

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: P674370

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674370
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

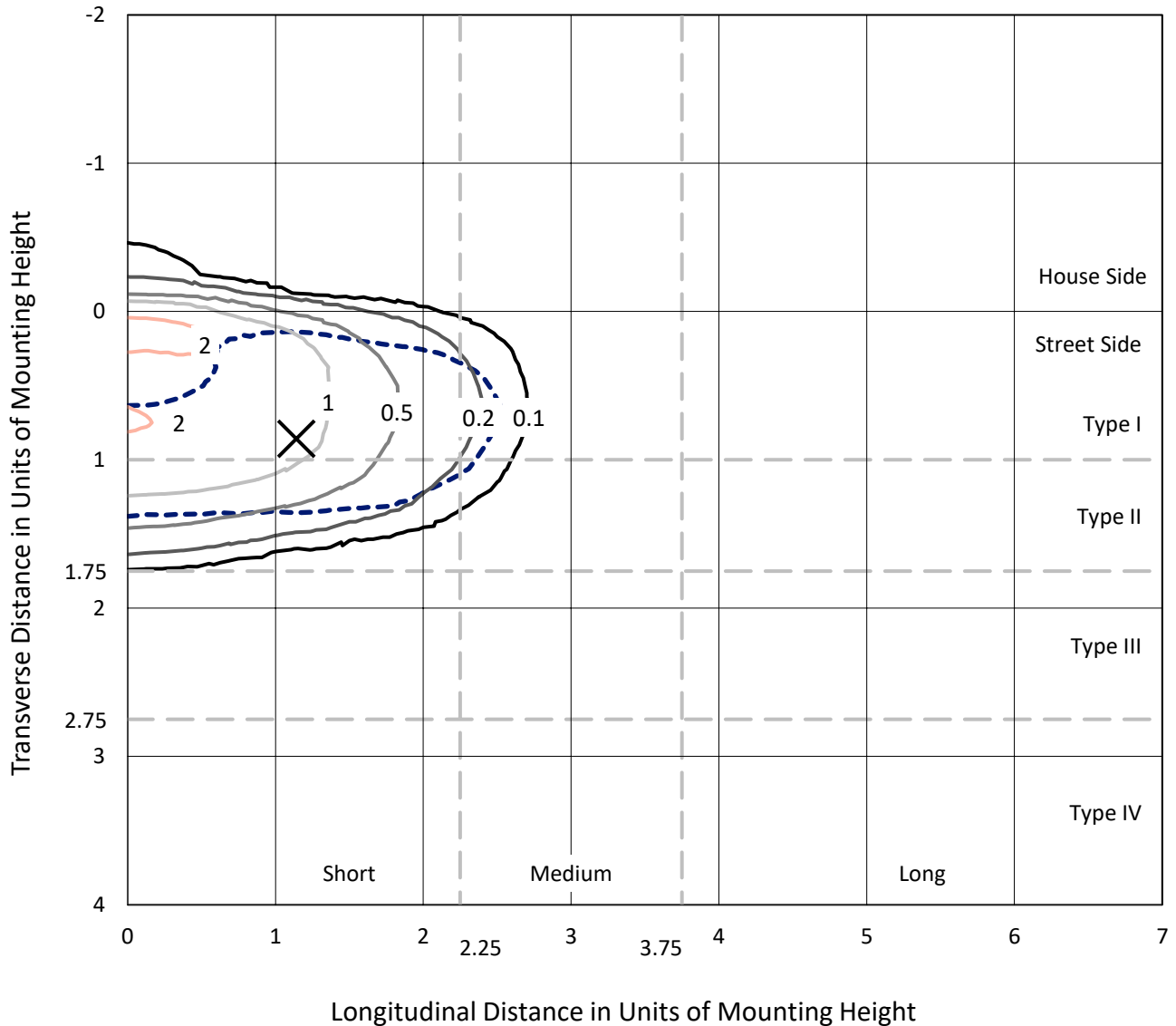
Lumens per Lamp: N/A
Luminaire Lumens: 1671.1 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 18
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: P674370
 CATALOG NUMBER: CCP-SA-1A-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

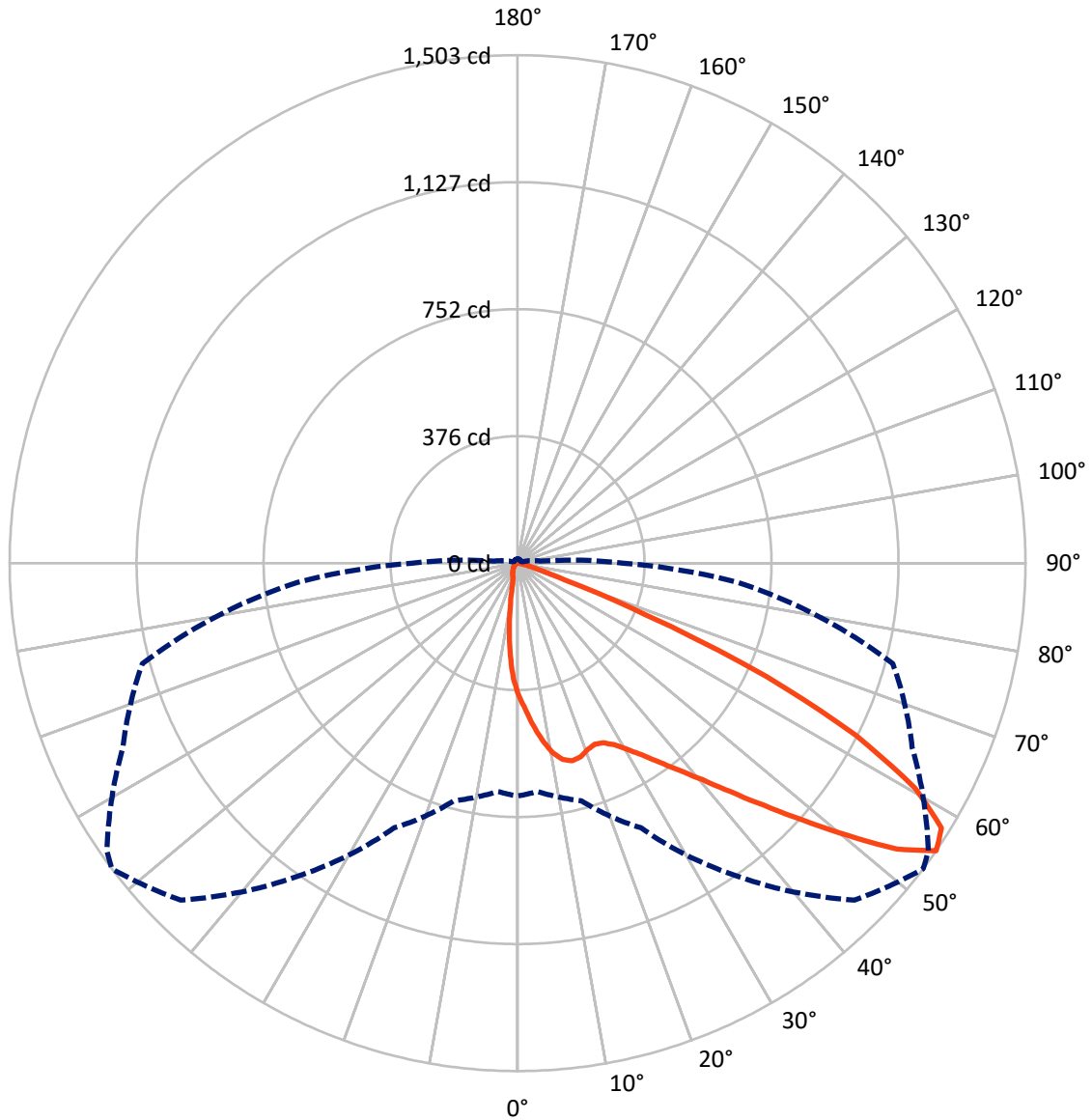
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

REPORT NUMBER: P674370
CATALOG NUMBER: CCP-SA-1A-722-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674370

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

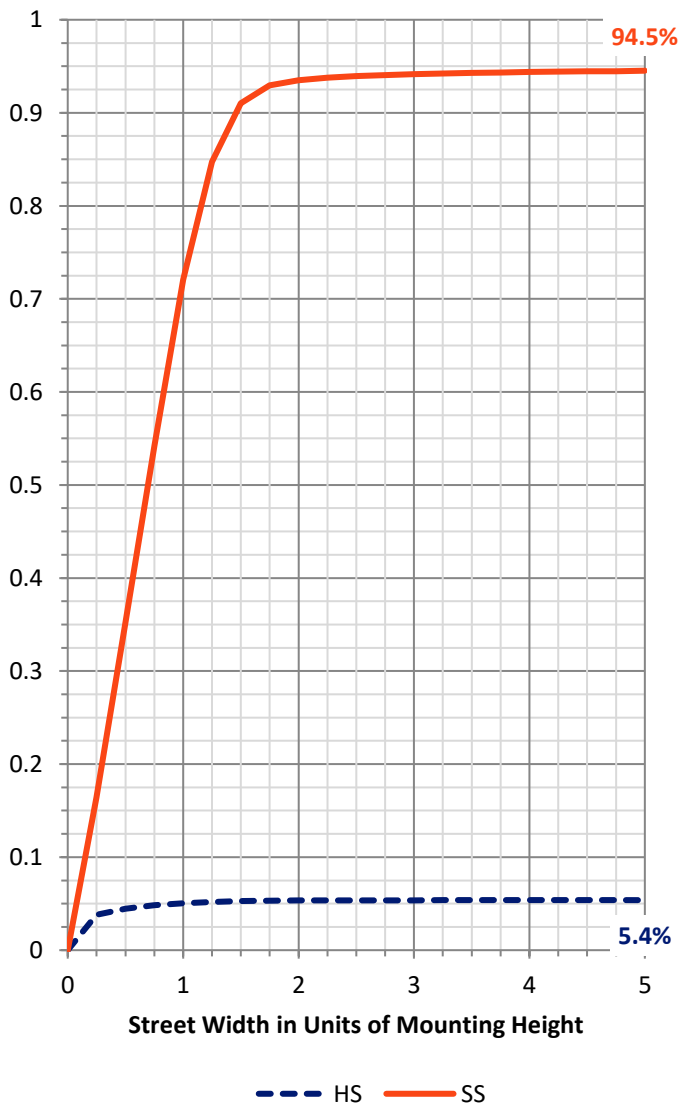
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	90.3	0.0	90.3
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	1580.8	0.0	1580.8
	% Fixture	94.6	0.0	94.6
Total	Lumens	1671.1	0.0	1671.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	2.1
10°-20°	91.4	5.5
20°-30°	152.9	9.2
30°-40°	250.2	15.0
