

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: P674376

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674376  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-722-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

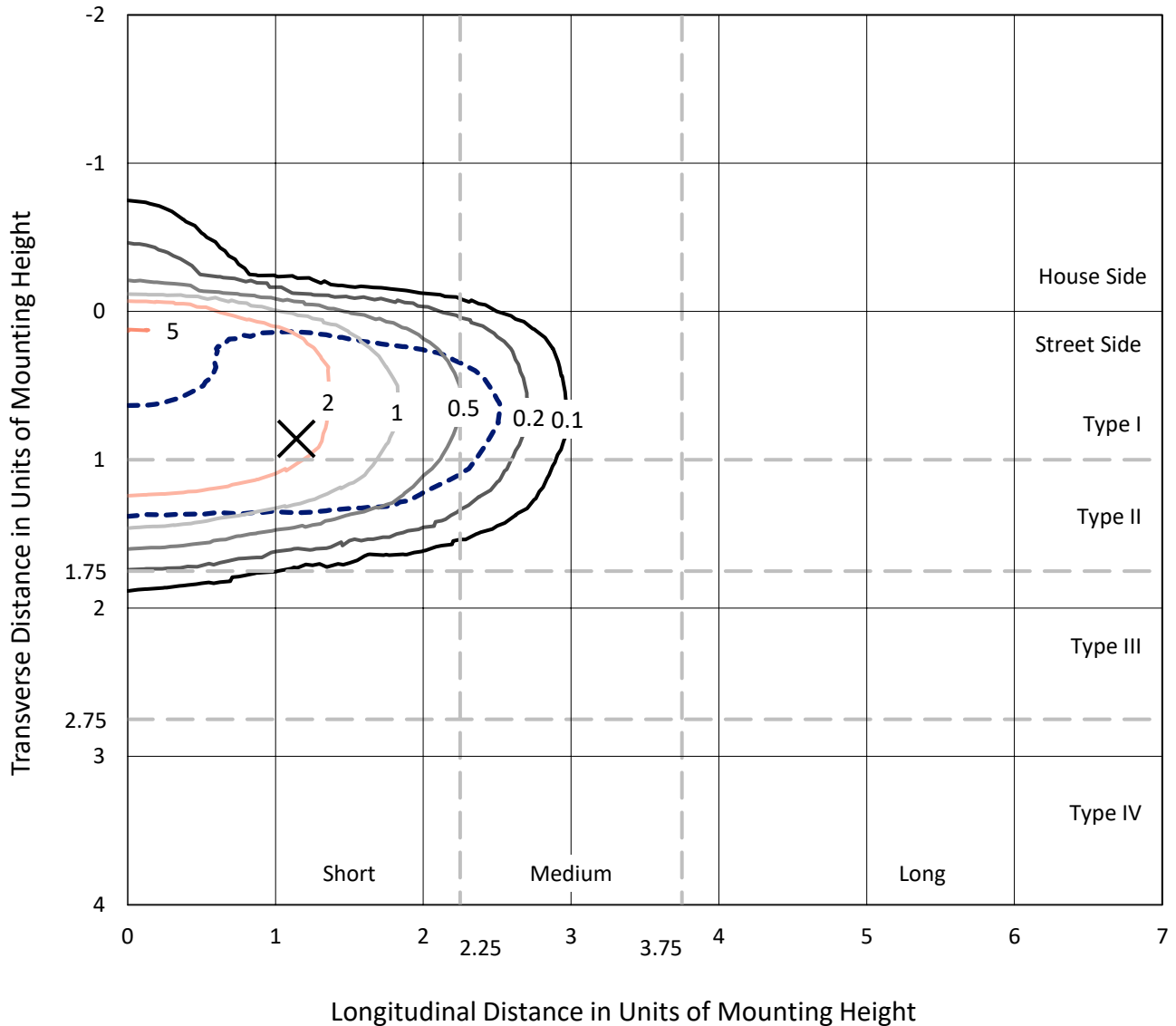
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3342.2 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 36.2  
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

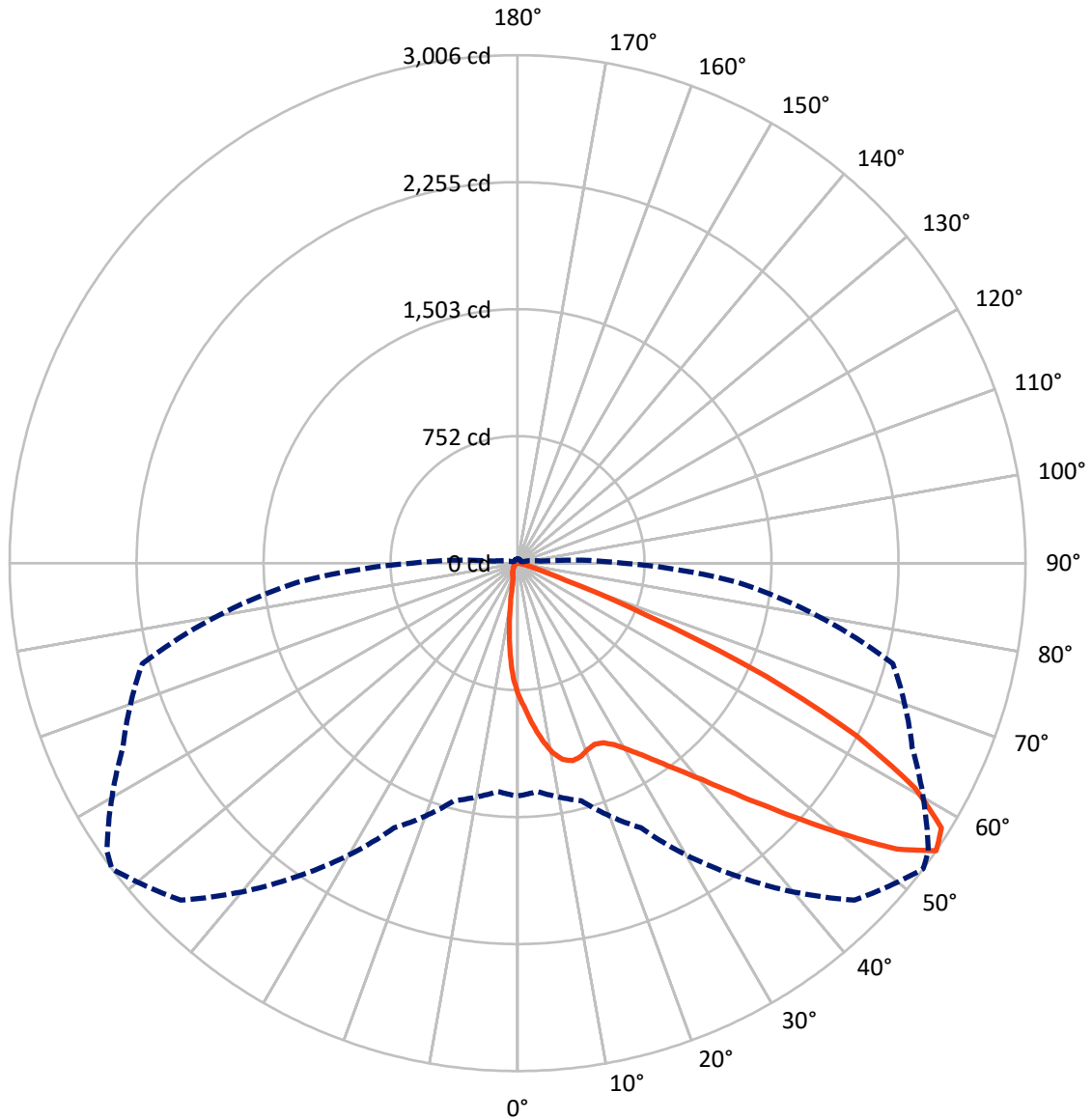
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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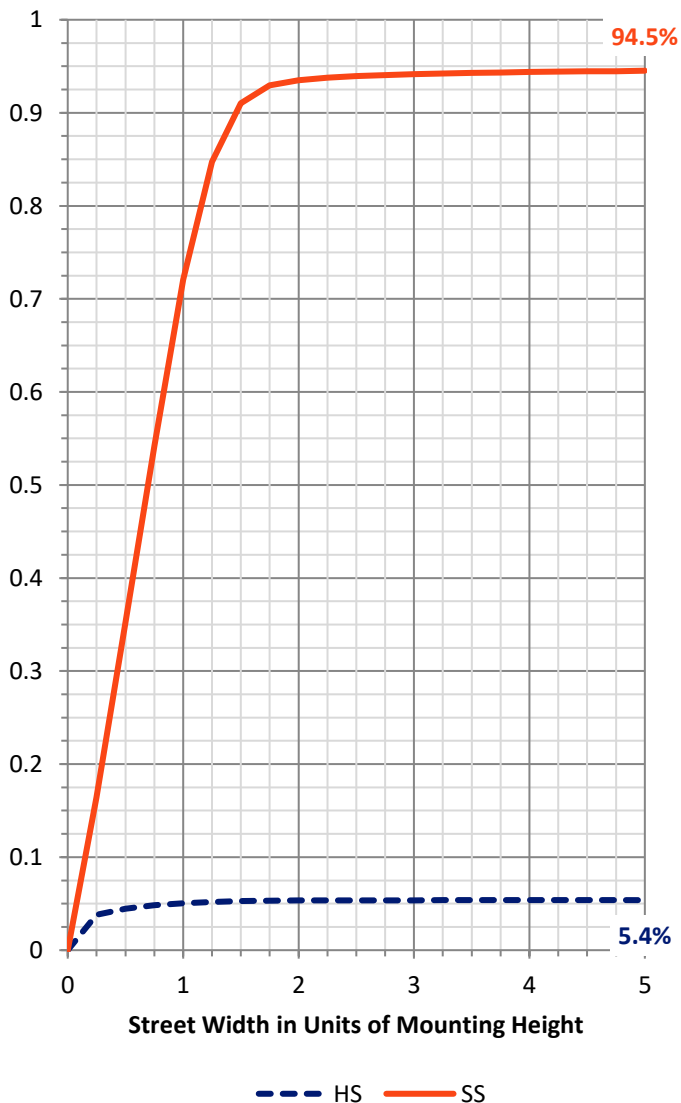
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	180.7	0.0	180.7
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	3161.6	0.0	3161.6
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	3342.2	0.0	3342.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	2.1
10°-20°	182.7	5.5
20°-30°	305.8	9.2
30°-40°	500.3	15.0
40°-50°	804.3	24.1
50°-60°	908.1	27.2
60°-70°	484.4	14.5
70°-80°	79.6	2.4
