

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: P674452

Luminaire Tested: **CCP-SA-1F-827-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674452
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

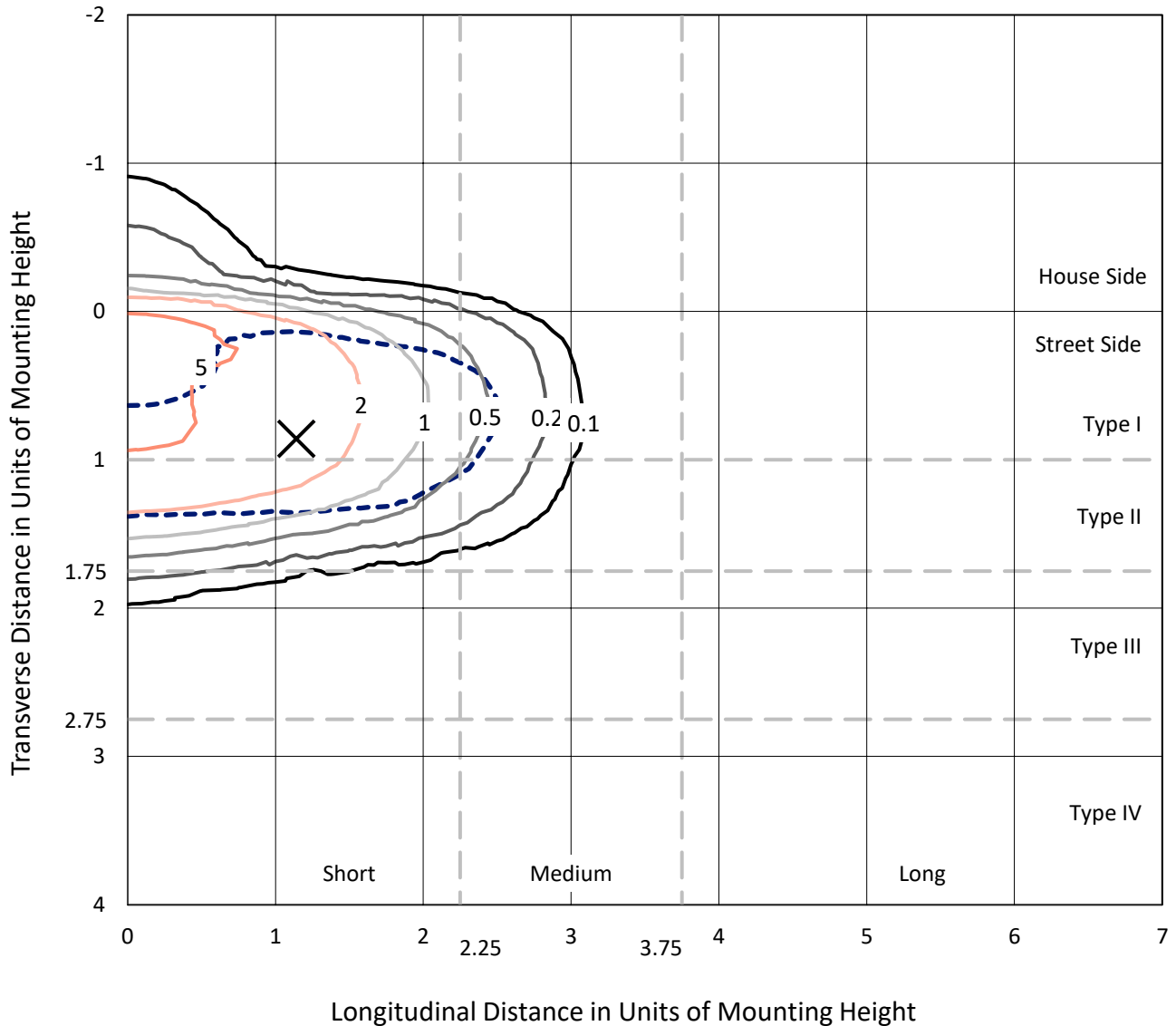
Lumens per Lamp: N/A
Luminaire Lumens: 4570.5 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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: P674452
 CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

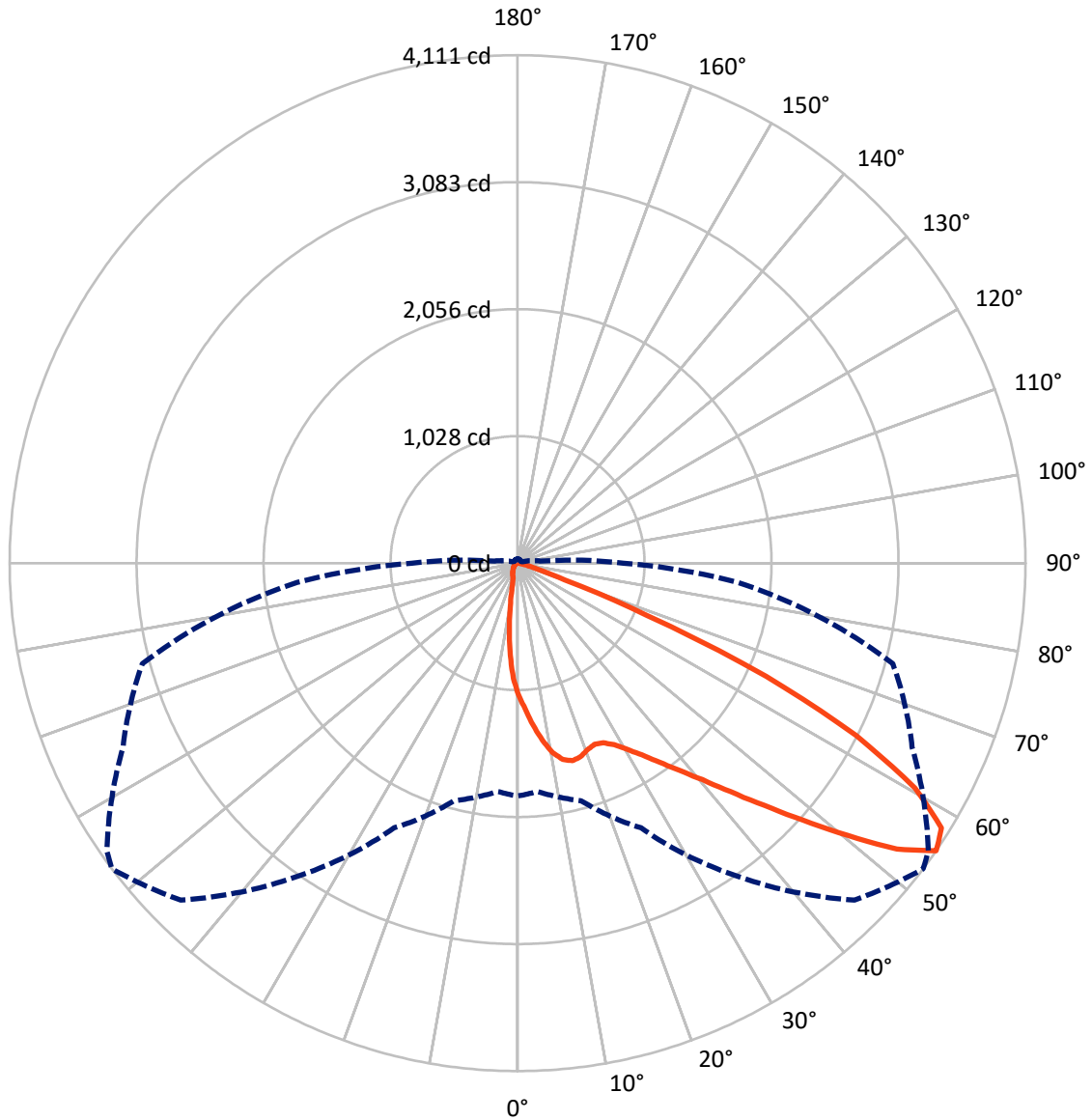
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P674452
CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674452

CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

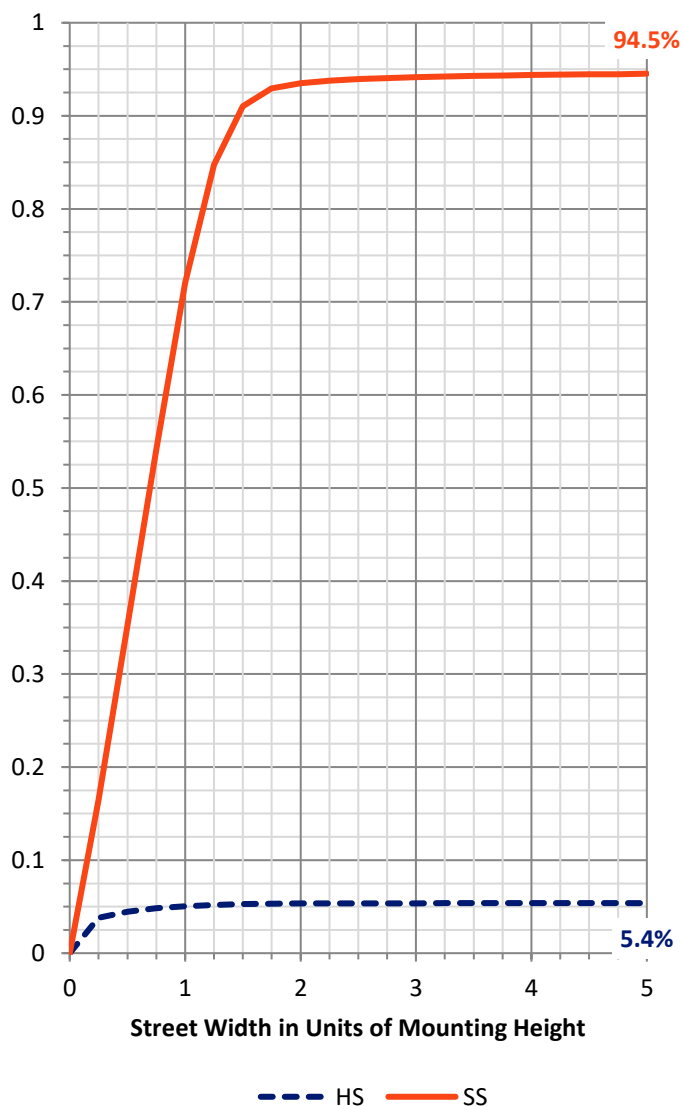
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	247.0	0.0	247.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4323.4	0.0	4323.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	4570.5	0.0	4570.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	2.1
10°-20°	249.9	5.5
20°-30°	418.2	9.2
30°-40°	684.2	15.0
40°-50°	1099.9	24.1
