

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: P672074

Luminaire Tested: **CCP-SA-2C-722-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672074  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-722-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

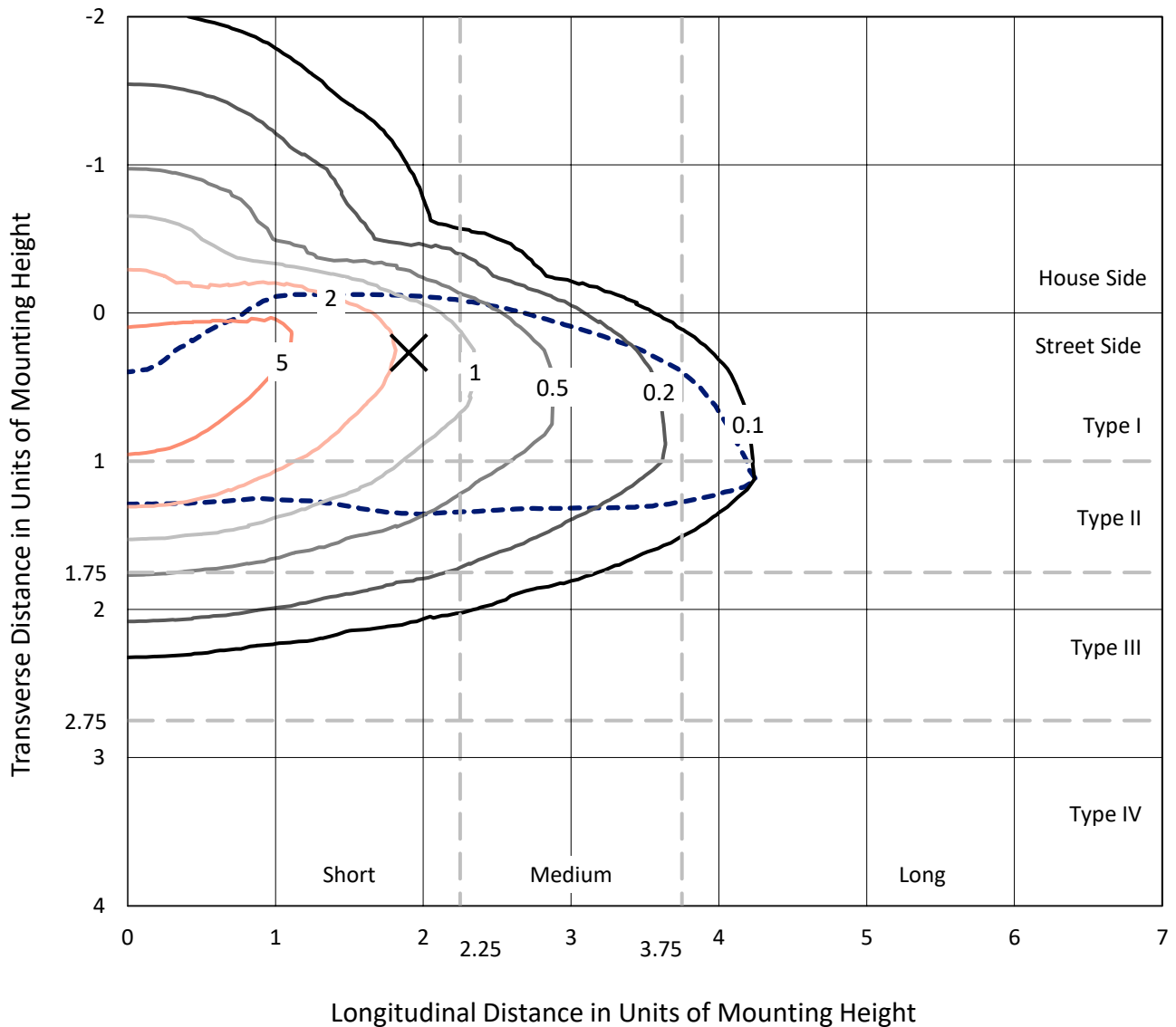
Lumens per Lamp: N/A  
Luminaire Lumens: 6765 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

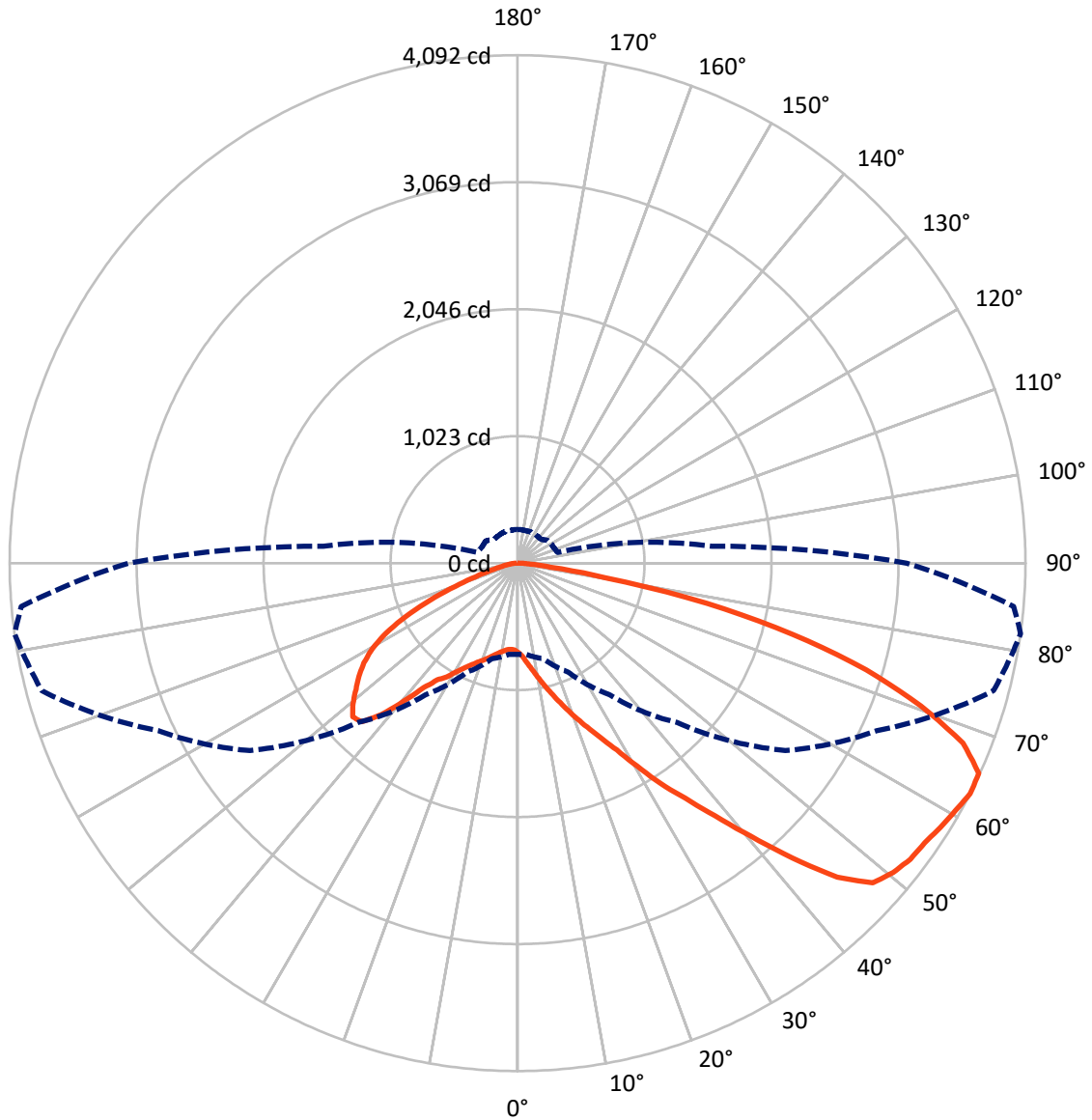
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 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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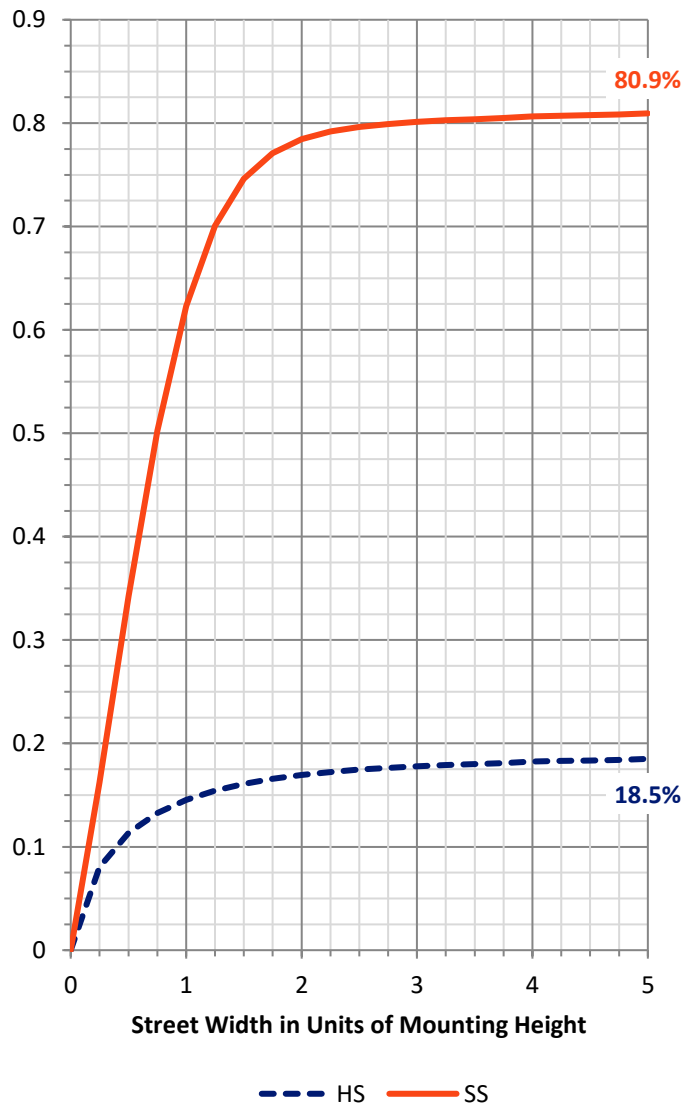
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1274.5	0.0	1274.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5490.5	0.0	5490.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	6765.0	0.0	6765.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.6	1.2
10°-20°	300.3	4.4
20°-30°	621.8	9.2
30°-40°	1055.4	15.6
40°-50°	1437.2	21.2
50°-60°	1454.8	21.5
60°-70°	1146.6	16.9
70°-80°	564.8	8.3
80°-90°	104.5	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°	6765.0	100.0
0°-180°	6765.0	100.0



