

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: P672107

Luminaire Tested: **CCP-SA-2C-735-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672107  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-735-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

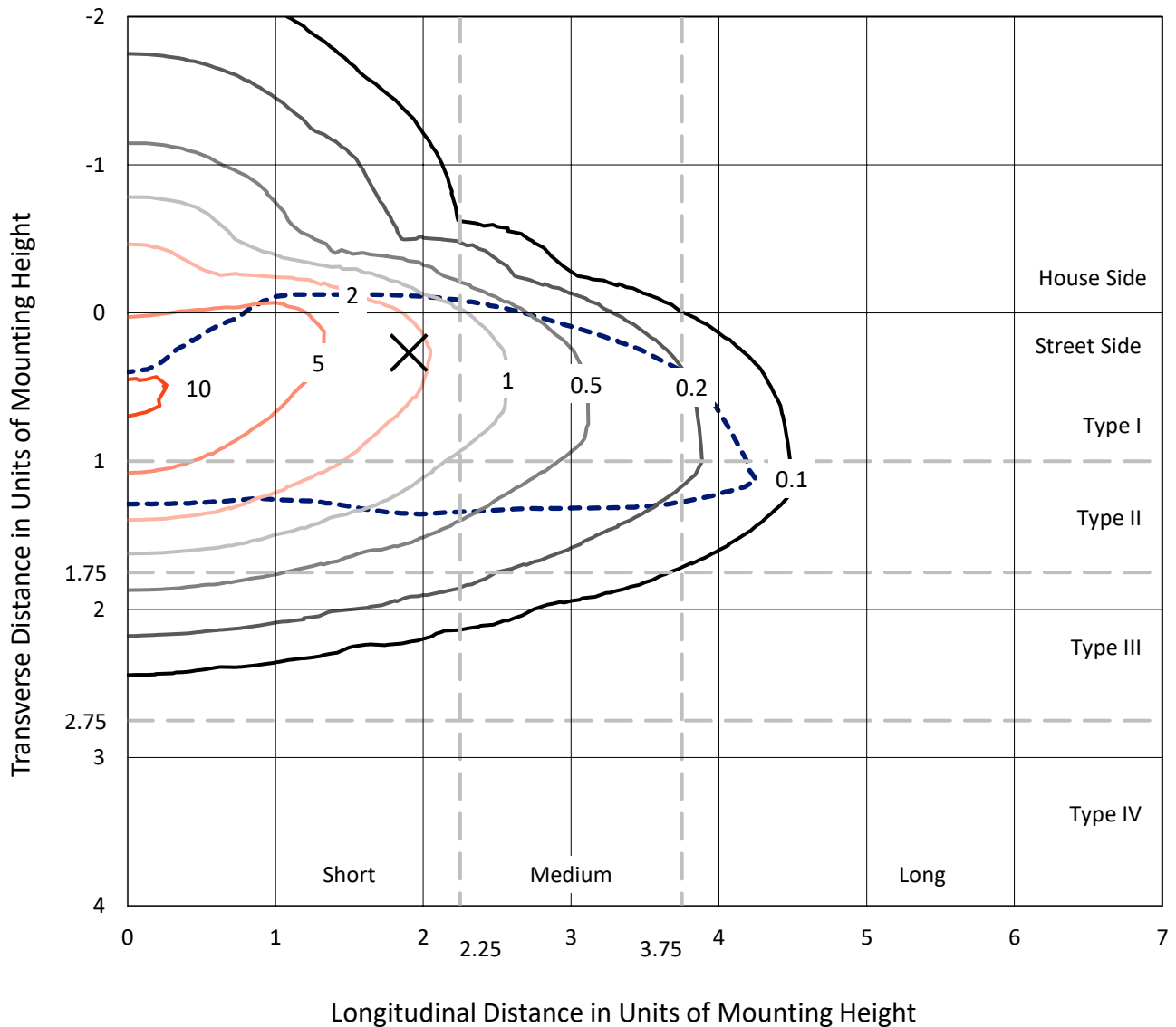
Lumens per Lamp: N/A  
Luminaire Lumens: 9058.2 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

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

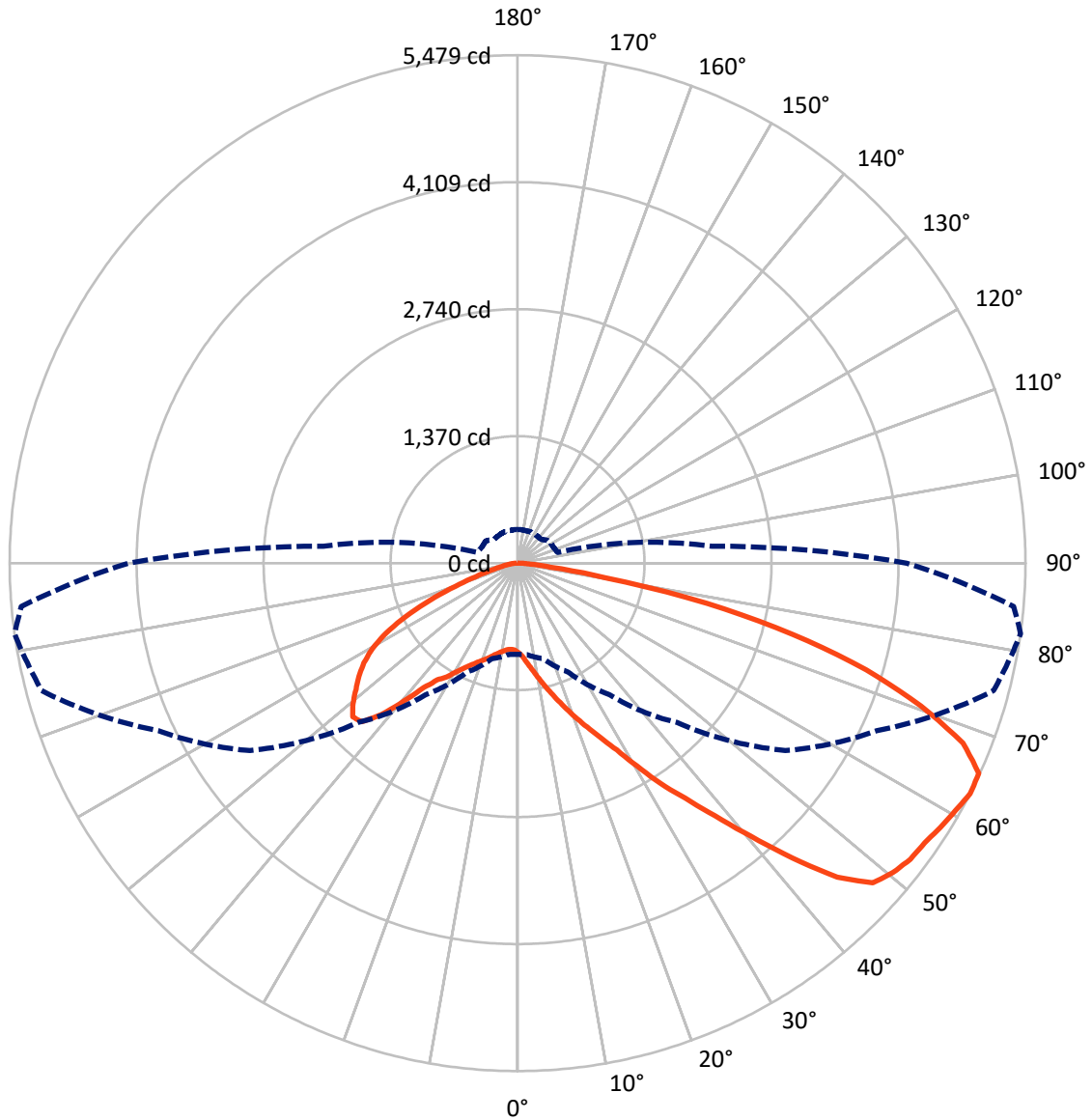
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.6 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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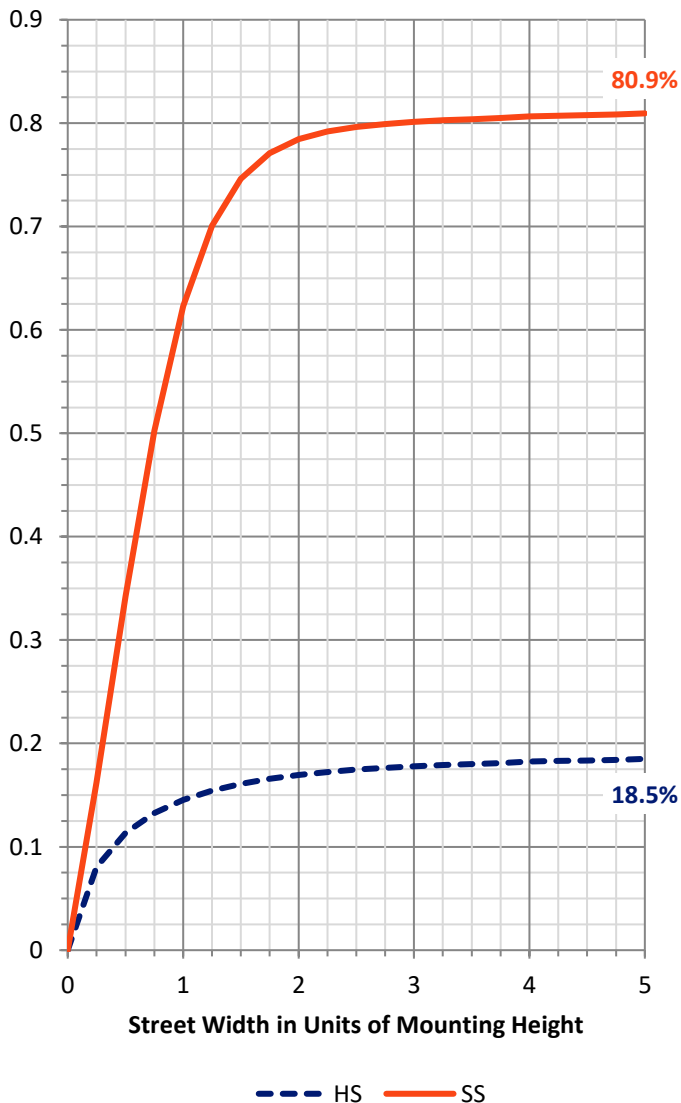
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1706.5	0.0	1706.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	7351.7	0.0	7351.7
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	9058.2	0.0	9058.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	1.2
10°-20°	402.1	4.4
20°-30°	832.6	9.2
30°-40°	1413.2	15.6
40°-50°	1924.4	21.2
50°-60°	1948.0	21.5
60°-70°	1535.2	16.9
70°-80°	756.3	8.3
80°-90°	139.9	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°	9058.2	100.0
