

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: P672098

Luminaire Tested: **CCP-SA-2E-730-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672098  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-730-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

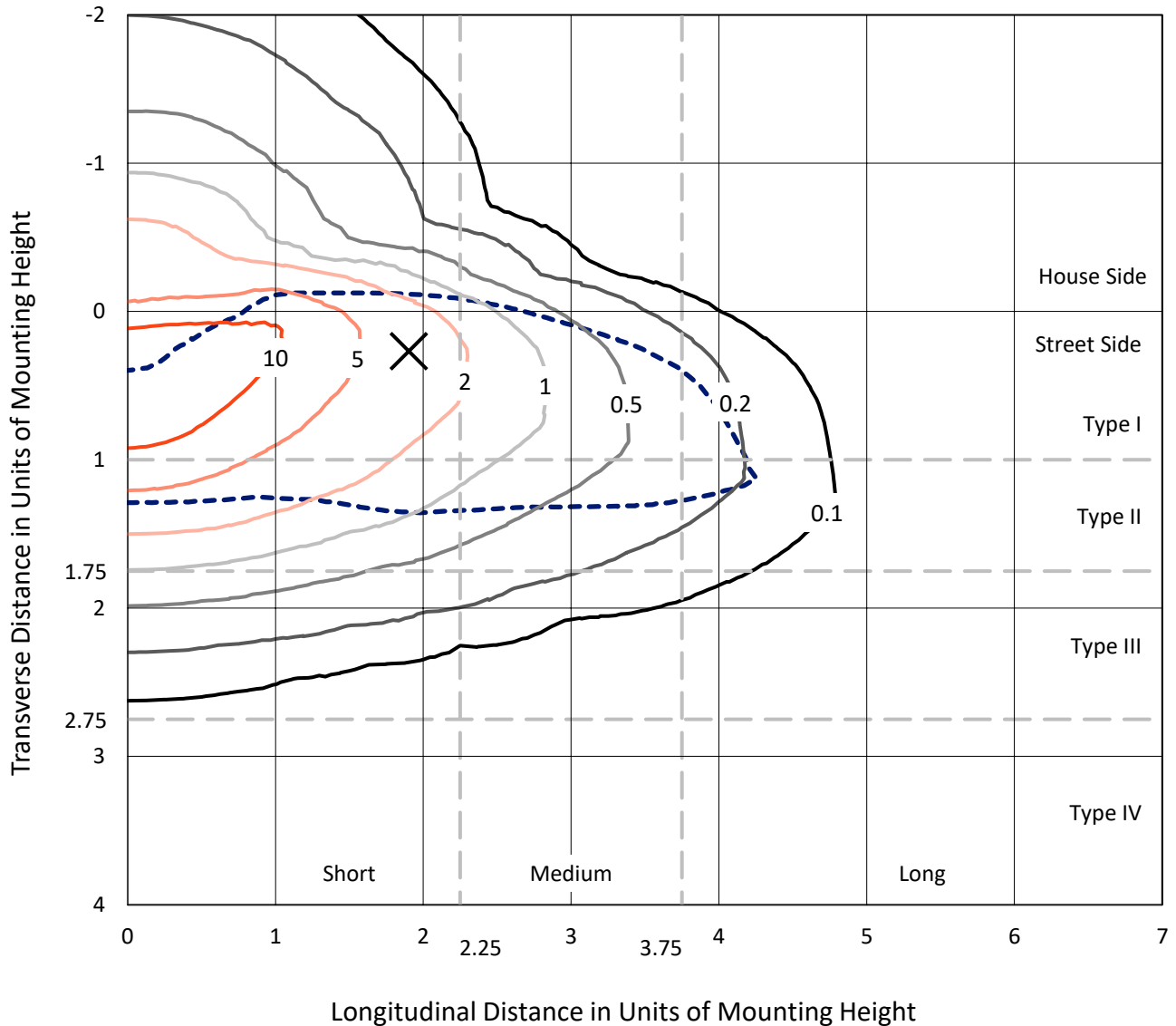
Lumens per Lamp: N/A  
Luminaire Lumens: 12646.9 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

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

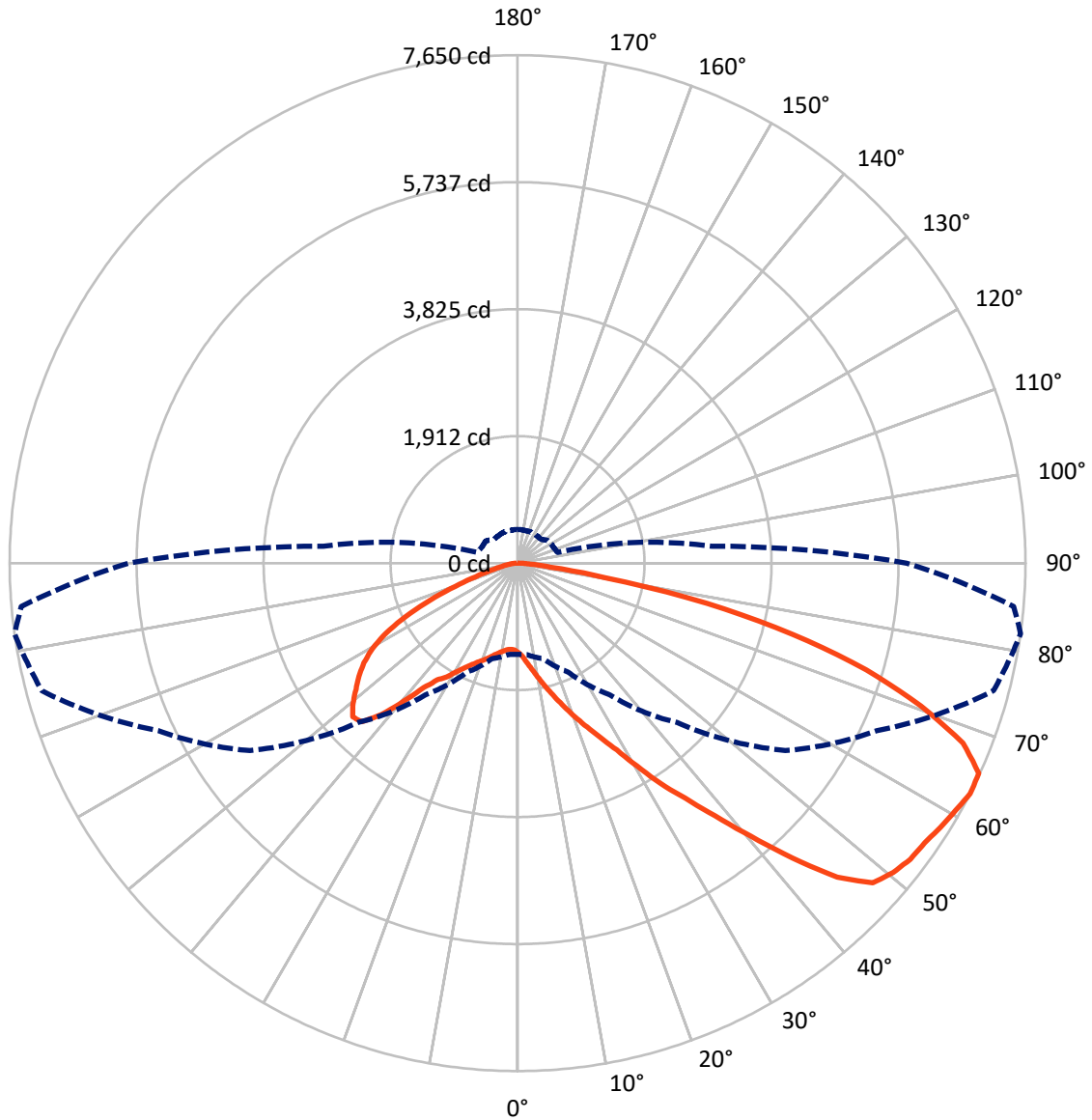
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14.8 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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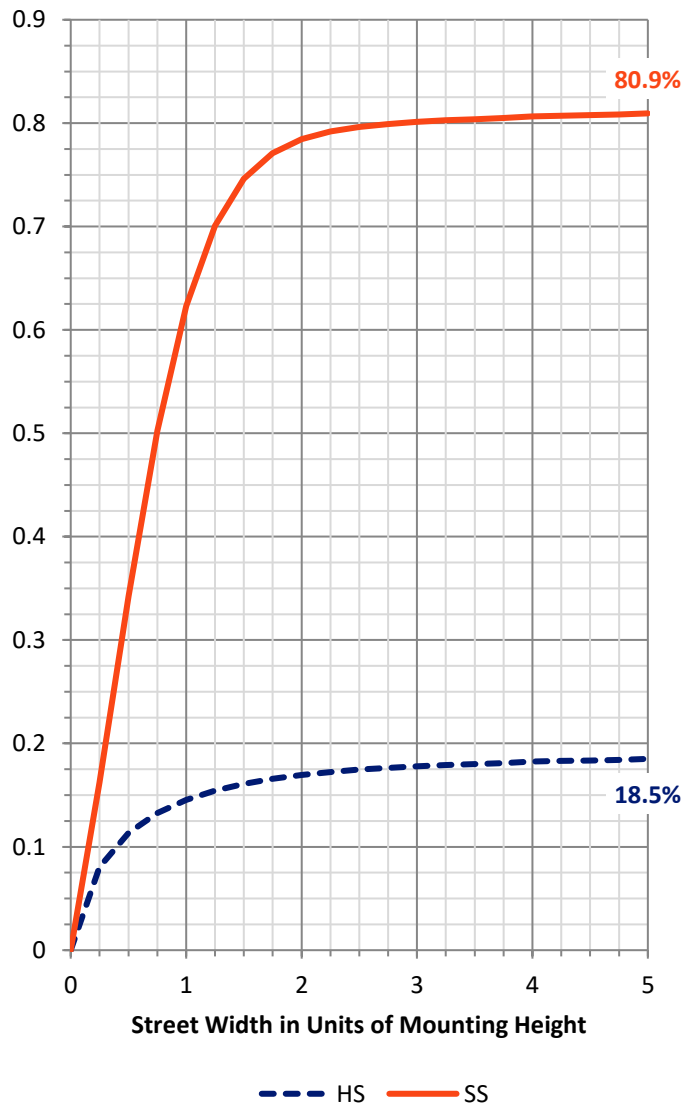
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2382.6	0.0	2382.6
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	10264.3	0.0	10264.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	12646.9	0.0	12646.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.8	1.2
10°-20°	561.3	4.4
20°-30°	1162.5	9.2
30°-40°	1973.1	15.6
40°-50°	2686.9	21.2
50°-60°	2719.7	21.5
60°-70°	2143.4	16.9
70°-80°	1055.9	8.3
80°-90°	195.3	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°	12646.9	100.0
