

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: P674524

Luminaire Tested: **CCP-SA-2E-722-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674524  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-722-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

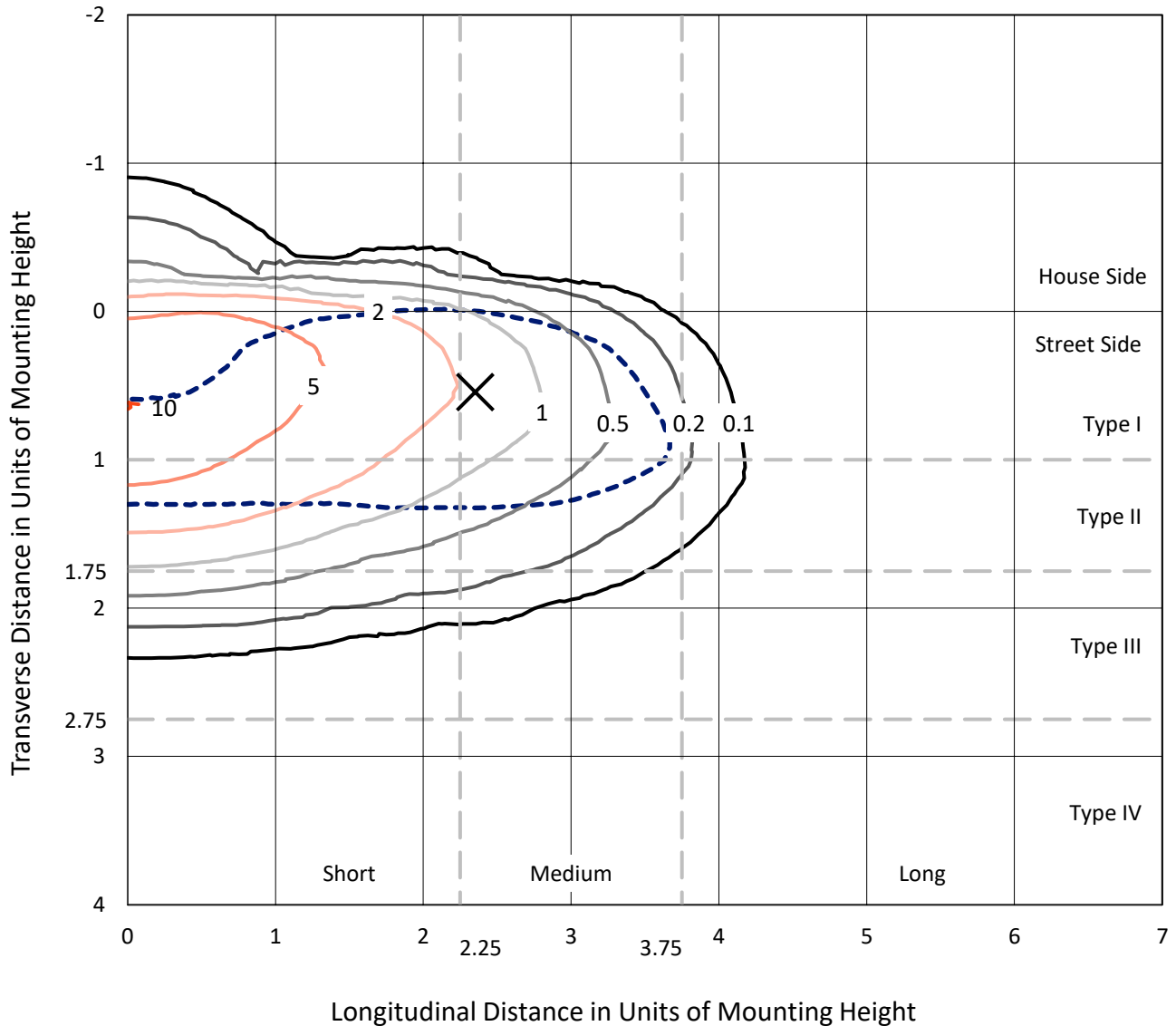
Lumens per Lamp: N/A  
Luminaire Lumens: 8155 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
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

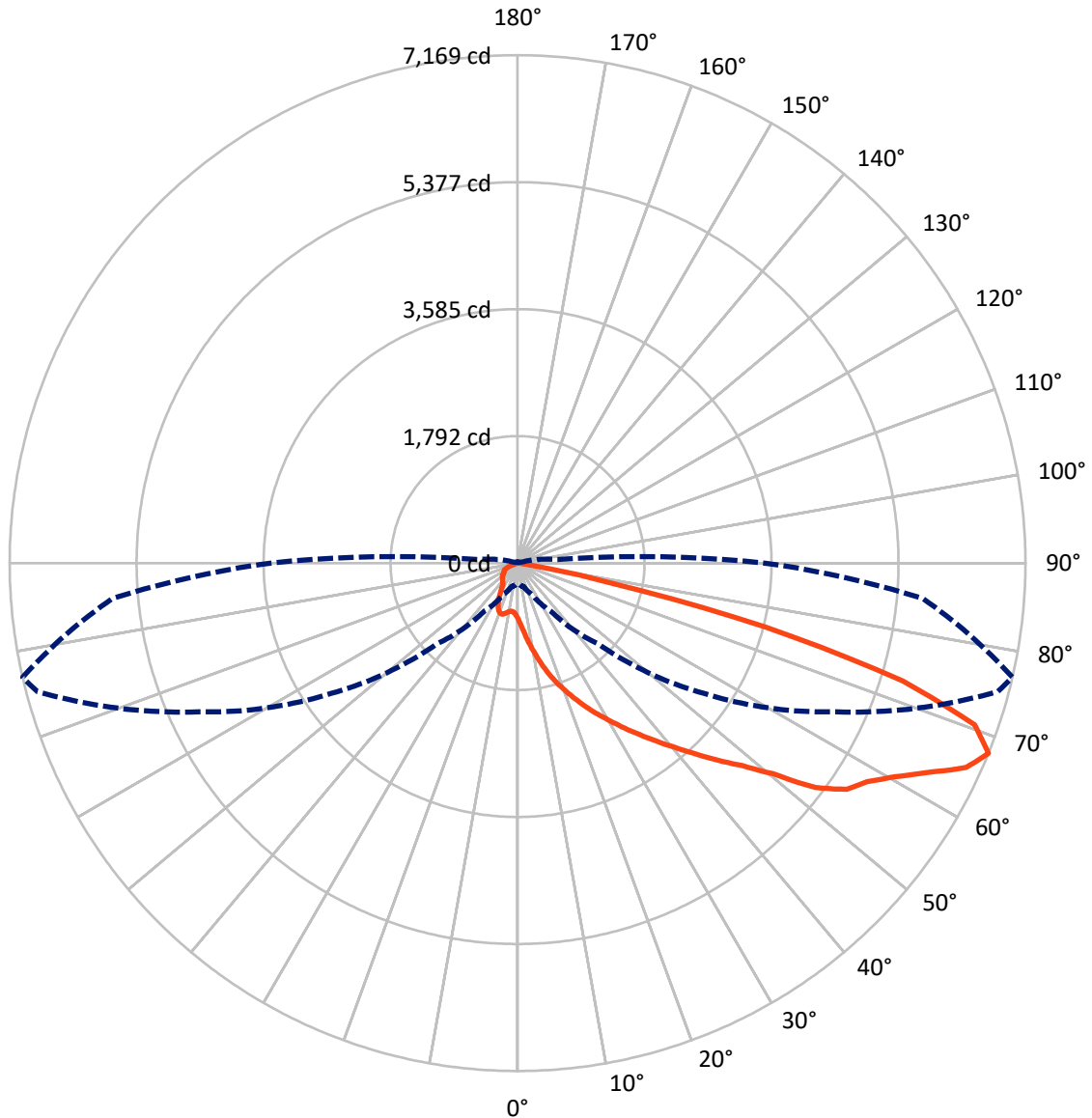
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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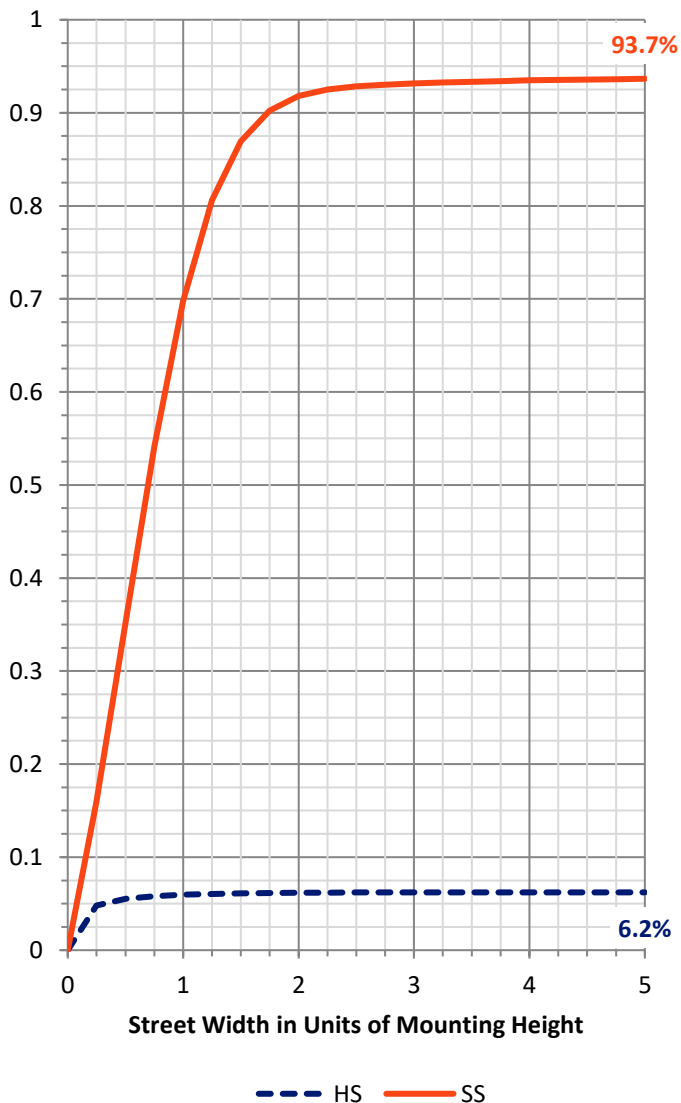
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	509.6	0.0	509.6
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	7645.4	0.0	7645.4
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	8155.0	0.0	8155.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.8	1.1
10°-20°	339.5	4.2
20°-30°	663.2	8.1
30°-40°	1159.5	14.2
40°-50°	1691.1	20.7
50°-60°	1977.4	24.2
60°-70°	1603.0	19.7
70°-80°	602.2	7.4
80°-90°	27.4	0.3
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°	8155.0	100.0