0°-180°	9058.2	100.0



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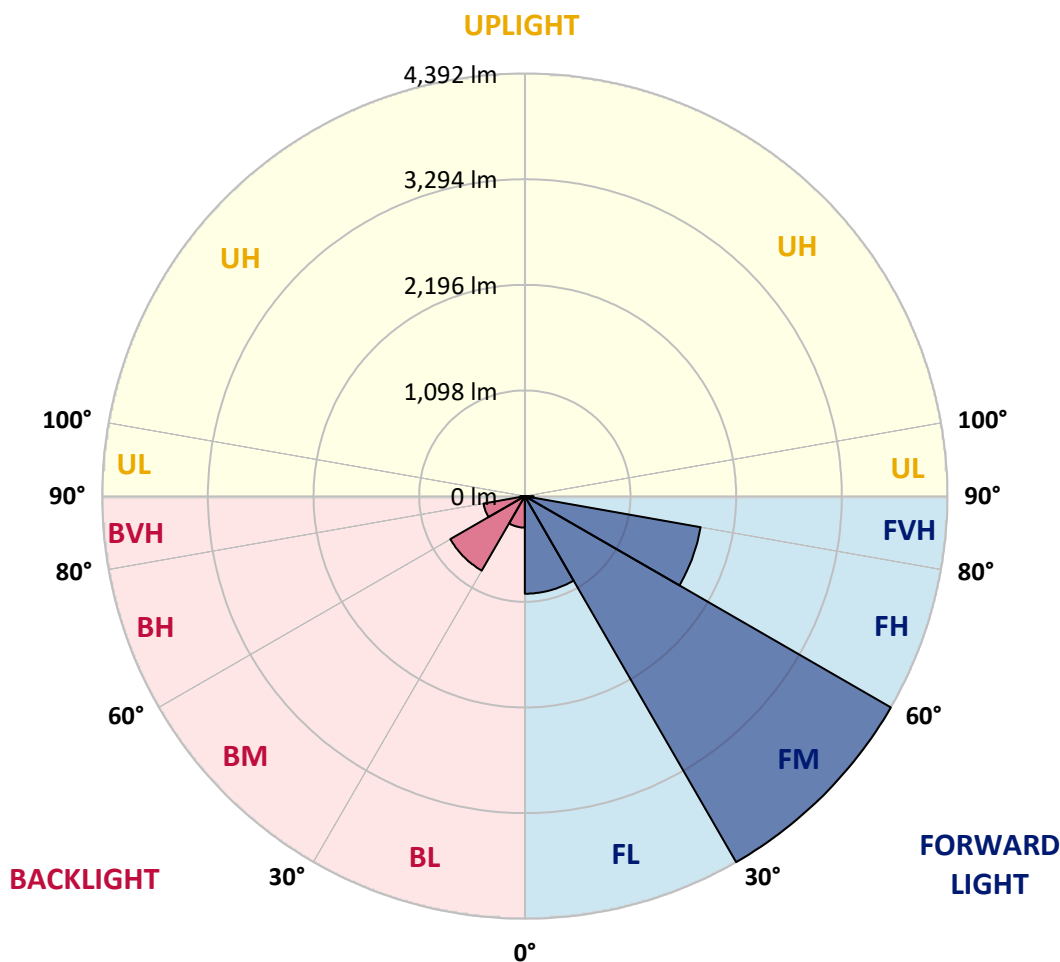
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.8	11.2			
FM (30°-60°)	4391.7	48.5			
FH (60°-80°)	1855.3	20.5			G2/5000
FVH (80°-90°)	90.9	1.0			G1/100
BL (0°-30°)	327.4	3.6	B1/500		
BM (30°-60°)	893.9	9.9	B1/1000		
BH (60°-80°)	436.2	4.8	B1/500		G1/500
BVH (80°-90°)	49.0	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°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	1282.9	1263.3	1252.9	1241.1	1208.5	1187.6	1148.5	1102.8	1050.0	1005.0	996.5
5°	1553.5	1533.9	1536.6	1507.9	1460.2	1415.9	1342.9	1256.8	1156.3	1079.4	1052.6
7.5°	1744.6	1723.1	1728.3	1716.6	1678.1	1629.2	1536.6	1425.7	1278.9	1164.8	1121.8
10°	1872.4	1875.0	1879.0	1874.4	1849.6	1815.0	1723.1	1600.5	1417.9	1265.9	1207.2
12.5°	2017.2	2024.4	2023.1	2025.0	2012.0	1984.6	1894.6	1779.2	1565.9	1374.8	1298.5
15°	2201.8	2194.6	2200.5	2209.0	2194.6	2164.6	2085.0	1948.1	1721.1	1496.1	1401.6
17.5°	2404.0	2389.0	2404.6	2396.1	2385.7	2366.1	2278.7	2132.7	1881.6	1627.2	1516.3
20°	2578.7	2569.0	2577.4	2578.7	2580.7	2576.8	2486.8	2331.6	2049.8	1770.0	1640.3
