

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: P674375

Luminaire Tested: **CCP-SA-1F-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674375
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

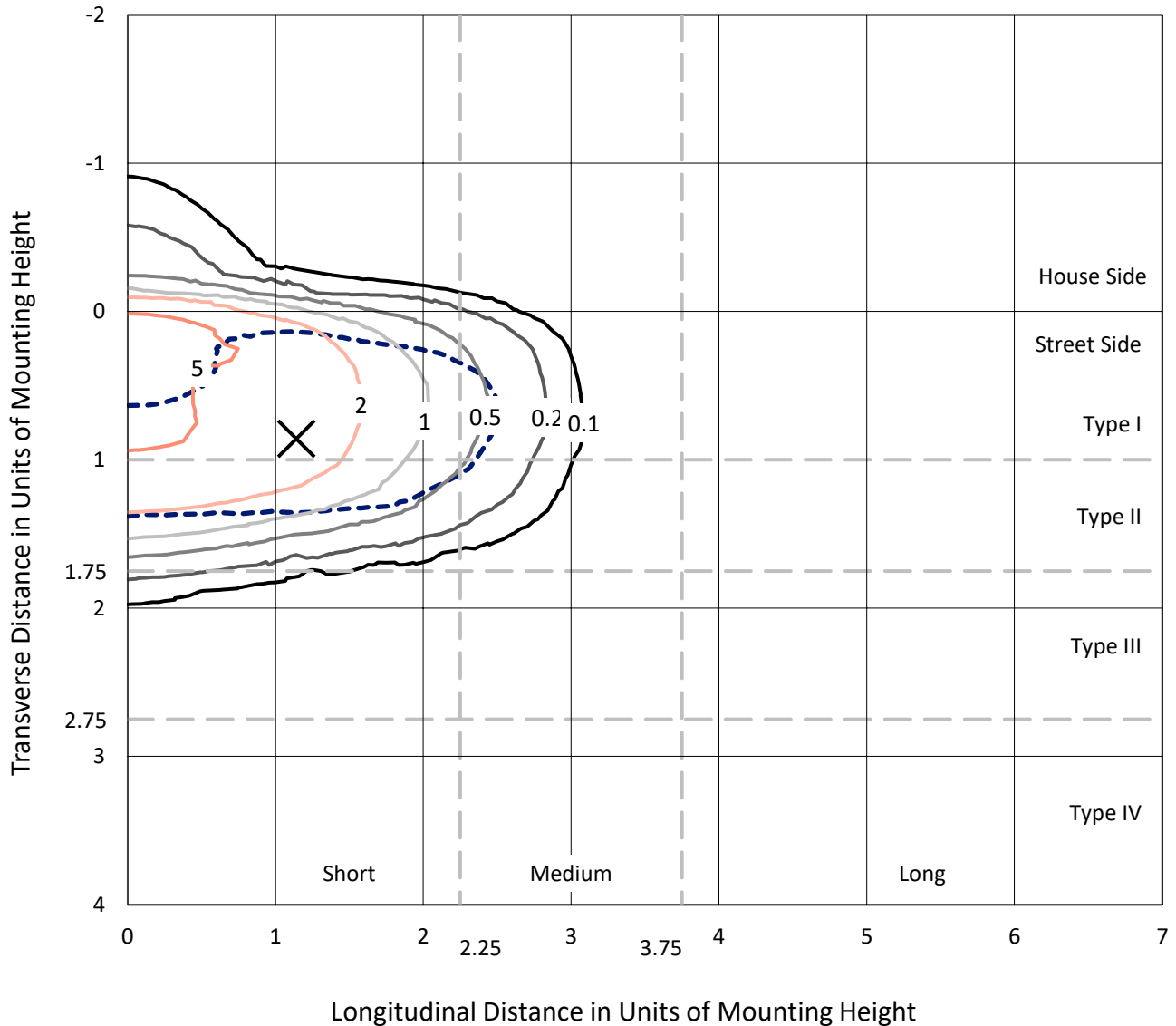
Lumens per Lamp: N/A
Luminaire Lumens: 4579.8 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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: P674375
 CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

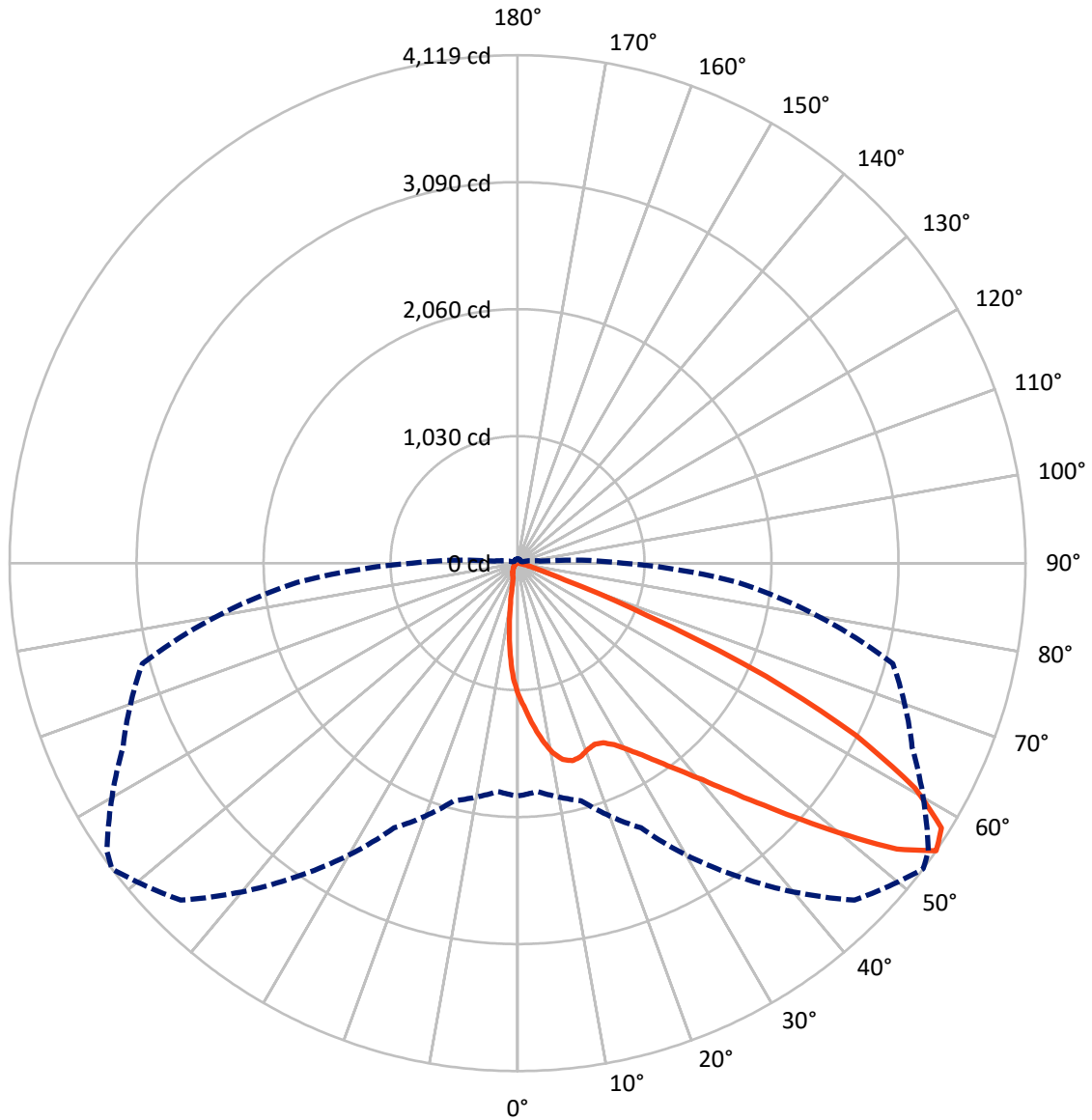
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

REPORT NUMBER: P674375
CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P674375
 CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

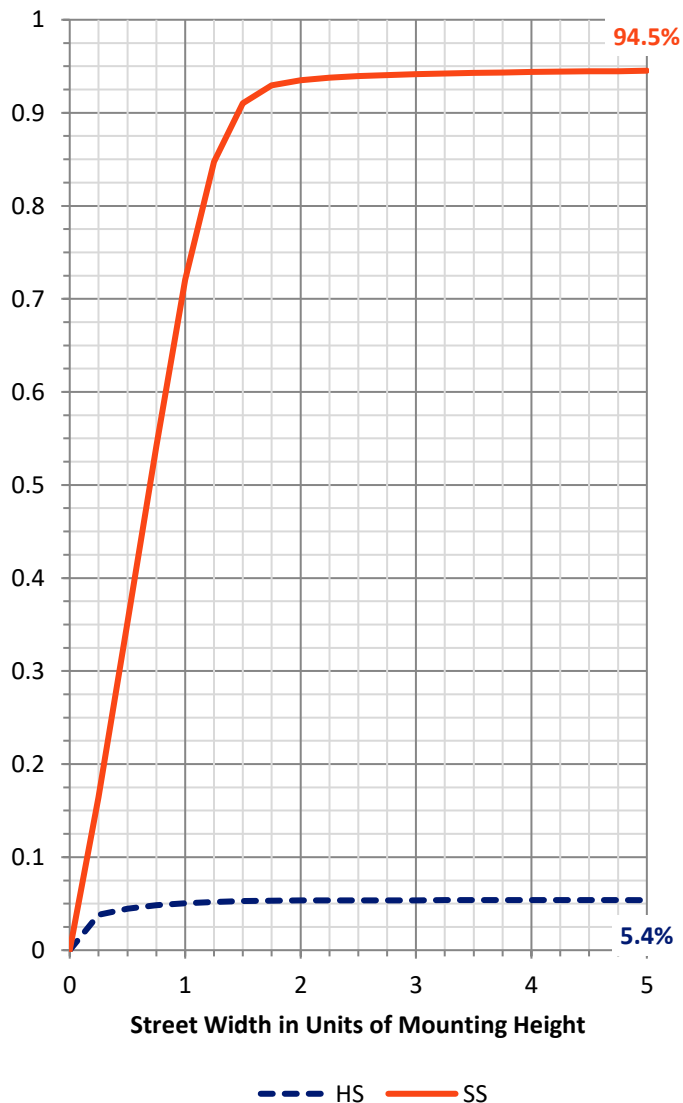
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	247.6	0.0	247.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4332.3	0.0	4332.3
	% Fixture	94.6	0.0	94.6
Total	Lumens	4579.8	0.0	4579.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	2.1
10°-20°	250.4	5.5
20°-30°	419.1	9.2
30°-40°	685.6	15.0
40°-50°	1102.1	24.1
50°-60°	1244.3	27.2
60°-70°	663.7	14.5
70°-80°	109.1	2.4
