

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: P674377

Luminaire Tested: **CCP-SA-2B-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674377
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4218.5 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

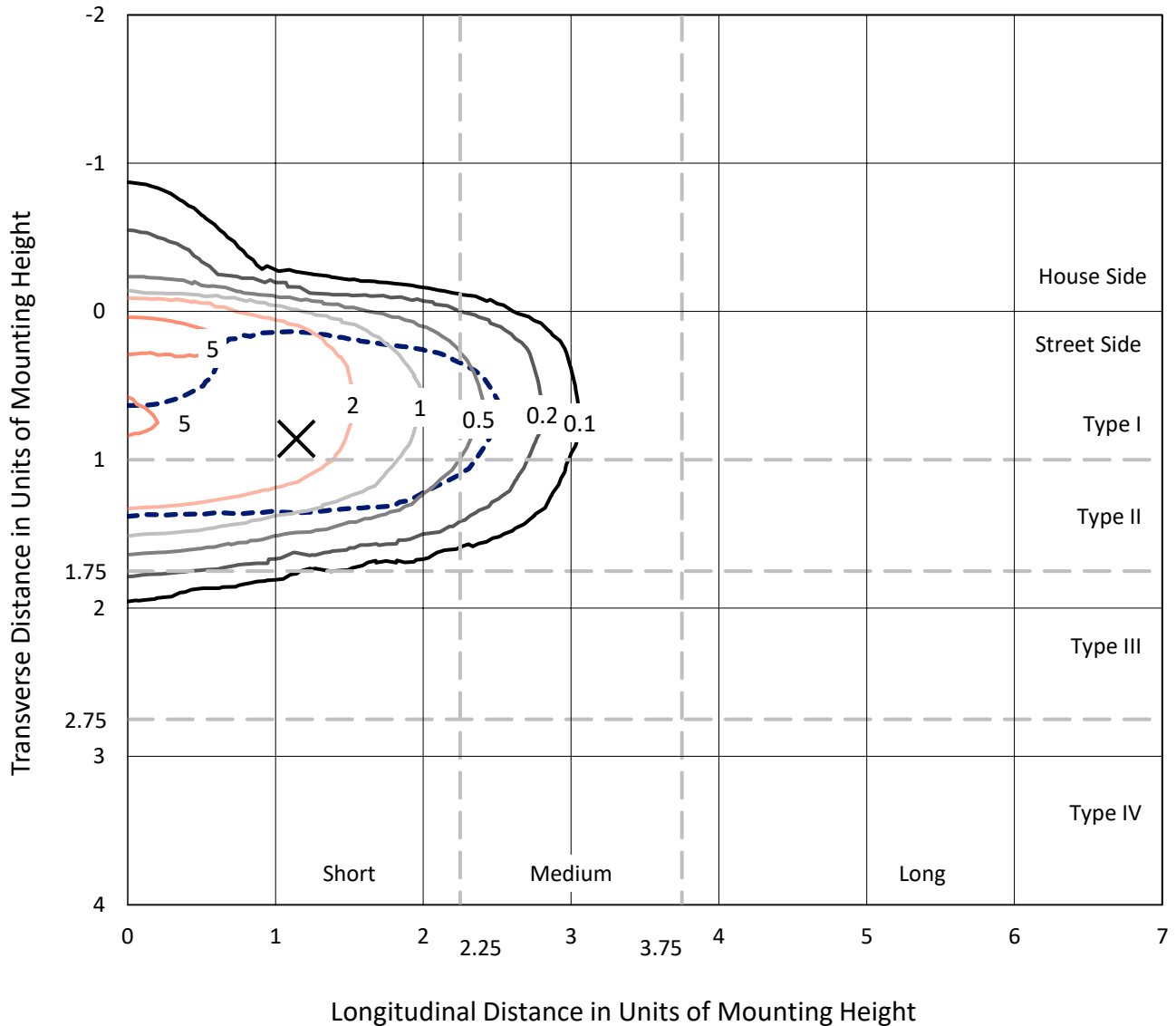
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P674377
 CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

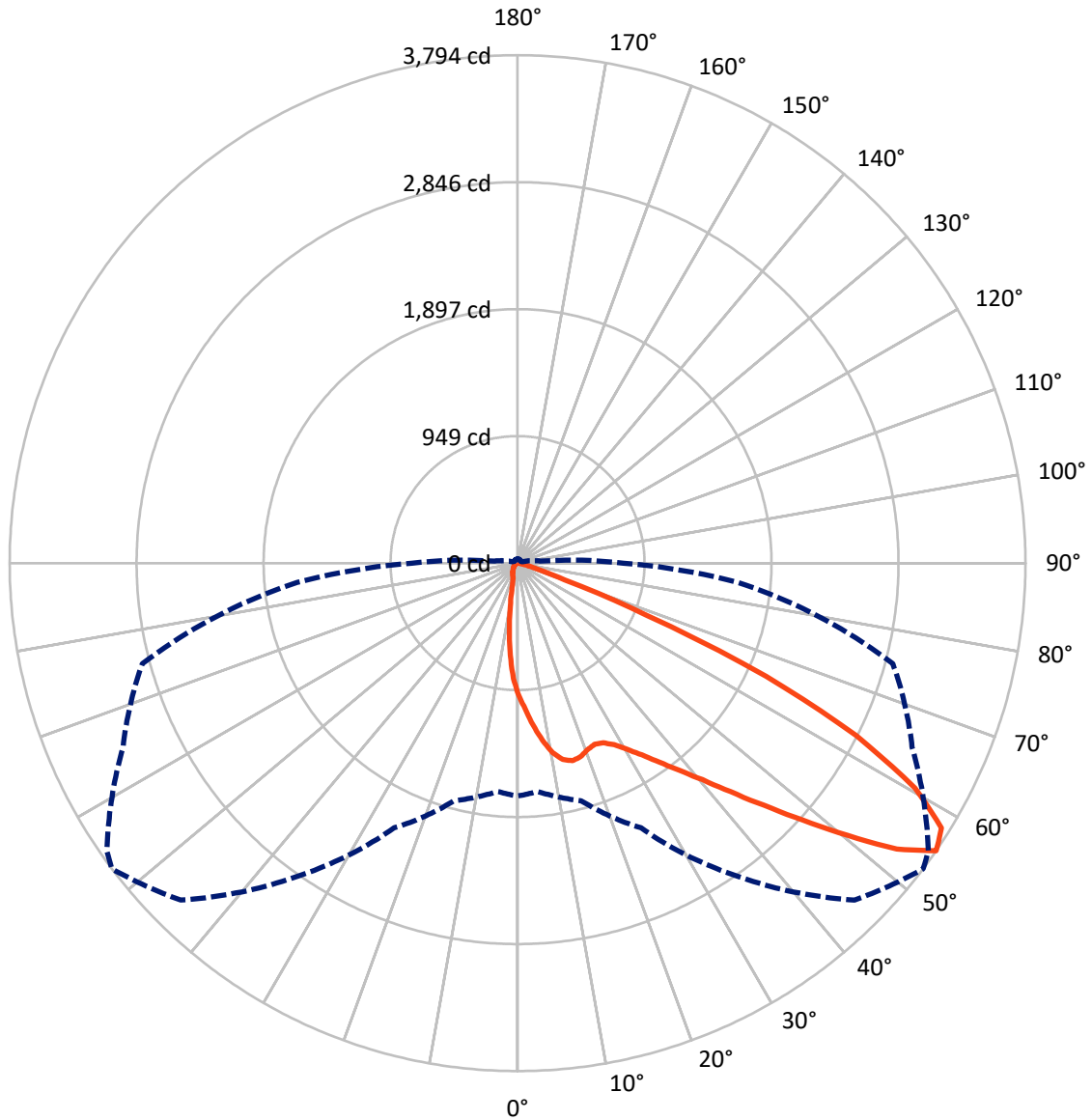
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

REPORT NUMBER: P674377
CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674377
 CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

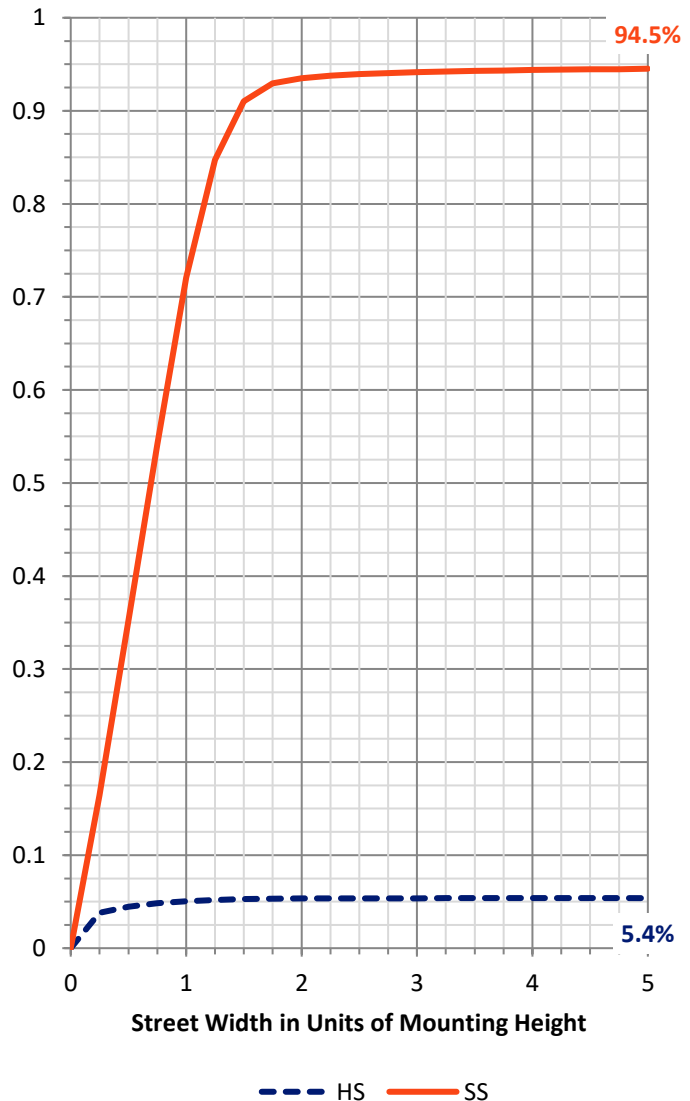
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	228.0	0.0	228.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3990.5	0.0	3990.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	4218.5	0.0	4218.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	2.1
10°-20°	230.6	5.5
20°-30°	386.0	9.2
30°-40°	631.5	15.0
40°-50°	1015.2	24.1
50°-60°	1146.1	27.2
60°-70°	611.4	14.5
70°-80°	100.5	2.4