80°-90°	7.1	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°	3342.2	100.0
0°-180°	3342.2	100.0

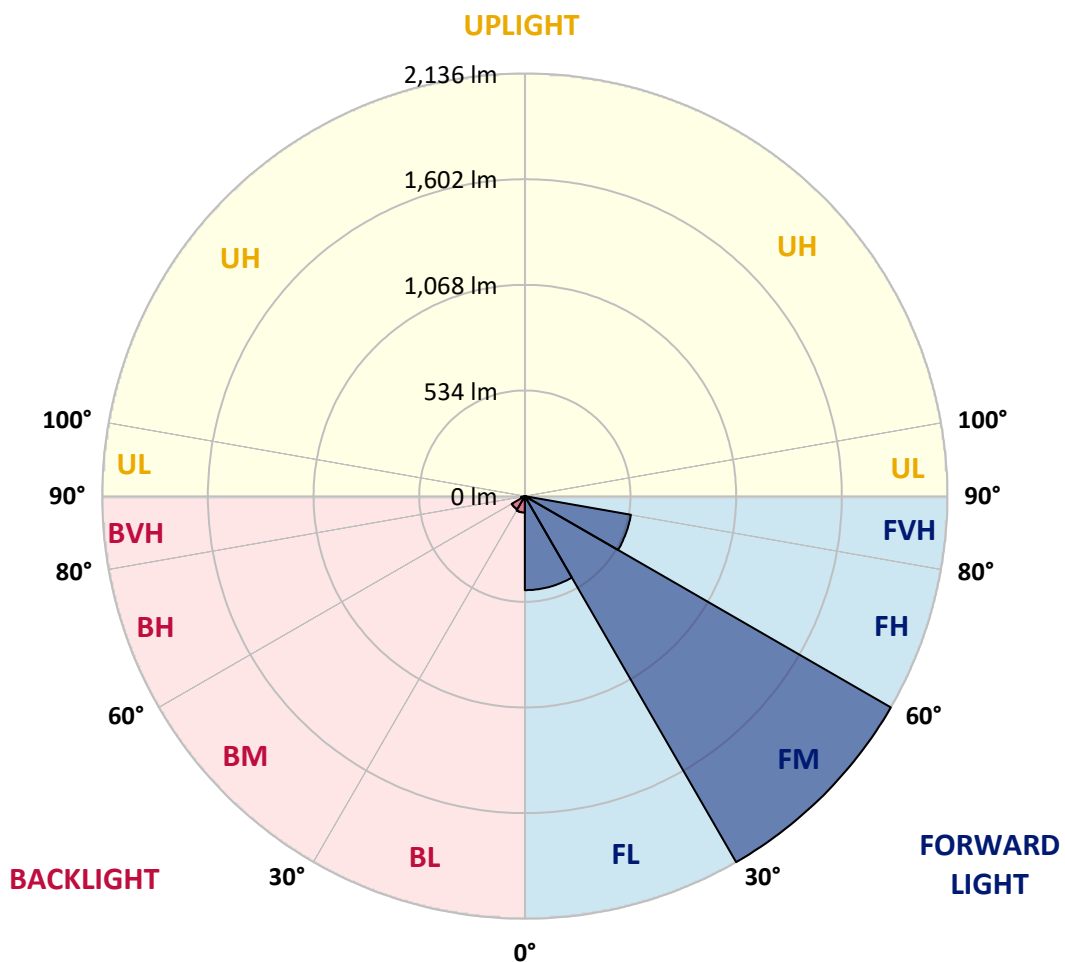


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.1	14.2			
FM (30°-60°)	2135.7	63.9			
FH (60°-80°)	544.2	16.3			G0/660
FVH (80°-90°)	6.5	0.2			G0/10
BL (0°-30°)	83.4	2.5	B0/110		
BM (30°-60°)	77.0	2.3	B0/220		
BH (60°-80°)	19.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2
2.5°	938.0	932.4	935.6	927.1	911.6	892.3	863.3	864.7	841.9	822.0	794.5
5°	1092.9	1087.0	1085.2	1063.6	1041.9	1007.1	964.0	957.0	915.1	864.4	806.8
7.5°	1174.6	1169.6	1173.4	1165.5	1144.1	1112.5	1058.0	1052.7	988.0	911.3	826.4
10°	1137.1	1135.3	1151.4	1170.2	1187.4	1183.6	1140.0	1131.8	1059.2	962.8	846.6
12.5°	1036.3	1041.9	1062.4	1097.0	1150.3	1200.3	1193.3	1194.8	1131.8	1018.8	868.8
15°	977.2	983.9	995.6	1013.5	1079.1	1168.1	1213.5	1228.2	1201.5	1081.1	895.2
17.5°	972.2	977.8	979.5	986.3	1024.6	1116.3	1205.3	1233.1	1263.6	1140.0	924.8
20°	1010.6	1012.9	1011.5	1006.5	1020.2	1088.2	1179.5	1219.4	1314.8	1202.7	950.8