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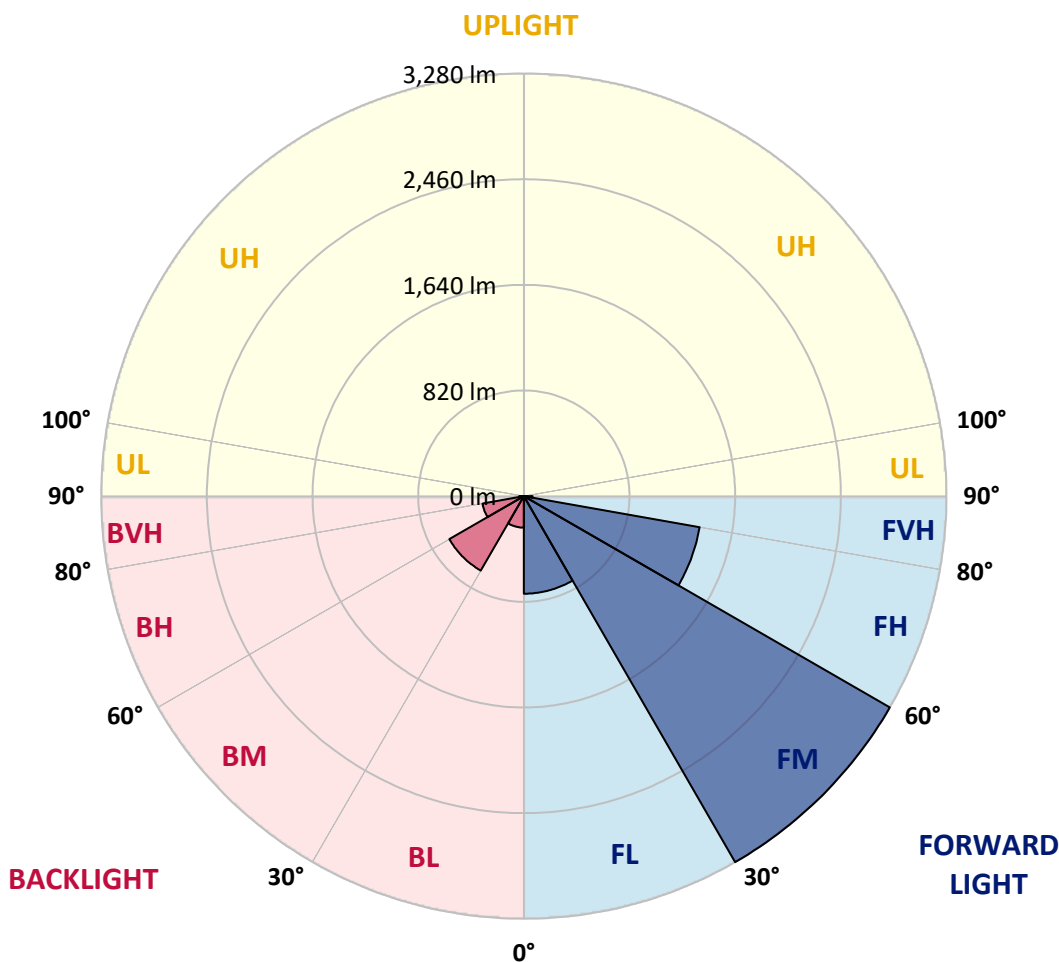
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.2	11.2			
FM (30°-60°)	3279.9	48.5			
FH (60°-80°)	1385.6	20.5			G1/1800
FVH (80°-90°)	67.9	1.0			G1/100
BL (0°-30°)	244.5	3.6	B1/500		
BM (30°-60°)	667.6	9.9	B1/1000		
BH (60°-80°)	325.8	4.8	B1/500		G1/500
BVH (80°-90°)	36.6	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°	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4
2.5°	958.1	943.5	935.7	926.9	902.5	887.0	857.7	823.6	784.2	750.6	744.2
5°	1160.2	1145.6	1147.5	1126.1	1090.6	1057.4	1002.9	938.6	863.6	806.1	786.1
7.5°	1302.9	1286.8	1290.7	1282.0	1253.2	1216.7	1147.5	1064.7	955.2	869.9	837.8
10°	1398.4	1400.3	1403.3	1399.9	1381.3	1355.5	1286.8	1195.3	1058.9	945.4	901.6
12.5°	1506.5	1511.9	1510.9	1512.4	1502.6	1482.2	1414.9	1328.7	1169.5	1026.8	969.8
15°	1644.4	1639.0	1643.4	1649.7	1639.0	1616.6	1557.2	1454.9	1285.4	1117.3	1046.7
17.5°	1795.4	1784.2	1795.8	1789.5	1781.7	1767.1	1701.8	1592.7	1405.2	1215.2	1132.4
20°	1925.9	1918.6	1924.9	1925.9	1927.4	1924.4	1857.2	1741.3	1530.9	1321.9	1225.0
22.5°	2072.5	2069.1	2068.1	2068.6	2070.1	2073.5	2027.7	1904.0	1670.2	1433.9	1324.8
