

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: P672340

Luminaire Tested: **CCP-SA-2D-850-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672340
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-850-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

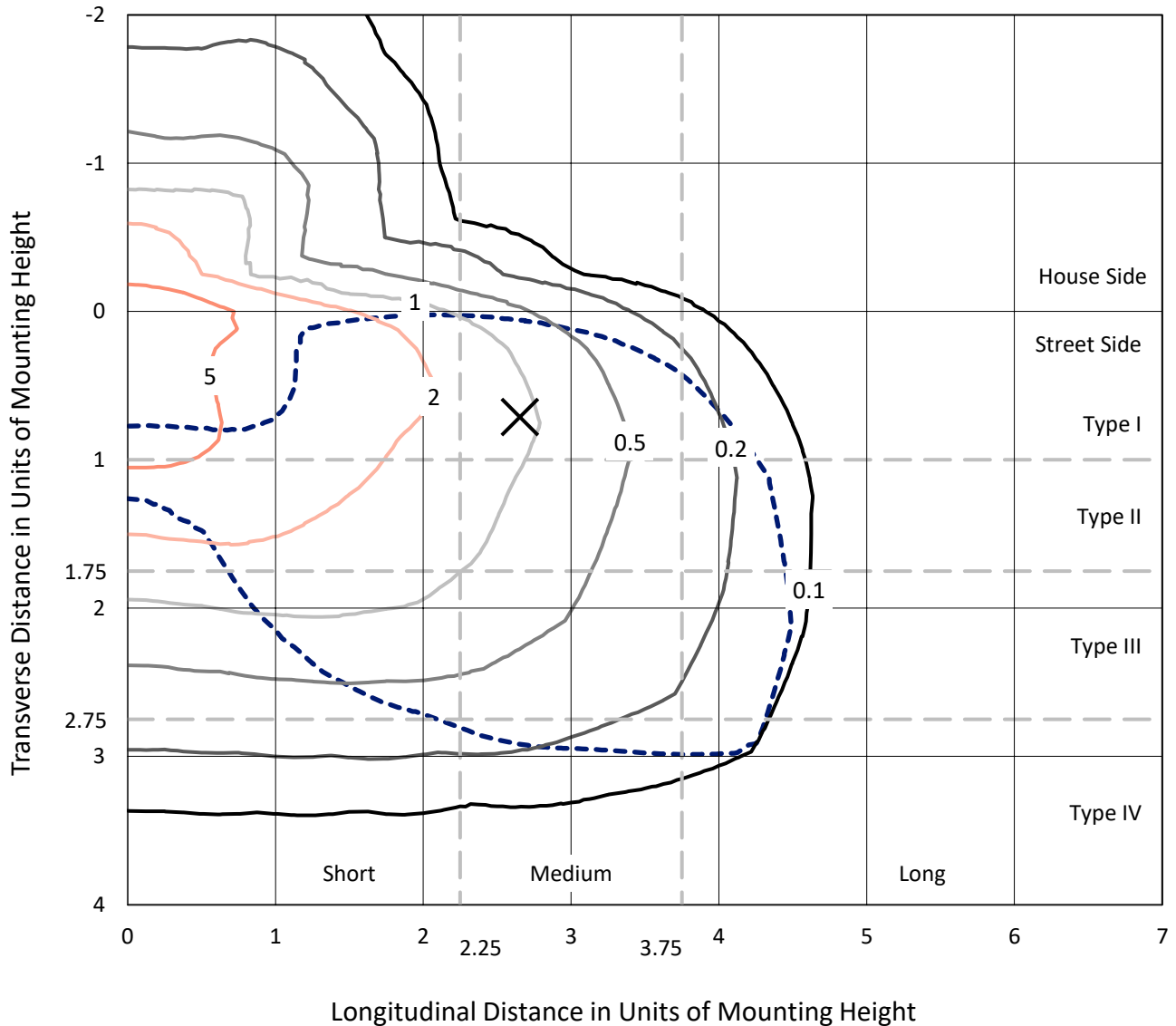
Lumens per Lamp: N/A
Luminaire Lumens: 9891.3 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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: P672340
 CATALOG NUMBER: CCP-SA-2D-850-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

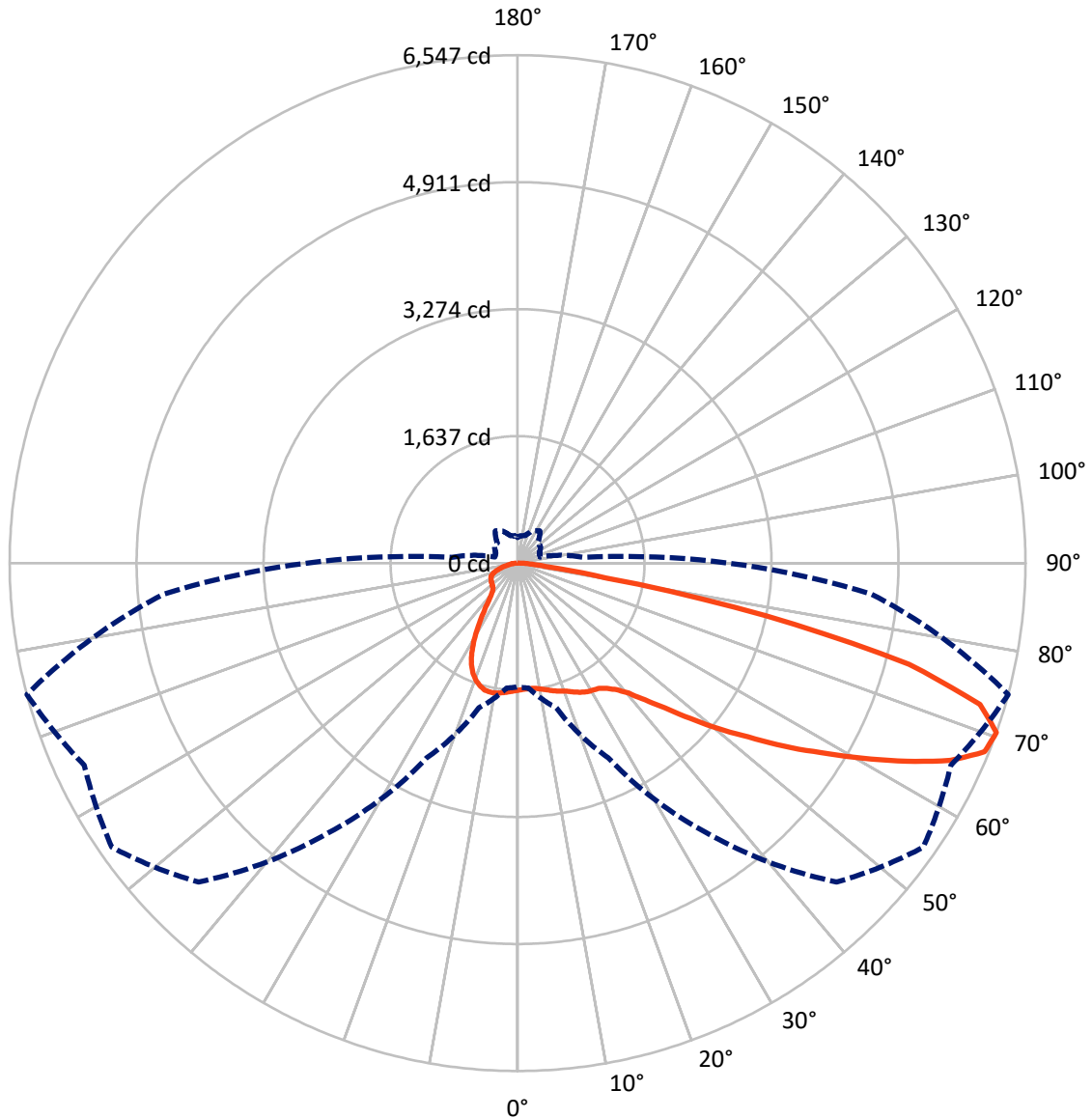
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P672340
CATALOG NUMBER: CCP-SA-2D-850-U-T3R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672340
 CATALOG NUMBER: CCP-SA-2D-850-U-T3R

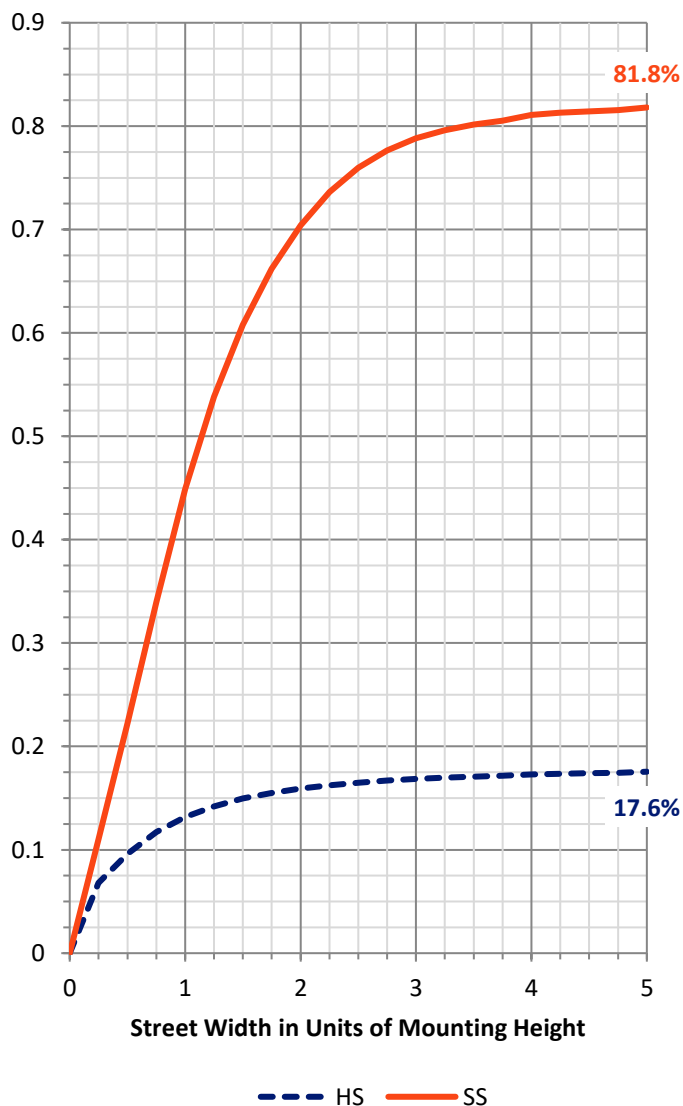
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1759.8	0.0	1759.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	8131.5	0.0	8131.5
	% Fixture	82.2	0.0	82.2
Total	Lumens	9891.3	0.0	9891.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.5
10°-20°	392.8	4.0
20°-30°	661.8	6.7
30°-40°	1005.2	10.2
40°-50°	1440.0	14.6
50°-60°	1909.2	19.3
60°-70°	2389.2	24.2
70°-80°	1744.7	17.6
