

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: P672139

Luminaire Tested: **CCP-SA-2B-760-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672139  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-760-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

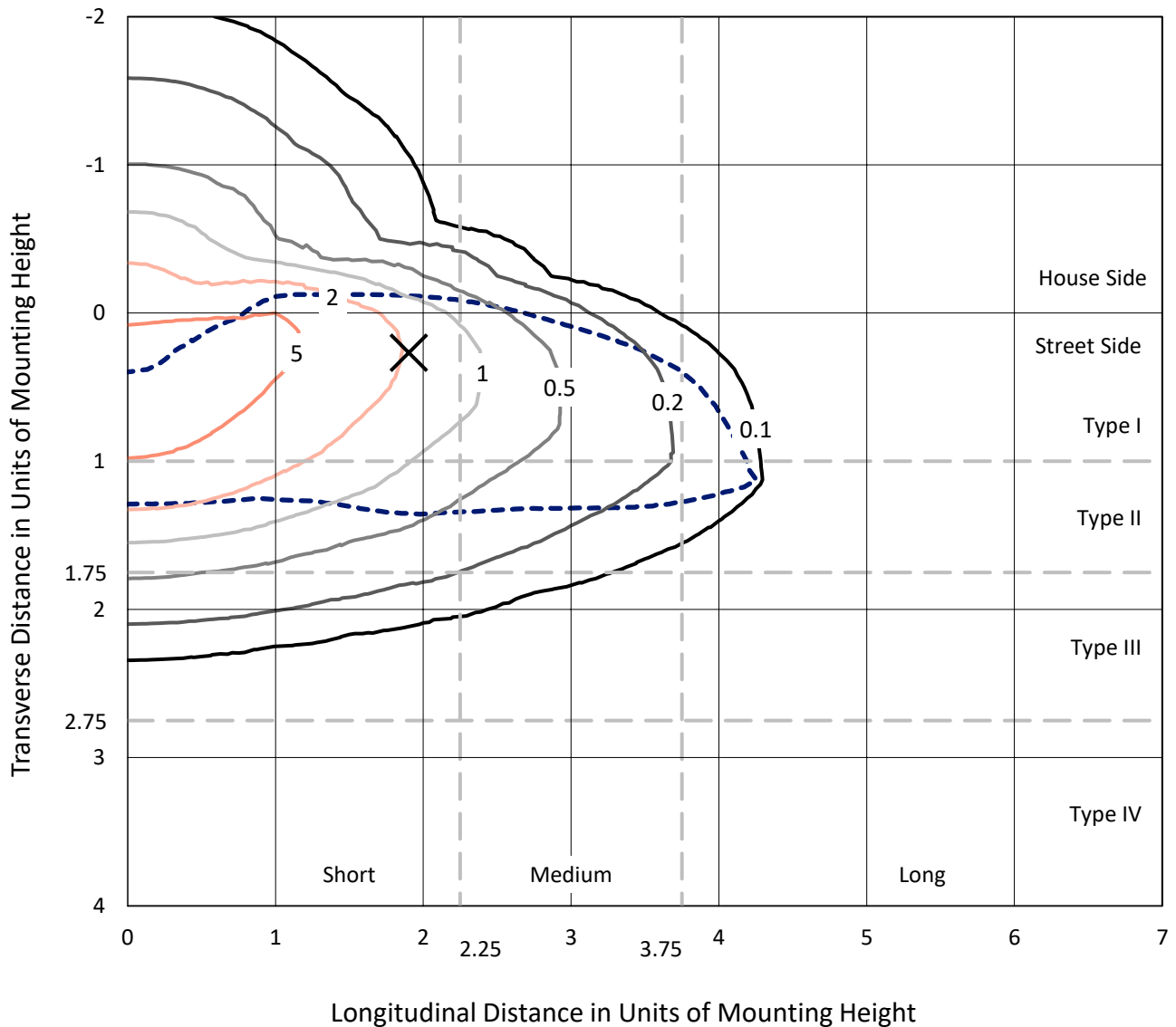
Lumens per Lamp: N/A  
Luminaire Lumens: 7175.7 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 46  
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

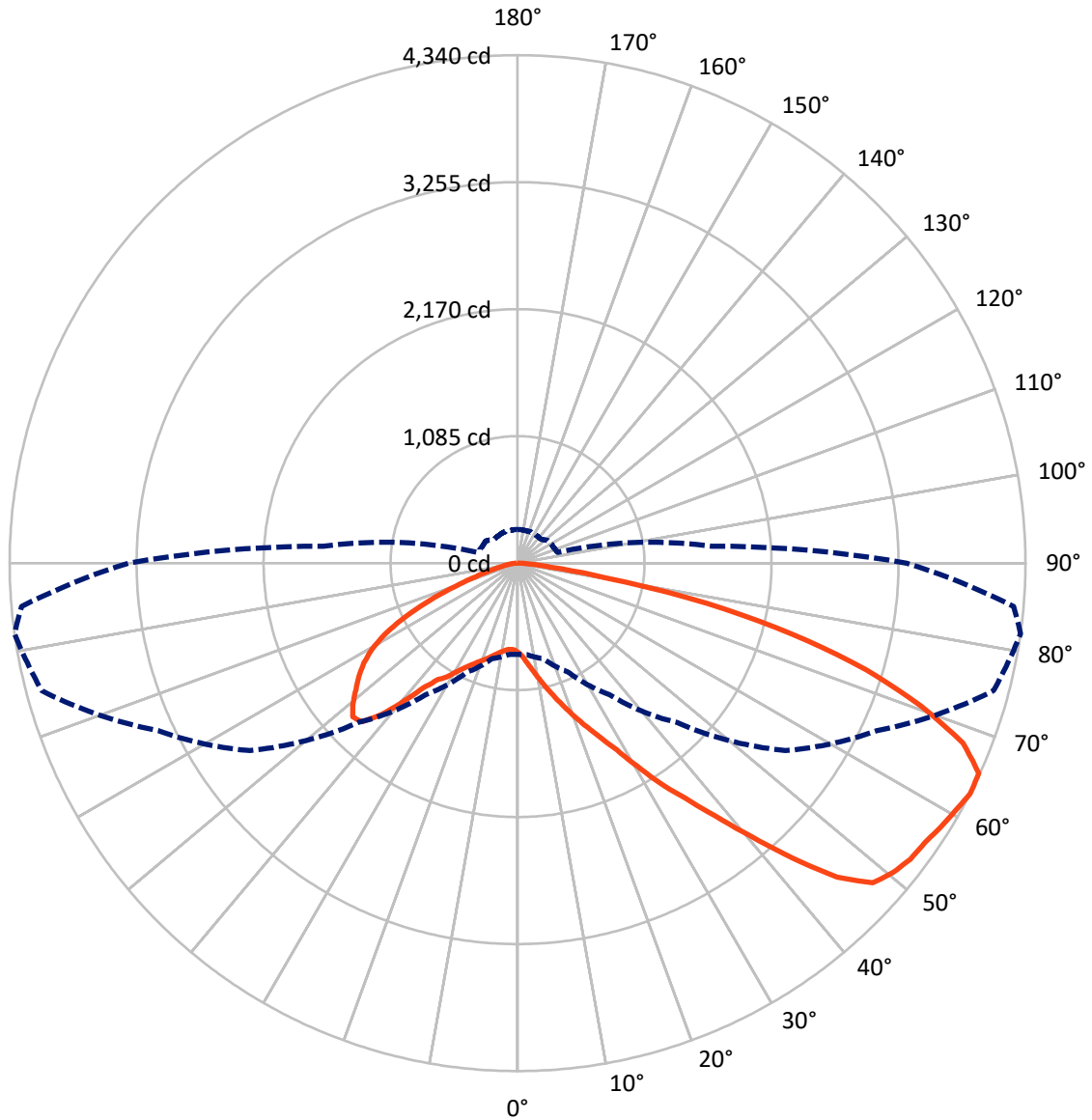
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 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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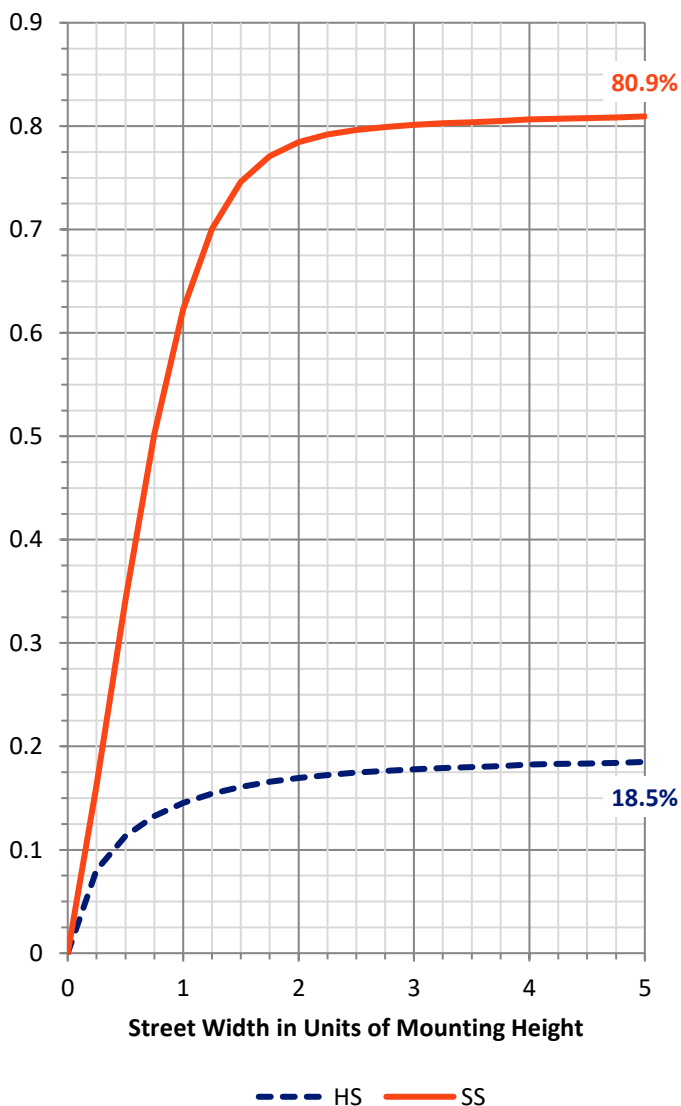
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1351.9	0.0	1351.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5823.8	0.0	5823.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	7175.7	0.0	7175.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.4	1.2
10°-20°	318.5	4.4
20°-30°	659.6	9.2
30°-40°	1119.5	15.6
40°-50°	1524.5	21.2
50°-60°	1543.1	21.5
60°-70°	1216.2	16.9
70°-80°	599.1	8.3
80°-90°	110.8	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°	7175.7	100.0