25°	2277.6	2274.1	2251.7	2226.9	2212.3	2223.0	2199.1	2088.6	1824.1	1559.6	1434.4
27.5°	2507.5	2502.1	2472.4	2409.6	2362.8	2370.6	2368.2	2292.2	2001.4	1703.8	1565.9
30°	2746.1	2733.0	2692.1	2603.9	2530.3	2516.7	2523.5	2498.2	2224.5	1895.2	1749.1
32.5°	2959.0	2934.6	2880.6	2791.4	2703.7	2664.3	2665.3	2676.5	2467.0	2118.3	1941.0
35°	3089.0	3072.9	3032.5	2942.4	2844.5	2818.2	2810.9	2866.9	2689.6	2324.8	2112.9
37.5°	3159.2	3143.6	3100.2	3027.7	2953.6	2942.9	2956.5	3043.2	2942.4	2582.5	2346.7
40°	3146.5	3129.9	3101.7	3051.0	3002.3	3010.6	3071.0	3204.9	3218.6	2890.8	2679.9
42.5°	3042.3	3024.7	3022.3	3018.9	2996.0	3032.5	3141.6	3323.3	3472.3	3246.8	3083.2
45°	2858.1	2847.4	2860.1	2918.5	2947.3	3017.9	3174.7	3380.8	3695.4	3608.7	3464.6
47.5°	2624.8	2618.5	2647.2	2739.8	2832.8	2973.1	3196.7	3396.4	3848.9	3848.9	3714.4
50°	2363.8	2361.3	2399.3	2533.8	2679.4	2890.8	3194.2	3411.0	3916.1	3919.5	3802.6
52.5°	1999.4	2012.1	2113.4	2290.7	2488.5	2761.7	3160.1	3451.9	3954.1	3961.9	3861.5
55°	1579.6	1591.8	1744.7	1983.4	2236.6	2604.9	3058.3	3439.7	3961.4	3978.9	3895.1
57.5°	1261.0	1263.5	1358.9	1642.4	1956.1	2404.2	2941.0	3358.9	3939.9	4016.4	3946.8