80°-90°	201.2	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°	9891.3	100.0
0°-180°	9891.3	100.0



REPORT NUMBER: P672340

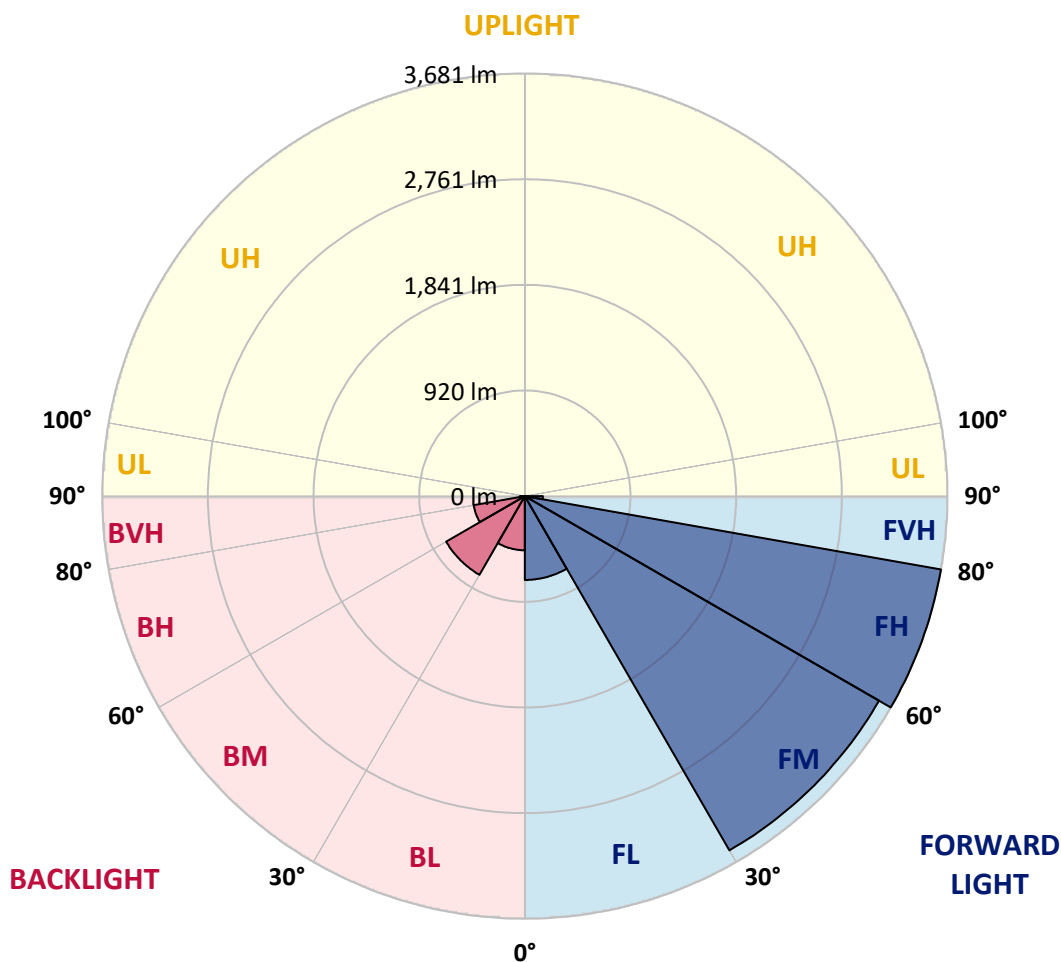
CATALOG NUMBER: CCP-SA-2D-850-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.0	7.4			
FM (30°-60°)	3563.2	36.0			
FH (60°-80°)	3681.3	37.2			G2/5000
FVH (80°-90°)	157.0	1.6			G2/225
BL (0°-30°)	471.7	4.8	B1/500		
BM (30°-60°)	791.2	8.0	B1/1000		
BH (60°-80°)	452.7	4.6	B1/500		G1/500
BVH (80°-90°)	44.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P672340

CATALOG NUMBER: CCP-SA-2D-850-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4
2.5°	1548.8	1557.3	1565.1	1573.0	1579.4	1596.4	1600.0	1618.5	1623.5	1627.8	1633.5
5°	1461.9	1468.3	1476.2	1489.0	1502.5	1533.1	1554.5	1595.0	1617.8	1624.9	1644.8
7.5°	1415.0	1417.1	1427.8	1438.4	1454.1	1484.0	1513.2	1576.5	1622.1	1629.9	1672.6
10°	1380.8	1383.6	1393.6	1408.5	1424.2	1452.0	1488.3	1563.7	1637.7	1649.8	1710.3
12.5°	1368.7	1367.3	1378.7	1388.6	1410.7	1445.6	1483.3	1564.4	1659.1	1676.2	1765.1
15°	1417.1	1407.8	1415.0	1411.4	1418.5	1452.7	1497.5	1580.1	1685.4	1706.8	1822.1
17.5°	1523.9	1516.0	1511.0	1480.4	1460.5	1479.7	1522.4	1602.1	1713.2	1736.0	1873.3
20°	1683.3	1661.2	1642.7	1591.5	1536.0	1529.5	1559.4	1624.2	1739.5	1761.6	1927.4
