

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: P674371

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674371
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

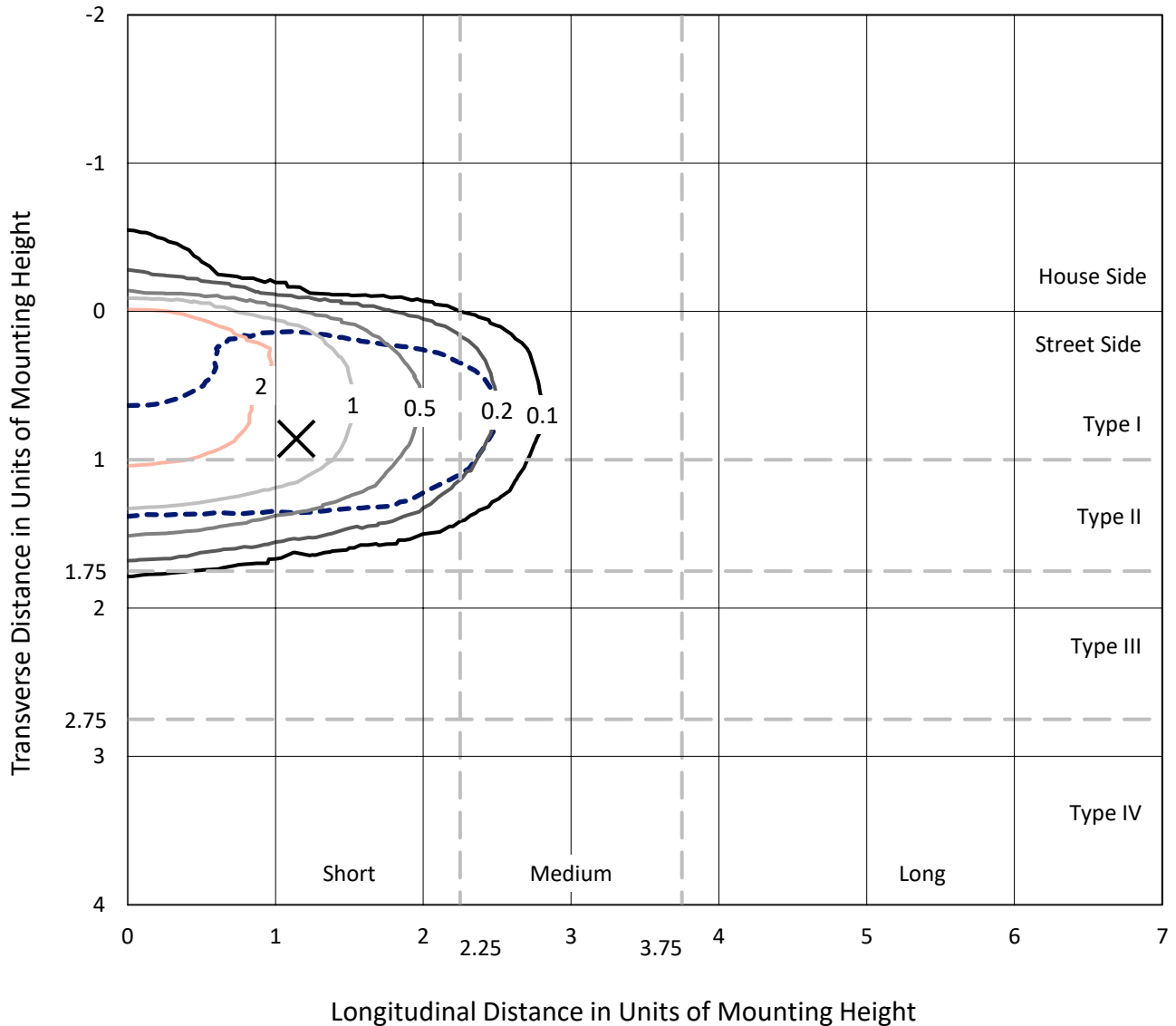
Lumens per Lamp: N/A
Luminaire Lumens: 2109.6 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 24
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

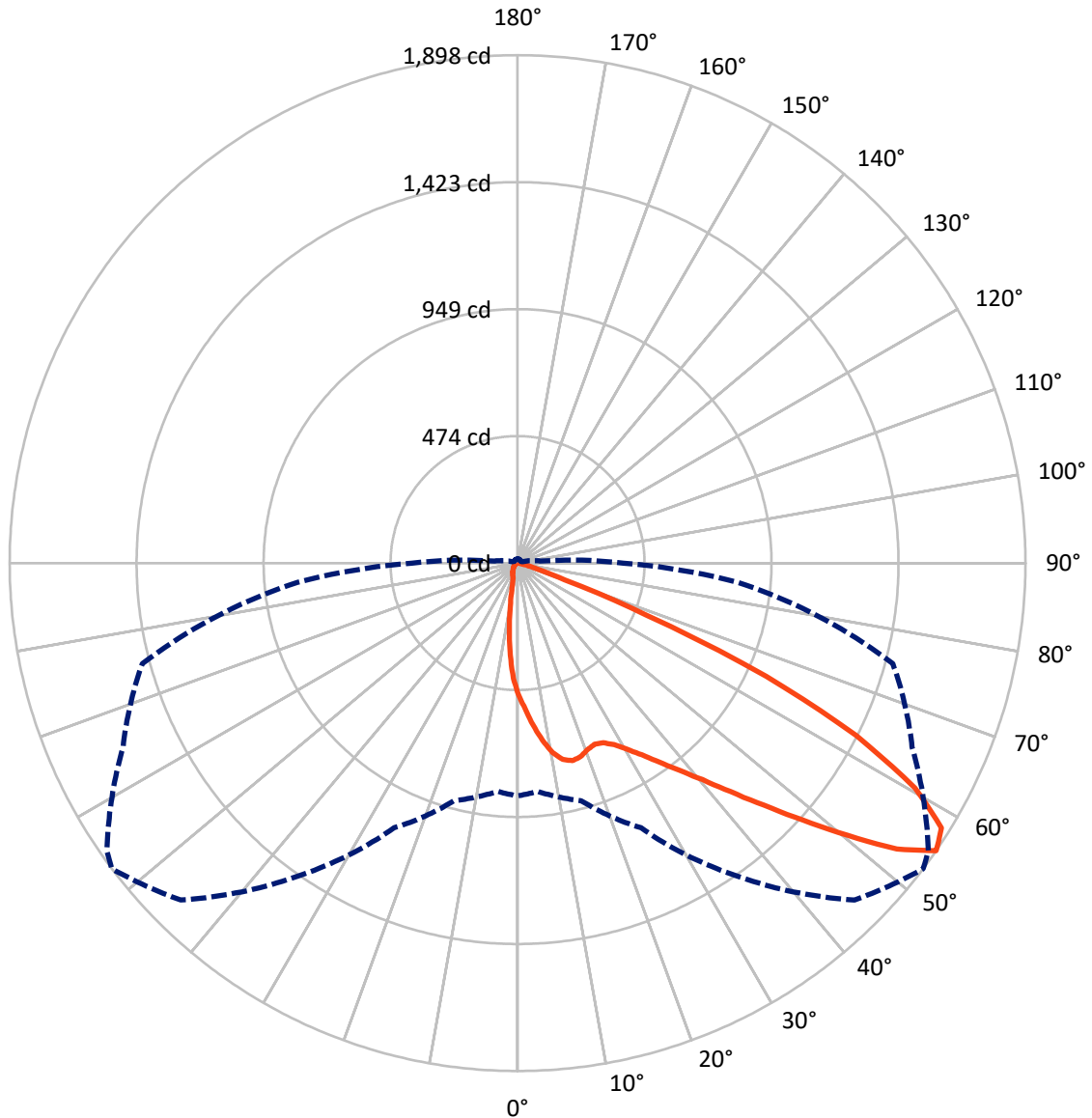
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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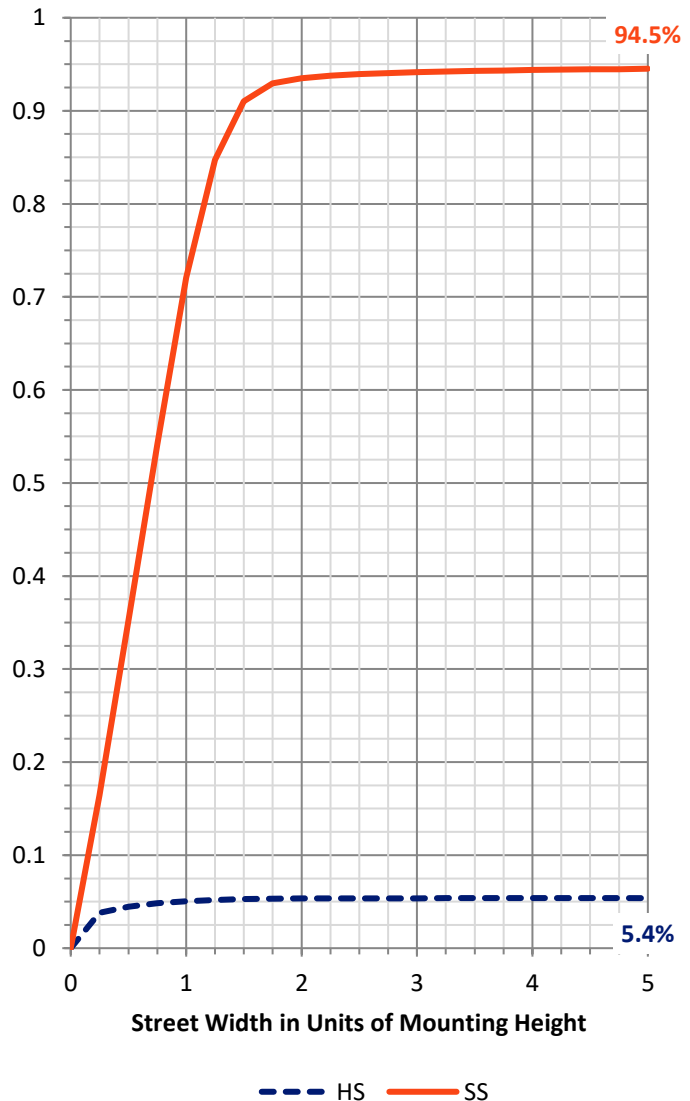
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	114.0	0.0	114.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	1995.5	0.0	1995.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	2109.6	0.0	2109.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	2.1
10°-20°	115.3	5.5
20°-30°	193.0	9.2
30°-40°	315.8	15.0
40°-50°	507.7	24.1
50°-60°	573.2	27.2
60°-70°	305.7	14.5
70°-80°	50.2	2.4
80°-90°	4.5	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°	2109.6	100.0