22.5°	2775.1	2770.5	2769.2	2769.8	2771.8	2776.4	2715.1	2549.4	2236.3	1920.0	1773.9
25°	3049.6	3045.1	3015.1	2981.8	2962.2	2976.6	2944.6	2796.6	2442.4	2088.3	1920.7
27.5°	3357.5	3350.3	3310.5	3226.4	3163.8	3174.2	3170.9	3069.2	2679.8	2281.4	2096.8
30°	3677.0	3659.4	3604.6	3486.6	3388.1	3369.9	3379.0	3345.1	2978.5	2537.7	2342.0
32.5°	3962.0	3929.4	3857.0	3737.7	3620.3	3567.5	3568.8	3583.8	3303.3	2836.4	2599.0
35°	4136.2	4114.6	4060.5	3939.9	3808.8	3773.6	3763.8	3838.8	3601.4	3112.9	2829.2
37.5°	4230.1	4209.2	4151.2	4054.0	3954.9	3940.5	3958.8	4074.9	3939.9	3457.9	3142.2
40°	4213.1	4191.0	4153.1	4085.3	4020.1	4031.2	4112.0	4291.4	4309.7	3870.7	3588.3
42.5°	4073.6	4050.1	4046.8	4042.3	4011.6	4060.5	4206.6	4449.9	4649.4	4347.5	4128.3
45°	3827.0	3812.7	3829.6	3907.9	3946.4	4041.0	4251.0	4526.8	4948.1	4832.1	4639.0
47.5°	3514.6	3506.2	3544.6	3668.6	3793.1	3980.9	4280.3	4547.7	5153.6	5153.6	4973.6
50°	3165.1	3161.8	3212.7	3392.7	3587.7	3870.7	4277.0	4567.3	5243.6	5248.1	5091.6
52.5°	2677.2	2694.2	2829.8	3067.2	3332.0	3697.9	4231.4	4622.0	5294.5	5304.9	5170.5
55°	2115.0	2131.3	2336.1	2655.7	2994.8	3487.9	4095.1	4605.7	5304.2	5327.7	5215.5
57.5°	1688.5	1691.8	1819.6	2199.2	2619.2	3219.2	3937.9	4497.5	5275.5	5377.9	5284.7
