

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: P674679

Luminaire Tested: **CCP-SA-2E-727-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674679
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

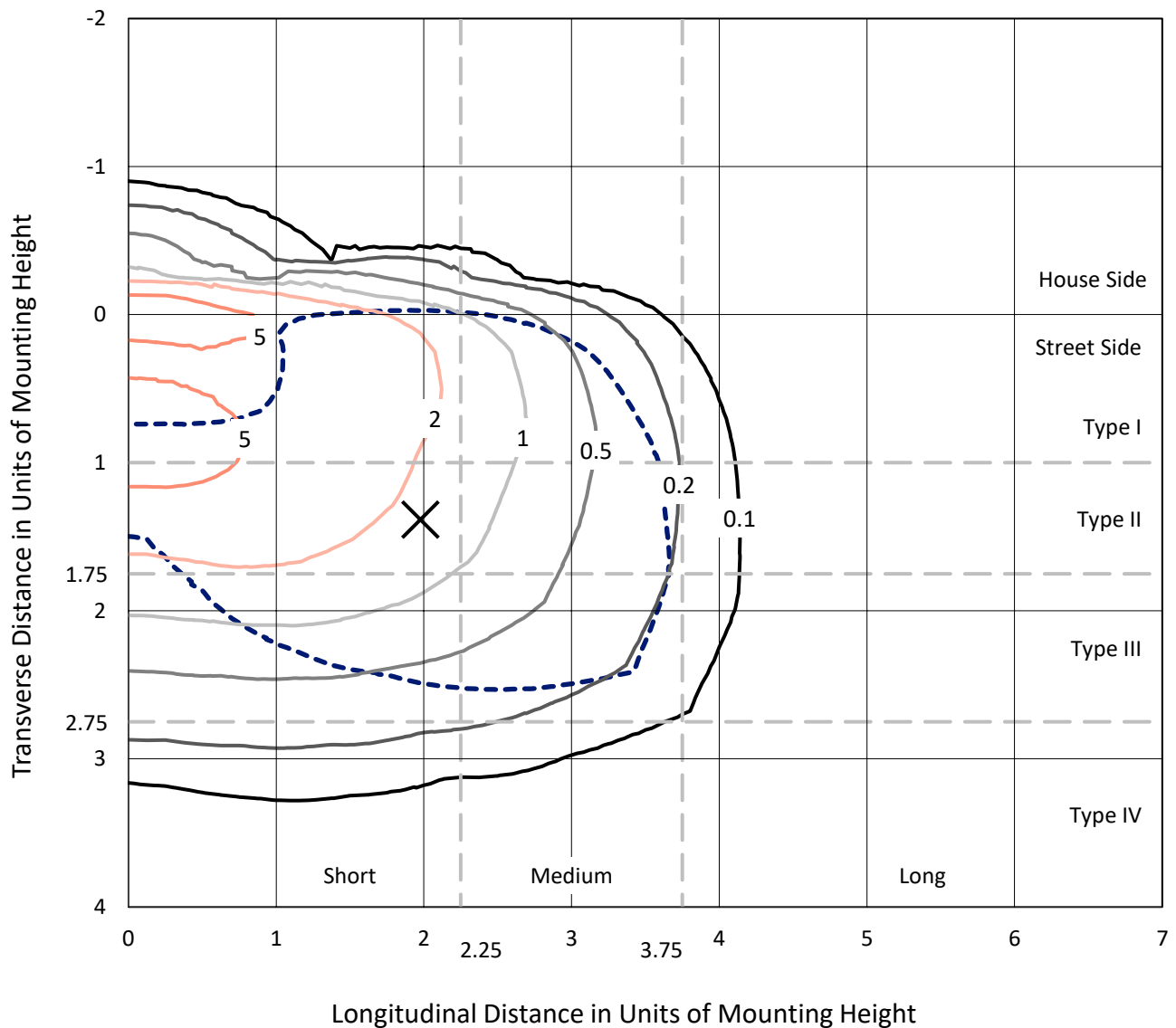
Lumens per Lamp: N/A
Luminaire Lumens: 9068.8 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

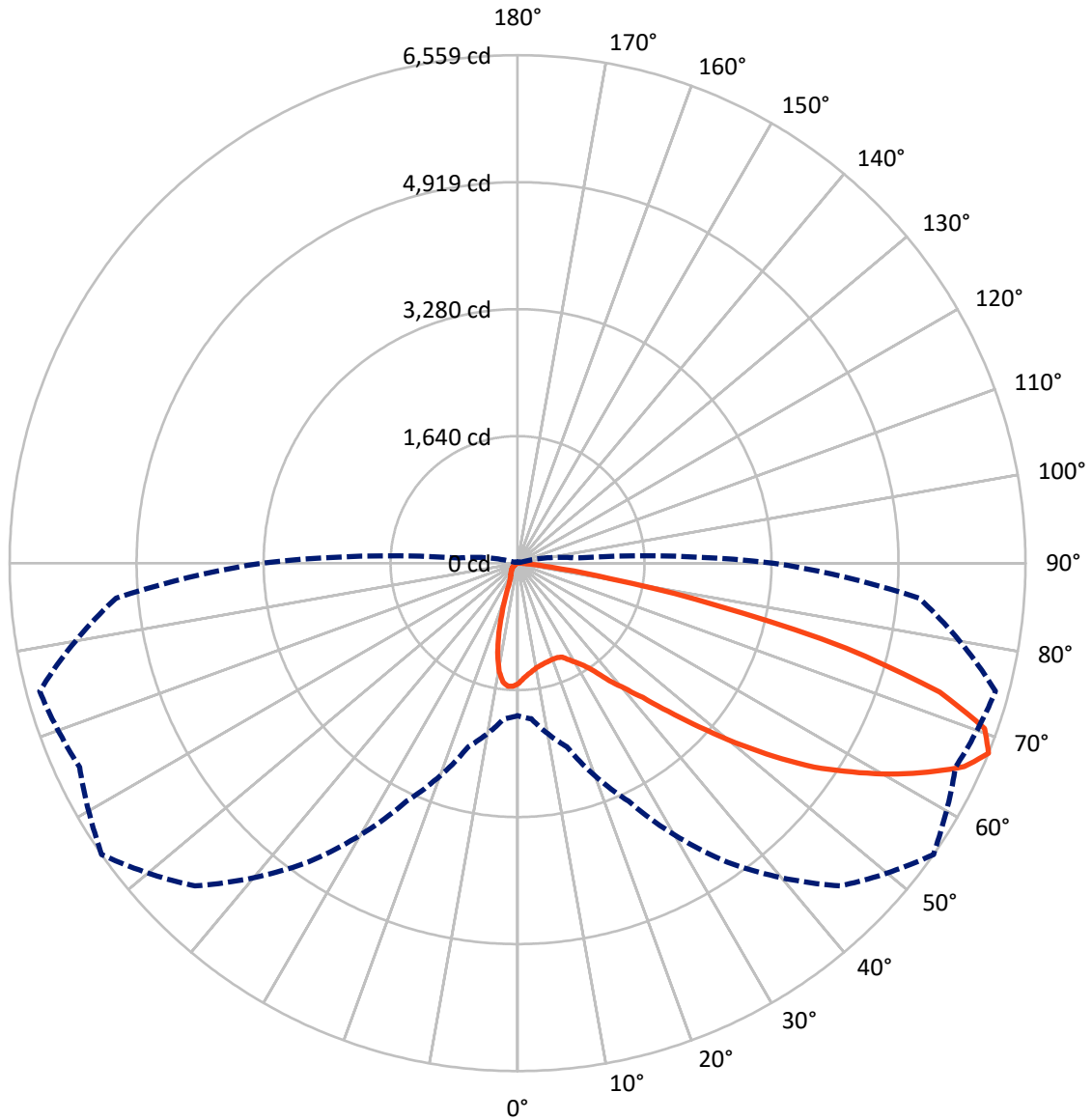
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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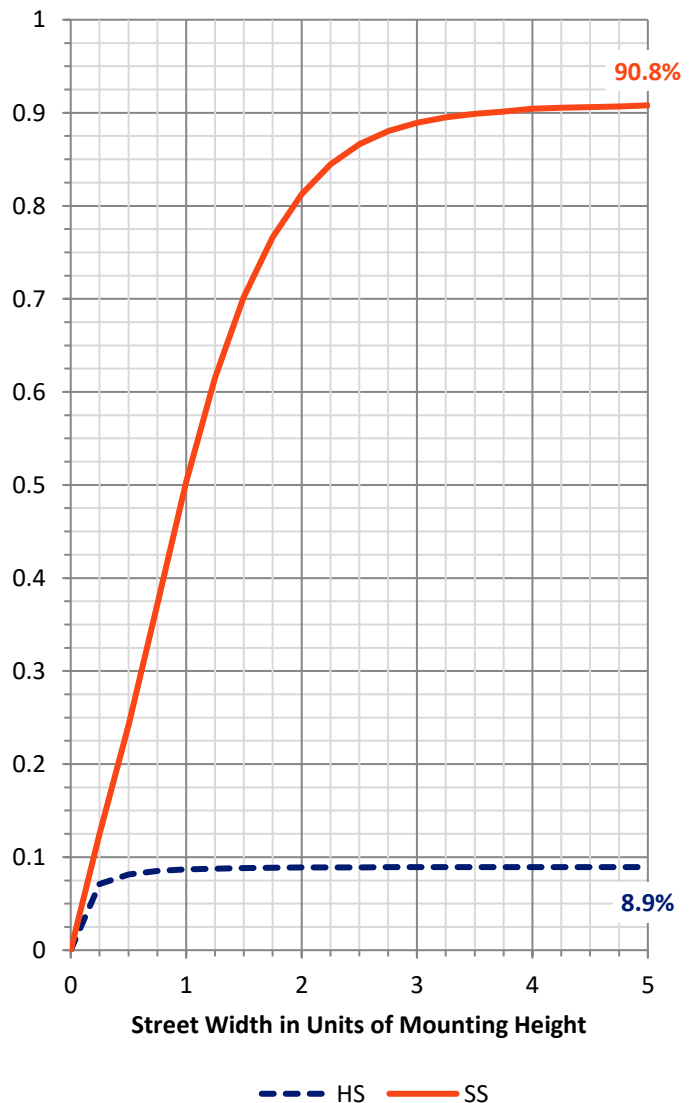
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	814.7	0.0	814.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	8254.1	0.0	8254.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	9068.8	0.0	9068.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.5
10°-20°	310.6	3.4
20°-30°	498.2	5.5
30°-40°	864.2	9.5
40°-50°	1440.9	15.9
50°-60°	2107.1	23.2
60°-70°	2456.8	27.1
70°-80°	1192.3	13.1
80°-90°	62.3	0.7
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°	9068.8	100.0
0°-180°	9068.8	100.0



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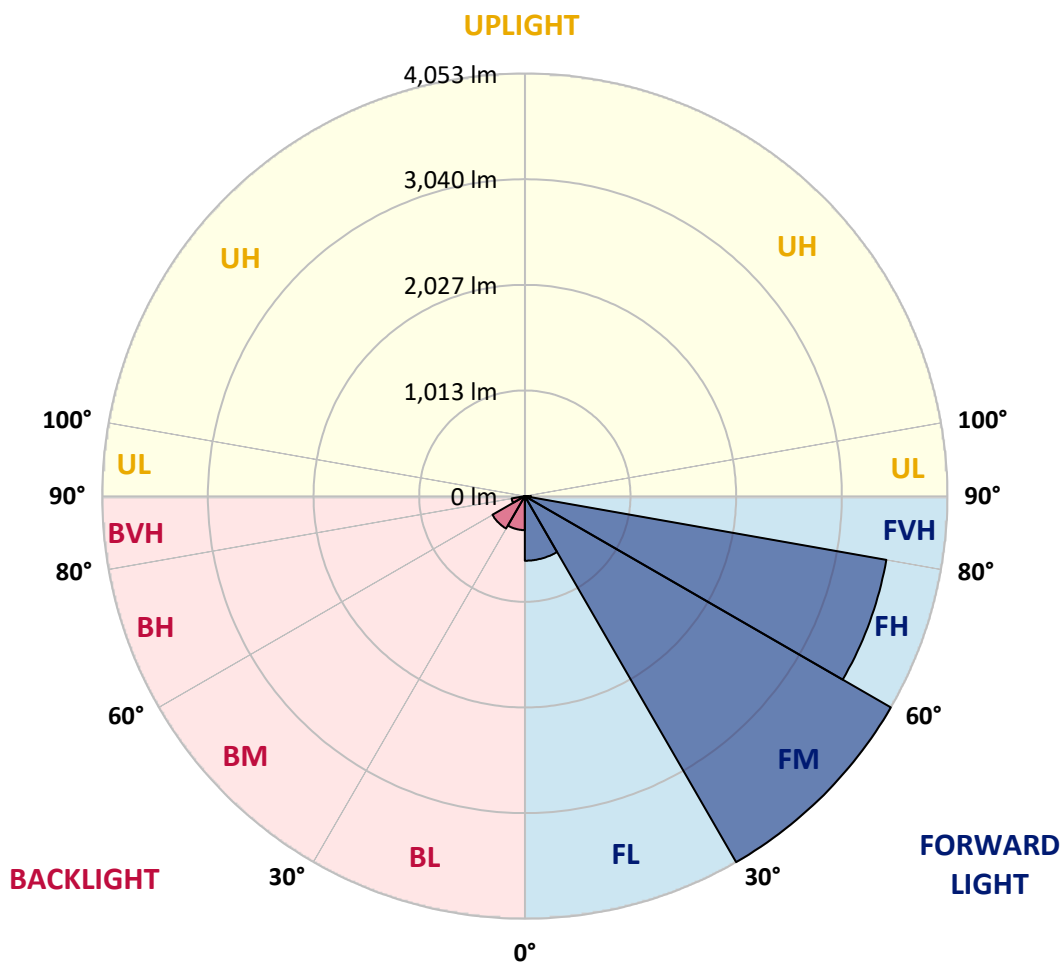