50°-60°	1241.7	27.2
60°-70°	662.4	14.5
70°-80°	108.8	2.4
80°-90°	9.7	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°	4570.5	100.0
0°-180°	4570.5	100.0



REPORT NUMBER: P674452

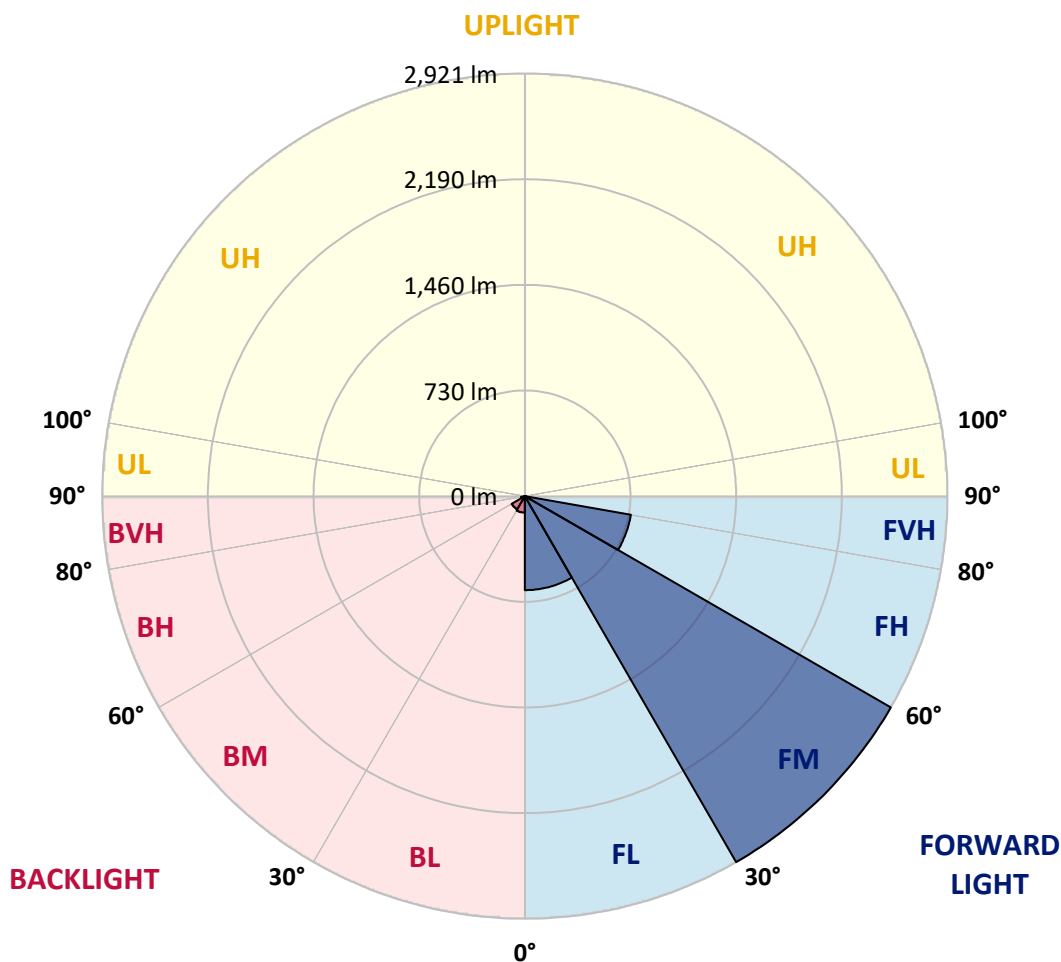
CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.7	14.2			
FM (30°-60°)	2920.6	63.9			
FH (60°-80°)	744.2	16.3			G1/1800
FVH (80°-90°)	8.9	0.2			G0/10
BL (0°-30°)	114.0	2.5	B1/500		
BM (30°-60°)	105.3	2.3	B0/220		
BH (60°-80°)	27.0	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: P674452

CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1282.6	1275.0	1279.4	1267.8	1246.6	1220.2	1180.5	1182.5	1151.3	1124.1	1086.4
5°	1494.5	1486.5	1484.1	1454.4	1424.8	1377.1	1318.3	1308.7	1251.4	1182.1	1103.2
7.5°	1606.2	1599.4	1604.6	1593.8	1564.6	1521.3	1446.8	1439.6	1351.1	1246.2	1130.1
10°	1554.9	1552.5	1574.6	1600.2	1623.8	1618.6	1559.0	1547.7	1448.4	1316.7	1157.7
12.5°	1417.2	1424.8	1452.8	1500.1	1573.0	1641.4	1631.8	1633.8	1547.7	1393.2	1188.1
15°	1336.3	1345.5	1361.5	1386.0	1475.7	1597.4	1659.5	1679.5	1643.0	1478.5	1224.2
