

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: P672242

Luminaire Tested: **CCP-SA-2E-730-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672242  
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-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

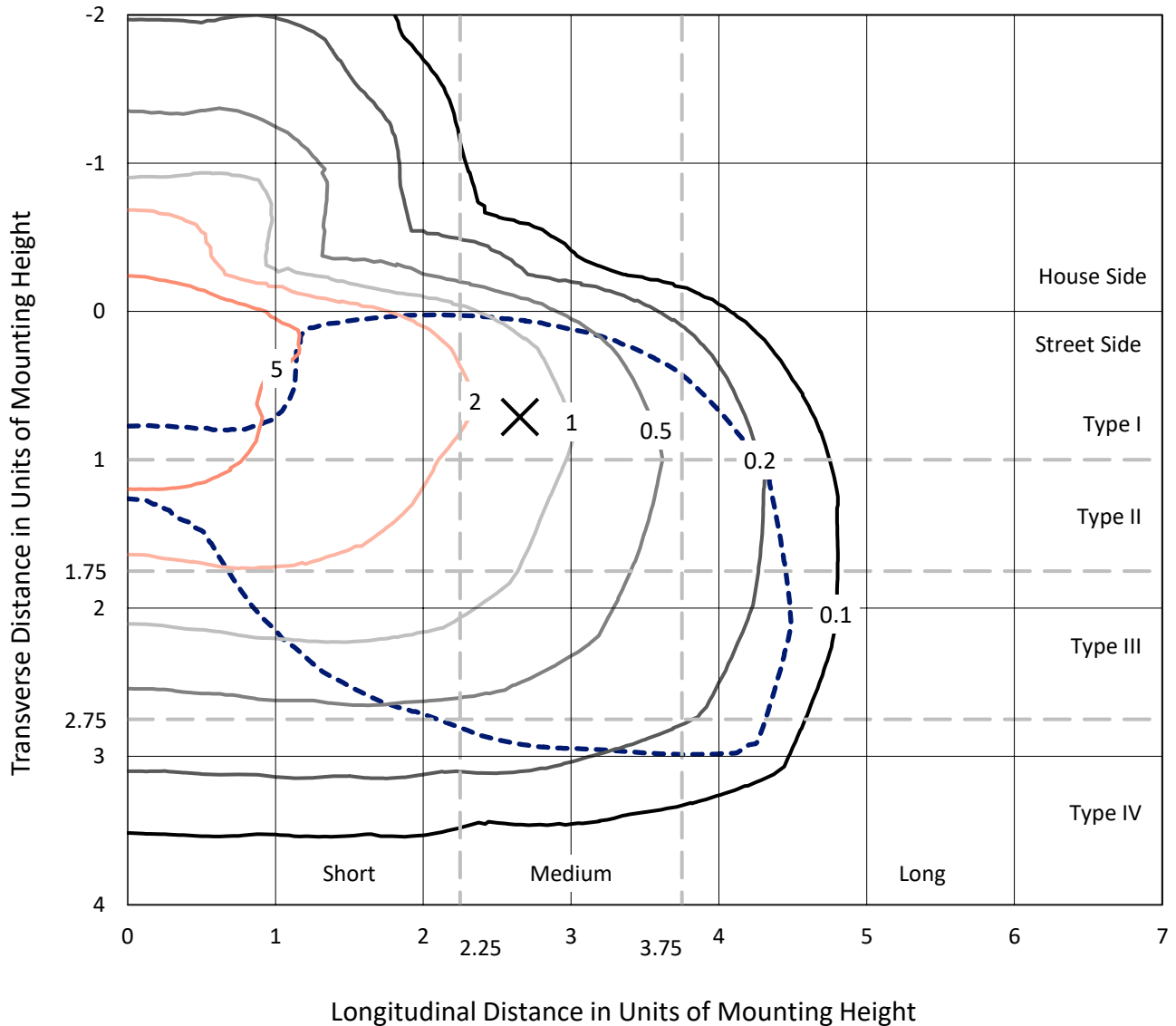
Lumens per Lamp: N/A  
Luminaire Lumens: 12654.6 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

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

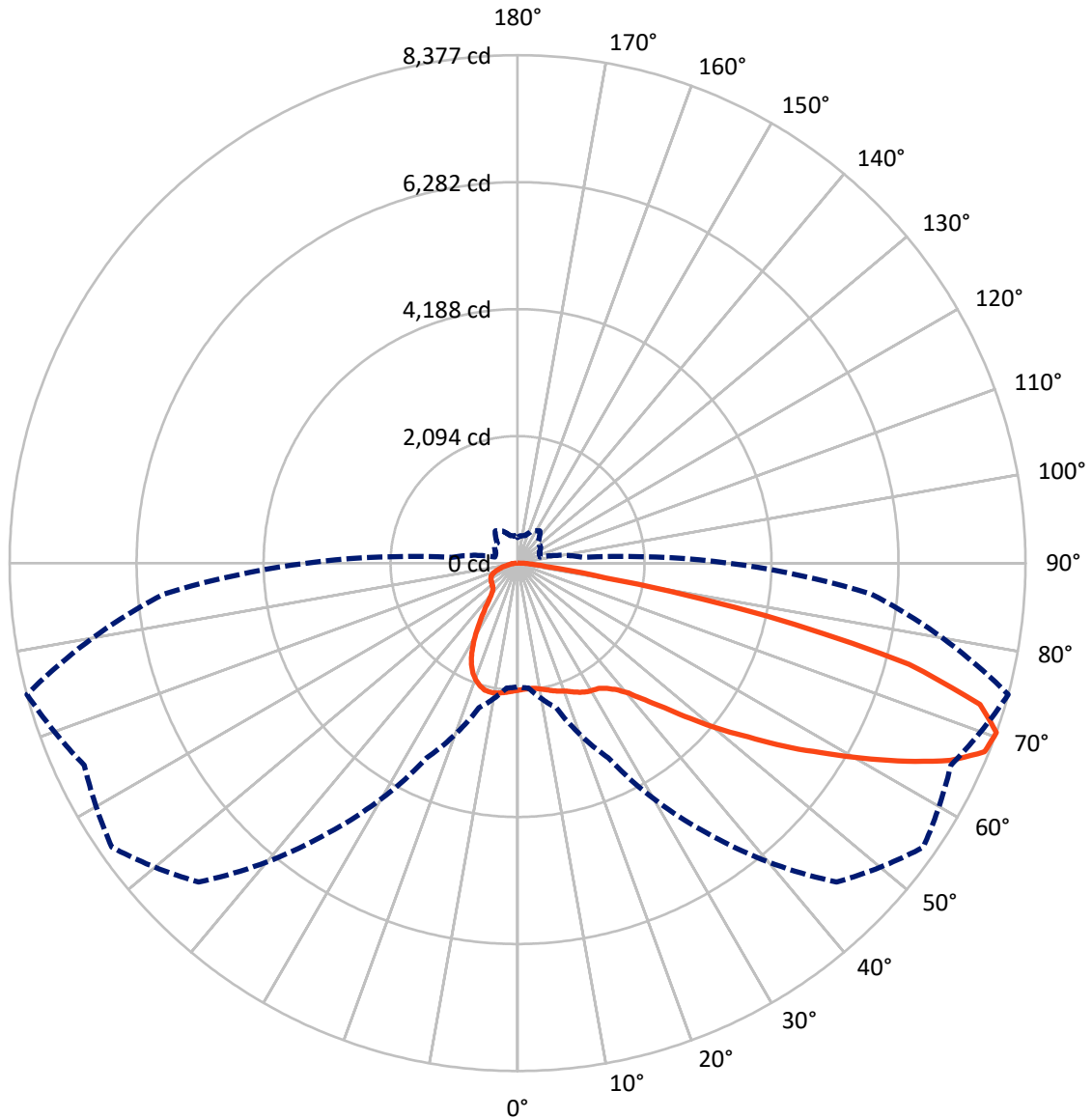
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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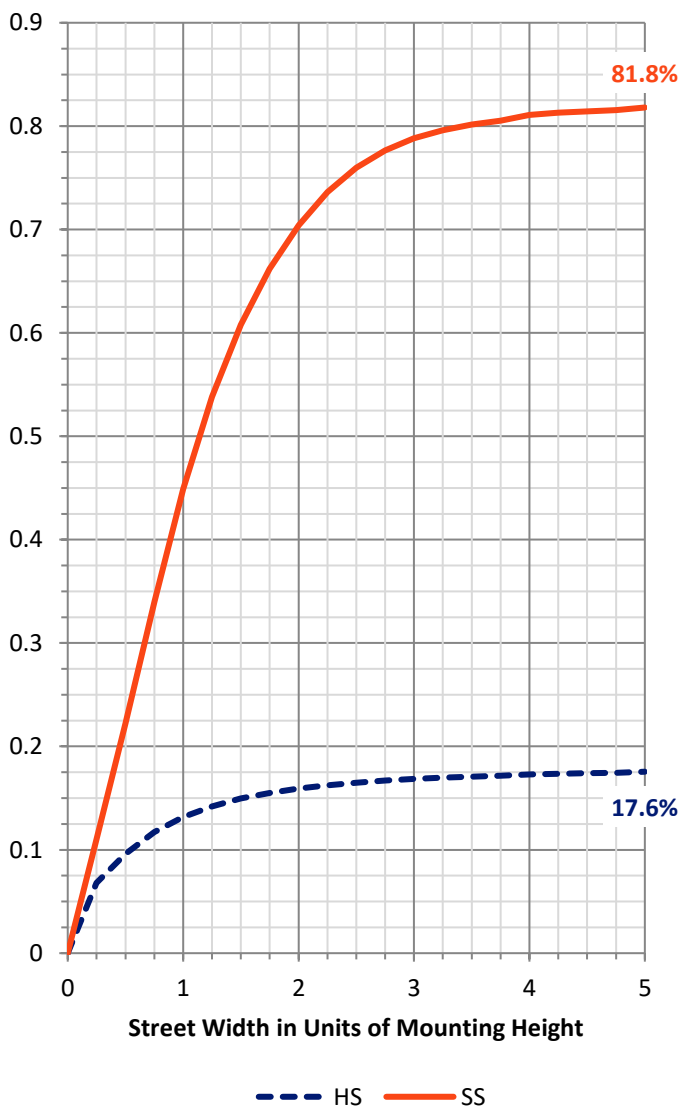
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2251.4	0.0	2251.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	10403.2	0.0	10403.2
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	12654.6	0.0	12654.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.3	1.5
10°-20°	502.5	4.0
20°-30°	846.7	6.7
30°-40°	1286.0	10.2
40°-50°	1842.3	14.6
50°-60°	2442.6	19.3
60°-70°	3056.7	24.2
70°-80°	2232.1	17.6
80°-90°	257.4	2.0
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°	12654.6	100.0
0°-180°	12654.6	100.0