0°-180°	12646.9	100.0



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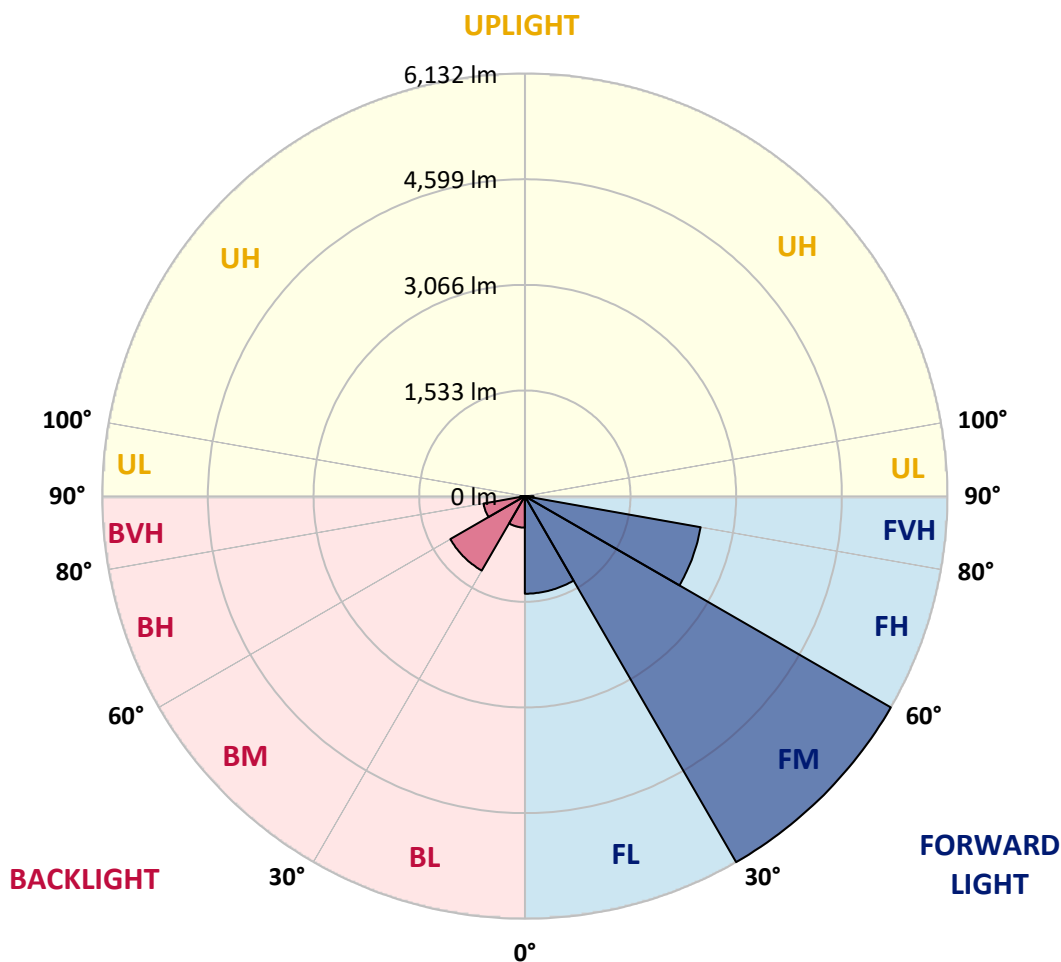
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1415.5	11.2			
FM	(30°-60°)	6131.7	48.5			
FH	(60°-80°)	2590.3	20.5			G2/5000
FVH	(80°-90°)	126.9	1.0			G2/225
BL	(0°-30°)	457.2	3.6	B1/500		
BM	(30°-60°)	1248.0	9.9	B2/2500		
BH	(60°-80°)	609.1	4.8	B2/1000		G2/1000
BVH	(80°-90°)	68.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9
2.5°	1791.1	1763.8	1749.2	1732.8	1687.3	1658.2	1603.5	1539.8	1466.0	1403.2	1391.4
5°	2169.0	2141.7	2145.3	2105.2	2038.8	1976.9	1874.9	1754.7	1614.4	1507.0	1469.7
7.5°	2435.8	2405.7	2413.0	2396.6	2342.9	2274.6	2145.3	1990.5	1785.6	1626.3	1566.2
10°	2614.3	2617.9	2623.4	2617.0	2582.4	2534.1	2405.7	2234.5	1979.6	1767.4	1685.5
12.5°	2816.4	2826.4	2824.6	2827.3	2809.1	2770.9	2645.2	2484.0	2186.3	1919.5	1813.0
15°	3074.1	3064.1	3072.3	3084.1	3064.1	3022.2	2911.1	2719.9	2403.0	2088.9	1956.8
17.5°	3356.4	3335.4	3357.3	3345.4	3330.9	3303.6	3181.5	2977.6	2627.0	2271.9	2117.1
20°	3600.4	3586.7	3598.6	3600.4	3603.1	3597.7	3472.0	3255.3	2861.9	2471.3	2290.1
22.5°	3874.5	3868.1	3866.3	3867.2	3869.9	3876.3	3790.7	3559.4	3122.4	2680.7	2476.8