17.5°	1329.5	1337.1	1339.5	1348.7	1401.2	1526.5	1648.3	1686.3	1727.9	1559.0	1264.6
20°	1382.0	1385.2	1383.2	1376.3	1395.2	1488.1	1613.0	1667.5	1798.0	1644.6	1300.3
22.5°	1480.9	1476.1	1470.1	1444.8	1443.6	1498.9	1593.8	1650.7	1839.7	1715.5	1323.9
25°	1603.4	1593.4	1585.0	1549.3	1532.5	1555.3	1611.0	1656.7	1877.3	1784.4	1340.7
27.5°	1737.2	1740.4	1719.5	1671.5	1645.0	1640.2	1664.3	1698.3	1913.7	1846.1	1349.9
30°	1880.1	1881.7	1854.5	1804.8	1780.8	1750.0	1748.4	1768.8	1953.0	1917.0	1358.7
32.5°	2043.1	2047.5	2003.0	1951.4	1909.3	1869.3	1849.7	1866.9	2023.5	2009.5	1376.7
35°	2278.6	2259.3	2199.3	2121.2	2061.5	2009.1	1979.0	1990.2	2117.2	2120.4	1412.8
37.5°	2521.2	2519.2	2452.8	2340.2	2242.5	2177.2	2126.0	2144.4	2248.9	2268.9	1470.5
40°	2747.5	2752.7	2695.0	2596.9	2471.2	2359.0	2304.2	2316.6	2423.9	2449.2	1540.5
42.5°	2895.3	2892.4	2896.9	2868.8	2742.7	2610.5	2528.0	2534.8	2627.4	2640.6	1628.2
45°	2963.3	2952.5	2990.2	3079.1	3029.0	2890.0	2795.9	2787.5	2838.4	2834.8	1707.9
47.5°	2904.5	2884.4	2970.9	3185.2	3282.1	3240.0	3105.5	3090.3	3047.0	3018.2	1790.8