60°	1321.3	1331.8	1417.2	1717.9	2183.5	2872.9	3762.5	4390.5	5291.8	5425.5	5347.3
62.5°	984.2	986.8	1066.3	1299.2	1734.8	2431.4	3524.4	4276.4	5314.7	5479.0	5372.7
65°	641.1	640.4	717.4	927.4	1295.9	1954.6	3150.7	4097.7	5316.6	5467.3	5256.0
67.5°	407.6	410.2	443.5	575.9	867.4	1475.2	2642.0	3765.7	5224.0	5182.9	4830.7
70°	330.7	331.3	341.7	376.3	528.3	1008.3	1985.9	3246.6	4931.2	4616.2	4198.8
72.5°	294.8	295.4	300.7	304.6	352.2	605.9	1303.1	2636.1	4410.7	3934.6	3483.3
75°	264.8	264.8	268.0	264.1	288.9	380.2	739.6	1982.0	3632.7	3064.0	2631.6
77.5°	232.2	231.5	231.5	229.6	249.8	277.8	370.4	1383.3	2616.6	2089.6	1706.8
80°	197.0	195.7	197.6	196.3	215.9	210.7	215.9	853.7	1418.5	958.1	726.5
82.5°	153.3	153.3	159.1	160.4	178.0	152.6	152.0	405.0	538.7	358.1	268.0
85°	80.2	90.0	121.3	126.5	134.4	95.9	111.5	189.1	215.9	137.0	97.8
87.5°	24.1	25.4	74.3	83.5	82.8	48.3	68.5	91.3	101.1	60.7	39.8
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°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	975.0	952.2	903.9	860.9	828.3	797.0	775.5	764.4	750.0	752.0	747.4
5°	1005.0	958.1	872.6	803.5	757.2	722.0	700.4	689.4	678.9	673.7	677.6
7.5°	1050.0	977.0	857.6	774.1	725.9	695.9	684.1	680.9	678.3	676.3	679.6
