

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: P672126

Luminaire Tested: **CCP-SA-1F-750-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672126  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-750-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

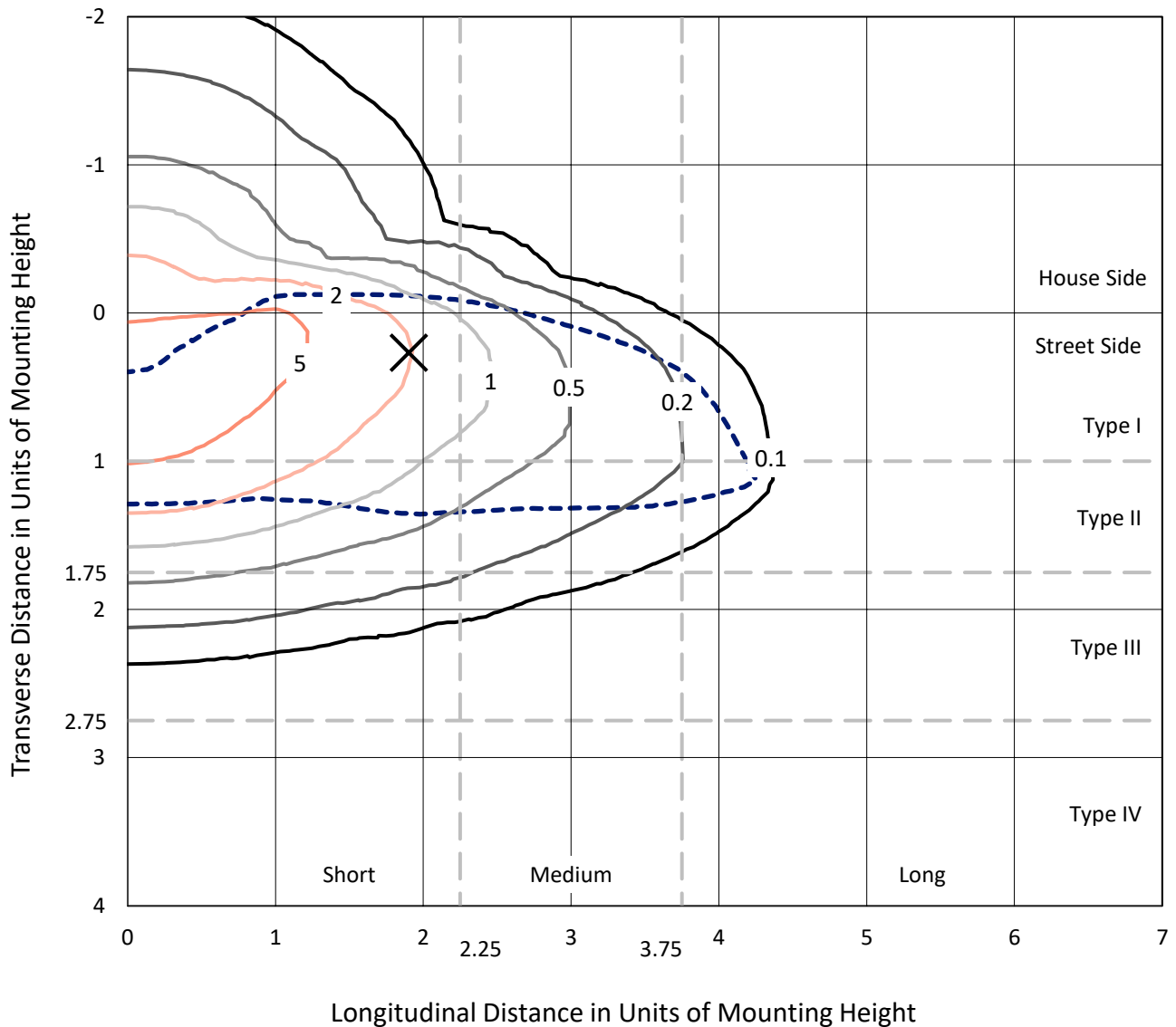
Lumens per Lamp: N/A  
Luminaire Lumens: 7790.3 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
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

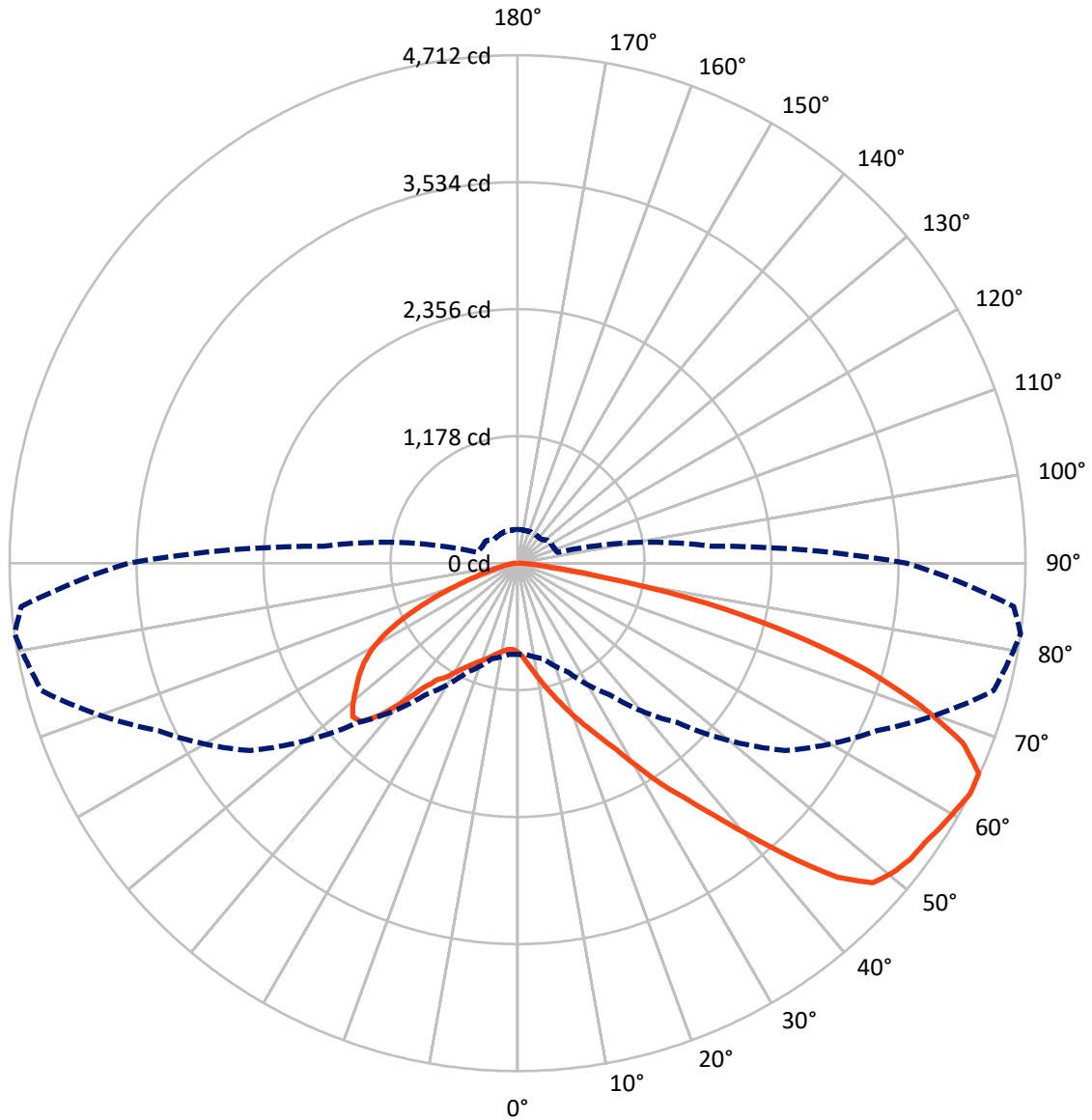
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.1 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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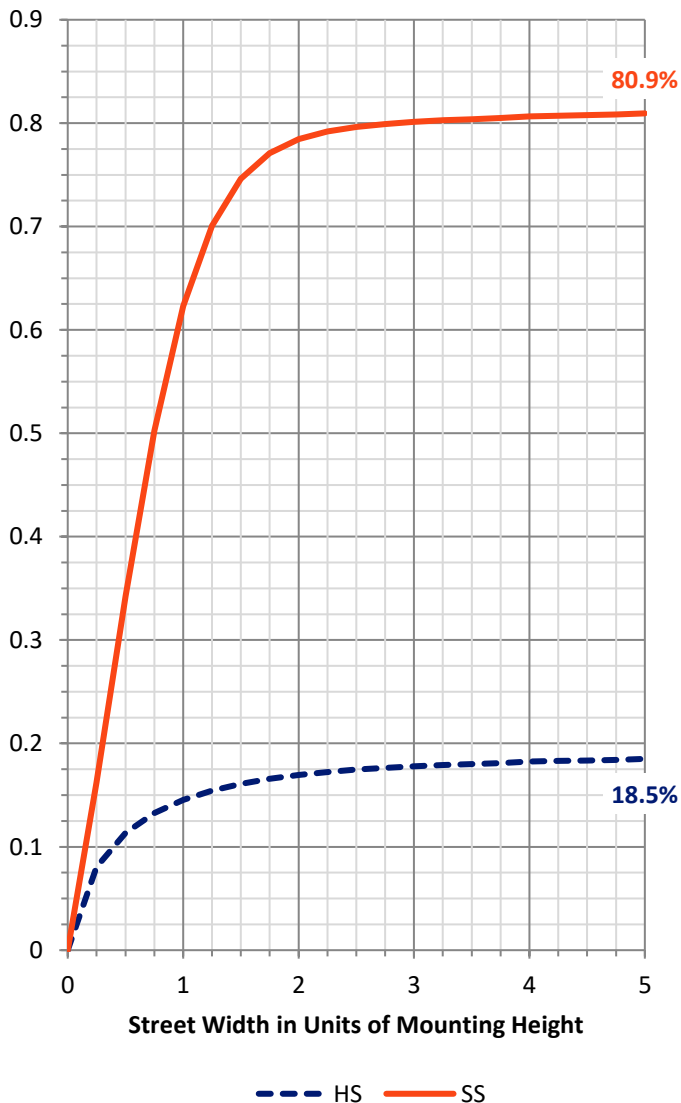
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1467.7	0.0	1467.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	6322.6	0.0	6322.6
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	7790.3	0.0	7790.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.7	1.2
10°-20°	345.8	4.4
20°-30°	716.1	9.2
30°-40°	1215.4	15.6
40°-50°	1655.1	21.2
50°-60°	1675.3	21.5
60°-70°	1320.3	16.9
70°-80°	650.4	8.3
80°-90°	120.3	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°	7790.3	100.0
