

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: P674545

Luminaire Tested: **CCP-SA-2D-730-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674545  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-730-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

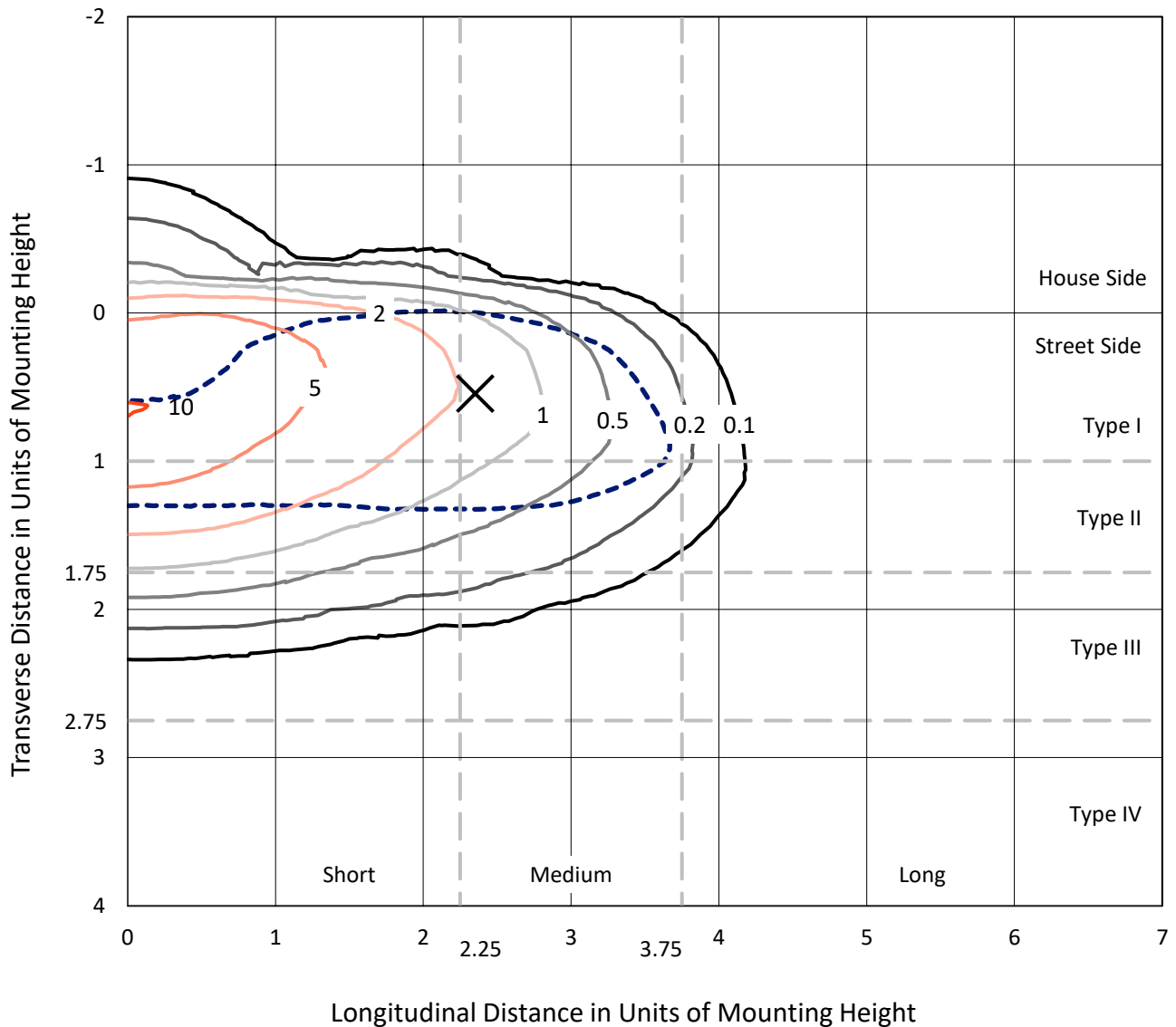
Lumens per Lamp: N/A  
Luminaire Lumens: 8223.1 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

REPORT NUMBER: P674545  
 CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

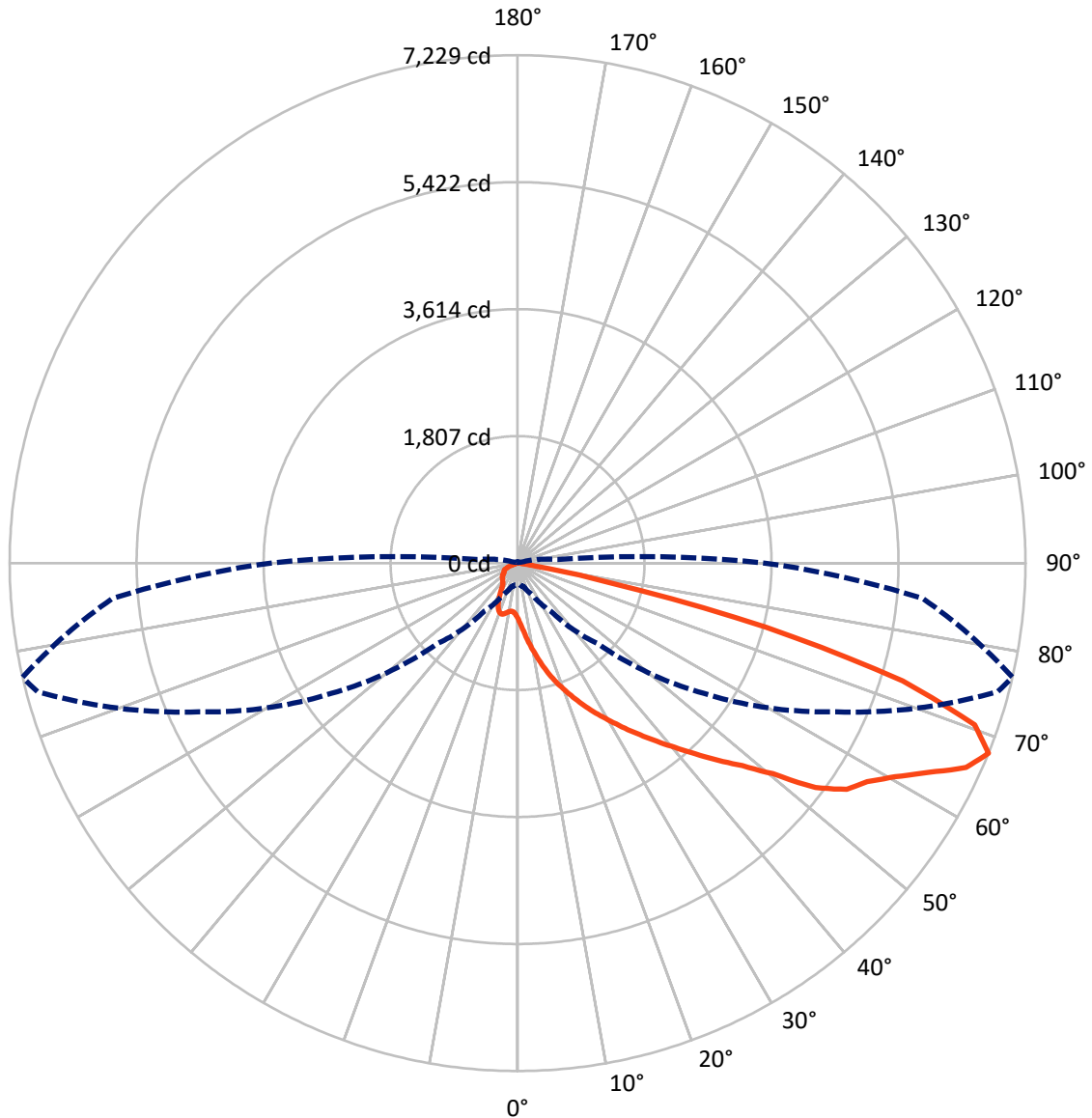
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674545  
CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674545  
 CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

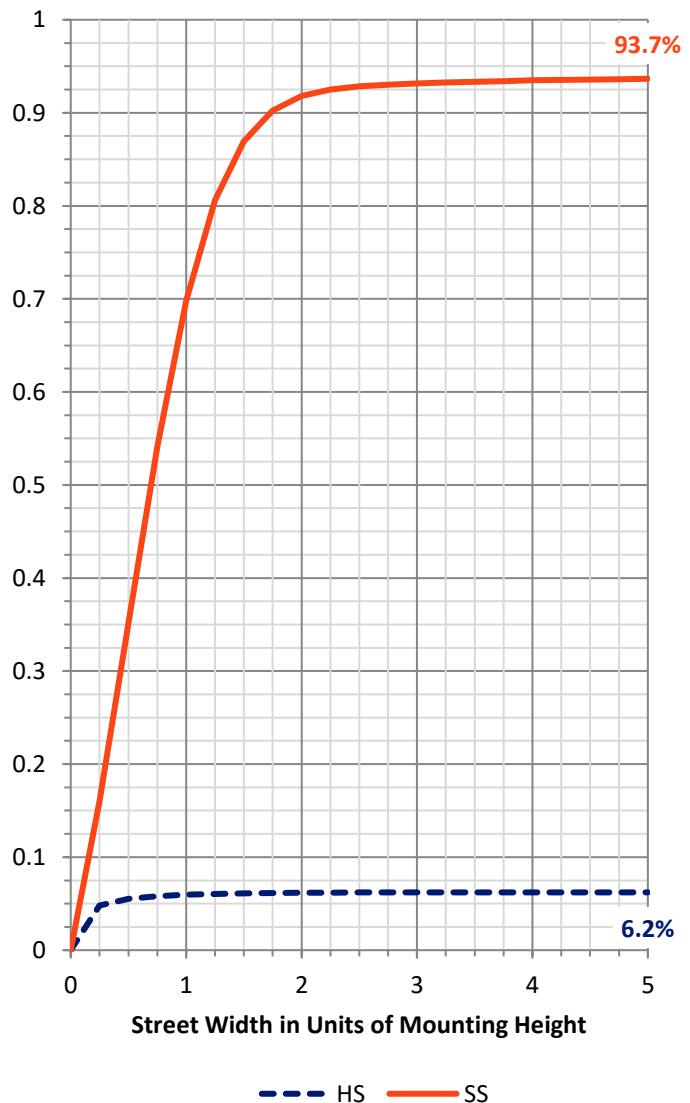
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	513.9	0.0	513.9
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	7709.3	0.0	7709.3
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	8223.1	0.0	8223.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.6	1.1
10°-20°	342.3	4.2
20°-30°	668.8	8.1
30°-40°	1169.2	14.2
40°-50°	1705.2	20.7
50°-60°	1993.9	24.2
60°-70°	1616.3	19.7
