

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: P674514

Luminaire Tested: **CCP-SA-1A-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674514
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-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R 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: 1631.7 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

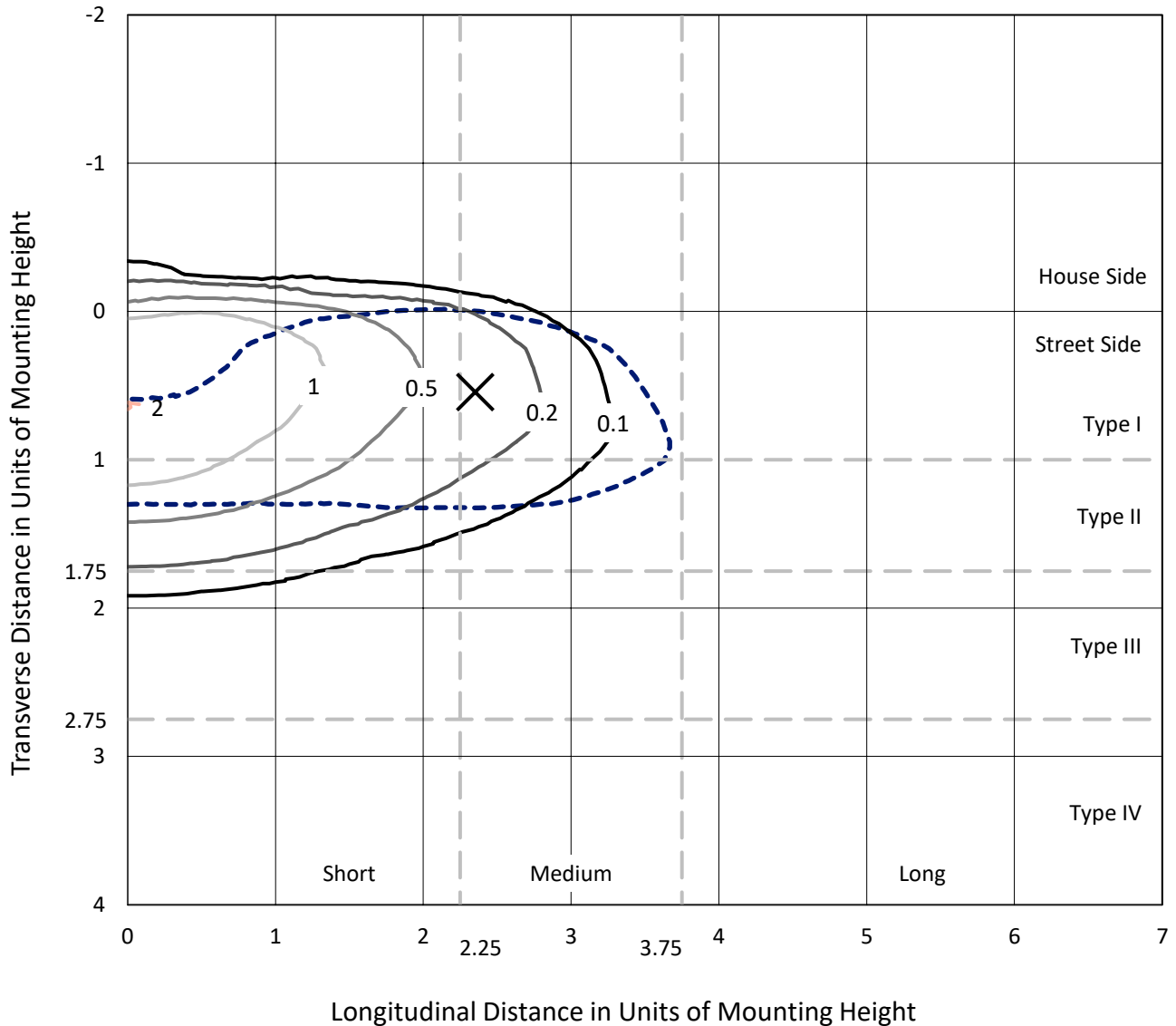
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

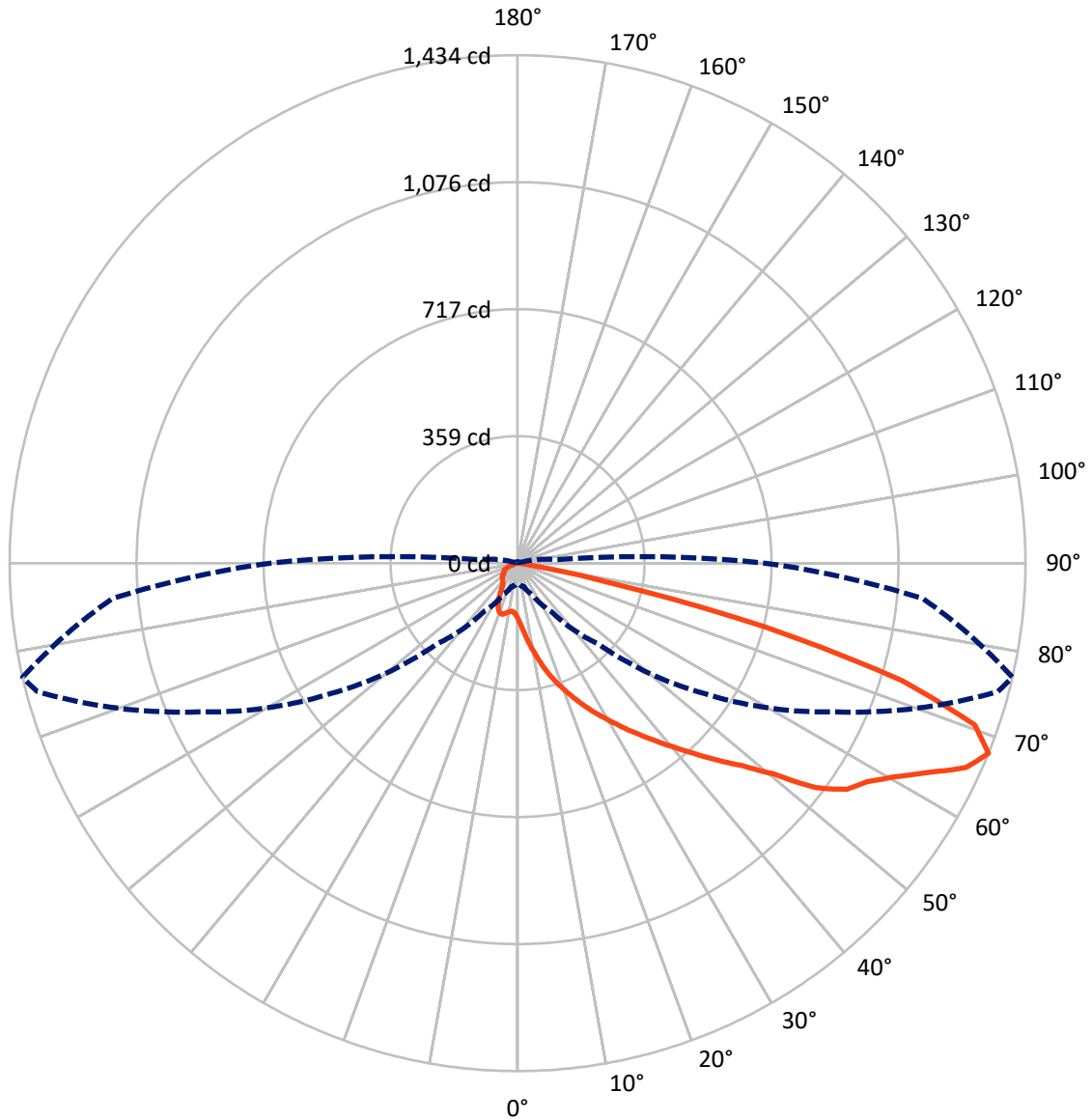
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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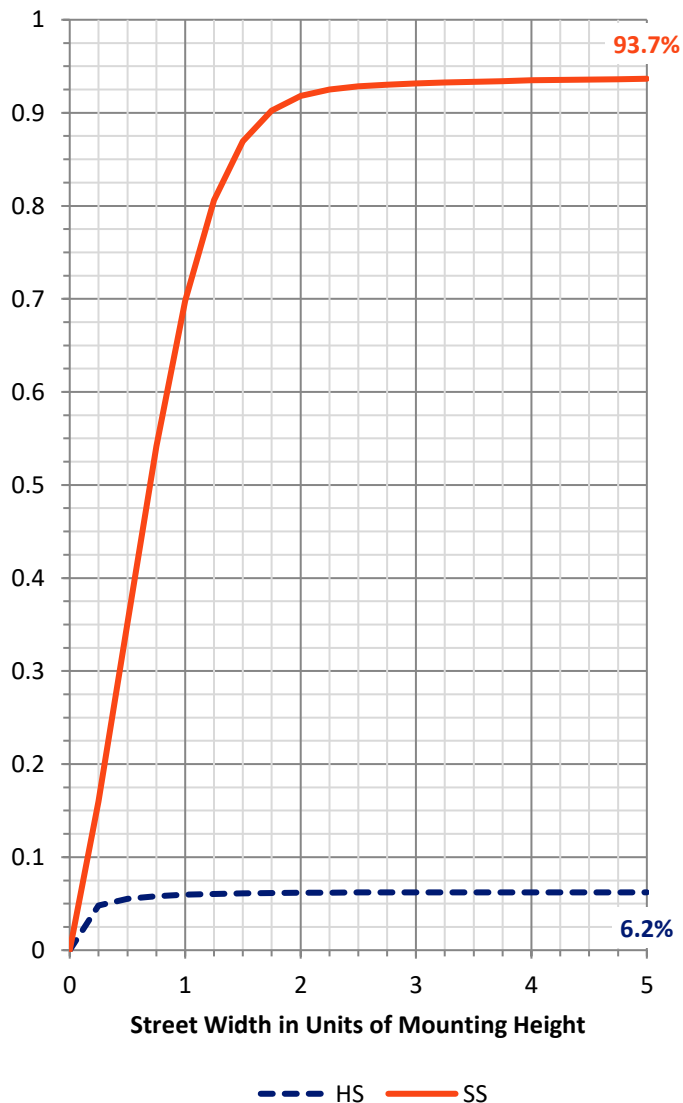
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	102.0	0.0	102.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1529.7	0.0	1529.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	1631.7	0.0	1631.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	1.1
10°-20°	67.9	4.2
20°-30°	132.7	8.1
30°-40°	232.0	14.2
40°-50°	338.4	20.7
50°-60°	395.7	24.2
