

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: P673650

Luminaire Tested: **CCP-SA-1A-722-U-SL2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673650
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-722-U-SL2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SL2
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: 1620.5 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

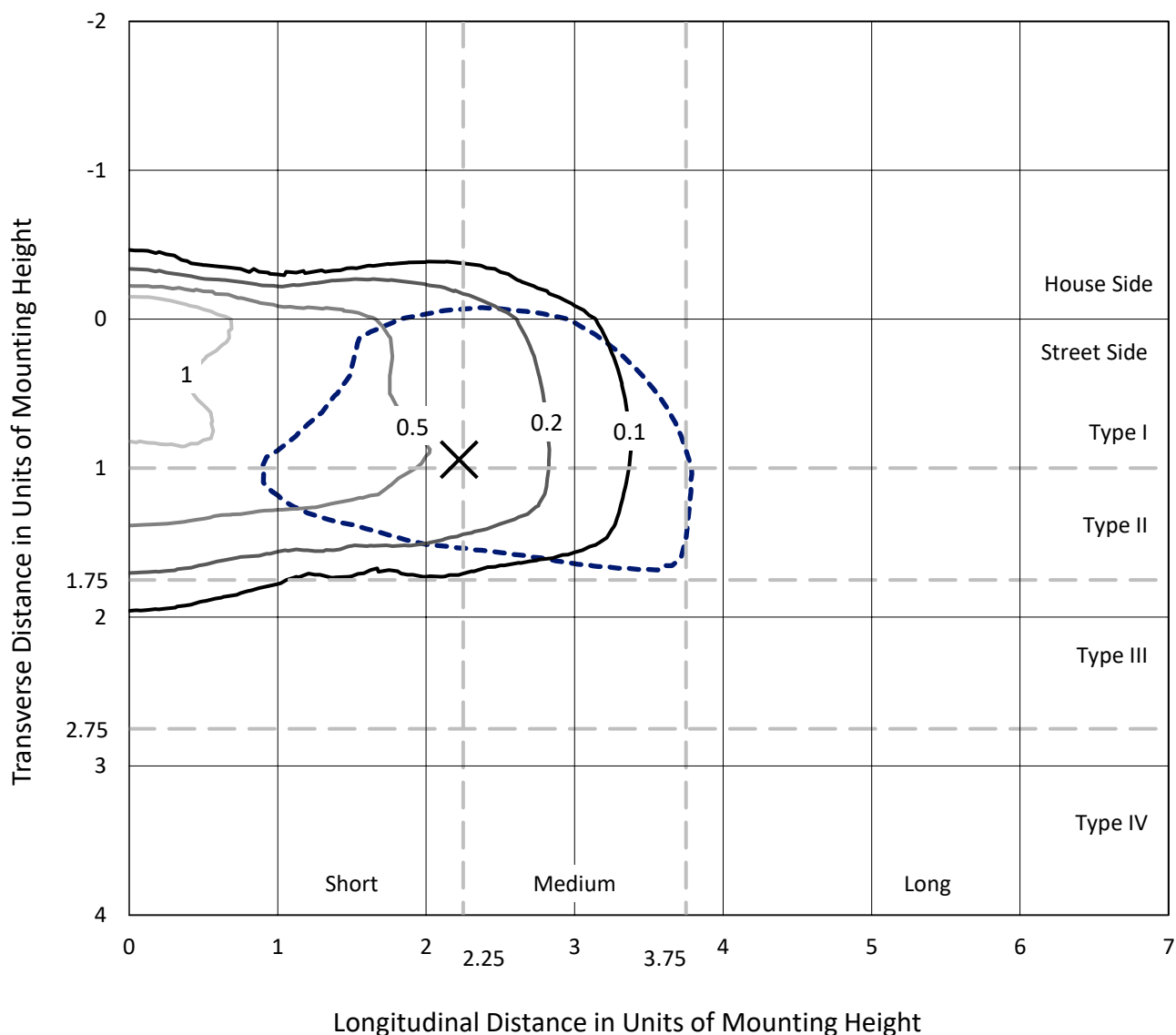
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