80°-90°	9.8	0.2
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°	4579.8	100.0
0°-180°	4579.8	100.0



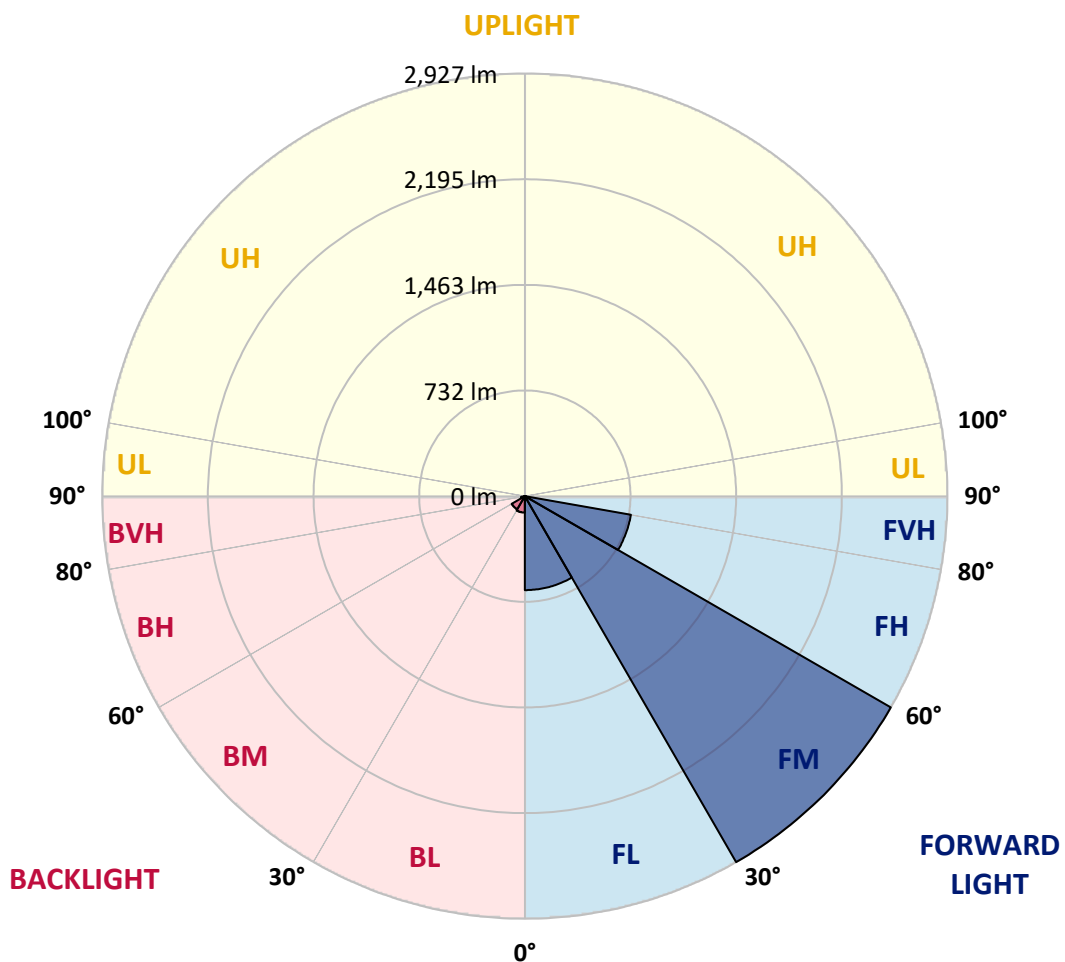
REPORT NUMBER: P674375
 CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.0	14.2			
FM (30°-60°)	2926.5	63.9			
FH (60°-80°)	745.7	16.3			G1/1800
FVH (80°-90°)	9.0	0.2			G0/10
BL (0°-30°)	114.2	2.5	B1/500		
BM (30°-60°)	105.5	2.3	B0/220		
BH (60°-80°)	27.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1

Type II Short





REPORT NUMBER: P674375

CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8
2.5°	1285.3	1277.6	1282.0	1270.4	1249.1	1222.7	1182.9	1184.9	1153.6	1126.4	1088.6
5°	1497.5	1489.5	1487.1	1457.4	1427.7	1380.0	1321.0	1311.3	1254.0	1184.5	1105.5
7.5°	1609.5	1602.7	1607.9	1597.0	1567.7	1524.4	1449.8	1442.6	1353.9	1248.7	1132.4
10°	1558.1	1555.7	1577.8	1603.5	1627.1	1621.9	1562.1	1550.9	1451.4	1319.4	1160.1
12.5°	1420.1	1427.7	1455.8	1503.1	1576.2	1644.8	1635.2	1637.2	1550.9	1396.0	1190.6
15°	1339.0	1348.3	1364.3	1388.8	1478.7	1600.7	1662.8	1682.9	1646.4	1481.5	1226.7
17.5°	1332.2	1339.8	1342.2	1351.5	1404.0	1529.6	1651.6	1689.7	1731.5	1562.1	1267.2