25°	4257.8	4251.5	4209.6	4163.1	4135.8	4155.9	4111.2	3904.5	3410.1	2915.7	2681.6
27.5°	4687.6	4677.6	4622.1	4504.6	4417.2	4431.8	4427.2	4285.2	3741.5	3185.2	2927.5
30°	5133.8	5109.2	5032.7	4867.9	4730.4	4704.9	4717.7	4670.3	4158.6	3543.0	3269.9
32.5°	5531.7	5486.2	5385.1	5218.5	5054.6	4980.8	4982.7	5003.6	4612.1	3960.1	3628.6
35°	5774.9	5744.8	5669.2	5500.8	5317.7	5268.6	5254.9	5359.6	5028.2	4346.2	3950.1
37.5°	5906.0	5876.8	5795.8	5660.1	5521.7	5501.7	5527.2	5689.3	5500.8	4827.9	4387.1
40°	5882.3	5851.3	5798.5	5703.8	5612.8	5628.3	5741.2	5991.6	6017.1	5404.3	5010.0
42.5°	5687.4	5654.7	5650.1	5643.7	5600.9	5669.2	5873.2	6212.8	6491.5	6069.9	5763.9
45°	5343.2	5323.2	5346.9	5456.2	5509.9	5641.9	5935.1	6320.3	6908.5	6746.4	6476.9
47.5°	4907.1	4895.2	4949.0	5122.0	5295.9	5558.1	5976.1	6349.4	7195.4	7195.4	6944.0
50°	4419.0	4414.5	4485.5	4736.8	5009.1	5404.3	5971.5	6376.7	7321.0	7327.4	7108.8
52.5°	3737.9	3761.6	3951.0	4282.4	4652.1	5163.0	5907.8	6453.2	7392.0	7406.6	7219.0
55°	2953.0	2975.8	3261.7	3707.9	4181.4	4869.7	5717.5	6430.5	7405.7	7438.5	7281.9
57.5°	2357.5	2362.0	2540.5	3070.5	3656.9	4494.6	5498.0	6279.3	7365.6	7508.6	7378.4
60°	1844.8	1859.4	1978.7	2398.5	3048.6	4011.1	5253.1	6130.0	7388.4	7575.1	7465.8