22.5°	1082.9	1079.4	1075.0	1056.5	1055.7	1096.1	1165.5	1207.1	1345.3	1254.5	968.1
25°	1172.5	1165.2	1159.0	1133.0	1120.7	1137.4	1178.1	1211.5	1372.8	1304.9	980.4
27.5°	1270.3	1272.7	1257.4	1222.3	1203.0	1199.5	1217.0	1241.9	1399.5	1350.0	987.1
30°	1374.9	1376.0	1356.1	1319.8	1302.2	1279.7	1278.5	1293.5	1428.2	1401.8	993.6
32.5°	1494.0	1497.3	1464.8	1427.0	1396.2	1367.0	1352.6	1365.2	1479.7	1469.4	1006.8
35°	1666.2	1652.2	1608.3	1551.1	1507.5	1469.2	1447.2	1455.4	1548.2	1550.6	1033.1
37.5°	1843.7	1842.2	1793.6	1711.3	1639.9	1592.1	1554.7	1568.1	1644.6	1659.2	1075.3
40°	2009.1	2012.9	1970.8	1899.0	1807.1	1725.1	1685.0	1694.1	1772.5	1791.0	1126.5
42.5°	2117.2	2115.1	2118.4	2097.9	2005.6	1909.0	1848.7	1853.6	1921.3	1931.0	1190.7
45°	2167.0	2159.1	2186.6	2251.6	2215.0	2113.4	2044.6	2038.4	2075.6	2073.0	1248.9
47.5°	2123.9	2109.3	2172.5	2329.2	2400.1	2369.3	2270.9	2259.8	2228.2	2207.1	1309.6
50°	1909.9	1903.4	2038.7	2292.3	2516.3	2605.9	2533.6	2492.3	2364.4	2306.1	1341.5
52.5°	1706.4	1688.5	1779.9	2104.0	2464.5	2796.3	2811.2	2737.7	2477.4	2334.5	1330.6