0°-180°	2109.6	100.0



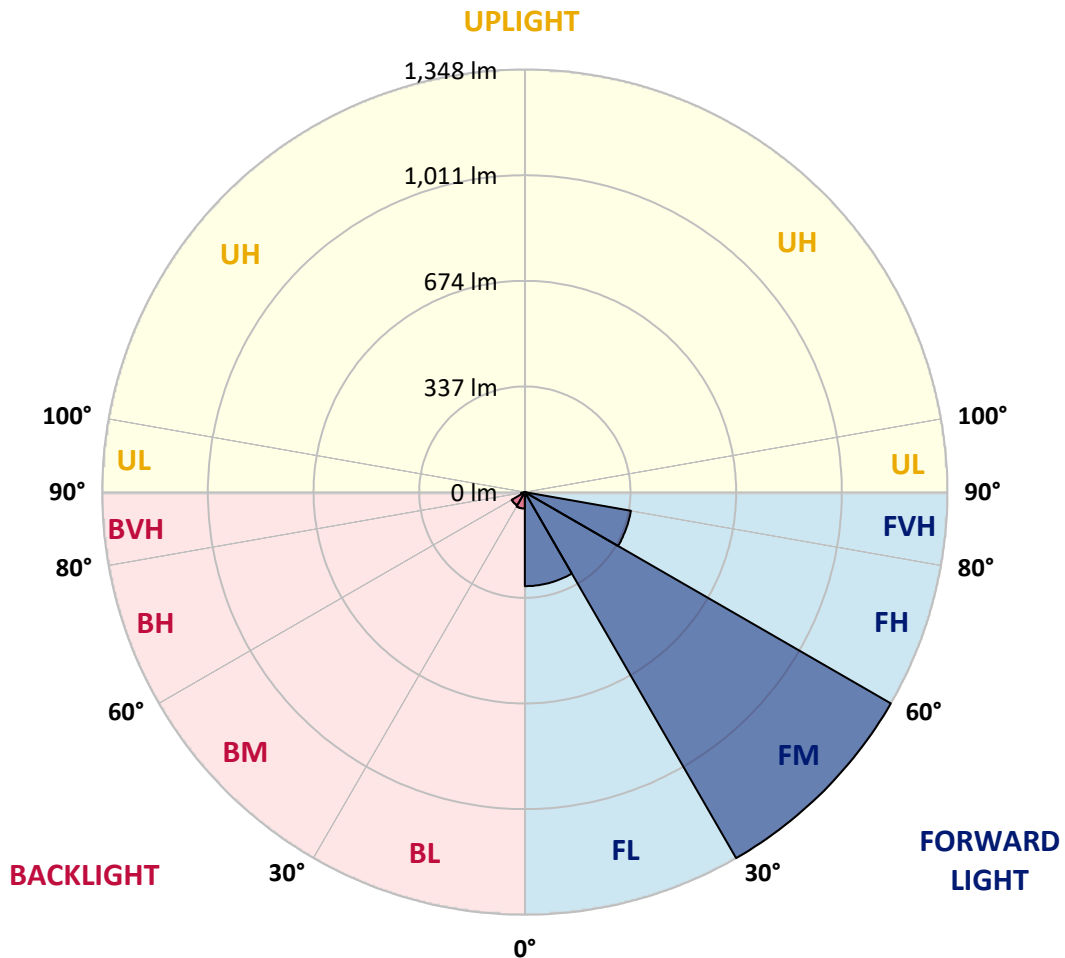
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.9	14.2			
FM (30°-60°)	1348.0	63.9			
FH (60°-80°)	343.5	16.3			G0/660
FVH (80°-90°)	4.1	0.2			G0/10
BL (0°-30°)	52.6	2.5	B0/110		
BM (30°-60°)	48.6	2.3	B0/220		
BH (60°-80°)	12.5	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	592.0	588.5	590.5	585.2	575.4	563.2	544.9	545.8	531.4	518.8	501.5
5°	689.8	686.1	685.0	671.3	657.6	635.6	608.5	604.0	577.6	545.6	509.2
7.5°	741.4	738.2	740.6	735.6	722.1	702.2	667.8	664.5	623.6	575.2	521.6
10°	717.7	716.6	726.8	738.6	749.5	747.1	719.6	714.4	668.5	607.7	534.4
12.5°	654.1	657.6	670.6	692.4	726.0	757.6	753.2	754.1	714.4	643.0	548.4
15°	616.8	621.0	628.4	639.7	681.1	737.3	765.9	775.2	758.4	682.4	565.0
17.5°	613.6	617.2	618.3	622.5	646.7	704.6	760.8	778.3	797.6	719.6	583.7
20°	637.9	639.3	638.4	635.3	644.0	686.8	744.5	769.6	829.9	759.1	600.2
22.5°	683.5	681.3	678.5	666.9	666.3	691.8	735.6	761.9	849.1	791.8	611.1