62.5°	1374.1	1377.7	1488.8	1813.9	2422.1	3394.6	4920.7	5970.6	7420.3	7649.7	7501.3
65°	895.1	894.2	1001.6	1294.8	1809.3	2729.0	4399.0	5721.1	7423.0	7633.3	7338.3
67.5°	569.1	572.8	619.2	804.0	1211.1	2059.7	3688.7	5257.7	7293.7	7236.3	6744.6
70°	461.7	462.6	477.1	525.4	737.6	1407.7	2772.7	4532.8	6884.8	6445.0	5862.3
72.5°	411.6	412.5	419.8	425.2	491.7	845.9	1819.3	3680.5	6158.2	5493.5	4863.4
75°	369.7	369.7	374.2	368.8	403.4	530.9	1032.6	2767.2	5071.9	4277.9	3674.2
77.5°	324.2	323.3	323.3	320.5	348.7	387.9	517.2	1931.3	3653.2	2917.5	2383.0
80°	275.0	273.2	275.9	274.1	301.4	294.1	301.4	1191.9	1980.5	1337.6	1014.4
82.5°	214.0	214.0	222.2	224.0	248.6	213.1	212.2	565.5	752.1	499.9	374.2
85°	112.0	125.7	169.4	176.7	187.6	133.9	155.7	264.1	301.4	191.2	136.6
87.5°	33.7	35.5	103.8	116.6	115.6	67.4	95.6	127.5	141.1	84.7	55.5
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°	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9	1344.9
2.5°	1361.3	1329.4	1262.1	1202.0	1156.4	1112.7	1082.7	1067.2	1047.2	1049.9	1043.5
5°	1403.2	1337.6	1218.3	1121.8	1057.2	1008.0	978.0	962.5	947.9	940.6	946.1
7.5°	1466.0	1364.0	1197.4	1080.9	1013.5	971.6	955.2	950.6	947.0	944.3	948.8