20°	1384.8	1388.0	1386.0	1379.2	1398.0	1491.1	1616.3	1670.9	1801.7	1648.0	1302.9
22.5°	1483.9	1479.1	1473.1	1447.8	1446.6	1501.9	1597.0	1654.0	1843.4	1719.0	1326.6
25°	1606.7	1596.6	1588.2	1552.5	1535.6	1558.5	1614.3	1660.0	1881.1	1788.0	1343.4
27.5°	1740.7	1743.9	1723.0	1674.9	1648.4	1643.6	1667.7	1701.8	1917.7	1849.8	1352.7
30°	1883.9	1885.6	1858.3	1808.5	1784.4	1753.5	1751.9	1772.4	1957.0	1920.9	1361.5
32.5°	2047.3	2051.7	2007.1	1955.4	1913.2	1873.1	1853.5	1870.7	2027.6	2013.6	1379.6
35°	2283.2	2263.9	2203.8	2125.5	2065.7	2013.2	1983.1	1994.3	2121.5	2124.7	1415.7
37.5°	2526.4	2524.4	2457.8	2345.0	2247.1	2181.7	2130.3	2148.8	2253.5	2273.6	1473.5
40°	2753.1	2758.3	2700.5	2602.2	2476.2	2363.9	2308.9	2321.3	2428.9	2454.1	1543.7
42.5°	2901.2	2898.3	2902.8	2874.7	2748.3	2615.9	2533.2	2540.0	2632.7	2646.0	1631.6
45°	2969.4	2958.5	2996.3	3085.3	3035.2	2895.9	2801.6	2793.2	2844.2	2840.6	1711.4
47.5°	2910.4	2890.3	2977.0	3191.7	3288.8	3246.6	3111.8	3096.6	3053.2	3024.3	1794.5
50°	2617.1	2608.2	2793.6	3141.1	3448.1	3570.9	3471.8	3415.2	3239.8	3160.0	1838.2
52.5°	2338.2	2313.7	2438.9	2883.1	3377.1	3831.7	3852.2	3751.4	3394.7	3198.9	1823.4