70°-80°	607.2	7.4
80°-90°	27.6	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°	8223.1	100.0
0°-180°	8223.1	100.0



REPORT NUMBER: P674545

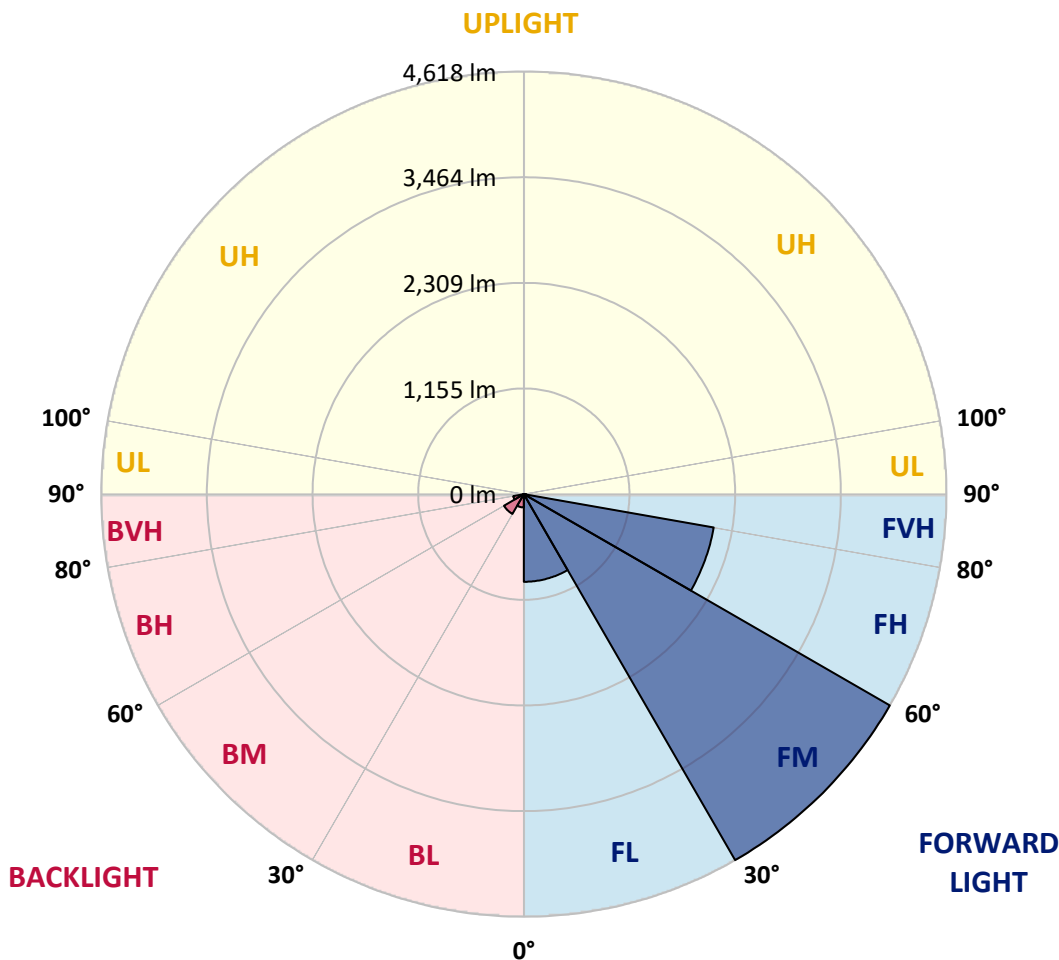
CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.9	11.6			
FM (30°-60°)	4618.3	56.2			
FH (60°-80°)	2107.0	25.6			G2/5000
FVH (80°-90°)	26.0	0.3			G1/100
BL (0°-30°)	145.7	1.8	B1/500		
BM (30°-60°)	250.0	3.0	B1/1000		
BH (60°-80°)	116.5	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





REPORT NUMBER: P674545

CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6
2.5°	1182.5	1139.5	1147.7	1129.8	1106.8	1053.4	997.0	940.5	890.1	878.9	828.4
5°	1514.4	1501.0	1486.9	1475.0	1426.8	1360.0	1258.3	1129.1	1012.5	992.5	887.8
7.5°	1772.0	1751.9	1764.5	1728.2	1677.7	1613.1	1483.9	1345.9	1166.2	1136.5	973.9
10°	1962.0	1950.9	1956.8	1939.7	1915.2	1850.6	1723.0	1550.0	1342.1	1285.7	1070.4
12.5°	2104.5	2106.8	2132.7	2134.2	2114.2	2061.5	1926.4	1746.0	1501.7	1451.3	1177.3
15°	2208.5	2210.7	2242.6	2276.7	2299.8	2272.3	2149.8	1947.9	1689.6	1620.5	1289.4
17.5°	2225.5	2227.0	2283.4	2352.5	2423.7	2447.5	2353.2	2148.3	1861.0	1782.4	1417.9