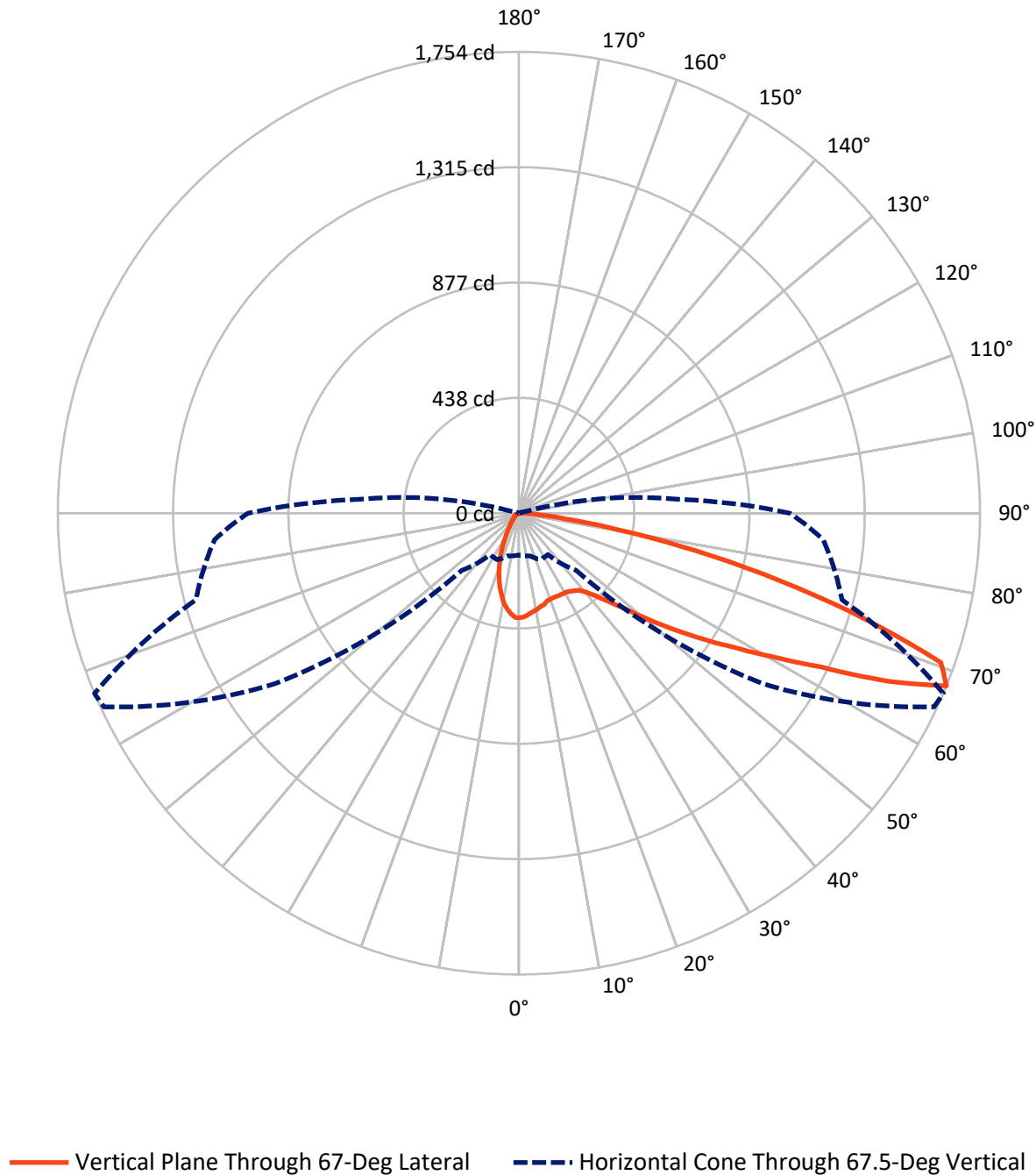


Based on 15 foot mounting height. Maximum calculated value = 1.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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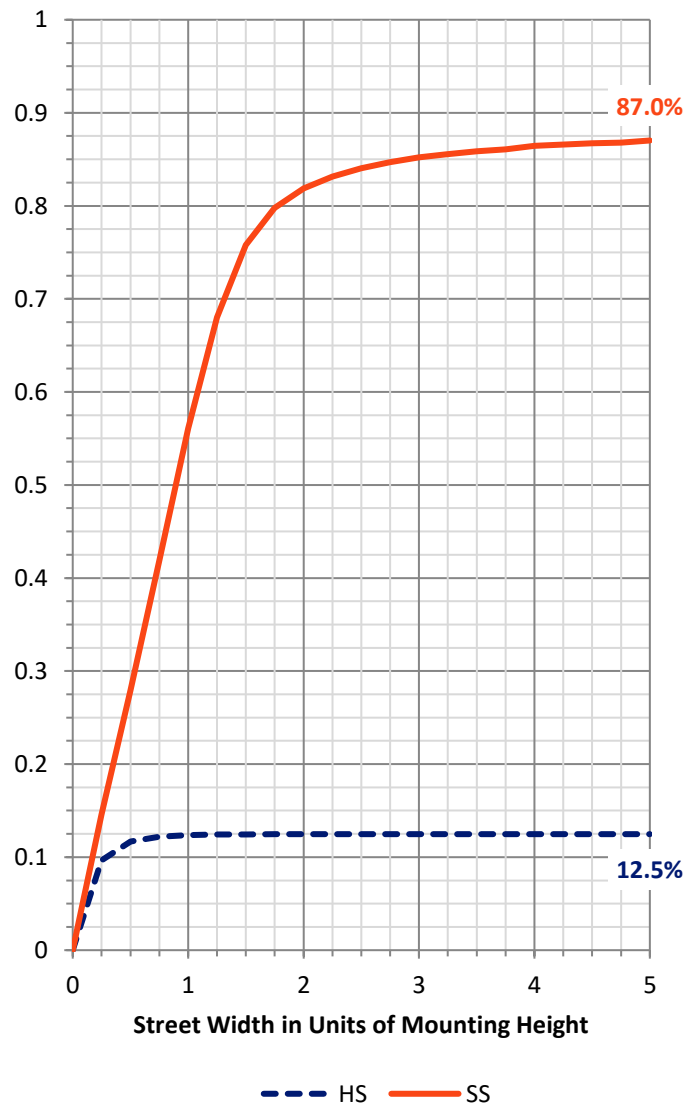
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	204.0	0.0	204.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	1416.6	0.0	1416.6
	% Fixture	87.4	0.0	87.4
Total	Lumens	1620.5	0.0	1620.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	2.1
10°-20°	74.4	4.6
20°-30°	105.8	6.5
30°-40°	154.0	9.5
40°-50°	238.4	14.7
50°-60°	365.9	22.6
60°-70°	396.6	24.5
70°-80°	223.8	13.8
80°-90°	28.1	1.7
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°	1620.5	100.0
0°-180°	1620.5	100.0