55°	1888.8	1858.7	1995.1	2368.7	3095.8	3865.0	4119.4	4066.8	3530.3	3150.7	1793.3
57.5°	1147.2	1117.5	1318.2	1696.6	2475.8	3588.1	4053.6	4107.0	3634.7	3097.8	1773.6
60°	482.3	463.5	542.1	809.8	1581.0	2948.9	3704.5	3837.7	3654.3	3025.2	1781.6
62.5°	250.8	242.4	246.8	324.2	639.2	1941.7	3083.3	3315.3	3456.1	2993.0	1789.6
65°	188.2	181.8	167.7	178.2	248.4	839.5	2215.8	2526.4	3026.4	2911.6	1735.5
67.5°	154.5	148.5	138.4	135.2	146.5	291.3	1131.2	1534.8	2371.5	2564.5	1541.3
70°	123.2	121.2	118.0	112.0	109.9	141.2	405.7	625.6	1568.2	1808.5	1117.1
72.5°	102.7	103.1	99.5	94.3	87.1	91.1	161.7	213.9	758.8	867.1	467.9
75°	85.9	85.9	87.1	79.9	72.6	62.6	89.9	104.3	243.6	200.2	99.9
77.5°	67.4	68.2	73.4	67.4	58.2	39.3	49.0	55.8	72.2	57.8	36.5
80°	53.8	53.0	51.0	60.6	52.2	27.7	23.3	25.7	33.7	27.7	18.1
82.5°	37.7	37.3	35.7	40.9	40.5	20.5	15.2	15.6	20.5	17.7	11.2
85°	9.2	10.8	22.9	19.3	16.9	12.0	9.2	10.0	13.2	11.6	6.0
87.5°	4.0	4.0	10.4	12.4	8.0	5.2	4.0	4.4	6.8	6.8	3.6
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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 CATALOG NUMBER: CCP-SA-1F-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8	1071.8