60°-70°	320.7	19.7
70°-80°	120.5	7.4
80°-90°	5.5	0.3
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°	1631.7	100.0
0°-180°	1631.7	100.0

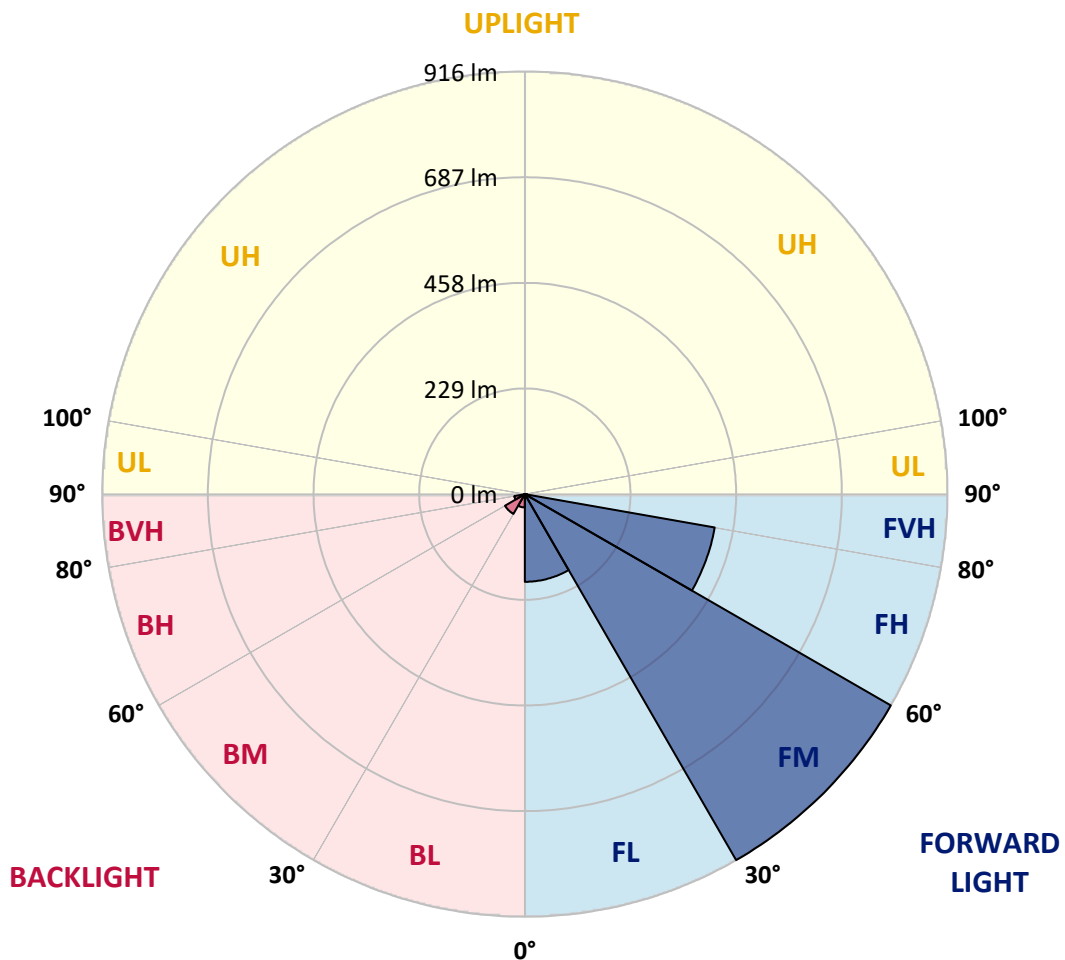


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.1	11.6			
FM (30°-60°)	916.4	56.2			
FH (60°-80°)	418.1	25.6			G0/660
FVH (80°-90°)	5.2	0.3			G0/10
BL (0°-30°)	28.9	1.8	B0/110		
BM (30°-60°)	49.6	3.0	B0/220		
BH (60°-80°)	23.1	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3
2.5°	234.7	226.1	227.7	224.2	219.6	209.0	197.8	186.6	176.6	174.4	164.4
5°	300.5	297.8	295.0	292.7	283.1	269.9	249.7	224.0	200.9	196.9	176.2
7.5°	351.6	347.6	350.1	342.9	332.9	320.1	294.5	267.1	231.4	225.5	193.3
10°	389.3	387.1	388.3	384.9	380.0	367.2	341.9	307.6	266.3	255.1	212.4
12.5°	417.6	418.0	423.2	423.5	419.5	409.1	382.2	346.5	298.0	288.0	233.6
15°	438.2	438.7	445.0	451.8	456.3	450.9	426.6	386.5	335.3	321.6	255.9
17.5°	441.6	441.9	453.1	466.8	480.9	485.7	466.9	426.3	369.3	353.7	281.3
20°	443.8	446.3	456.3	472.1	494.5	509.1	498.9	464.4	402.3	384.2	306.4