0°-180°	7790.3	100.0



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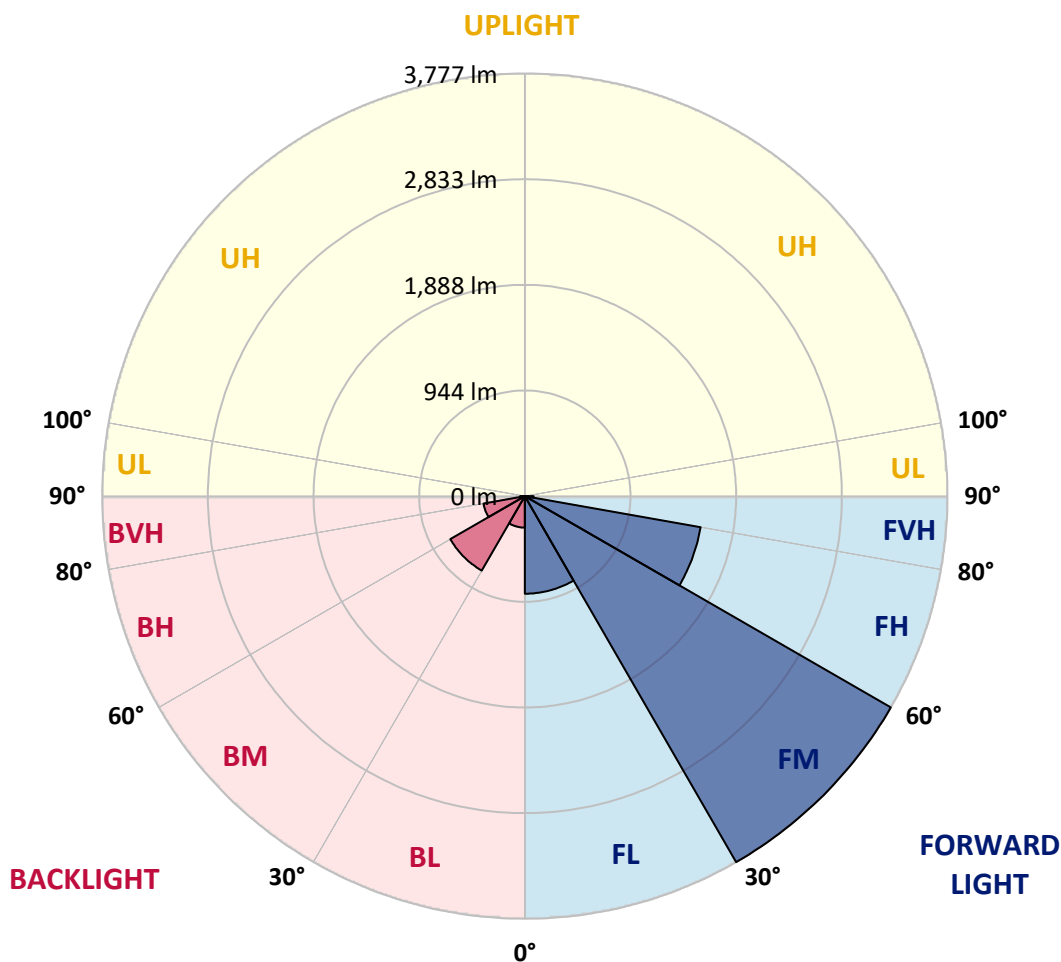
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.9	11.2			
FM (30°-60°)	3777.0	48.5			
FH (60°-80°)	1595.6	20.5			G1/1800
FVH (80°-90°)	78.2	1.0			G1/100
BL (0°-30°)	281.6	3.6	B1/500		
BM (30°-60°)	768.7	9.9	B1/1000		
BH (60°-80°)	375.2	4.8	B1/500		G1/500
BVH (80°-90°)	42.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	1103.3	1086.5	1077.5	1067.4	1039.3	1021.4	987.7	948.5	903.0	864.3	857.0
5°	1336.1	1319.2	1321.5	1296.8	1255.8	1217.7	1154.9	1080.8	994.5	928.3	905.3
7.5°	1500.4	1481.9	1486.4	1476.3	1443.2	1401.1	1321.5	1226.1	1099.9	1001.8	964.7
10°	1610.3	1612.6	1615.9	1612.0	1590.7	1561.0	1481.9	1376.4	1219.4	1088.7	1038.2
12.5°	1734.8	1741.0	1739.9	1741.6	1730.4	1706.8	1629.4	1530.1	1346.7	1182.4	1116.7
15°	1893.6	1887.4	1892.5	1899.8	1887.4	1861.6	1793.2	1675.4	1480.2	1286.7	1205.4
17.5°	2067.5	2054.6	2068.0	2060.7	2051.8	2034.9	1959.8	1834.1	1618.2	1399.4	1304.1
20°	2217.8	2209.4	2216.7	2217.8	2219.5	2216.1	2138.7	2005.2	1762.9	1522.3	1410.7
22.5°	2386.6	2382.7	2381.6	2382.1	2383.8	2387.7	2335.0	2192.5	1923.3	1651.3	1525.6