22.5°	1864.8	1847.0	1817.1	1727.4	1641.3	1598.6	1606.4	1664.8	1777.9	1802.1	1989.3
25°	2094.0	2093.2	2032.0	1911.0	1780.8	1694.7	1678.3	1729.5	1821.4	1844.8	2040.6
27.5°	2355.2	2337.4	2264.8	2108.9	1945.2	1813.5	1775.1	1795.7	1856.2	1880.4	2081.9
30°	2578.7	2580.8	2506.8	2336.7	2120.3	1929.5	1856.9	1843.4	1879.0	1903.2	2120.3
32.5°	2817.8	2805.7	2738.1	2563.0	2309.6	2054.1	1909.6	1877.6	1902.5	1925.3	2173.7
35°	3042.7	3029.2	2970.8	2782.2	2518.2	2191.5	1980.8	1931.0	1958.0	1982.9	2239.2
37.5°	3257.0	3259.1	3192.9	3012.8	2720.3	2353.7	2086.1	2011.4	2040.6	2068.3	2338.8
40°	3444.1	3433.5	3382.2	3219.9	2930.3	2518.9	2205.0	2121.0	2177.9	2203.6	2464.8
42.5°	3503.9	3503.2	3523.1	3423.5	3150.9	2715.3	2353.0	2291.8	2372.3	2410.7	2619.2
45°	3452.0	3467.6	3582.9	3580.1	3371.5	2940.9	2555.2	2499.7	2615.7	2659.1	2807.8
47.5°	3400.7	3424.2	3580.8	3669.8	3569.4	3189.3	2803.6	2762.3	2928.8	2991.5	3003.6
50°	3326.0	3348.1	3534.5	3682.6	3690.4	3440.6	3125.3	3073.3	3287.6	3351.6	3216.4
52.5°	3242.7	3259.8	3452.7	3673.3	3748.1	3637.0	3440.6	3425.6	3671.9	3723.9	3432.8
55°	2782.9	2855.5	3332.4	3653.4	3787.9	3787.2	3747.3	3796.5	4091.1	4168.7	3674.0
57.5°	2518.9	2557.3	2993.6	3642.0	3862.7	3926.0	4064.1	4169.4	4538.8	4608.6	3940.2