40°-50°	402.1	24.1
50°-60°	454.0	27.2
60°-70°	242.2	14.5
70°-80°	39.8	2.4
80°-90°	3.6	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°	1671.1	100.0
0°-180°	1671.1	100.0

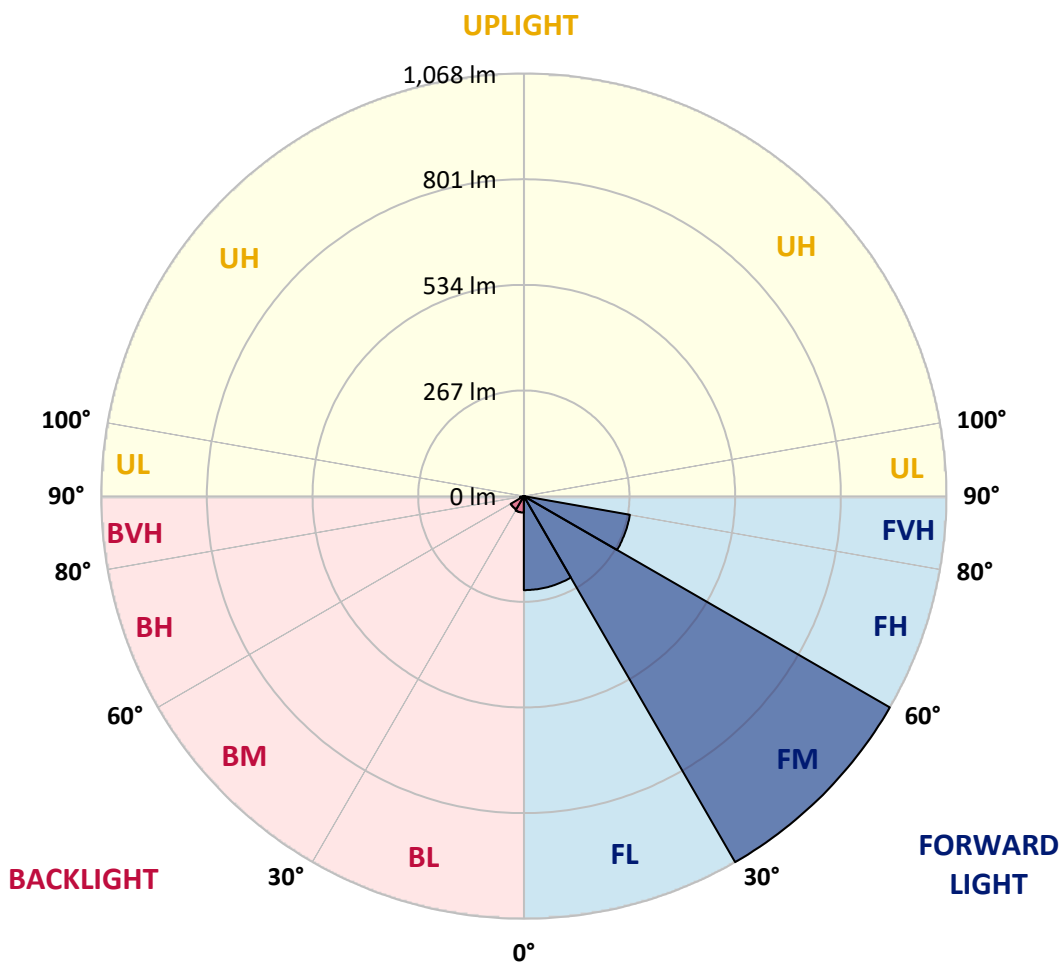


REPORT NUMBER: P674370
 CATALOG NUMBER: CCP-SA-1A-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.6	14.2			
FM (30°-60°)	1067.9	63.9			
FH (60°-80°)	272.1	16.3			G0/660
FVH (80°-90°)	3.3	0.2			G0/10
BL (0°-30°)	41.7	2.5	B0/110		
BM (30°-60°)	38.5	2.3	B0/220		
BH (60°-80°)	9.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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





REPORT NUMBER: P674370
 CATALOG NUMBER: CCP-SA-1A-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1
2.5°	469.0	466.2	467.8	463.6	455.8	446.1	431.6	432.4	421.0	411.0	397.2
5°	546.4	543.5	542.6	531.8	521.0	503.5	482.0	478.5	457.6	432.2	403.4
7.5°	587.3	584.8	586.7	582.7	572.1	556.2	529.0	526.4	494.0	455.7	413.2
10°	568.5	567.7	575.7	585.1	593.7	591.8	570.0	565.9	529.6	481.4	423.3
12.5°	518.2	521.0	531.2	548.5	575.1	600.2	596.7	597.4	565.9	509.4	434.4