10°	1547.1	1410.5	1193.8	1066.3	1004.4	978.9	972.5	969.8	966.1	962.5	965.2
12.5°	1629.9	1461.5	1206.5	1069.9	1018.9	999.8	991.6	988.0	978.9	974.3	975.2
15°	1733.7	1523.4	1223.8	1084.5	1038.1	1013.5	1002.5	992.5	978.0	971.6	974.3
17.5°	1844.8	1597.1	1247.5	1098.2	1045.3	1015.3	993.4	978.9	964.3	955.2	956.1
20°	1970.5	1670.0	1268.4	1102.7	1041.7	999.8	973.4	956.1	937.0	927.0	924.2
22.5°	2100.7	1746.5	1284.8	1099.1	1021.7	973.4	943.4	922.4	899.6	884.2	885.1
25°	2259.1	1850.3	1298.5	1086.3	995.3	938.8	905.1	878.7	855.0	840.5	841.4
27.5°	2449.4	1967.7	1314.9	1066.3	963.4	901.5	862.3	835.9	813.1	799.5	797.7
30°	2703.5	2120.7	1333.1	1041.7	923.3	860.5	822.2	794.9	773.1	760.3	760.3
32.5°	2989.4	2307.4	1345.8	1012.6	878.7	816.8	782.2	760.3	743.9	726.6	724.8
35°	3238.0	2452.2	1385.0	989.8	839.5	775.8	752.1	736.7	712.1	695.7	692.9
37.5°	3603.1	2707.1	1500.6	983.4	792.2	743.9	739.4	710.2	682.0	651.1	648.3
40°	4191.4	3148.8	1635.4	952.5	743.0	726.6	722.1	682.9	616.5	597.3	593.7
42.5°	4939.9	3680.5	1650.0	862.3	708.4	712.1	698.4	621.9	592.8	578.2	574.6
45°	5615.5	4112.1	1567.1	770.3	682.9	690.2	662.0	599.2	582.8	569.1	565.5
47.5°	5995.2	4245.1	1410.5	701.1	663.8	671.1	603.7	588.2	571.8	558.2	554.5