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.5	6.8			
FM (30°-60°)	4053.5	44.7			
FH (60°-80°)	3520.6	38.8			G2/5000
FVH (80°-90°)	60.5	0.7			G1/100
BL (0°-30°)	325.7	3.6	B1/500		
BM (30°-60°)	358.7	4.0	B1/1000		
BH (60°-80°)	128.5	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1
2.5°	1434.7	1443.8	1455.5	1459.7	1473.9	1494.0	1488.1	1484.0	1506.5	1537.4	1547.5
5°	1345.2	1346.1	1364.5	1377.8	1402.1	1421.3	1442.2	1440.5	1481.4	1534.1	1567.5
7.5°	1257.5	1259.2	1278.4	1299.3	1334.4	1372.0	1403.7	1402.1	1468.1	1538.3	1601.8
10°	1142.2	1150.6	1174.0	1210.7	1265.9	1325.2	1369.5	1373.7	1453.0	1554.1	1648.6
12.5°	1049.5	1053.6	1079.5	1127.2	1192.3	1270.0	1352.8	1350.3	1456.4	1583.4	1709.6
15°	1010.2	1007.7	1023.6	1058.7	1133.0	1230.8	1336.1	1341.9	1468.1	1616.8	1773.1
17.5°	1019.4	1016.9	1025.2	1037.8	1090.4	1198.2	1326.9	1336.9	1486.5	1651.9	1832.4
20°	1121.3	1103.8	1088.7	1075.4	1082.9	1171.5	1321.0	1331.9	1497.3	1678.6	1895.0
22.5°	1317.7	1296.0	1255.8	1181.5	1132.2	1173.1	1322.7	1336.9	1521.6	1722.1	1971.1
25°	1637.7	1616.8	1530.7	1378.7	1248.3	1233.3	1345.2	1360.3	1577.5	1788.1	2052.1