60°	986.8	994.6	1058.4	1283.0	1630.7	2145.6	2809.9	3279.0	3952.1	4052.0	3993.5
62.5°	735.0	736.9	796.4	970.3	1295.6	1815.8	2632.1	3193.7	3969.2	4091.9	4012.5
65°	478.8	478.3	535.8	692.6	967.8	1459.8	2353.1	3060.3	3970.6	4083.1	3925.3
67.5°	304.4	306.4	331.2	430.1	647.8	1101.8	1973.1	2812.4	3901.5	3870.8	3607.8
70°	246.9	247.4	255.2	281.0	394.5	753.0	1483.1	2424.7	3682.8	3447.5	3135.8
72.5°	220.2	220.6	224.5	227.5	263.0	452.5	973.2	1968.8	3294.1	2938.5	2601.5
75°	197.8	197.8	200.2	197.3	215.8	284.0	552.3	1480.2	2713.0	2288.3	1965.3
77.5°	173.4	172.9	172.9	171.5	186.5	207.5	276.7	1033.1	1954.1	1560.6	1274.7
80°	147.1	146.1	147.6	146.6	161.2	157.3	161.2	637.6	1059.4	715.5	542.6
82.5°	114.5	114.5	118.8	119.8	133.0	114.0	113.5	302.5	402.3	267.4	200.2
85°	59.9	67.2	90.6	94.5	100.3	71.6	83.3	141.3	161.2	102.3	73.1
87.5°	18.0	19.0	55.5	62.3	61.9	36.0	51.1	68.2	75.5	45.3	29.7
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°	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4
2.5°	728.2	711.1	675.1	642.9	618.6	595.2	579.1	570.9	560.1	561.6	558.2
5°	750.6	715.5	651.7	600.1	565.5	539.2	523.1	514.8	507.0	503.1	506.1
7.5°	784.2	729.6	640.5	578.2	542.1	519.7	510.9	508.5	506.6	505.1	507.5