80°-90°	9.0	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°	4218.5	100.0
0°-180°	4218.5	100.0



REPORT NUMBER: P674377

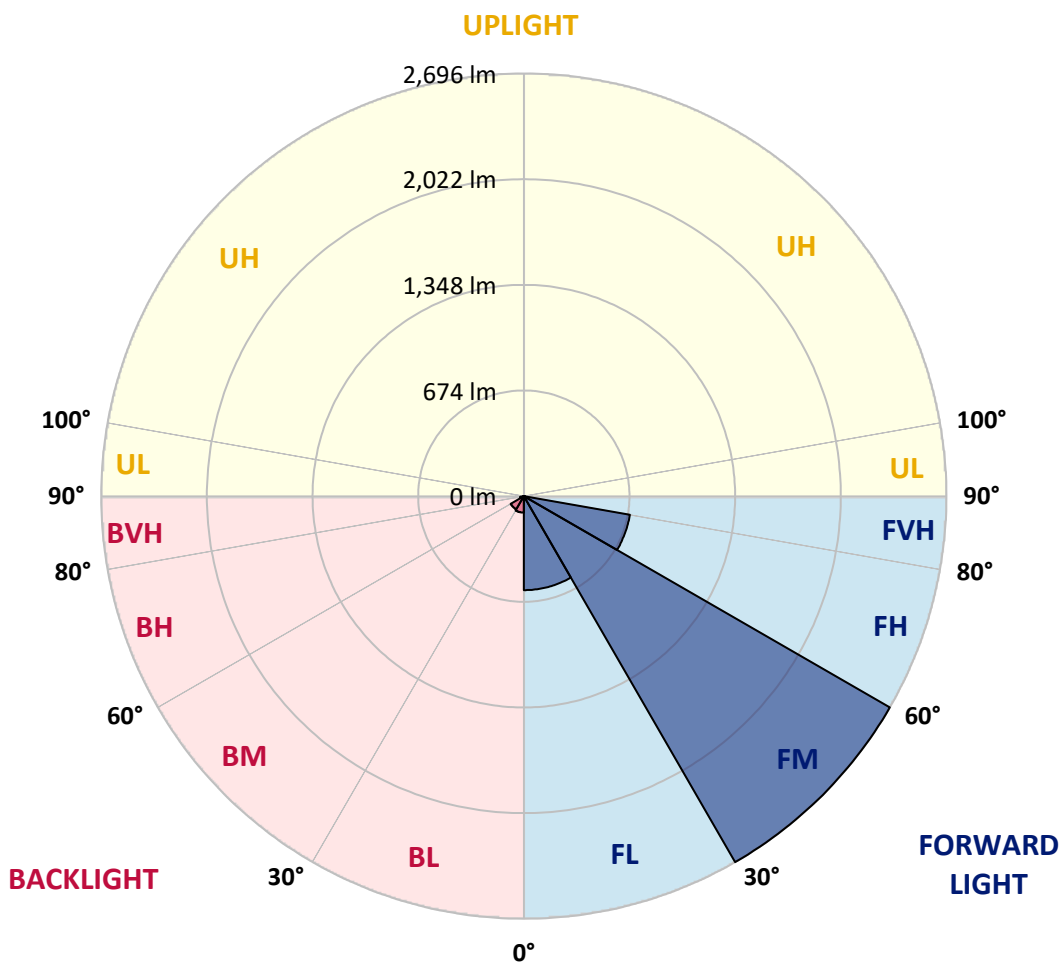
CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.7	14.2			
FM (30°-60°)	2695.7	63.9			
FH (60°-80°)	686.9	16.3			G1/1800
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	105.2	2.5	B0/110		
BM (30°-60°)	97.1	2.3	B0/220		
BH (60°-80°)	24.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





REPORT NUMBER: P674377
 CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2
2.5°	1183.9	1176.8	1180.9	1170.2	1150.6	1126.2	1089.6	1091.5	1062.6	1037.5	1002.8
5°	1379.4	1372.0	1369.8	1342.4	1315.1	1271.1	1216.8	1207.9	1155.0	1091.1	1018.3
7.5°	1482.5	1476.2	1481.0	1471.1	1444.1	1404.2	1335.4	1328.8	1247.1	1150.2	1043.0
10°	1435.2	1433.0	1453.3	1477.0	1498.8	1494.0	1438.9	1428.5	1336.9	1215.3	1068.5
12.5°	1308.1	1315.1	1341.0	1384.6	1451.8	1515.0	1506.2	1508.0	1428.5	1285.9	1096.6
15°	1233.4	1241.9	1256.7	1279.2	1362.0	1474.4	1531.7	1550.2	1516.5	1364.6	1129.9
17.5°	1227.1	1234.1	1236.4	1244.9	1293.3	1409.0	1521.3	1556.4	1594.9	1438.9	1167.2