2.5°	1075.4	1049.3	1016.4	981.5	945.8	902.9	875.6	853.1	835.4	821.8	817.0
5°	1079.4	1029.2	954.6	861.9	767.6	679.3	611.1	560.6	518.8	496.0	485.9
7.5°	1079.0	1012.4	877.6	722.3	569.0	441.8	351.5	295.7	258.4	243.2	233.9
10°	1078.6	990.3	789.7	567.4	380.4	256.0	188.6	157.3	143.7	138.4	137.6
12.5°	1090.2	965.0	691.4	417.7	238.8	159.3	131.2	124.0	120.8	119.2	118.8
15°	1096.7	941.8	587.9	294.9	160.9	126.0	117.2	114.0	112.8	112.0	111.6
17.5°	1103.5	905.7	489.5	213.5	128.8	114.4	109.1	107.1	106.3	106.3	106.3
20°	1104.7	866.7	392.0	157.3	114.4	106.7	101.5	99.5	98.3	97.5	97.5
22.5°	1095.9	820.6	308.2	127.6	105.9	99.5	93.9	90.7	88.7	88.3	88.3
25°	1073.8	755.2	236.3	112.0	99.1	92.3	85.5	81.9	80.3	80.3	80.3
27.5°	1042.1	678.1	182.6	99.5	90.3	83.5	77.4	74.2	73.8	73.4	73.8
30°	1006.0	603.9	139.6	88.3	79.9	74.2	69.4	67.8	68.6	68.6	69.0
32.5°	969.9	529.7	109.1	79.5	70.6	65.8	63.4	63.4	64.6	64.6	64.6
35°	939.0	457.0	91.5	72.2	64.2	60.2	59.0	60.2	61.0	61.4	61.4
37.5°	921.7	394.4	80.7	65.8	59.0	55.8	55.4	56.6	58.2	59.4	59.8
40°	915.3	346.3	74.2	61.0	54.2	52.2	51.8	53.4	56.2	58.2	58.6