0°-180°	8155.0	100.0



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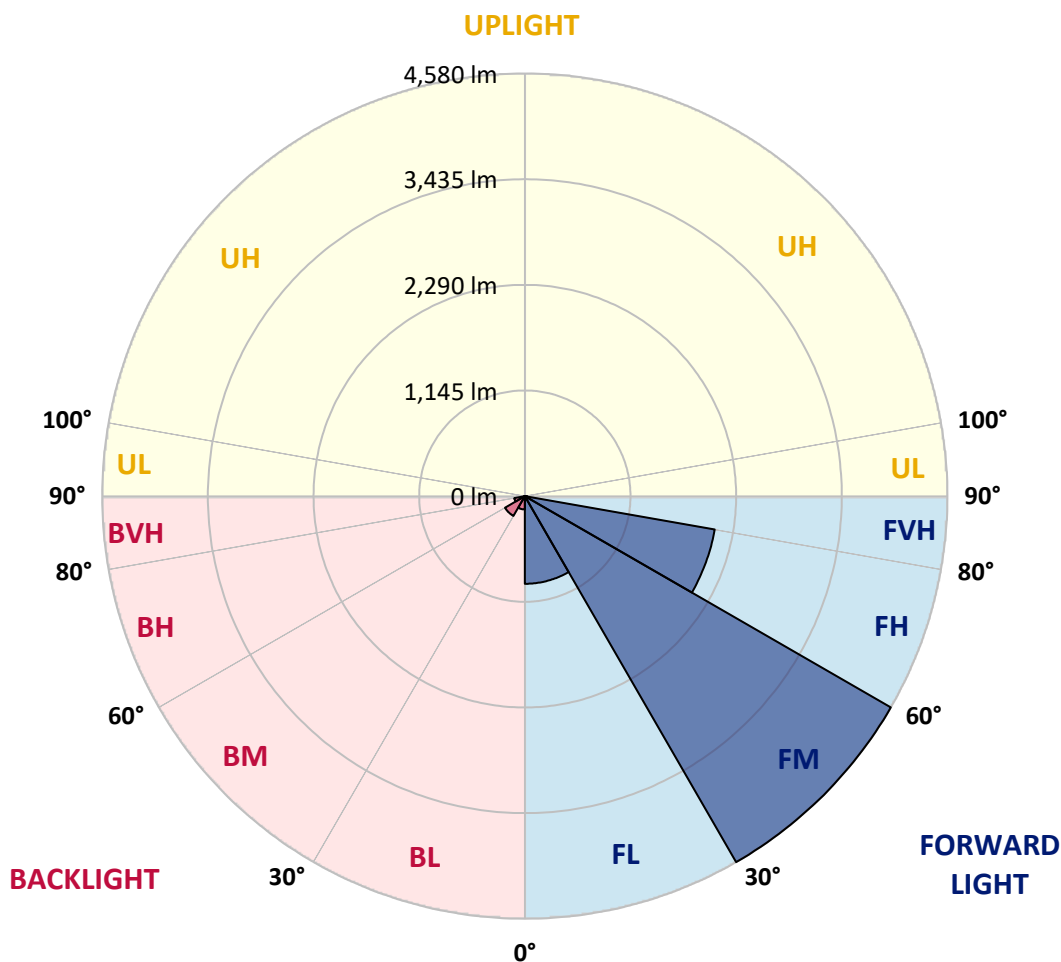
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	950.0	11.6			
FM (30°-60°)	4580.0	56.2			
FH (60°-80°)	2089.6	25.6			G2/5000
FVH (80°-90°)	25.8	0.3			G1/100
BL (0°-30°)	144.5	1.8	B1/500		
BM (30°-60°)	247.9	3.0	B1/1000		
BH (60°-80°)	115.6	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1
2.5°	1172.7	1130.0	1138.1	1120.5	1097.7	1044.6	988.7	932.7	882.7	871.6	821.6
5°	1501.8	1488.6	1474.6	1462.8	1414.9	1348.7	1247.8	1119.7	1004.2	984.3	880.5
7.5°	1757.3	1737.4	1749.9	1713.8	1663.8	1599.7	1471.6	1334.7	1156.5	1127.1	965.9
10°	1945.7	1934.7	1940.6	1923.7	1899.4	1835.3	1708.7	1537.2	1331.0	1275.1	1061.6
12.5°	2087.1	2089.3	2115.1	2116.5	2096.7	2044.4	1910.4	1731.5	1489.3	1439.2	1167.6
15°	2190.2	2192.4	2224.0	2257.9	2280.7	2253.5	2132.0	1931.8	1675.6	1607.1	1278.8
17.5°	2207.1	2208.6	2264.5	2333.0	2403.6	2427.2	2333.7	2130.5	1845.6	1767.6	1406.1
20°	2218.1	2230.6	2280.7	2359.5	2471.4	2544.3	2493.5	2321.2	2010.5	1920.0	1531.3