10°	1108.1	1010.2	855.0	763.7	719.4	701.1	696.5	694.6	692.0	689.4	691.3
12.5°	1167.4	1046.8	864.1	766.3	729.8	716.1	710.2	707.6	701.1	697.8	698.5
15°	1241.8	1091.1	876.5	776.8	743.5	725.9	718.1	710.9	700.4	695.9	697.8
17.5°	1321.3	1143.9	893.5	786.5	748.7	727.2	711.5	701.1	690.7	684.1	684.8
20°	1411.3	1196.1	908.5	789.8	746.1	716.1	697.2	684.8	671.1	663.9	662.0
22.5°	1504.6	1250.9	920.2	787.2	731.8	697.2	675.7	660.7	644.4	633.3	633.9
25°	1618.1	1325.2	930.0	778.1	712.8	672.4	648.3	629.4	612.4	602.0	602.6
27.5°	1754.4	1409.4	941.8	763.7	690.0	645.7	617.6	598.7	582.4	572.6	571.3
30°	1936.3	1518.9	954.8	746.1	661.3	616.3	588.9	569.4	553.7	544.6	544.6
32.5°	2141.1	1652.6	963.9	725.2	629.4	585.0	560.2	544.6	532.8	520.4	519.1
35°	2319.2	1756.3	992.0	708.9	601.3	555.7	538.7	527.6	510.0	498.3	496.3
37.5°	2580.7	1939.0	1074.8	704.4	567.4	532.8	529.6	508.7	488.5	466.3	464.4
40°	3002.0	2255.3	1171.3	682.2	532.2	520.4	517.2	489.1	441.5	427.8	425.2
42.5°	3538.1	2636.1	1181.8	617.6	507.4	510.0	500.2	445.4	424.6	414.1	411.5
45°	4022.0	2945.3	1122.4	551.8	489.1	494.4	474.1	429.1	417.4	407.6	405.0
47.5°	4294.0	3040.5	1010.2	502.2	475.4	480.7	432.4	421.3	409.6	399.8	397.2