25°	2622.7	2618.8	2593.0	2564.4	2547.6	2559.9	2532.4	2405.1	2100.6	1796.0	1651.8
27.5°	2887.5	2881.3	2847.1	2774.7	2720.9	2729.9	2727.1	2639.6	2304.7	1962.0	1803.3
30°	3162.3	3147.2	3100.1	2998.5	2913.8	2898.1	2906.0	2876.8	2561.6	2182.4	2014.2
32.5°	3407.4	3379.4	3317.1	3214.5	3113.5	3068.1	3069.2	3082.1	2840.9	2439.3	2235.2
35°	3557.2	3538.7	3492.1	3388.4	3275.6	3245.3	3236.9	3301.4	3097.3	2677.2	2433.2
37.5°	3638.0	3620.0	3570.1	3486.5	3401.3	3388.9	3404.6	3504.5	3388.4	2973.9	2702.4
40°	3623.4	3604.3	3571.8	3513.4	3457.4	3466.9	3536.4	3690.7	3706.4	3328.9	3086.0
42.5°	3503.3	3483.2	3480.4	3476.4	3450.1	3492.1	3617.8	3827.0	3998.6	3738.9	3550.5
45°	3291.3	3279.0	3293.6	3360.9	3394.0	3475.3	3655.9	3893.2	4255.5	4155.7	3989.6
47.5°	3022.7	3015.4	3048.5	3155.0	3262.2	3423.7	3681.2	3911.1	4432.2	4432.2	4277.4
50°	2722.0	2719.2	2763.0	2917.8	3085.5	3328.9	3678.3	3927.9	4509.6	4513.5	4378.9
52.5°	2302.5	2317.1	2433.7	2637.9	2865.6	3180.3	3639.1	3975.1	4553.3	4562.3	4446.8
55°	1819.0	1833.0	2009.1	2284.0	2575.6	2999.7	3521.9	3961.0	4561.8	4582.0	4485.5
57.5°	1452.2	1455.0	1564.9	1891.3	2252.6	2768.6	3386.7	3867.9	4537.1	4625.1	4544.9