22.5°	2352.1	2352.1	2381.6	2437.5	2526.6	2640.7	2630.4	2496.4	2171.0	2081.2	1655.7
25°	2636.3	2636.3	2607.6	2592.8	2640.7	2730.5	2756.3	2683.4	2354.3	2248.3	1786.7
27.5°	3012.5	3012.5	2967.6	2859.3	2818.1	2855.7	2882.9	2846.1	2523.6	2419.1	1925.1
30°	3402.7	3415.9	3337.9	3200.2	3055.9	3027.2	3000.7	2992.6	2704.0	2586.2	2065.7
32.5°	3794.3	3792.8	3695.7	3524.1	3335.7	3234.1	3147.9	3138.4	2895.4	2779.8	2199.0
35°	4107.2	4107.9	4005.6	3829.6	3611.7	3482.2	3343.8	3298.9	3105.2	2976.4	2358.0
37.5°	4378.1	4362.6	4252.2	4085.1	3881.9	3747.9	3575.7	3458.6	3322.4	3191.4	2517.0
40°	4533.4	4512.8	4405.3	4246.3	4092.5	3990.1	3838.5	3651.5	3560.9	3419.6	2698.1
42.5°	4556.3	4538.6	4467.2	4371.5	4245.6	4155.8	4115.3	3869.4	3811.2	3683.1	2914.6
45°	4492.2	4463.5	4439.9	4389.9	4354.5	4311.1	4366.3	4101.3	4098.3	3971.0	3128.8
47.5°	4333.2	4294.2	4300.1	4355.3	4395.0	4434.0	4606.3	4405.3	4387.7	4268.4	3410.0
50°	4061.5	4042.4	4107.2	4216.1	4373.7	4529.8	4845.6	4716.0	4785.9	4674.0	3798.0
52.5°	3509.4	3533.0	3726.6	3988.7	4261.0	4574.7	5070.1	5179.8	5358.7	5266.7	4188.2
55°	2846.8	2838.0	3096.4	3561.7	3996.8	4545.9	5168.0	5452.9	5734.2	5637.7	4405.3