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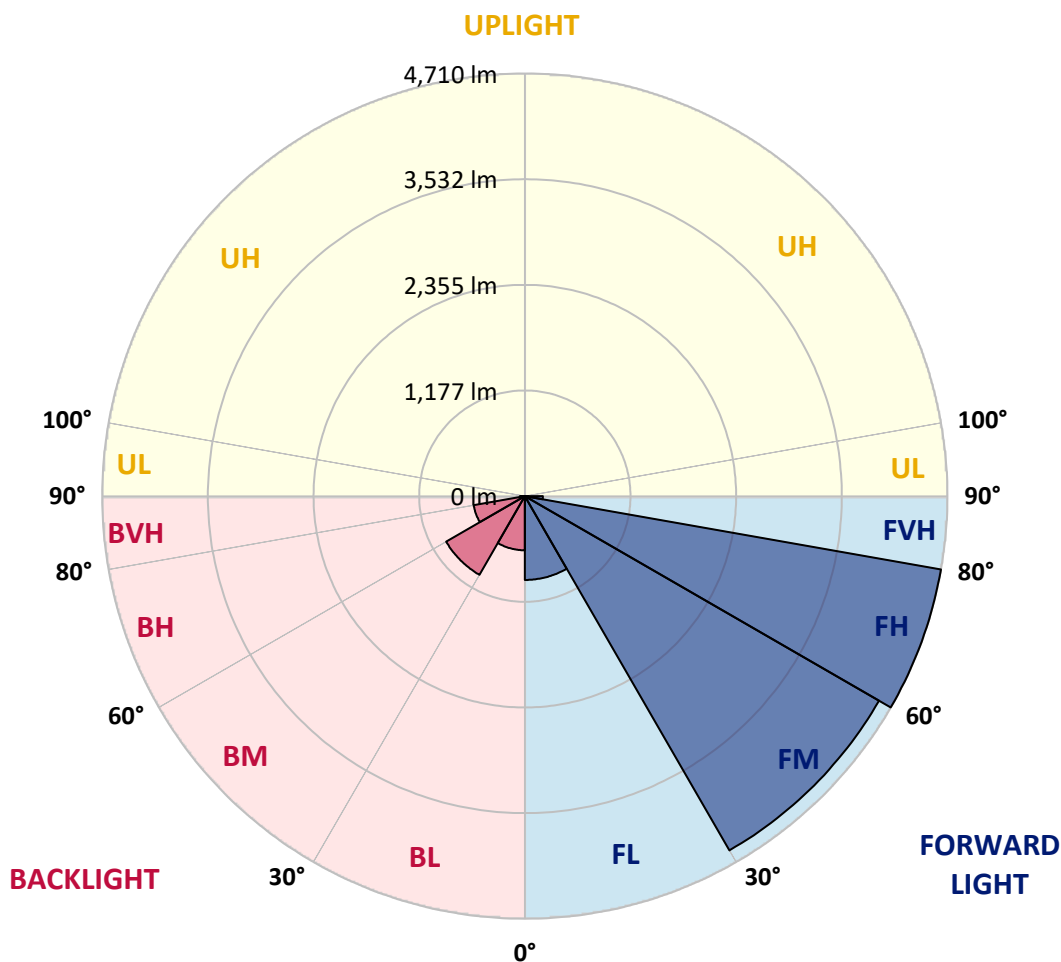
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.0	7.4			
FM (30°-60°)	4558.6	36.0			
FH (60°-80°)	4709.7	37.2			G2/5000
FVH (80°-90°)	200.8	1.6			G2/225
BL (0°-30°)	603.5	4.8	B2/1000		
BM (30°-60°)	1012.2	8.0	B2/2500		
BH (60°-80°)	579.1	4.6	B2/1000		G2/1000
BVH (80°-90°)	56.5	0.4			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2
2.5°	1981.4	1992.4	2002.4	2012.4	2020.6	2042.4	2047.0	2070.7	2077.0	2082.5	2089.8
5°	1870.3	1878.5	1888.6	1904.9	1922.2	1961.4	1988.7	2040.6	2069.8	2078.9	2104.4
7.5°	1810.2	1813.0	1826.6	1840.3	1860.3	1898.6	1935.9	2016.9	2075.2	2085.2	2139.9
10°	1766.5	1770.2	1782.9	1802.0	1822.1	1857.6	1904.0	2000.6	2095.3	2110.7	2188.1
12.5°	1751.1	1749.2	1763.8	1776.6	1804.8	1849.4	1897.7	2001.5	2122.6	2144.4	2258.3
15°	1813.0	1801.1	1810.2	1805.7	1814.8	1858.5	1915.9	2021.5	2156.3	2183.6	2331.1
17.5°	1949.6	1939.5	1933.2	1894.0	1868.5	1893.1	1947.7	2049.7	2191.8	2220.9	2396.7
20°	2153.5	2125.3	2101.6	2036.1	1965.0	1956.8	1995.1	2078.0	2225.5	2253.7	2465.9
22.5°	2385.7	2363.0	2324.7	2210.0	2099.8	2045.2	2055.2	2129.9	2274.6	2305.6	2545.1
25°	2678.9	2678.0	2599.7	2444.9	2278.3	2168.1	2147.2	2212.7	2330.2	2360.2	2610.6