60°	1136.4	1145.3	1218.8	1477.4	1877.9	2470.7	3235.8	3775.9	4551.1	4666.1	4598.8
62.5°	846.4	848.6	917.1	1117.3	1492.0	2091.0	3031.1	3677.8	4570.7	4712.1	4620.7
65°	551.4	550.8	617.0	797.6	1114.5	1681.0	2709.7	3524.1	4572.4	4702.0	4520.3
67.5°	350.6	352.8	381.4	495.3	746.0	1268.7	2272.2	3238.6	4492.8	4457.4	4154.5
70°	284.4	284.9	293.9	323.6	454.3	867.1	1707.9	2792.1	4240.9	3970.0	3611.0
72.5°	253.5	254.1	258.6	261.9	302.9	521.1	1120.7	2267.1	3793.3	3383.9	2995.7
75°	227.7	227.7	230.5	227.2	248.5	327.0	636.1	1704.6	3124.2	2635.1	2263.2
77.5°	199.7	199.1	199.1	197.4	214.8	238.9	318.6	1189.7	2250.3	1797.1	1467.9
80°	169.4	168.3	170.0	168.8	185.7	181.2	185.7	734.2	1219.9	824.0	624.8
82.5°	131.8	131.8	136.9	138.0	153.1	131.2	130.7	348.3	463.3	307.9	230.5
85°	69.0	77.4	104.3	108.8	115.5	82.5	95.9	162.7	185.7	117.8	84.1
87.5°	20.8	21.9	63.9	71.8	71.2	41.5	58.9	78.5	86.9	52.2	34.2
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°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	838.5	818.9	777.4	740.4	712.3	685.4	666.9	657.4	645.0	646.7	642.8
5°	864.3	824.0	750.5	691.0	651.2	620.9	602.4	592.9	583.9	579.4	582.8
7.5°	903.0	840.2	737.6	665.8	624.3	598.5	588.4	585.6	583.3	581.6	584.5