25°	740.1	735.4	731.6	715.1	707.4	717.9	743.6	764.7	866.5	823.6	618.8
27.5°	801.8	803.3	793.7	771.5	759.3	757.1	768.2	783.9	883.3	852.1	623.1
30°	867.8	868.5	856.0	833.0	822.0	807.7	807.0	816.4	901.4	884.8	627.1
32.5°	943.0	945.0	924.5	900.7	881.3	862.8	853.7	861.7	934.0	927.5	635.5
35°	1051.7	1042.8	1015.1	979.1	951.5	927.3	913.4	918.6	977.2	978.7	652.1
37.5°	1163.7	1162.8	1132.1	1080.2	1035.1	1004.9	981.3	989.8	1038.0	1047.3	678.7
40°	1268.1	1270.5	1243.9	1198.6	1140.6	1088.8	1063.5	1069.3	1118.8	1130.4	711.1
42.5°	1336.3	1335.0	1337.1	1324.1	1265.9	1204.9	1166.8	1170.0	1212.7	1218.8	751.5
45°	1367.8	1362.8	1380.1	1421.2	1398.1	1333.9	1290.5	1286.6	1310.1	1308.4	788.3
47.5°	1340.6	1331.4	1371.3	1470.2	1514.9	1495.5	1433.4	1426.4	1406.4	1393.1	826.6
50°	1205.5	1201.4	1286.8	1446.9	1588.3	1644.8	1599.2	1573.1	1492.3	1455.6	846.7
52.5°	1077.0	1065.7	1123.4	1328.0	1555.6	1765.0	1774.4	1728.0	1563.7	1473.5	839.9
55°	870.0	856.1	919.0	1091.1	1426.0	1780.3	1897.5	1873.3	1626.2	1451.3	826.0