15°	488.6	492.0	497.8	506.8	539.5	584.1	606.8	614.1	600.8	540.6	447.6
17.5°	486.1	488.9	489.8	493.1	512.3	558.1	602.7	616.6	631.8	570.0	462.4
20°	505.3	506.5	505.7	503.2	510.1	544.1	589.8	609.7	657.4	601.3	475.4
22.5°	541.5	539.7	537.5	528.3	527.8	548.0	582.7	603.5	672.6	627.3	484.1
25°	586.3	582.6	579.5	566.5	560.3	568.7	589.0	605.7	686.4	652.4	490.2
27.5°	635.2	636.3	628.7	611.1	601.5	599.7	608.5	621.0	699.7	675.0	493.6
30°	687.4	688.0	678.1	659.9	651.1	639.8	639.3	646.7	714.1	700.9	496.8
32.5°	747.0	748.6	732.4	713.5	698.1	683.5	676.3	682.6	739.8	734.7	503.4
35°	833.1	826.1	804.1	775.6	753.8	734.6	723.6	727.7	774.1	775.3	516.6
37.5°	921.8	921.1	896.8	855.7	819.9	796.1	777.3	784.1	822.3	829.6	537.6
40°	1004.6	1006.5	985.4	949.5	903.5	862.5	842.5	847.0	886.3	895.5	563.3
42.5°	1058.6	1057.6	1059.2	1048.9	1002.8	954.5	924.3	926.8	960.6	965.5	595.3
45°	1083.5	1079.5	1093.3	1125.8	1107.5	1056.7	1022.3	1019.2	1037.8	1036.5	624.5
47.5°	1062.0	1054.6	1086.3	1164.6	1200.0	1184.7	1135.5	1129.9	1114.1	1103.5	654.8
50°	954.9	951.7	1019.4	1146.2	1258.2	1303.0	1266.8	1246.2	1182.2	1153.0	670.7