57.5°	2293.2	2308.7	2483.2	2943.3	3548.4	4324.4	5190.8	5595.8	5885.1	5821.0	4606.3
60°	1721.2	1735.9	1894.9	2295.4	2952.1	3862.0	5002.4	5645.8	6168.5	6119.9	4927.3
62.5°	1095.4	1114.6	1274.3	1663.8	2256.4	3143.5	4579.1	5593.5	6464.5	6504.9	5365.3
65°	538.9	555.8	673.6	971.8	1508.4	2350.6	3988.7	5394.0	6841.4	6957.0	5716.5
67.5°	298.2	306.3	346.7	494.7	841.5	1612.2	3205.4	4967.8	7014.4	7169.0	5740.0
70°	231.9	234.1	249.6	288.6	410.1	946.0	2280.0	4258.1	6655.9	6842.9	5262.3
72.5°	195.1	198.0	205.4	218.6	256.2	492.5	1432.6	3290.8	5600.2	5684.8	4071.1
75°	142.8	147.2	167.9	179.6	202.5	298.9	631.6	1977.4	3700.8	3617.6	2277.8
77.5°	120.0	123.7	128.8	145.8	167.1	203.9	221.6	828.9	1506.2	1309.7	597.8
80°	81.7	86.1	100.1	109.0	141.3	134.7	92.0	222.3	302.6	246.6	114.8
82.5°	58.2	61.8	69.2	89.1	102.3	71.4	50.1	67.7	72.9	69.2	37.5
85°	18.4	23.6	50.1	73.6	55.2	24.3	31.7	25.8	22.8	22.1	14.7
87.5°	3.7	3.7	25.0	29.4	22.1	12.5	11.0	8.1	10.3	10.3	8.1
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°	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1
2.5°	798.0	764.9	717.0	672.1	626.5	594.1	571.3	548.5	539.6	535.9	526.4