60°	2432.8	2466.9	2823.5	3628.5	4011.4	4143.1	4373.7	4544.5	5020.0	5105.4	4237.7
62.5°	2354.5	2395.7	2754.5	3521.0	4191.5	4486.9	4743.1	4950.2	5527.4	5628.5	4533.8
65°	2195.0	2224.2	2627.8	3430.6	4362.3	4977.2	5276.2	5397.2	6019.2	6133.1	4730.3
67.5°	1919.6	1947.3	2342.4	3222.8	4473.3	5487.6	5859.1	5859.8	6399.3	6492.6	4771.6
70°	1595.7	1617.1	1931.0	2770.1	4242.0	5815.0	6385.1	6162.3	6506.8	6547.4	4575.1
72.5°	1140.9	1159.4	1414.2	2047.7	3478.3	5549.5	6504.7	6149.5	6246.3	6233.5	4016.4
75°	703.2	738.8	866.2	1249.8	2161.6	4366.6	5854.1	5572.3	5244.9	5209.3	3024.2
77.5°	458.4	476.9	585.8	737.4	953.7	2506.8	4446.3	4178.0	3311.8	3270.5	1625.6
80°	275.4	306.1	383.6	463.3	432.0	958.7	2538.8	2075.5	1170.1	1157.3	499.6
82.5°	148.0	175.8	270.5	286.8	242.7	338.8	919.6	674.7	374.4	370.1	187.2
85°	117.4	131.0	194.3	181.5	137.4	171.5	358.7	281.1	192.2	187.9	70.5
87.5°	71.2	89.7	147.3	122.4	68.3	61.9	164.4	133.1	90.4	84.0	27.8
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: P672340

CATALOG NUMBER: CCP-SA-2D-850-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4	1638.4
2.5°	1644.1	1647.7	1651.3	1644.1	1647.0	1643.4	1643.4	1643.4	1634.2	1631.3	1639.9
5°	1659.8	1664.8	1667.6	1645.6	1632.0	1612.1	1595.7	1570.8	1556.6	1547.3	1547.3