22.5°	470.6	470.6	476.5	487.7	505.5	528.4	526.3	499.5	434.4	416.4	331.3
25°	527.5	527.5	521.7	518.8	528.4	546.3	551.5	536.9	471.1	449.9	357.5
27.5°	602.8	602.8	593.8	572.1	563.9	571.4	576.8	569.5	505.0	484.0	385.2
30°	680.8	683.5	667.9	640.3	611.5	605.7	600.4	598.8	541.0	517.5	413.3
32.5°	759.2	758.9	739.5	705.1	667.4	647.1	629.9	627.9	579.3	556.2	440.0
35°	821.8	821.9	801.5	766.3	722.7	696.7	669.0	660.1	621.3	595.5	471.8
37.5°	876.0	872.9	850.8	817.4	776.7	749.9	715.4	692.0	664.8	638.6	503.6
40°	907.1	903.0	881.5	849.6	818.9	798.4	768.0	730.6	712.5	684.2	539.9
42.5°	911.7	908.1	893.8	874.7	849.5	831.5	823.4	774.2	762.6	737.0	583.2
45°	898.8	893.1	888.4	878.4	871.3	862.6	873.6	820.6	820.0	794.5	626.0
47.5°	867.0	859.2	860.4	871.4	879.4	887.2	921.7	881.5	877.9	854.1	682.3
50°	812.7	808.8	821.8	843.6	875.1	906.3	969.5	943.6	957.6	935.2	759.9
52.5°	702.2	706.9	745.6	798.1	852.6	915.3	1014.5	1036.4	1072.2	1053.8	838.0
55°	569.6	567.8	619.6	712.6	799.7	909.6	1034.1	1091.1	1147.3	1128.0	881.5