52.5°	853.2	844.2	889.9	1052.0	1232.3	1398.1	1405.6	1368.9	1238.7	1167.2	665.3
55°	689.2	678.2	728.0	864.3	1129.6	1410.3	1503.1	1483.9	1288.2	1149.7	654.3
57.5°	418.6	407.8	481.0	619.1	903.4	1309.3	1479.1	1498.6	1326.3	1130.3	647.2
60°	176.0	169.1	197.8	295.5	576.9	1076.0	1351.7	1400.3	1333.4	1103.8	650.1
62.5°	91.5	88.4	90.0	118.3	233.2	708.5	1125.1	1209.7	1261.1	1092.1	653.0
65°	68.7	66.3	61.2	65.0	90.6	306.3	808.5	921.8	1104.3	1062.4	633.3
67.5°	56.4	54.2	50.5	49.3	53.4	106.3	412.8	560.0	865.3	935.8	562.4
70°	45.0	44.2	43.0	40.9	40.1	51.5	148.0	228.3	572.2	659.9	407.6
72.5°	37.5	37.6	36.3	34.4	31.8	33.2	59.0	78.0	276.9	316.4	170.7
75°	31.3	31.3	31.8	29.1	26.5	22.8	32.8	38.1	88.9	73.1	36.5
77.5°	24.6	24.9	26.8	24.6	21.2	14.3	17.9	20.4	26.4	21.1	13.3
80°	19.6	19.3	18.6	22.1	19.0	10.1	8.5	9.4	12.3	10.1	6.6
82.5°	13.8	13.6	13.0	14.9	14.8	7.5	5.6	5.7	7.5	6.4	4.1
85°	3.4	4.0	8.3	7.0	6.1	4.4	3.4	3.7	4.8	4.2	2.2
87.5°	1.5	1.5	3.8	4.5	2.9	1.9	1.5	1.6	2.5	2.5	1.3
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: P674370