7.5°	1691.8	1697.5	1684.7	1635.6	1587.9	1534.5	1479.7	1434.2	1401.4	1387.2	1391.5
10°	1738.8	1740.9	1698.2	1607.8	1506.1	1407.1	1329.5	1269.0	1228.5	1207.8	1205.0
12.5°	1793.6	1784.4	1701.1	1546.6	1395.7	1262.6	1168.0	1089.7	1037.7	1017.8	1007.8
15°	1847.7	1825.6	1690.4	1473.3	1270.5	1110.3	989.3	915.3	883.3	874.0	870.5
17.5°	1896.1	1854.8	1654.8	1368.0	1125.3	932.4	843.4	817.1	820.6	829.2	832.7
20°	1940.2	1876.9	1603.6	1242.7	943.8	793.6	771.5	795.7	815.7	828.5	830.6
22.5°	1988.6	1898.2	1532.4	1090.4	795.0	729.5	755.9	783.6	803.6	816.4	818.5
25°	2025.6	1897.5	1432.0	909.6	701.1	712.5	743.8	768.7	783.6	792.9	792.2
27.5°	2049.1	1880.4	1300.4	760.9	664.1	700.4	730.3	746.6	755.2	762.3	761.6
30°	2056.2	1847.7	1134.5	651.2	647.0	689.0	711.7	721.7	728.1	735.2	735.2
32.5°	2070.5	1797.2	951.6	590.0	634.2	677.6	691.1	698.9	694.0	676.2	672.6
35°	2086.1	1740.9	778.7	561.6	622.1	669.8	682.6	661.9	607.8	600.7	597.9
37.5°	2116.7	1689.0	632.0	541.6	619.2	674.0	684.7	602.1	556.6	534.5	531.0
40°	2168.7	1637.0	533.8	527.4	622.8	692.5	656.2	573.7	498.2	456.2	449.1
42.5°	2237.0	1573.7	478.3	520.3	632.7	722.4	646.3	533.1	450.5	422.1	417.8
45°	2316.0	1489.7	452.0	518.9	644.8	737.4	649.1	500.4	429.2	407.1	405.7