10°	953.0	868.8	735.3	656.8	618.7	603.0	599.0	597.4	595.1	592.9	594.5
12.5°	1004.0	900.2	743.2	659.1	627.6	615.9	610.8	608.6	603.0	600.2	600.7
15°	1067.9	938.4	753.8	668.0	639.4	624.3	617.5	611.4	602.4	598.5	600.2
17.5°	1136.4	983.8	768.4	676.4	643.9	625.4	611.9	603.0	594.0	588.4	588.9
20°	1213.8	1028.7	781.3	679.2	641.7	615.9	599.6	588.9	577.2	571.0	569.3
22.5°	1294.0	1075.8	791.4	677.0	629.3	599.6	581.1	568.2	554.2	544.6	545.2
25°	1391.6	1139.7	799.8	669.1	613.1	578.3	557.5	541.3	526.7	517.7	518.3
27.5°	1508.8	1212.1	809.9	656.8	593.4	555.3	531.2	514.9	500.9	492.5	491.3
30°	1665.3	1306.3	821.2	641.7	568.7	530.0	506.5	489.7	476.2	468.3	468.3
32.5°	1841.4	1421.3	829.0	623.7	541.3	503.1	481.8	468.3	458.3	447.6	446.5
35°	1994.5	1510.5	853.1	609.7	517.1	477.9	463.3	453.8	438.6	428.5	426.8
37.5°	2219.5	1667.5	924.4	605.8	488.0	458.3	455.4	437.5	420.1	401.0	399.4
40°	2581.8	1939.6	1007.4	586.7	457.7	447.6	444.8	420.7	379.7	367.9	365.7
42.5°	3042.9	2267.1	1016.3	531.2	436.4	438.6	430.2	383.1	365.1	356.2	353.9
45°	3459.0	2533.0	965.3	474.5	420.7	425.2	407.8	369.1	359.0	350.6	348.3
47.5°	3692.9	2614.9	868.8	431.9	408.9	413.4	371.9	362.3	352.2	343.8	341.6