20°	2236.7	2249.3	2299.8	2379.2	2492.0	2565.5	2514.3	2340.6	2027.3	1936.0	1544.1
22.5°	2371.8	2371.8	2401.5	2457.9	2547.7	2662.8	2652.4	2517.3	2189.2	2098.6	1669.5
25°	2658.3	2658.3	2629.4	2614.5	2662.8	2753.3	2779.3	2705.8	2374.0	2267.1	1801.7
27.5°	3037.6	3037.6	2992.4	2883.2	2841.7	2879.5	2907.0	2869.9	2544.7	2439.3	1941.2
30°	3431.1	3444.4	3365.8	3226.9	3081.4	3052.5	3025.8	3017.6	2726.6	2607.8	2083.0
32.5°	3826.0	3824.5	3726.5	3553.6	3363.5	3261.1	3174.2	3164.6	2919.6	2803.1	2217.4
35°	4141.5	4142.2	4039.1	3861.6	3641.9	3511.3	3371.7	3326.4	3131.2	3001.3	2377.7
37.5°	4414.7	4399.1	4287.7	4119.2	3914.3	3779.2	3605.5	3487.5	3350.2	3218.0	2538.0
40°	4571.3	4550.5	4442.1	4281.8	4126.7	4023.5	3870.5	3682.0	3590.7	3448.2	2720.7
42.5°	4594.3	4576.5	4504.5	4408.0	4281.1	4190.5	4149.7	3901.7	3843.1	3713.9	2938.9
45°	4529.7	4500.8	4477.0	4426.6	4390.9	4347.1	4402.8	4135.6	4132.6	4004.2	3154.9
47.5°	4369.4	4330.1	4336.0	4391.7	4431.8	4471.1	4644.8	4442.1	4424.3	4304.1	3438.5
50°	4095.5	4076.2	4141.5	4251.4	4410.2	4567.6	4886.1	4755.4	4825.9	4713.1	3829.7
52.5°	3538.7	3562.5	3757.7	4022.0	4296.6	4612.9	5112.5	5223.1	5403.5	5310.7	4223.2