0°-180°	7175.7	100.0



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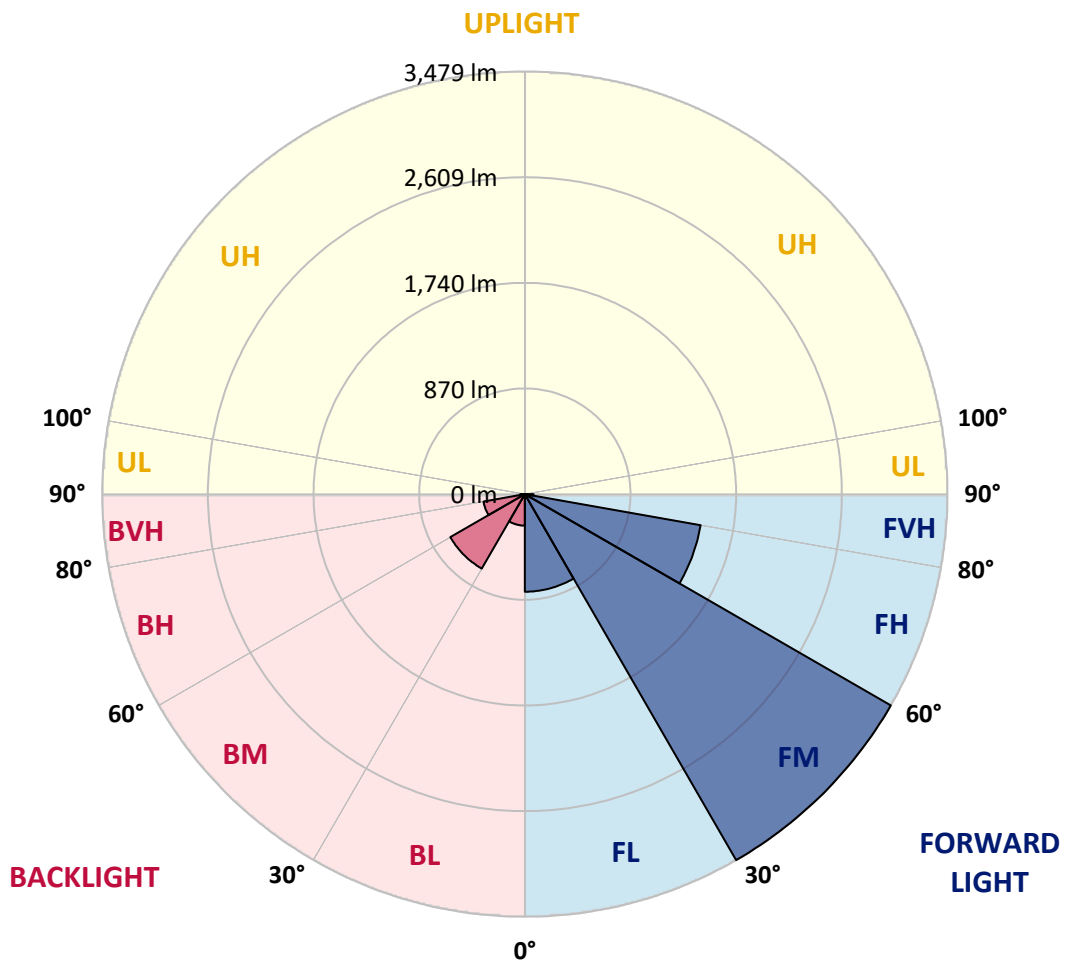
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	803.1	11.2			
FM (30°-60°)	3479.0	48.5			
FH (60°-80°)	1469.7	20.5			G1/1800
FVH (80°-90°)	72.0	1.0			G1/100
BL (0°-30°)	259.4	3.6	B1/500		
BM (30°-60°)	708.1	9.9	B1/1000		
BH (60°-80°)	345.6	4.8	B1/500		G1/500
BVH (80°-90°)	38.8	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°	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1
2.5°	1016.2	1000.7	992.5	983.2	957.3	940.8	909.8	873.7	831.8	796.2	789.4
5°	1230.7	1215.2	1217.2	1194.5	1156.8	1121.6	1063.8	995.6	916.0	855.1	833.9
7.5°	1382.0	1365.0	1369.1	1359.8	1329.3	1290.6	1217.2	1129.4	1013.1	922.7	888.6
10°	1483.3	1485.4	1488.5	1484.8	1465.2	1437.8	1365.0	1267.9	1123.2	1002.8	956.3
12.5°	1598.0	1603.7	1602.6	1604.2	1593.9	1572.2	1500.9	1409.4	1240.5	1089.1	1028.6
15°	1744.2	1738.5	1743.2	1749.9	1738.5	1714.8	1651.7	1543.2	1363.4	1185.2	1110.3
17.5°	1904.4	1892.5	1904.9	1898.2	1889.9	1874.4	1805.2	1689.4	1490.5	1289.0	1201.2
20°	2042.8	2035.1	2041.8	2042.8	2044.4	2041.3	1970.0	1847.0	1623.8	1402.2	1299.4