50°	2611.7	2602.9	2787.9	3134.7	3441.1	3563.6	3464.7	3408.2	3233.2	3153.5	1834.5
52.5°	2333.4	2309.0	2433.9	2877.2	3370.2	3823.9	3844.3	3743.8	3387.8	3192.4	1819.6
55°	1884.9	1854.9	1991.0	2363.9	3089.5	3857.1	4111.0	4058.6	3523.2	3144.3	1789.6
57.5°	1144.9	1115.3	1315.5	1693.1	2470.8	3580.8	4045.3	4098.6	3627.3	3091.5	1770.0
60°	481.3	462.5	541.0	808.1	1577.8	2942.9	3697.0	3829.9	3646.9	3019.0	1778.0
62.5°	250.3	241.9	246.3	323.6	637.9	1937.8	3077.1	3308.5	3449.1	2987.0	1786.0
65°	187.8	181.4	167.4	177.8	247.9	837.7	2211.3	2521.2	3020.2	2905.7	1731.9
67.5°	154.2	148.2	138.2	135.0	146.2	290.7	1128.9	1531.7	2366.7	2559.3	1538.1
70°	122.9	120.9	117.7	111.7	109.7	141.0	404.9	624.3	1565.0	1804.8	1114.9
72.5°	102.5	102.9	99.3	94.1	86.9	90.9	161.4	213.4	757.3	865.4	466.9
75°	85.7	85.7	86.9	79.7	72.5	62.5	89.7	104.1	243.1	199.8	99.7
77.5°	67.3	68.1	73.3	67.3	58.1	39.2	48.9	55.7	72.1	57.7	36.4
80°	53.7	52.9	50.9	60.5	52.1	27.6	23.2	25.6	33.6	27.6	18.0
82.5°	37.6	37.2	35.6	40.8	40.4	20.4	15.2	15.6	20.4	17.6	11.2