10°	827.5	754.5	638.6	570.4	537.2	523.6	520.2	518.7	516.8	514.8	516.3
12.5°	871.9	781.8	645.4	572.3	545.0	534.8	530.4	528.5	523.6	521.2	521.7
15°	927.4	814.9	654.6	580.1	555.3	542.1	536.3	530.9	523.1	519.7	521.2
17.5°	986.8	854.3	667.3	587.4	559.2	543.1	531.4	523.6	515.8	510.9	511.4
20°	1054.0	893.3	678.5	589.8	557.2	534.8	520.7	511.4	501.2	495.8	494.4
22.5°	1123.7	934.2	687.3	587.9	546.5	520.7	504.6	493.4	481.2	472.9	473.4
25°	1208.4	989.7	694.6	581.1	532.4	502.2	484.2	470.0	457.4	449.6	450.1
27.5°	1310.2	1052.6	703.3	570.4	515.3	482.2	461.3	447.1	435.0	427.7	426.7
30°	1446.1	1134.4	713.1	557.2	493.9	460.3	439.8	425.2	413.5	406.7	406.7
32.5°	1599.1	1234.2	719.9	541.6	470.0	436.9	418.4	406.7	397.9	388.7	387.7
35°	1732.0	1311.7	740.8	529.4	449.1	415.0	402.3	394.0	380.9	372.1	370.7
37.5°	1927.4	1448.1	802.7	526.0	423.8	397.9	395.5	379.9	364.8	348.3	346.8
40°	2242.0	1684.3	874.8	509.5	397.5	388.7	386.2	365.3	329.7	319.5	317.6
42.5°	2642.4	1968.8	882.6	461.3	378.9	380.9	373.6	332.7	317.1	309.3	307.3
45°	3003.8	2199.6	838.3	412.1	365.3	369.2	354.1	320.5	311.7	304.4	302.5
47.5°	3206.9	2270.7	754.5	375.0	355.1	359.0	322.9	314.6	305.9	298.6	296.6