22.5°	2198.3	2194.7	2193.7	2194.2	2195.8	2199.4	2150.8	2019.6	1771.6	1521.0	1405.3
25°	2415.8	2412.2	2388.5	2362.1	2346.6	2358.0	2332.7	2215.4	1934.8	1654.3	1521.5
27.5°	2659.7	2654.0	2622.5	2555.9	2506.3	2514.5	2511.9	2431.3	2122.9	1807.2	1661.0
30°	2912.9	2898.9	2855.5	2762.0	2684.0	2669.5	2676.7	2649.9	2359.5	2010.3	1855.3
32.5°	3138.6	3112.8	3055.5	2960.9	2867.9	2826.1	2827.1	2839.0	2616.8	2246.9	2058.8
35°	3276.6	3259.5	3216.6	3121.1	3017.2	2989.3	2981.6	3041.0	2852.9	2466.0	2241.2
37.5°	3351.0	3334.4	3288.5	3211.5	3132.9	3121.6	3136.0	3228.0	3121.1	2739.3	2489.2
40°	3337.5	3320.0	3290.0	3236.3	3184.6	3193.4	3257.5	3399.5	3414.0	3066.3	2842.6
42.5°	3227.0	3208.4	3205.8	3202.2	3177.9	3216.6	3332.4	3525.1	3683.2	3444.0	3270.4
45°	3031.7	3020.3	3033.8	3095.8	3126.2	3201.1	3367.5	3586.0	3919.8	3827.8	3674.9
47.5°	2784.2	2777.5	2808.0	2906.1	3004.8	3153.6	3390.8	3602.6	4082.5	4082.5	3940.0
50°	2507.3	2504.7	2545.0	2687.6	2842.1	3066.3	3388.2	3618.1	4153.8	4157.5	4033.5
52.5°	2120.8	2134.3	2241.7	2429.8	2639.6	2929.4	3352.0	3661.5	4194.1	4202.4	4096.0
55°	1675.5	1688.4	1850.6	2103.8	2372.4	2763.0	3244.0	3648.6	4201.9	4220.5	4131.6
57.5°	1337.6	1340.2	1441.4	1742.1	2074.9	2550.2	3119.5	3562.8	4179.2	4260.3	4186.4