27.5°	2061.3	2014.5	1910.1	1692.0	1440.5	1329.4	1412.9	1429.6	1656.9	1839.1	2107.3
30°	2413.1	2402.2	2302.0	2034.6	1705.4	1470.6	1489.0	1498.2	1692.8	1870.0	2162.4
32.5°	2778.2	2755.7	2663.8	2403.9	2012.9	1672.0	1574.2	1578.4	1739.6	1915.9	2242.6
35°	3095.7	3074.9	2998.0	2745.6	2372.1	1942.7	1715.4	1706.2	1836.6	2017.0	2351.3
37.5°	3389.9	3387.4	3319.7	3062.3	2694.7	2223.4	1923.5	1915.9	1987.8	2128.2	2498.3
40°	3677.3	3670.6	3613.0	3378.2	3012.2	2503.3	2121.5	2102.3	2116.5	2283.6	2692.2
42.5°	3853.6	3867.8	3887.9	3739.1	3389.0	2831.7	2372.1	2360.5	2357.9	2526.7	2947.0
45°	3948.8	3973.9	4091.7	4078.4	3788.4	3240.3	2728.9	2698.9	2688.8	2861.0	3238.6
47.5°	4041.6	4052.5	4245.5	4326.5	4171.1	3666.4	3160.1	3118.3	3077.4	3268.7	3587.1
50°	4047.4	4065.0	4304.0	4501.2	4492.0	4085.9	3643.9	3607.1	3560.3	3765.0	3927.1
52.5°	3965.6	4000.7	4296.4	4611.4	4690.8	4456.0	4146.0	4116.0	4077.5	4230.4	4213.7
55°	3399.9	3459.2	4149.4	4621.5	4830.4	4773.5	4650.7	4608.9	4571.3	4680.0	4494.5
57.5°	3130.8	3164.3	3703.2	4614.0	5008.3	5067.7	5088.5	5069.3	5016.7	5152.1	4787.7