57.5°	528.4	514.8	607.2	781.5	1140.4	1652.8	1867.2	1891.8	1674.2	1426.9	817.0
60°	222.2	213.5	249.7	373.0	728.2	1358.3	1706.4	1767.7	1683.3	1393.5	820.7
62.5°	115.5	111.6	113.7	149.3	294.4	894.4	1420.3	1527.1	1592.0	1378.7	824.4
65°	86.7	83.7	77.3	82.1	114.4	386.7	1020.6	1163.7	1394.0	1341.1	799.4
67.5°	71.2	68.4	63.8	62.3	67.5	134.2	521.0	707.0	1092.4	1181.3	709.9
70°	56.7	55.8	54.3	51.6	50.6	65.1	186.9	288.2	722.3	833.0	514.6
72.5°	47.3	47.5	45.8	43.4	40.1	42.0	74.5	98.5	349.5	399.4	215.5
75°	39.6	39.6	40.1	36.8	33.5	28.8	41.4	48.1	112.2	92.2	46.0
77.5°	31.1	31.4	33.8	31.1	26.8	18.1	22.5	25.7	33.3	26.6	16.8
80°	24.8	24.4	23.5	27.9	24.0	12.8	10.7	11.8	15.5	12.8	8.3
82.5°	17.4	17.2	16.5	18.9	18.7	9.4	7.0	7.2	9.4	8.1	5.2
85°	4.3	5.0	10.5	8.9	7.8	5.5	4.3	4.6	6.1	5.4	2.8
87.5°	1.8	1.8	4.8	5.7	3.7	2.4	1.8	2.0	3.1	3.1	1.7
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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	495.4	483.3	468.2	452.1	435.7	415.9	403.3	393.0	384.8	378.5	376.3