27.5°	3013.1	2990.4	2897.5	2698.1	2488.6	2320.2	2271.0	2297.4	2374.8	2405.8	2663.5
30°	3299.1	3301.8	3207.1	2989.5	2712.6	2468.6	2375.7	2358.4	2403.9	2434.9	2712.6
32.5°	3605.0	3589.5	3503.0	3279.0	2954.8	2627.9	2443.1	2402.1	2434.0	2463.1	2780.9
35°	3892.8	3875.5	3800.8	3559.5	3221.7	2803.7	2534.2	2470.4	2505.0	2536.9	2864.7
37.5°	4166.8	4169.6	4084.9	3854.5	3480.3	3011.3	2668.9	2573.3	2610.6	2646.2	2992.2
40°	4406.3	4392.7	4327.1	4119.5	3748.9	3222.6	2821.0	2713.5	2786.4	2819.2	3153.4
42.5°	4482.8	4481.9	4507.4	4379.9	4031.2	3473.9	3010.4	2932.1	3035.0	3084.2	3351.0
45°	4416.3	4436.4	4583.9	4580.2	4313.4	3762.5	3269.0	3198.0	3346.4	3401.9	3592.3
47.5°	4350.8	4380.8	4581.2	4695.0	4566.6	4080.3	3586.8	3534.0	3747.1	3827.2	3842.7
50°	4255.2	4283.4	4522.0	4711.4	4721.4	4401.8	3998.4	3931.9	4206.0	4287.9	4114.9
52.5°	4148.6	4170.5	4417.2	4699.5	4795.1	4653.1	4401.8	4382.6	4697.7	4764.2	4391.8
55°	3560.4	3653.3	4263.4	4674.0	4846.1	4845.2	4794.2	4857.1	5234.0	5333.3	4700.4
57.5°	3222.6	3271.7	3829.9	4659.5	4941.7	5022.8	5199.4	5334.2	5806.8	5896.0	5041.0
60°	3112.4	3156.1	3612.3	4642.2	5132.1	5300.5	5595.5	5814.1	6422.4	6531.6	5421.6