55°	1378.4	1356.4	1456.0	1728.6	2259.2	2820.6	3006.2	2967.9	2576.4	2299.3	1308.7
57.5°	837.2	815.5	962.0	1238.1	1806.8	2618.5	2958.2	2997.2	2652.5	2260.7	1294.3
60°	352.0	338.2	395.6	590.9	1153.8	2152.0	2703.5	2800.7	2666.8	2207.7	1300.2
62.5°	183.0	176.9	180.1	236.6	466.5	1417.0	2250.1	2419.4	2522.2	2184.3	1306.0
65°	137.3	132.7	122.4	130.0	181.3	612.6	1617.0	1843.7	2208.6	2124.8	1266.5
67.5°	112.7	108.3	101.0	98.7	106.9	212.6	825.5	1120.1	1730.7	1871.5	1124.8
70°	89.9	88.4	86.1	81.7	80.2	103.1	296.1	456.5	1144.4	1319.8	815.3
72.5°	75.0	75.3	72.6	68.8	63.5	66.5	118.0	156.1	553.8	632.8	341.4
75°	62.7	62.7	63.5	58.3	53.0	45.7	65.6	76.1	177.8	146.1	72.9
77.5°	49.2	49.8	53.6	49.2	42.5	28.7	35.7	40.7	52.7	42.2	26.6
80°	39.2	38.7	37.2	44.2	38.1	20.2	17.0	18.7	24.6	20.2	13.2
82.5°	27.5	27.2	26.1	29.9	29.6	14.9	11.1	11.4	14.9	12.9	8.2
85°	6.7	7.9	16.7	14.1	12.3	8.8	6.7	7.3	9.7	8.5	4.4
87.5°	2.9	2.9	7.6	9.1	5.9	3.8	2.9	3.2	5.0	5.0	2.6
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2	782.2
2.5°	784.8	765.8	741.8	716.3	690.2	658.9	639.0	622.6	609.7	599.7	596.2