5°	497.2	474.1	439.7	397.0	353.6	312.9	281.5	258.2	239.0	228.5	223.8
7.5°	497.0	466.3	404.2	332.7	262.1	203.5	161.9	136.2	119.0	112.0	107.8
10°	496.8	456.2	363.8	261.4	175.2	117.9	86.9	72.5	66.2	63.8	63.4
12.5°	502.2	444.5	318.5	192.4	110.0	73.4	60.4	57.1	55.6	54.9	54.7
15°	505.1	433.8	270.8	135.9	74.1	58.0	54.0	52.5	51.9	51.6	51.4
17.5°	508.3	417.2	225.5	98.3	59.3	52.7	50.3	49.4	49.0	49.0	49.0
20°	508.8	399.2	180.6	72.5	52.7	49.2	46.8	45.8	45.3	44.9	44.9
22.5°	504.8	378.0	142.0	58.8	48.8	45.8	43.3	41.8	40.8	40.7	40.7
25°	494.6	347.9	108.9	51.6	45.7	42.5	39.4	37.7	37.0	37.0	37.0
27.5°	480.0	312.4	84.1	45.8	41.6	38.4	35.7	34.2	34.0	33.8	34.0
30°	463.4	278.2	64.3	40.7	36.8	34.2	32.0	31.2	31.6	31.6	31.8
32.5°	446.7	244.0	50.3	36.6	32.5	30.3	29.2	29.2	29.8	29.8	29.8
35°	432.5	210.5	42.1	33.3	29.6	27.7	27.2	27.7	28.1	28.3	28.3
37.5°	424.6	181.7	37.2	30.3	27.2	25.7	25.5	26.1	26.8	27.4	27.5
40°	421.6	159.5	34.2	28.1	25.0	24.0	23.8	24.6	25.9	26.8	27.0
42.5°	421.8	139.9	31.6	25.9	23.5	22.2	22.2	23.3	24.6	25.5	25.5