47.5°	2397.9	1407.1	440.6	517.4	659.8	731.0	610.0	490.4	420.6	414.2	418.5
50°	2486.1	1313.2	431.3	513.9	671.9	731.0	588.6	488.3	423.5	437.7	452.0
52.5°	2568.7	1234.2	420.6	503.2	676.9	718.2	582.2	496.1	427.8	424.2	428.5
55°	2669.1	1193.6	414.9	488.3	667.6	679.0	574.4	517.4	431.3	402.1	402.1
57.5°	2783.6	1185.1	406.4	468.3	637.7	624.9	573.7	530.3	422.1	395.0	390.0
60°	2921.7	1203.6	395.7	443.4	601.4	582.9	568.7	530.3	407.1	382.9	385.1
62.5°	3033.5	1201.4	389.3	421.4	553.0	539.5	559.4	523.1	401.4	381.5	380.8
65°	3059.8	1155.9	370.8	392.9	493.2	486.8	549.5	505.3	393.6	373.7	368.0
67.5°	2970.8	1052.7	343.1	355.2	429.9	430.6	531.7	481.9	382.9	369.4	360.1
70°	2718.2	851.2	301.8	309.6	361.6	370.8	505.3	454.1	365.1	350.9	328.8
72.5°	2274.7	612.1	254.1	256.2	287.5	311.7	459.8	416.4	338.8	305.3	281.9
75°	1684.0	406.4	207.1	204.3	215.7	253.4	392.9	374.4	304.6	253.4	241.3
77.5°	890.4	240.6	159.4	160.1	153.0	194.3	311.7	325.3	270.5	213.5	201.4
80°	304.6	144.5	114.6	119.6	108.2	138.8	231.3	270.5	231.3	177.9	157.3
82.5°	139.5	88.3	81.9	85.4	77.6	94.0	158.7	205.0	184.3	129.5	104.6
85°	70.5	52.7	52.7	57.7	51.2	48.4	87.5	135.9	135.2	89.0	76.9
87.5°	29.2	25.6	24.2	27.8	24.2	18.5	24.9	49.1	71.2	53.4	34.2
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)