85°	9.2	10.8	22.8	19.2	16.8	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



REPORT NUMBER: P674452
 CATALOG NUMBER: CCP-SA-1F-827-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1073.2	1047.2	1014.3	979.5	943.9	901.0	873.8	851.4	833.7	820.1	815.3
5°	1077.2	1027.2	952.7	860.2	766.1	678.0	609.9	559.4	517.8	495.0	484.9
7.5°	1076.8	1010.3	875.8	720.8	567.8	440.9	350.8	295.1	257.9	242.7	233.5
10°	1076.4	988.3	788.1	566.2	379.6	255.5	188.2	157.0	143.4	138.2	137.4
12.5°	1088.0	963.1	690.0	416.9	238.3	159.0	130.9	123.7	120.5	118.9	118.5
15°	1094.4	939.9	586.7	294.3	160.6	125.7	116.9	113.7	112.5	111.7	111.3
17.5°	1101.2	903.8	488.5	213.0	128.5	114.1	108.9	106.9	106.1	106.1	106.1
20°	1102.4	865.0	391.2	157.0	114.1	106.5	101.3	99.3	98.1	97.3	97.3
22.5°	1093.6	818.9	307.5	127.3	105.7	99.3	93.7	90.5	88.5	88.1	88.1
25°	1071.6	753.6	235.9	111.7	98.9	92.1	85.3	81.7	80.1	80.1	80.1
27.5°	1040.0	676.8	182.2	99.3	90.1	83.3	77.3	74.1	73.7	73.3	73.7
30°	1003.9	602.7	139.4	88.1	79.7	74.1	69.3	67.7	68.5	68.5	68.9
32.5°	967.9	528.6	108.9	79.3	70.5	65.7	63.3	63.3	64.5	64.5	64.5