5°	833.4	770.1	675.1	598.5	542.6	507.2	485.9	467.5	455.7	452.0	446.9
7.5°	884.2	792.9	656.7	568.3	512.4	474.1	439.5	399.7	368.1	355.6	350.4
10°	939.4	827.5	659.6	562.4	488.1	404.2	326.9	262.8	234.8	224.5	217.2
12.5°	1020.4	865.8	672.1	555.8	415.2	288.6	209.1	182.6	175.9	174.5	173.0
15°	1101.3	919.5	692.8	511.6	309.9	196.6	173.7	164.2	160.5	156.8	156.8
17.5°	1183.1	971.0	700.8	425.5	214.2	170.1	158.3	150.2	144.3	141.3	139.1
20°	1275.1	1025.5	677.3	320.2	171.5	155.3	142.1	132.5	127.4	124.4	122.2
22.5°	1374.5	1079.2	625.8	223.1	156.1	139.9	127.4	117.8	112.6	109.7	109.0
25°	1468.0	1125.6	543.3	167.9	140.6	125.2	113.4	105.3	101.6	98.6	97.9
27.5°	1564.4	1165.4	435.8	148.0	128.1	113.4	101.6	95.0	91.3	89.1	88.3
30°	1658.6	1192.6	324.7	135.5	117.1	102.3	92.0	86.9	83.2	81.0	80.2
32.5°	1755.8	1208.1	219.4	124.4	106.0	92.8	83.9	78.8	76.6	74.4	74.4
35°	1849.3	1205.9	158.3	114.1	97.2	83.9	75.8	72.1	71.4	69.2	69.2
37.5°	1951.6	1190.4	134.7	104.5	87.6	75.8	69.2	67.0	66.3	64.8	64.0
40°	2067.9	1155.8	122.9	97.2	79.5	69.2	63.3	61.8	61.1	59.6	59.6
42.5°	2195.3	1110.9	116.3	89.1	72.9	62.6	58.2	56.0	55.2	53.7	53.7