55°	2870.6	2861.7	3122.3	3591.4	4030.1	4583.9	5211.2	5498.5	5782.1	5684.8	4442.1
57.5°	2312.4	2328.0	2503.9	2967.9	3578.1	4360.5	5234.2	5642.5	5934.2	5869.7	4644.8
60°	1735.6	1750.4	1910.8	2314.6	2976.8	3894.3	5044.2	5693.0	6220.0	6171.0	4968.5
62.5°	1104.6	1123.9	1285.0	1677.7	2275.3	3169.8	4617.3	5640.3	6518.5	6559.3	5410.2
65°	543.4	560.5	679.2	979.9	1521.0	2370.3	4022.0	5439.1	6898.5	7015.1	5764.2
67.5°	300.6	308.8	349.6	498.9	848.5	1625.7	3232.1	5009.3	7073.0	7228.9	5788.0
70°	233.8	236.1	251.7	291.0	413.5	953.9	2299.0	4293.7	6711.5	6900.0	5306.2
72.5°	196.7	199.7	207.1	220.5	258.3	496.6	1444.6	3318.2	5647.0	5732.3	4105.1
75°	144.0	148.5	169.3	181.1	204.1	301.4	636.9	1993.9	3731.7	3647.8	2296.8
77.5°	121.0	124.7	129.9	147.0	168.5	205.6	223.4	835.9	1518.8	1320.6	602.8
80°	82.4	86.9	101.0	109.9	142.5	135.8	92.8	224.2	305.1	248.7	115.8
82.5°	58.6	62.4	69.8	89.8	103.2	72.0	50.5	68.3	73.5	69.8	37.9
85°	18.6	23.8	50.5	74.2	55.7	24.5	31.9	26.0	23.0	22.3	14.8
87.5°	3.7	3.7	25.2	29.7	22.3	12.6	11.1	8.2	10.4	10.4	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674545  
 CATALOG NUMBER: CCP-SA-2D-730-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6	787.6