57.5°	458.8	461.9	496.8	588.9	710.0	865.3	1038.6	1119.6	1177.5	1164.7	921.7
60°	344.4	347.3	379.2	459.3	590.7	772.7	1000.9	1129.7	1234.2	1224.5	985.9
62.5°	219.2	223.0	255.0	332.9	451.5	629.0	916.2	1119.2	1293.5	1301.6	1073.5
65°	107.8	111.2	134.8	194.4	301.8	470.3	798.1	1079.3	1368.9	1392.0	1143.8
67.5°	59.7	61.3	69.4	99.0	168.4	322.6	641.4	994.0	1403.5	1434.4	1148.5
70°	46.4	46.8	49.9	57.7	82.0	189.3	456.2	852.0	1331.8	1369.2	1052.9
72.5°	39.0	39.6	41.1	43.7	51.3	98.5	286.6	658.4	1120.5	1137.5	814.6
75°	28.6	29.5	33.6	35.9	40.5	59.8	126.4	395.7	740.5	723.8	455.8
77.5°	24.0	24.7	25.8	29.2	33.4	40.8	44.3	165.9	301.4	262.1	119.6
80°	16.4	17.2	20.0	21.8	28.3	27.0	18.4	44.5	60.5	49.3	23.0
82.5°	11.6	12.4	13.8	17.8	20.5	14.3	10.0	13.6	14.6	13.8	7.5
85°	3.7	4.7	10.0	14.7	11.0	4.9	6.3	5.2	4.6	4.4	2.9
87.5°	0.7	0.7	5.0	5.9	4.4	2.5	2.2	1.6	2.1	2.1	1.6
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°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3
2.5°	159.7	153.0	143.5	134.5	125.4	118.9	114.3	109.7	108.0	107.2	105.3