20°	1275.5	1278.5	1276.6	1270.4	1287.7	1373.5	1488.8	1539.1	1659.6	1518.0	1200.1
22.5°	1366.8	1362.4	1356.8	1333.6	1332.5	1383.5	1471.1	1523.5	1698.0	1583.4	1221.9
25°	1479.9	1470.7	1462.9	1430.0	1414.5	1435.6	1486.9	1529.1	1732.7	1647.0	1237.5
27.5°	1603.4	1606.3	1587.1	1542.8	1518.4	1513.9	1536.1	1567.5	1766.4	1703.9	1246.0
30°	1735.3	1736.8	1711.7	1665.8	1643.7	1615.2	1613.7	1632.6	1802.6	1769.3	1254.1
32.5°	1885.8	1889.8	1848.8	1801.1	1762.3	1725.3	1707.2	1723.1	1867.6	1854.7	1270.7
35°	2103.1	2085.3	2029.9	1957.8	1902.8	1854.3	1826.6	1837.0	1954.1	1957.1	1304.0
37.5°	2327.1	2325.2	2263.9	2160.0	2069.8	2009.6	1962.3	1979.3	2075.7	2094.2	1357.2
40°	2535.9	2540.7	2487.5	2396.9	2280.9	2177.4	2126.7	2138.2	2237.3	2260.5	1421.9
42.5°	2672.3	2669.7	2673.8	2647.9	2531.5	2409.5	2333.4	2339.6	2425.0	2437.2	1502.8
45°	2735.1	2725.1	2759.9	2841.9	2795.7	2667.5	2580.6	2572.9	2619.8	2616.5	1576.4
47.5°	2680.8	2662.3	2742.2	2939.9	3029.3	2990.5	2866.3	2852.3	2812.4	2785.8	1652.9
50°	2410.6	2402.5	2573.2	2893.3	3176.1	3289.2	3197.9	3145.8	2984.2	2910.7	1693.2
52.5°	2153.7	2131.2	2246.5	2655.7	3110.7	3529.4	3548.3	3455.5	3126.9	2946.5	1679.5