2.5°	804.7	771.3	723.0	677.8	631.7	599.1	576.1	553.0	544.1	540.4	530.8
5°	840.3	776.5	680.7	603.5	547.1	511.5	489.9	471.4	459.5	455.8	450.6
7.5°	891.5	799.5	662.2	573.1	516.7	478.1	443.2	403.1	371.2	358.5	353.4
10°	947.2	834.4	665.1	567.1	492.2	407.5	329.6	265.0	236.8	226.4	219.0
12.5°	1028.9	873.0	677.8	560.5	418.7	291.0	210.8	184.1	177.4	175.9	174.4
15°	1110.5	927.2	698.5	515.9	312.5	198.2	175.2	165.5	161.8	158.1	158.1
17.5°	1192.9	979.1	706.7	429.1	216.0	171.5	159.6	151.4	145.5	142.5	140.3
20°	1285.7	1034.1	682.9	322.9	173.0	156.6	143.3	133.6	128.4	125.5	123.2
22.5°	1385.9	1088.3	631.0	224.9	157.4	141.0	128.4	118.8	113.6	110.6	109.9
25°	1480.2	1135.0	547.8	169.3	141.8	126.2	114.3	106.2	102.4	99.5	98.7
27.5°	1577.5	1175.1	439.5	149.2	129.2	114.3	102.4	95.8	92.0	89.8	89.1
30°	1672.5	1202.6	327.4	136.6	118.0	103.2	92.8	87.6	83.9	81.7	80.9
32.5°	1770.5	1218.2	221.2	125.5	106.9	93.5	84.6	79.4	77.2	75.0	75.0
35°	1864.8	1215.9	159.6	115.1	98.0	84.6	76.5	72.7	72.0	69.8	69.8
37.5°	1967.9	1200.4	135.8	105.4	88.3	76.5	69.8	67.6	66.8	65.3	64.6
40°	2085.2	1165.5	124.0	98.0	80.2	69.8	63.8	62.4	61.6	60.1	60.1