5°	787.7	751.1	696.7	629.0	560.2	495.8	446.0	409.1	378.6	361.9	354.6
7.5°	787.4	738.8	640.4	527.1	415.2	322.4	256.5	215.8	188.6	177.5	170.7
10°	787.1	722.7	576.3	414.1	277.6	186.8	137.6	114.8	104.8	101.0	100.4
12.5°	795.6	704.3	504.6	304.8	174.2	116.3	95.8	90.5	88.1	87.0	86.7
15°	800.3	687.3	429.0	215.2	117.4	92.0	85.5	83.2	82.3	81.7	81.4
17.5°	805.3	660.9	357.3	155.8	94.0	83.5	79.7	78.2	77.6	77.6	77.6
20°	806.2	632.5	286.1	114.8	83.5	77.9	74.1	72.6	71.7	71.2	71.2
22.5°	799.7	598.8	224.9	93.1	77.3	72.6	68.5	66.2	64.7	64.4	64.4
25°	783.6	551.1	172.5	81.7	72.3	67.4	62.4	59.7	58.6	58.6	58.6
27.5°	760.5	494.9	133.2	72.6	65.9	60.9	56.5	54.2	53.9	53.6	53.9
30°	734.1	440.7	101.9	64.4	58.3	54.2	50.7	49.5	50.1	50.1	50.4
32.5°	707.8	386.5	79.7	58.0	51.5	48.0	46.3	46.3	47.1	47.1	47.1
35°	685.2	333.5	66.8	52.7	46.9	43.9	43.0	43.9	44.5	44.8	44.8
37.5°	672.6	287.9	58.9	48.0	43.0	40.7	40.4	41.3	42.5	43.3	43.6
40°	668.0	252.7	54.2	44.5	39.5	38.1	37.8	38.9	41.0	42.5	42.8
42.5°	668.2	221.7	50.1	41.0	37.2	35.1	35.1	36.9	38.9	40.4	40.4