60°	2969.6	3018.0	3490.1	4530.4	5200.5	5400.2	5531.4	5493.0	5428.6	5614.9	5101.9
62.5°	2776.6	2811.7	3277.9	4289.8	5315.0	5738.6	5946.7	5911.6	5778.7	6041.9	5355.9
65°	2420.6	2473.3	2940.3	3911.2	5161.2	5986.8	6337.7	6326.0	6095.4	6364.4	5425.3
67.5°	1970.2	2017.9	2453.2	3392.4	4711.7	5894.0	6559.1	6522.4	6239.1	6388.7	5205.5
70°	1478.9	1504.8	1833.2	2591.9	3860.3	5398.5	6398.7	6391.2	6021.0	6029.4	4531.2
72.5°	793.8	865.6	1219.1	1734.6	2714.7	4372.5	5702.7	5672.6	5371.8	4938.1	3258.7
75°	277.4	298.3	649.2	974.3	1474.8	2912.8	4385.0	4314.8	4017.4	3211.9	1775.6
77.5°	170.5	187.2	288.3	498.0	574.0	1264.2	2634.5	2543.4	2351.3	1388.7	606.6
80°	117.8	132.9	193.0	260.7	195.5	409.4	1212.4	1178.1	906.6	330.9	139.5
82.5°	66.0	79.4	146.2	127.8	78.5	106.1	420.3	389.4	241.5	89.4	46.8
85°	38.4	46.0	102.8	90.2	40.1	37.6	109.5	97.8	62.7	33.4	22.6
87.5°	20.1	25.9	75.2	60.2	24.2	13.4	25.1	24.2	15.9	11.7	15.0
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°	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1	1554.1
2.5°	1565.8	1561.7	1583.4	1590.9	1589.2	1585.9	1594.2	1583.4	1582.5	1580.0	1577.5
5°	1594.2	1600.9	1618.5	1618.5	1595.1	1556.6	1533.2	1501.5	1474.8	1458.9	1456.4