62.5°	3012.2	3065.0	3524.0	4504.7	5362.4	5740.3	6068.1	6333.1	7071.6	7200.9	5800.4
65°	2808.2	2845.6	3361.9	4389.0	5581.0	6367.7	6750.2	6905.0	7700.8	7846.5	6051.8
67.5°	2455.8	2491.4	2996.7	4123.1	5723.0	7020.6	7495.9	7496.8	8187.1	8306.4	6104.6
70°	2041.5	2068.9	2470.4	3544.0	5427.1	7439.5	8168.9	7883.8	8324.6	8376.5	5853.2
72.5°	1459.7	1483.3	1809.3	2619.8	4450.0	7099.8	8321.8	7867.5	7991.3	7974.9	5138.4
75°	899.7	945.2	1108.2	1599.0	2765.4	5586.4	7489.6	7129.0	6710.1	6664.6	3869.1
77.5°	586.4	610.1	749.4	943.4	1220.2	3207.1	5688.4	5345.1	4237.0	4184.1	2079.8
80°	352.4	391.6	490.8	592.8	552.7	1226.6	3248.1	2655.3	1497.0	1480.6	639.2
82.5°	189.4	224.9	346.0	367.0	310.5	433.4	1176.5	863.2	479.0	473.5	239.5
85°	150.2	167.5	248.6	232.2	175.7	219.5	458.9	359.7	245.9	240.4	90.1
87.5°	91.1	114.7	188.5	156.6	87.4	79.2	210.3	170.3	115.6	107.4	35.5
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°	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2
2.5°	2103.5	2108.0	2112.6	2103.5	2107.1	2102.5	2102.5	2102.5	2090.7	2087.1	2098.0
5°	2123.5	2129.9	2133.5	2105.3	2088.0	2062.5	2041.5	2009.7	1991.5	1979.6	1979.6
7.5°	2164.5	2171.7	2155.4	2092.5	2031.5	1963.2	1893.1	1834.8	1792.9	1774.7	1780.2