5°	166.7	154.1	135.1	119.8	108.6	101.5	97.2	93.5	91.2	90.4	89.4
7.5°	176.9	158.6	131.4	113.7	102.5	94.9	87.9	80.0	73.7	71.1	70.1
10°	188.0	165.6	132.0	112.5	97.7	80.9	65.4	52.6	47.0	44.9	43.5
12.5°	204.2	173.2	134.5	111.2	83.1	57.7	41.8	36.5	35.2	34.9	34.6
15°	220.4	184.0	138.6	102.4	62.0	39.3	34.8	32.8	32.1	31.4	31.4
17.5°	236.7	194.3	140.2	85.1	42.9	34.0	31.7	30.0	28.9	28.3	27.8
20°	255.1	205.2	135.5	64.1	34.3	31.1	28.4	26.5	25.5	24.9	24.5
22.5°	275.0	215.9	125.2	44.6	31.2	28.0	25.5	23.6	22.5	21.9	21.8
25°	293.7	225.2	108.7	33.6	28.1	25.0	22.7	21.1	20.3	19.7	19.6
27.5°	313.0	233.2	87.2	29.6	25.6	22.7	20.3	19.0	18.3	17.8	17.7
30°	331.9	238.6	65.0	27.1	23.4	20.5	18.4	17.4	16.6	16.2	16.1
32.5°	351.3	241.7	43.9	24.9	21.2	18.6	16.8	15.8	15.3	14.9	14.9
35°	370.0	241.3	31.7	22.8	19.4	16.8	15.2	14.4	14.3	13.8	13.8
37.5°	390.5	238.2	27.0	20.9	17.5	15.2	13.8	13.4	13.3	13.0	12.8
40°	413.8	231.3	24.6	19.4	15.9	13.8	12.7	12.4	12.2	11.9	11.9
42.5°	439.3	222.3	23.3	17.8	14.6	12.5	11.6	11.2	11.0	10.8	10.8