7.5°	1636.9	1650.2	1661.9	1626.0	1545.8	1450.5	1349.4	1270.0	1200.7	1164.8	1161.4
10°	1697.0	1709.6	1700.4	1597.6	1425.5	1228.3	1063.7	898.2	815.5	770.4	770.4
12.5°	1768.9	1778.9	1722.9	1526.6	1227.4	941.7	721.9	548.1	465.4	411.9	408.6
15°	1846.6	1849.1	1719.6	1402.9	982.6	632.5	414.4	304.1	269.0	261.5	259.9
17.5°	1914.3	1904.2	1684.5	1219.9	707.7	376.8	263.2	238.1	231.4	231.4	231.4
20°	1977.8	1944.3	1614.3	1006.8	453.7	256.5	226.4	219.8	219.8	220.6	220.6
22.5°	2048.0	1981.9	1514.0	770.4	291.6	219.8	212.2	208.9	208.1	210.6	209.7
25°	2130.7	2018.7	1370.3	532.3	225.6	204.7	201.4	198.0	198.0	198.0	198.0
27.5°	2176.6	2013.7	1206.5	335.9	197.2	189.7	186.3	183.0	180.5	179.6	180.5
30°	2216.7	1984.5	992.6	234.8	178.0	169.6	167.1	162.9	157.9	156.2	156.2
32.5°	2269.4	1960.2	768.7	188.8	161.3	152.1	144.6	137.9	129.5	126.2	125.3
35°	2327.9	1915.9	563.2	166.3	146.2	134.5	122.8	112.0	101.1	97.8	96.9
37.5°	2400.6	1875.8	381.8	153.7	133.7	119.5	103.6	88.6	78.5	76.9	76.9
40°	2499.2	1842.4	264.0	142.9	122.0	105.3	86.1	70.2	63.5	61.8	61.8
42.5°	2633.7	1814.8	199.7	133.7	112.0	91.1	69.4	57.7	52.6	51.0	51.0