45°	670.3	195.0	46.0	37.5	35.1	31.6	31.9	34.3	35.7	37.2	37.2
47.5°	672.1	173.7	41.6	33.7	30.5	28.7	29.3	31.0	33.1	35.4	35.4
50°	661.8	158.4	37.2	29.6	26.6	26.1	27.2	28.7	31.6	34.0	34.3
52.5°	637.2	144.7	33.4	26.4	24.0	24.3	25.8	26.6	29.0	29.3	29.6
55°	626.4	137.6	30.5	24.0	22.0	22.8	23.7	24.0	23.4	22.0	22.0
57.5°	624.0	132.9	27.5	21.7	20.2	21.4	21.1	19.3	17.6	15.8	15.5
60°	626.4	126.5	25.2	18.7	18.4	18.7	17.9	14.6	12.3	11.1	10.5
62.5°	612.9	117.1	23.1	16.1	16.1	15.8	13.5	10.0	7.9	7.0	6.7
65°	568.4	98.7	21.1	13.5	13.2	12.6	9.1	6.7	5.3	4.4	4.1
67.5°	480.8	76.4	19.0	11.1	10.5	8.8	5.9	4.4	2.9	2.6	2.3
70°	328.0	47.4	16.1	8.8	7.9	5.6	3.5	2.6	1.8	1.5	1.2
72.5°	118.9	27.5	13.5	6.7	5.3	3.5	2.0	1.2	0.9	0.9	0.6
75°	28.1	19.3	10.2	5.0	3.5	2.0	1.2	0.9	0.6	0.6	0.3
77.5°	12.9	14.9	6.7	2.9	2.3	1.5	0.9	0.6	0.3	0.3	0.0
80°	7.3	10.5	3.2	2.0	1.8	1.2	0.6	0.3	0.3	0.0	0.0
82.5°	3.8	5.9	2.3	1.8	1.5	0.9	0.6	0.0	0.0	0.0	0.0
85°	2.6	2.9	1.8	1.5	1.2	0.9	0.6	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	1.8	1.5	1.2	0.9	0.3	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)