50°	3263.9	2208.9	657.1	353.6	347.3	348.7	314.6	309.8	302.0	296.1	293.2
52.5°	3275.1	2116.3	567.0	341.0	341.4	328.3	307.3	303.4	298.6	289.3	285.9
55°	3280.0	2033.0	486.1	333.2	337.5	302.0	299.6	296.6	292.7	283.0	281.0
57.5°	3292.6	1926.4	422.8	327.3	332.7	289.8	290.8	288.8	284.0	279.6	278.6
60°	3256.6	1778.8	374.1	321.5	325.9	279.6	280.6	281.5	277.1	276.2	275.7
62.5°	3135.8	1569.4	332.7	313.7	311.7	269.4	269.4	273.2	269.4	270.8	270.8
65°	2886.9	1302.4	295.7	299.1	289.8	258.1	257.7	264.5	258.6	265.0	265.5
67.5°	2462.6	985.8	257.7	276.2	266.9	246.5	248.4	253.8	246.0	259.1	259.1
70°	1949.3	670.7	218.2	244.0	243.5	233.3	239.6	239.2	230.4	249.9	246.5
72.5°	1452.0	430.6	177.8	204.6	212.9	219.2	230.9	220.6	212.4	223.6	213.3
75°	1014.6	269.8	140.3	161.7	177.3	203.6	220.2	199.7	187.5	184.1	181.2
77.5°	607.4	172.4	110.6	123.2	138.3	185.1	206.5	177.8	159.3	157.3	151.5
80°	280.1	112.5	84.3	92.1	98.4	158.8	188.0	152.0	129.6	127.6	120.8
82.5°	126.6	74.0	62.8	65.8	66.2	126.2	158.8	120.3	98.9	160.2	138.8
85°	58.9	47.7	40.9	39.0	39.5	84.3	115.4	82.8	112.5	87.7	66.7
87.5°	25.3	24.4	20.9	16.6	15.1	18.0	44.3	34.6	49.2	19.5	13.2
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)