50°	6101.8	4129.5	1228.4	661.1	649.2	652.0	588.2	579.1	564.6	553.6	548.2
52.5°	6122.7	3956.4	1059.9	637.4	638.3	613.7	574.6	567.3	558.2	540.9	534.5
55°	6131.8	3800.7	908.8	622.8	631.0	564.6	560.0	554.5	547.3	529.0	525.4
57.5°	6155.5	3601.3	790.4	611.9	621.9	541.8	543.6	540.0	530.9	522.7	520.8
60°	6088.1	3325.4	699.3	601.0	609.2	522.7	524.5	526.3	518.1	516.3	515.4
62.5°	5862.3	2933.9	621.9	586.4	582.8	503.5	503.5	510.8	503.5	506.3	506.3
65°	5397.0	2434.9	552.7	559.1	541.8	482.6	481.7	494.4	483.5	495.4	496.3
67.5°	4603.9	1843.0	481.7	516.3	499.0	460.8	464.4	474.4	459.8	484.4	484.4
70°	3644.1	1253.9	407.9	456.2	455.3	436.2	448.0	447.1	430.7	467.1	460.8
72.5°	2714.4	804.9	332.4	382.4	397.9	409.8	431.6	412.5	397.0	418.0	398.8
75°	1896.7	504.5	262.2	302.3	331.4	380.6	411.6	373.3	350.6	344.2	338.7
77.5°	1135.5	322.3	206.7	230.4	258.6	346.0	386.1	332.4	297.8	294.1	283.2
80°	523.6	210.3	157.5	172.1	183.9	296.8	351.5	284.1	242.2	238.6	225.8
82.5°	236.7	138.4	117.5	122.9	123.8	235.8	296.8	224.9	184.8	299.6	259.5
85°	110.2	89.2	76.5	72.8	73.8	157.5	215.8	154.8	210.3	163.9	124.7
87.5°	47.3	45.5	39.2	31.0	28.2	33.7	82.9	64.7	92.0	36.4	24.6
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)