55°	1739.8	1712.0	1837.7	2181.8	2851.6	3560.1	3794.4	3746.0	3251.8	2902.2	1651.8
57.5°	1056.7	1029.4	1214.2	1562.7	2280.5	3305.1	3733.8	3783.0	3347.9	2853.4	1633.7
60°	444.3	426.9	499.3	745.9	1456.3	2716.3	3412.3	3535.0	3366.1	2786.5	1641.1
62.5°	231.0	223.2	227.3	298.6	588.8	1788.6	2840.1	3053.7	3183.5	2756.9	1648.5
65°	173.3	167.4	154.5	164.1	228.8	773.2	2041.0	2327.1	2787.6	2681.9	1598.6
67.5°	142.3	136.8	127.5	124.6	134.9	268.3	1041.9	1413.8	2184.4	2362.2	1419.7
70°	113.5	111.6	108.7	103.1	101.3	130.1	373.7	576.2	1444.4	1665.8	1029.0
72.5°	94.6	95.0	91.7	86.9	80.2	83.9	149.0	197.0	698.9	798.7	431.0
75°	79.1	79.1	80.2	73.6	66.9	57.7	82.8	96.1	224.4	184.4	92.0
77.5°	62.1	62.8	67.6	62.1	53.6	36.2	45.1	51.4	66.5	53.2	33.6
80°	49.5	48.8	46.9	55.8	48.0	25.5	21.4	23.7	31.0	25.5	16.6
82.5°	34.7	34.4	32.9	37.7	37.3	18.9	14.0	14.4	18.9	16.3	10.3
85°	8.5	10.0	21.1	17.7	15.5	11.1	8.5	9.2	12.2	10.7	5.5
87.5°	3.7	3.7	9.6	11.5	7.4	4.8	3.7	4.1	6.3	6.3	3.3
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: P674377
 CATALOG NUMBER: CCP-SA-2B-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2