45°	2792.4	1772.2	168.8	125.3	101.9	76.9	57.7	48.5	46.0	46.0	46.0
47.5°	2974.6	1718.7	153.7	117.0	91.1	62.7	48.5	44.3	43.4	43.4	44.3
50°	3158.4	1655.2	142.9	107.0	78.5	53.5	44.3	41.8	41.8	42.6	42.6
52.5°	3282.9	1555.8	132.0	96.1	66.0	46.8	41.8	40.9	40.1	40.1	40.1
55°	3404.1	1468.9	117.0	84.4	55.1	43.4	40.1	39.3	39.3	38.4	38.4
57.5°	3530.2	1400.4	97.8	70.2	46.8	40.9	38.4	38.4	36.8	35.9	35.9
60°	3676.5	1340.2	75.2	55.1	40.9	38.4	35.9	35.1	33.4	31.8	31.8
62.5°	3719.1	1213.2	56.8	44.3	35.1	33.4	32.6	30.9	26.7	23.4	24.2
65°	3607.9	1013.5	45.1	35.1	28.4	28.4	25.9	21.7	17.5	15.0	15.0
67.5°	3301.3	757.0	36.8	27.6	22.6	21.7	18.4	15.9	10.9	9.2	9.2
70°	2720.6	500.5	30.1	21.7	18.4	15.0	12.5	11.7	8.4	6.7	6.7
72.5°	1906.7	271.6	25.1	17.5	13.4	10.0	8.4	7.5	5.8	5.0	4.2
75°	1006.8	104.4	20.1	13.4	8.4	6.7	5.0	5.0	4.2	3.3	3.3
77.5°	345.1	44.3	14.2	7.5	5.8	4.2	3.3	2.5	3.3	2.5	2.5
80°	81.9	25.9	9.2	5.0	3.3	2.5	2.5	1.7	1.7	1.7	1.7
82.5°	35.9	15.0	5.8	3.3	3.3	2.5	1.7	0.8	0.8	0.8	0.8
85°	24.2	9.2	4.2	3.3	2.5	1.7	0.8	0.8	0.0	0.0	0.0
87.5°	19.2	5.8	3.3	3.3	2.5	1.7	0.8	0.0	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)