42.5°	2213.6	1120.2	117.3	89.8	73.5	63.1	58.6	56.4	55.7	54.2	54.2
45°	2362.9	1077.1	112.8	81.7	67.6	57.9	53.4	51.2	50.5	49.0	49.0
47.5°	2566.3	1052.6	105.4	74.2	60.9	52.7	48.3	46.8	45.3	43.8	43.8
50°	2846.1	1023.7	95.8	66.8	55.7	47.5	44.5	42.3	41.6	40.1	40.1
52.5°	3076.2	962.1	86.1	59.4	49.7	43.8	40.8	39.3	37.9	37.1	37.1
55°	3157.2	890.1	76.5	53.4	45.3	40.8	37.9	36.4	35.6	34.9	34.9
57.5°	3286.3	867.0	67.6	47.5	40.8	37.9	34.9	34.1	33.4	32.7	31.9
60°	3506.8	880.4	59.4	42.3	37.1	34.1	31.9	31.2	29.7	28.2	28.2
62.5°	3720.6	864.1	50.5	37.1	31.9	30.4	28.2	26.7	23.8	21.5	20.0
65°	3772.6	755.0	43.8	31.2	26.7	25.2	23.0	20.0	15.6	12.6	12.6
67.5°	3520.9	573.8	37.9	26.7	22.3	20.8	16.3	13.4	9.7	7.4	7.4
70°	2905.5	363.7	31.2	20.8	18.6	14.1	10.4	9.7	6.7	5.9	5.2
72.5°	2096.4	198.9	26.0	17.1	13.4	8.9	7.4	5.9	4.5	3.0	3.0
75°	1061.5	93.5	19.3	13.4	8.9	5.9	4.5	3.0	3.0	2.2	2.2
77.5°	300.6	43.1	12.6	8.9	5.9	3.7	3.0	2.2	2.2	1.5	1.5
80°	59.4	21.5	8.2	5.9	4.5	3.0	2.2	1.5	1.5	0.7	0.7
82.5°	21.5	11.1	5.9	4.5	3.7	3.0	1.5	0.7	0.7	0.0	0.0
85°	11.1	5.9	4.5	3.7	3.0	2.2	1.5	0.7	0.0	0.0	0.0
87.5°	5.9	4.5	3.7	3.7	3.0	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)