2.5°	990.6	966.5	936.2	904.1	871.2	831.6	806.5	785.8	769.5	757.0	752.5
5°	994.3	948.1	879.3	793.9	707.1	625.8	562.9	516.3	477.9	456.8	447.6
7.5°	993.9	932.5	808.3	665.3	524.1	406.9	323.8	272.4	238.0	224.0	215.5
10°	993.5	912.2	727.4	522.6	350.4	235.8	173.7	144.9	132.3	127.5	126.8
12.5°	1004.2	888.9	636.8	384.8	219.9	146.7	120.9	114.2	111.3	109.8	109.4
15°	1010.1	867.5	541.5	271.7	148.2	116.1	107.9	105.0	103.9	103.1	102.8
17.5°	1016.4	834.2	450.9	196.6	118.6	105.3	100.5	98.7	97.9	97.9	97.9
20°	1017.5	798.4	361.1	144.9	105.3	98.3	93.5	91.7	90.6	89.8	89.8
22.5°	1009.4	755.9	283.9	117.5	97.6	91.7	86.5	83.5	81.7	81.3	81.3
25°	989.1	695.6	217.7	103.1	91.3	85.0	78.7	75.4	73.9	73.9	73.9
27.5°	959.9	624.6	168.2	91.7	83.2	76.9	71.3	68.4	68.0	67.6	68.0
30°	926.6	556.3	128.6	81.3	73.6	68.4	63.9	62.5	63.2	63.2	63.6
32.5°	893.4	487.9	100.5	73.2	65.1	60.6	58.4	58.4	59.5	59.5	59.5
35°	864.9	421.0	84.3	66.5	59.1	55.4	54.3	55.4	56.2	56.6	56.6
37.5°	849.0	363.3	74.3	60.6	54.3	51.4	51.0	52.1	53.6	54.7	55.1
40°	843.1	319.0	68.4	56.2	49.9	48.0	47.7	49.2	51.7	53.6	54.0