 CATALOG NUMBER: CCP-SA-1A-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1
2.5°	392.4	382.9	370.9	358.1	345.1	329.4	319.5	311.3	304.8	299.9	298.1
5°	393.9	375.6	348.3	314.5	280.1	247.9	223.0	204.5	189.3	181.0	177.3
7.5°	393.7	369.4	320.2	263.6	207.6	161.2	128.3	107.9	94.3	88.7	85.4
10°	393.6	361.4	288.1	207.0	138.8	93.4	68.8	57.4	52.4	50.5	50.2
12.5°	397.8	352.1	252.3	152.4	87.1	58.1	47.9	45.2	44.1	43.5	43.3
15°	400.2	343.6	214.5	107.6	58.7	46.0	42.8	41.6	41.1	40.9	40.7
17.5°	402.6	330.5	178.6	77.9	47.0	41.7	39.8	39.1	38.8	38.8	38.8
20°	403.1	316.3	143.0	57.4	41.7	38.9	37.0	36.3	35.9	35.6	35.6
22.5°	399.9	299.4	112.4	46.6	38.7	36.3	34.3	33.1	32.4	32.2	32.2
25°	391.8	275.6	86.2	40.9	36.2	33.7	31.2	29.9	29.3	29.3	29.3
27.5°	380.2	247.4	66.6	36.3	32.9	30.5	28.3	27.1	26.9	26.8	26.9
30°	367.1	220.4	51.0	32.2	29.1	27.1	25.3	24.7	25.0	25.0	25.2
32.5°	353.9	193.3	39.8	29.0	25.8	24.0	23.1	23.1	23.6	23.6	23.6
35°	342.6	166.8	33.4	26.4	23.4	22.0	21.5	22.0	22.3	22.4	22.4
37.5°	336.3	143.9	29.4	24.0	21.5	20.4	20.2	20.6	21.2	21.7	21.8
40°	334.0	126.4	27.1	22.3	19.8	19.0	18.9	19.5	20.5	21.2	21.4