35°	937.1	456.1	91.3	72.1	64.1	60.1	58.9	60.1	60.9	61.3	61.3
37.5°	919.8	393.6	80.5	65.7	58.9	55.7	55.3	56.5	58.1	59.3	59.7
40°	913.4	345.6	74.1	60.9	54.1	52.1	51.7	53.3	56.1	58.1	58.5
42.5°	913.8	303.1	68.5	56.1	50.9	48.1	48.1	50.5	53.3	55.3	55.3
45°	916.6	266.7	62.9	51.3	48.1	43.2	43.6	46.9	48.9	50.9	50.9
47.5°	919.0	237.5	56.9	46.1	41.6	39.2	40.0	42.4	45.3	48.5	48.5
50°	905.0	216.6	50.9	40.4	36.4	35.6	37.2	39.2	43.2	46.5	46.9
52.5°	871.4	197.8	45.7	36.0	32.8	33.2	35.2	36.4	39.6	40.0	40.4
55°	856.6	188.2	41.6	32.8	30.0	31.2	32.4	32.8	32.0	30.0	30.0
57.5°	853.4	181.8	37.6	29.6	27.6	29.2	28.8	26.4	24.0	21.6	21.2
60°	856.6	173.0	34.4	25.6	25.2	25.6	24.4	20.0	16.8	15.2	14.4
62.5°	838.1	160.2	31.6	22.0	22.0	21.6	18.4	13.6	10.8	9.6	9.2
65°	777.3	135.0	28.8	18.4	18.0	17.2	12.4	9.2	7.2	6.0	5.6
67.5°	657.5	104.5	26.0	15.2	14.4	12.0	8.0	6.0	4.0	3.6	3.2
70°	448.5	64.9	22.0	12.0	10.8	7.6	4.8	3.6	2.4	2.0	1.6
72.5°	162.6	37.6	18.4	9.2	7.2	4.8	2.8	1.6	1.2	1.2	0.8
75°	38.4	26.4	14.0	6.8	4.8	2.8	1.6	1.2	0.8	0.8	0.4
77.5°	17.6	20.4	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)