10°	2224.6	2227.3	2172.7	2057.0	1926.8	1800.2	1701.0	1623.6	1571.7	1545.3	1541.6
12.5°	2294.7	2282.8	2176.3	1978.7	1785.7	1615.4	1494.3	1394.1	1327.6	1302.1	1289.4
15°	2363.9	2335.7	2162.6	1884.9	1625.4	1420.5	1265.7	1171.0	1130.0	1118.2	1113.6
17.5°	2425.8	2373.0	2117.1	1750.1	1439.6	1192.9	1079.0	1045.4	1049.9	1060.8	1065.4
20°	2482.3	2401.2	2051.5	1589.9	1207.4	1015.3	987.1	1018.0	1043.5	1059.9	1062.7
22.5°	2544.2	2428.5	1960.5	1395.0	1017.1	933.4	967.0	1002.6	1028.1	1044.4	1047.2
25°	2591.5	2427.6	1832.1	1163.7	896.9	911.5	951.6	983.4	1002.6	1014.4	1013.5
27.5°	2621.6	2405.8	1663.6	973.4	849.6	896.0	934.3	955.2	966.1	975.2	974.3
30°	2630.7	2363.9	1451.5	833.2	827.7	881.4	910.6	923.3	931.5	940.6	940.6
32.5°	2648.9	2299.2	1217.5	754.9	811.3	866.9	884.2	894.2	887.8	865.1	860.5
35°	2668.9	2227.3	996.2	718.5	795.9	856.9	873.3	846.8	777.6	768.5	764.9
37.5°	2708.1	2160.8	808.6	693.0	792.2	862.3	876.0	770.4	712.1	683.8	679.3
40°	2774.6	2094.3	682.9	674.7	796.8	886.0	839.6	733.9	637.4	583.7	574.6
42.5°	2862.0	2013.3	611.9	665.6	809.5	924.2	826.8	682.0	576.4	540.0	534.5
45°	2963.0	1905.9	578.2	663.8	825.0	943.4	830.5	640.1	549.1	520.9	519.0
47.5°	3067.8	1800.2	563.7	662.0	844.1	935.2	780.4	627.4	538.2	530.0	535.4