50°	3758.6	2543.7	756.6	407.2	399.9	401.6	362.3	356.7	347.8	341.0	337.7
52.5°	3771.5	2437.1	652.9	392.6	393.2	378.0	353.9	349.4	343.8	333.2	329.2
55°	3777.1	2341.2	559.8	383.7	388.7	347.8	345.0	341.6	337.1	325.9	323.6
57.5°	3791.6	2218.3	486.9	376.9	383.1	333.7	334.9	332.6	327.0	322.0	320.8
60°	3750.1	2048.4	430.8	370.2	375.2	322.0	323.1	324.2	319.1	318.0	317.5
62.5°	3611.0	1807.2	383.1	361.2	359.0	310.2	310.2	314.7	310.2	311.9	311.9
65°	3324.4	1499.8	340.5	344.4	333.7	297.3	296.7	304.6	297.8	305.1	305.7
67.5°	2835.9	1135.3	296.7	318.0	307.4	283.8	286.1	292.2	283.3	298.4	298.4
70°	2244.7	772.4	251.3	281.0	280.4	268.7	276.0	275.4	265.3	287.7	283.8
72.5°	1672.0	495.8	204.7	235.6	245.1	252.4	265.9	254.1	244.6	257.5	245.7
75°	1168.3	310.7	161.5	186.2	204.2	234.5	253.5	230.0	215.9	212.0	208.7
77.5°	699.4	198.6	127.3	141.9	159.3	213.1	237.8	204.7	183.4	181.2	174.4
80°	322.5	129.6	97.0	106.0	113.3	182.9	216.5	175.0	149.2	147.0	139.1
82.5°	145.8	85.3	72.4	75.7	76.3	145.3	182.9	138.5	113.9	184.5	159.9
85°	67.9	55.0	47.1	44.9	45.4	97.0	132.9	95.4	129.6	101.0	76.8
87.5°	29.2	28.0	24.1	19.1	17.4	20.8	51.0	39.8	56.7	22.4	15.1
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)