45°	2343.3	1068.2	111.9	81.0	67.0	57.4	53.0	50.8	50.1	48.6	48.6
47.5°	2545.0	1043.9	104.5	73.6	60.4	52.3	47.9	46.4	44.9	43.4	43.4
50°	2822.5	1015.2	95.0	66.3	55.2	47.1	44.2	42.0	41.2	39.8	39.8
52.5°	3050.8	954.1	85.4	58.9	49.3	43.4	40.5	39.0	37.5	36.8	36.8
55°	3131.0	882.7	75.8	53.0	44.9	40.5	37.5	36.1	35.3	34.6	34.6
57.5°	3259.1	859.9	67.0	47.1	40.5	37.5	34.6	33.9	33.1	32.4	31.7
60°	3477.7	873.1	58.9	42.0	36.8	33.9	31.7	30.9	29.4	28.0	28.0
62.5°	3689.8	856.9	50.1	36.8	31.7	30.2	28.0	26.5	23.6	21.3	19.9
65°	3741.3	748.7	43.4	30.9	26.5	25.0	22.8	19.9	15.5	12.5	12.5
67.5°	3491.7	569.1	37.5	26.5	22.1	20.6	16.2	13.3	9.6	7.4	7.4
70°	2881.4	360.7	30.9	20.6	18.4	14.0	10.3	9.6	6.6	5.9	5.2
72.5°	2079.0	197.3	25.8	16.9	13.3	8.8	7.4	5.9	4.4	2.9	2.9
75°	1052.7	92.8	19.1	13.3	8.8	5.9	4.4	2.9	2.9	2.2	2.2
77.5°	298.2	42.7	12.5	8.8	5.9	3.7	2.9	2.2	2.2	1.5	1.5
80°	58.9	21.3	8.1	5.9	4.4	2.9	2.2	1.5	1.5	0.7	0.7
82.5°	21.3	11.0	5.9	4.4	3.7	2.9	1.5	0.7	0.7	0.0	0.0
85°	11.0	5.9	4.4	3.7	2.9	2.2	1.5	0.7	0.0	0.0	0.0
87.5°	5.9	4.4	3.7	3.7	2.9	2.2	1.5	0.7	0.0	0.0	0.0
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)