45°	423.1	123.1	29.0	23.7	22.2	20.0	20.1	21.6	22.5	23.5	23.5
47.5°	424.2	109.6	26.2	21.3	19.2	18.1	18.5	19.6	20.9	22.4	22.4
50°	417.7	100.0	23.5	18.7	16.8	16.5	17.2	18.1	20.0	21.4	21.6
52.5°	402.2	91.3	21.1	16.6	15.2	15.3	16.3	16.8	18.3	18.5	18.7
55°	395.4	86.9	19.2	15.2	13.9	14.4	15.0	15.2	14.8	13.9	13.9
57.5°	393.9	83.9	17.4	13.7	12.8	13.5	13.3	12.2	11.1	10.0	9.8
60°	395.4	79.8	15.9	11.8	11.6	11.8	11.3	9.2	7.8	7.0	6.7
62.5°	386.9	73.9	14.6	10.2	10.2	10.0	8.5	6.3	5.0	4.4	4.3
65°	358.8	62.3	13.3	8.5	8.3	7.9	5.7	4.3	3.3	2.8	2.6
67.5°	303.5	48.2	12.0	7.0	6.7	5.5	3.7	2.8	1.8	1.7	1.5
70°	207.0	29.9	10.2	5.5	5.0	3.5	2.2	1.7	1.1	0.9	0.7
72.5°	75.0	17.4	8.5	4.3	3.3	2.2	1.3	0.7	0.6	0.6	0.4
75°	17.7	12.2	6.5	3.1	2.2	1.3	0.7	0.6	0.4	0.4	0.2
77.5°	8.1	9.4	4.3	1.8	1.5	0.9	0.6	0.4	0.2	0.2	0.0
80°	4.6	6.7	2.0	1.3	1.1	0.7	0.4	0.2	0.2	0.0	0.0
82.5°	2.4	3.7	1.5	1.1	0.9	0.6	0.4	0.0	0.0	0.0	0.0
85°	1.7	1.8	1.1	0.9	0.7	0.6	0.4	0.0	0.0	0.0	0.0
87.5°	1.3	1.3	1.1	0.9	0.7	0.6	0.2	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)