50°	4370.3	2957.7	879.8	473.5	465.0	467.0	421.3	414.8	404.4	396.5	392.6
52.5°	4385.3	2833.8	759.1	456.5	457.2	439.6	411.5	406.3	399.8	387.4	382.8
55°	4391.8	2722.2	650.9	446.1	452.0	404.4	401.1	397.2	392.0	378.9	376.3
57.5°	4408.8	2579.4	566.1	438.3	445.4	388.1	389.4	386.7	380.2	374.4	373.1
60°	4360.5	2381.8	500.9	430.4	436.3	374.4	375.7	377.0	371.1	369.8	369.1
62.5°	4198.8	2101.3	445.4	420.0	417.4	360.7	360.7	365.9	360.7	362.6	362.6
65°	3865.5	1743.9	395.9	400.4	388.1	345.7	345.0	354.1	346.3	354.8	355.4
67.5°	3297.5	1320.0	345.0	369.8	357.4	330.0	332.6	339.8	329.4	347.0	347.0
70°	2610.1	898.1	292.2	326.7	326.1	312.4	320.9	320.2	308.5	334.6	330.0
72.5°	1944.2	576.5	238.0	273.9	285.0	293.5	309.1	295.4	284.4	299.4	285.7
75°	1358.5	361.3	187.8	216.5	237.4	272.6	294.8	267.4	251.1	246.5	242.6
77.5°	813.3	230.9	148.0	165.0	185.2	247.8	276.5	238.0	213.3	210.7	202.8
80°	375.0	150.7	112.8	123.3	131.7	212.6	251.7	203.5	173.5	170.9	161.7
82.5°	169.6	99.1	84.1	88.0	88.7	168.9	212.6	161.1	132.4	214.6	185.9
85°	78.9	63.9	54.8	52.2	52.8	112.8	154.6	110.9	150.7	117.4	89.3
87.5°	33.9	32.6	28.0	22.2	20.2	24.1	59.3	46.3	65.9	26.1	17.6
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)