60°	1046.7	1055.0	1122.7	1360.8	1729.7	2275.8	2980.5	3478.1	4192.1	4298.0	4236.0
62.5°	779.6	781.7	844.7	1029.2	1374.3	1926.1	2792.0	3387.7	4210.2	4340.4	4256.1
65°	507.9	507.3	568.3	734.7	1026.6	1548.4	2495.9	3246.1	4211.7	4331.1	4163.7
67.5°	322.9	325.0	351.3	456.2	687.1	1168.7	2092.9	2983.1	4138.3	4105.8	3826.8
70°	261.9	262.5	270.7	298.1	418.5	798.7	1573.2	2571.9	3906.4	3656.8	3326.2
72.5°	233.5	234.0	238.2	241.3	279.0	480.0	1032.3	2088.3	3494.1	3116.9	2759.4
75°	209.8	209.8	212.3	209.2	228.9	301.2	585.9	1570.1	2877.7	2427.2	2084.7
77.5°	183.9	183.4	183.4	181.9	197.9	220.1	293.5	1095.8	2072.8	1655.3	1352.1
80°	156.0	155.0	156.5	155.5	171.0	166.9	171.0	676.3	1123.7	759.0	575.5
82.5°	121.4	121.4	126.1	127.1	141.0	120.9	120.4	320.8	426.8	283.6	212.3
85°	63.5	71.3	96.1	100.2	106.4	75.9	88.3	149.8	171.0	108.5	77.5
87.5°	19.1	20.1	58.9	66.1	65.6	38.2	54.2	72.3	80.1	48.0	31.5
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°	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1	763.1
2.5°	772.4	754.3	716.1	682.0	656.1	631.3	614.3	605.5	594.1	595.7	592.1
5°	796.2	759.0	691.3	636.5	599.8	571.9	554.9	546.1	537.8	533.7	536.8