42.5°	915.7	303.8	68.6	56.2	51.0	48.2	48.2	50.6	53.4	55.4	55.4
45°	918.5	267.2	63.0	51.4	48.2	43.3	43.7	46.9	49.0	51.0	51.0
47.5°	920.9	238.0	57.0	46.1	41.7	39.3	40.1	42.5	45.3	48.6	48.6
50°	906.9	217.1	51.0	40.5	36.5	35.7	37.3	39.3	43.3	46.5	46.9
52.5°	873.2	198.2	45.7	36.1	32.9	33.3	35.3	36.5	39.7	40.1	40.5
55°	858.3	188.6	41.7	32.9	30.1	31.3	32.5	32.9	32.1	30.1	30.1
57.5°	855.1	182.2	37.7	29.7	27.7	29.3	28.9	26.5	24.1	21.7	21.3
60°	858.3	173.3	34.5	25.7	25.3	25.7	24.5	20.1	16.9	15.2	14.4
62.5°	839.9	160.5	31.7	22.1	22.1	21.7	18.5	13.6	10.8	9.6	9.2
65°	778.9	135.2	28.9	18.5	18.1	17.3	12.4	9.2	7.2	6.0	5.6
67.5°	658.9	104.7	26.1	15.2	14.4	12.0	8.0	6.0	4.0	3.6	3.2
70°	449.4	65.0	22.1	12.0	10.8	7.6	4.8	3.6	2.4	2.0	1.6
72.5°	162.9	37.7	18.5	9.2	7.2	4.8	2.8	1.6	1.2	1.2	0.8
75°	38.5	26.5	14.0	6.8	4.8	2.8	1.6	1.2	0.8	0.8	0.4
77.5°	17.7	20.5	9.2	4.0	3.2	2.0	1.2	0.8	0.4	0.4	0.0
80°	10.0	14.4	4.4	2.8	2.4	1.6	0.8	0.4	0.4	0.0	0.0
82.5°	5.2	8.0	3.2	2.4	2.0	1.2	0.8	0.0	0.0	0.0	0.0
85°	3.6	4.0	2.4	2.0	1.6	1.2	0.8	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.4	2.0	1.6	1.2	0.4	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)