50°	3180.7	1680.0	551.8	657.4	859.6	935.2	753.1	624.7	541.8	560.0	578.2
52.5°	3286.3	1579.0	538.2	643.8	866.0	918.8	744.9	634.7	547.3	542.7	548.2
55°	3414.7	1527.1	530.9	624.7	854.1	868.7	734.8	662.0	551.8	514.5	514.5
57.5°	3561.3	1516.1	519.9	599.2	815.9	799.5	733.9	678.4	540.0	505.4	499.0
60°	3738.0	1539.8	506.3	567.3	769.4	745.8	727.6	678.4	520.9	489.9	492.6
62.5°	3880.9	1537.1	498.1	539.1	707.5	690.2	715.7	669.3	513.6	488.1	487.2
65°	3914.6	1478.8	474.4	502.6	631.0	622.8	703.0	646.5	503.6	478.1	470.8
67.5°	3800.8	1346.8	438.9	454.4	550.0	550.9	680.2	616.5	489.9	472.6	460.8
70°	3477.5	1089.1	386.1	396.1	462.6	474.4	646.5	581.0	467.1	448.9	420.7
72.5°	2910.2	783.1	325.1	327.8	367.9	398.8	588.2	532.7	433.4	390.6	360.6
75°	2154.4	519.9	265.0	261.3	275.9	324.2	502.6	479.0	389.7	324.2	308.7
77.5°	1139.1	307.8	204.0	204.9	195.8	248.6	398.8	416.1	346.0	273.2	257.7
80°	389.7	184.8	146.6	153.0	138.4	177.6	295.9	346.0	295.9	227.6	201.2
82.5°	178.5	112.9	104.7	109.3	99.3	120.2	203.1	262.2	235.8	165.7	133.9
85°	90.1	67.4	67.4	73.8	65.6	61.9	112.0	173.9	173.0	113.8	98.3
87.5°	37.3	32.8	31.0	35.5	31.0	23.7	31.9	62.8	91.1	68.3	43.7
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)