42.5°	334.1	110.8	25.0	20.5	18.6	17.6	17.6	18.4	19.5	20.2	20.2
45°	335.1	97.5	23.0	18.7	17.6	15.8	16.0	17.1	17.9	18.6	18.6
47.5°	336.0	86.8	20.8	16.8	15.2	14.3	14.6	15.5	16.5	17.7	17.7
50°	330.9	79.2	18.6	14.8	13.3	13.0	13.6	14.3	15.8	17.0	17.1
52.5°	318.6	72.3	16.7	13.2	12.0	12.2	12.9	13.3	14.5	14.6	14.8
55°	313.2	68.8	15.2	12.0	11.0	11.4	11.9	12.0	11.7	11.0	11.0
57.5°	312.0	66.5	13.8	10.8	10.1	10.7	10.5	9.7	8.8	7.9	7.8
60°	313.2	63.3	12.6	9.4	9.2	9.4	8.9	7.3	6.1	5.6	5.3
62.5°	306.5	58.6	11.6	8.1	8.1	7.9	6.7	5.0	4.0	3.5	3.4
65°	284.2	49.3	10.5	6.7	6.6	6.3	4.5	3.4	2.6	2.2	2.0
67.5°	240.4	38.2	9.5	5.6	5.3	4.4	2.9	2.2	1.5	1.3	1.2
70°	164.0	23.7	8.1	4.4	4.0	2.8	1.8	1.3	0.9	0.7	0.6
72.5°	59.4	13.8	6.7	3.4	2.6	1.8	1.0	0.6	0.4	0.4	0.3
75°	14.1	9.7	5.1	2.5	1.8	1.0	0.6	0.4	0.3	0.3	0.1
77.5°	6.4	7.5	3.4	1.5	1.2	0.7	0.4	0.3	0.1	0.1	0.0
80°	3.7	5.3	1.6	1.0	0.9	0.6	0.3	0.1	0.1	0.0	0.0
82.5°	1.9	2.9	1.2	0.9	0.7	0.4	0.3	0.0	0.0	0.0	0.0
85°	1.3	1.5	0.9	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.9	0.7	0.6	0.4	0.1	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)