1730.5
80°	199.7	198.4	200.4	199.0	218.9	213.6	218.9	865.6	1438.2	971.4	736.6
82.5°	155.4	155.4	161.3	162.7	180.5	154.7	154.1	410.6	546.2	363.0	271.8
85°	81.3	91.3	123.0	128.3	136.2	97.2	113.1	191.8	218.9	138.9	99.2
87.5°	24.5	25.8	75.4	84.6	84.0	48.9	69.4	92.6	102.5	61.5	40.3
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°	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7
2.5°	988.6	965.4	916.5	872.8	839.8	808.0	786.2	775.0	760.4	762.4	757.8
5°	1019.0	971.4	884.7	814.7	767.7	732.0	710.2	698.9	688.4	683.1	687.0
7.5°	1064.6	990.5	869.5	784.9	736.0	705.5	693.6	690.3	687.7	685.7	689.0
10°	1123.5	1024.3	866.9	774.3	729.4	710.8	706.2	704.2	701.6	698.9	700.9
12.5°	1183.6	1061.3	876.2	777.0	739.9	726.0	720.1	717.5	710.8	707.5	708.2
15°	1259.0	1106.3	888.7	787.5	753.8	736.0	728.0	720.8	710.2	705.5	707.5
17.5°	1339.7	1159.8	905.9	797.5	759.1	737.3	721.4	710.8	700.3	693.6	694.3
20°	1430.9	1212.7	921.1	800.8	756.5	726.0	706.9	694.3	680.4	673.1	671.2
22.5°	1525.5	1268.3	933.0	798.1	741.9	706.9	685.1	669.8	653.3	642.1	642.7
25°	1640.6	1343.7	942.9	788.9	722.7	681.7	657.3	638.1	620.9	610.3	611.0
27.5°	1778.8	1429.0	954.8	774.3	699.6	654.6	626.2	607.0	590.5	580.6	579.3
30°	1963.2	1540.0	968.1	756.5	670.5	624.9	597.1	577.3	561.4	552.1	552.1
32.5°	2170.9	1675.6	977.3	735.3	638.1	593.1	568.0	552.1	540.2	527.7	526.4
35°	2351.4	1780.7	1005.8	718.8	609.7	563.4	546.2	534.9	517.1	505.2	503.2
37.5°	2616.6	1965.9	1089.7	714.1	575.3	540.2	536.9	515.8	495.3	472.8	470.8
40°	3043.7	2286.6	1187.6	691.7	539.6	527.7	524.4	495.9	447.7	433.8	431.1
42.5°	3587.3	2672.8	1198.2	626.2	514.4	517.1	507.2	451.6	430.5	419.9	417.2
45°	4077.9	2986.2	1138.0	559.4	495.9	501.2	480.7	435.1	423.2	413.3	410.6
47.5°	4353.6	3082.7	1024.3	509.2	482.0	487.3	438.4	427.2	415.3	405.3	402.7
50°	4431.0	2998.8	892.0	480.1	471.5	473.5	427.2	420.6	410.0	402.0	398.1
52.5°	4446.2	2873.1	769.7	462.9	463.5	445.7	417.2	412.0	405.3	392.8	388.2
55°	4452.8	2760.0	659.9	452.3	458.2	410.0	406.7	402.7	397.4	384.2	381.5
57.5°	4470.0	2615.2	574.0	444.4	451.6	393.4	394.8	392.1	385.5	379.6	378.2
60°	4421.1	2414.9	507.8	436.4	442.4	379.6	380.9	382.2	376.2	374.9	374.3
62.5°	4257.1	2130.5	451.6	425.8	423.2	365.7	365.7	371.0	365.7	367.7	367.7
65°	3919.2	1768.2	401.4	406.0	393.4	350.5	349.8	359.1	351.1	359.7	360.4
67.5°	3343.3	1338.4	349.8	374.9	362.4	334.6	337.2	344.5	333.9	351.8	351.8
70°	2646.3	910.5	296.2	331.3	330.6	316.7	325.3	324.7	312.8	339.2	334.6
72.5°	1971.2	584.5	241.4	277.7	289.0	297.6	313.4	299.5	288.3	303.5	289.6
75°	1377.4	366.3	190.4	219.5	240.7	276.4	298.9	271.1	254.6	250.0	246.0
77.5°	824.6	234.1	150.1	167.3	187.8	251.3	280.4	241.4	216.2	213.6	205.6
80°	380.2	152.7	114.4	125.0	133.6	215.6	255.2	206.3	175.9	173.2	164.0
82.5°	171.9	100.5	85.3	89.3	89.9	171.3	215.6	163.3	134.2	217.5	188.5
85°	80.0	64.8	55.5	52.9	53.6	114.4	156.7	112.4	152.7	119.0	90.6
87.5°	34.4	33.1	28.4	22.5	20.5	24.5	60.2	46.9	66.8	26.4	17.9
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)