7.5°	831.8	773.9	679.4	613.3	575.0	551.3	542.0	539.4	537.3	535.8	538.3
10°	877.8	800.3	677.3	605.0	569.9	555.4	551.8	550.2	548.2	546.1	547.6
12.5°	924.8	829.2	684.6	607.1	578.1	567.3	562.6	560.6	555.4	552.8	553.3
15°	983.7	864.4	694.4	615.3	589.0	575.0	568.8	563.1	554.9	551.3	552.8
17.5°	1046.7	906.2	707.8	623.1	593.1	576.1	563.7	555.4	547.1	542.0	542.5
20°	1118.0	947.5	719.7	625.7	591.0	567.3	552.3	542.5	531.6	525.9	524.4
22.5°	1191.9	990.9	729.0	623.6	579.7	552.3	535.2	523.4	510.4	501.7	502.2
25°	1281.8	1049.8	736.7	616.4	564.7	532.7	513.5	498.6	485.1	476.9	477.4
27.5°	1389.8	1116.5	746.0	605.0	546.6	511.5	489.3	474.3	461.4	453.6	452.6
30°	1533.9	1203.3	756.4	591.0	523.9	488.2	466.5	451.0	438.6	431.4	431.4
32.5°	1696.2	1309.2	763.6	574.5	498.6	463.4	443.8	431.4	422.1	412.3	411.3
35°	1837.2	1391.3	785.8	561.6	476.3	440.2	426.8	418.0	404.0	394.7	393.2
37.5°	2044.4	1536.0	851.4	558.0	449.5	422.1	419.5	403.0	387.0	369.4	367.9
40°	2378.1	1786.6	927.9	540.4	421.6	412.3	409.7	387.5	349.8	338.9	336.9
42.5°	2802.8	2088.3	936.2	489.3	402.0	404.0	396.3	352.9	336.3	328.1	326.0
45°	3186.2	2333.2	889.1	437.1	387.5	391.6	375.6	340.0	330.7	322.9	320.8
47.5°	3401.6	2408.6	800.3	397.8	376.6	380.8	342.5	333.8	324.5	316.7	314.6