45°	468.9	213.7	22.4	16.2	13.4	11.5	10.6	10.2	10.0	9.7	9.7
47.5°	509.2	208.9	20.9	14.7	12.1	10.5	9.6	9.3	9.0	8.7	8.7
50°	564.8	203.1	19.0	13.3	11.0	9.4	8.8	8.4	8.2	8.0	8.0
52.5°	610.4	190.9	17.1	11.8	9.9	8.7	8.1	7.8	7.5	7.4	7.4
55°	626.5	176.6	15.2	10.6	9.0	8.1	7.5	7.2	7.1	6.9	6.9
57.5°	652.1	172.0	13.4	9.4	8.1	7.5	6.9	6.8	6.6	6.5	6.3
60°	695.9	174.7	11.8	8.4	7.4	6.8	6.3	6.2	5.9	5.6	5.6
62.5°	738.3	171.5	10.0	7.4	6.3	6.0	5.6	5.3	4.7	4.3	4.0
65°	748.6	149.8	8.7	6.2	5.3	5.0	4.6	4.0	3.1	2.5	2.5
67.5°	698.7	113.9	7.5	5.3	4.4	4.1	3.2	2.7	1.9	1.5	1.5
70°	576.5	72.2	6.2	4.1	3.7	2.8	2.1	1.9	1.3	1.2	1.0
72.5°	416.0	39.5	5.2	3.4	2.7	1.8	1.5	1.2	0.9	0.6	0.6
75°	210.6	18.6	3.8	2.7	1.8	1.2	0.9	0.6	0.6	0.4	0.4
77.5°	59.7	8.5	2.5	1.8	1.2	0.7	0.6	0.4	0.4	0.3	0.3
80°	11.8	4.3	1.6	1.2	0.9	0.6	0.4	0.3	0.3	0.1	0.1
82.5°	4.3	2.2	1.2	0.9	0.7	0.6	0.3	0.1	0.1	0.0	0.0
85°	2.2	1.2	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0
87.5°	1.2	0.9	0.7	0.7	0.6	0.4	0.3	0.1	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)