42.5°	843.5	279.8	63.2	51.7	46.9	44.4	44.4	46.6	49.2	51.0	51.0
45°	846.0	246.2	58.0	47.3	44.4	39.9	40.3	43.2	45.1	46.9	46.9
47.5°	848.3	219.2	52.5	42.5	38.4	36.2	37.0	39.2	41.8	44.7	44.7
50°	835.3	200.0	46.9	37.3	33.6	32.9	34.4	36.2	39.9	42.9	43.2
52.5°	804.3	182.6	42.1	33.3	30.3	30.7	32.5	33.6	36.6	37.0	37.3
55°	790.6	173.7	38.4	30.3	27.7	28.8	29.9	30.3	29.6	27.7	27.7
57.5°	787.6	167.8	34.7	27.4	25.5	27.0	26.6	24.4	22.2	20.0	19.6
60°	790.6	159.7	31.8	23.7	23.3	23.7	22.5	18.5	15.5	14.0	13.3
62.5°	773.6	147.8	29.2	20.3	20.3	20.0	17.0	12.6	10.0	8.9	8.5
65°	717.4	124.6	26.6	17.0	16.6	15.9	11.5	8.5	6.7	5.5	5.2
67.5°	606.9	96.5	24.0	14.0	13.3	11.1	7.4	5.5	3.7	3.3	3.0
70°	414.0	59.9	20.3	11.1	10.0	7.0	4.4	3.3	2.2	1.8	1.5
72.5°	150.1	34.7	17.0	8.5	6.7	4.4	2.6	1.5	1.1	1.1	0.7
75°	35.5	24.4	12.9	6.3	4.4	2.6	1.5	1.1	0.7	0.7	0.4
77.5°	16.3	18.9	8.5	3.7	3.0	1.8	1.1	0.7	0.4	0.4	0.0
80°	9.2	13.3	4.1	2.6	2.2	1.5	0.7	0.4	0.4	0.0	0.0
82.5°	4.8	7.4	3.0	2.2	1.8	1.1	0.7	0.0	0.0	0.0	0.0
85°	3.3	3.7	2.2	1.8	1.5	1.1	0.7	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.2	1.8	1.5	1.1	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)