50°	3462.1	2343.0	697.0	375.1	368.4	369.9	333.8	328.6	320.3	314.1	311.0
52.5°	3473.9	2244.8	601.4	361.7	362.2	348.2	326.0	321.9	316.7	306.9	303.3
55°	3479.1	2156.5	515.6	353.4	358.0	320.3	317.7	314.6	310.5	300.2	298.1
57.5°	3492.5	2043.3	448.4	347.2	352.9	307.4	308.4	306.4	301.2	296.6	295.5
60°	3454.3	1886.8	396.8	341.0	345.6	296.6	297.6	298.6	294.0	292.9	292.4
62.5°	3326.2	1664.6	352.9	332.7	330.7	285.7	285.7	289.8	285.7	287.3	287.3
65°	3062.2	1381.5	313.6	317.2	307.4	273.8	273.3	280.5	274.3	281.1	281.6
67.5°	2612.2	1045.7	273.3	292.9	283.1	261.4	263.5	269.2	260.9	274.9	274.9
70°	2067.6	711.4	231.5	258.8	258.3	247.5	254.2	253.7	244.4	265.0	261.4
72.5°	1540.1	456.7	188.6	217.0	225.8	232.5	244.9	234.0	225.3	237.1	226.3
75°	1076.2	286.2	148.8	171.5	188.1	216.0	233.5	211.8	198.9	195.3	192.2
77.5°	644.3	182.9	117.3	130.7	146.7	196.3	219.1	188.6	168.9	166.9	160.7
80°	297.1	119.3	89.4	97.6	104.4	168.4	199.4	161.2	137.4	135.4	128.1
82.5°	134.3	78.5	66.6	69.7	70.3	133.8	168.4	127.6	104.9	170.0	147.2
85°	62.5	50.6	43.4	41.3	41.8	89.4	122.4	87.8	119.3	93.0	70.8
87.5°	26.9	25.8	22.2	17.6	16.0	19.1	47.0	36.7	52.2	20.7	13.9
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)