Coefficient of Utilization



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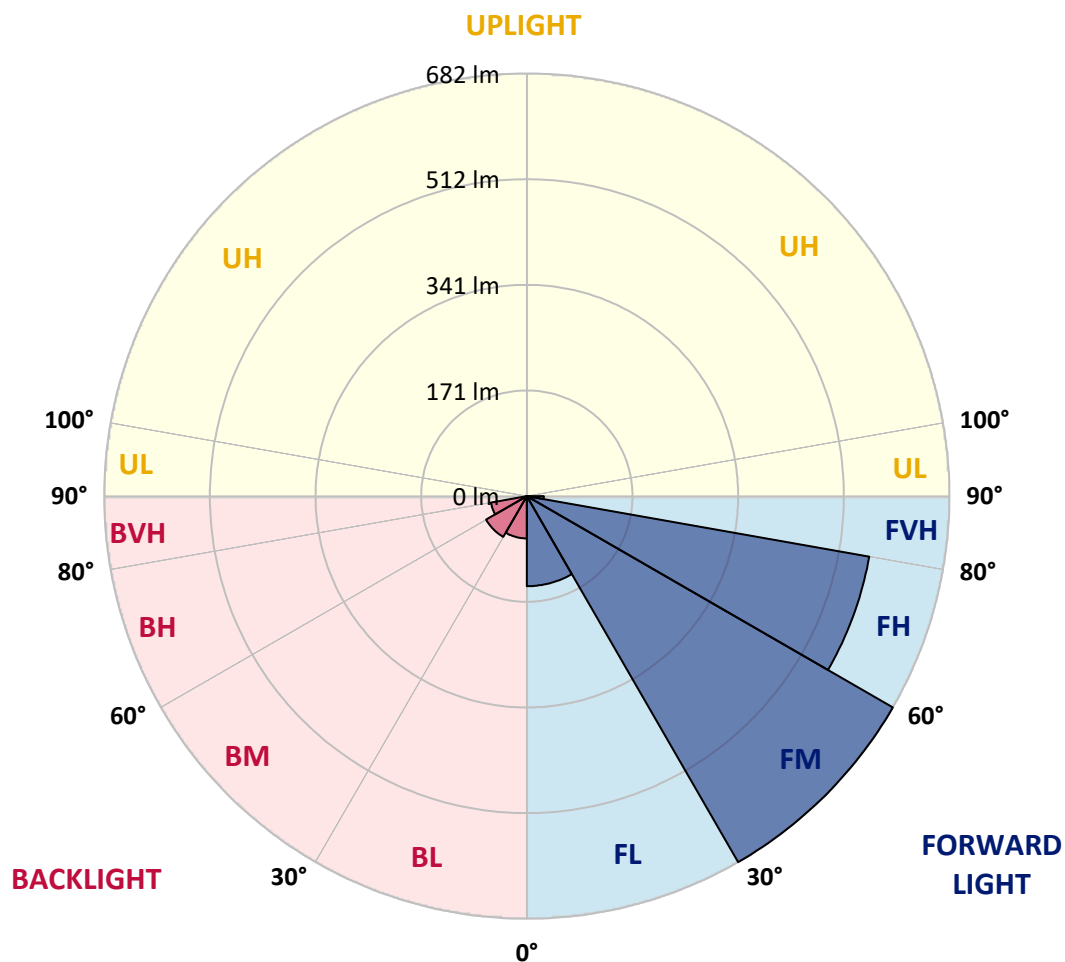
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.4	9.0			
FM	(30°-60°)	682.4	42.1			
FH	(60°-80°)	561.5	34.6			G0/660
FVH	(80°-90°)	27.3	1.7			G1/100
BL	(0°-30°)	68.3	4.2	B0/110		
BM	(30°-60°)	76.0	4.7	B0/220		
BH	(60°-80°)	58.9	3.6	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: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5
2.5°	380.3	382.3	385.0	388.9	391.6	390.1	391.2	397.9	394.4	397.5	395.9
5°	359.2	361.2	365.1	364.7	367.8	373.7	381.5	390.1	386.2	395.5	399.0
7.5°	337.4	336.6	336.6	344.8	351.4	359.6	363.9	378.0	378.4	386.6	395.1
10°	317.4	319.8	323.7	326.8	333.1	344.8	357.3	368.2	372.5	388.9	391.2
12.5°	305.3	306.5	311.2	313.9	322.1	333.5	346.7	360.8	364.3	381.1	392.4
15°	300.3	303.0	304.6	309.6	313.9	324.5	334.2	350.2	360.4	373.7	387.7
17.5°	304.2	303.0	303.8	305.3	310.4	319.8	330.3	346.3	349.9	372.1	393.2
20°	309.2	309.6	307.3	306.5	305.3	314.3	322.9	343.6	347.5	372.1	396.7
22.5°	322.9	318.6	322.9	316.7	310.4	314.3	322.5	344.0	346.7	371.7	400.2
25°	339.7	340.5	341.7	328.4	319.4	316.7	325.3	345.2	347.5	374.8	401.8
27.5°	363.5	367.0	361.2	354.5	336.6	322.9	324.9	344.4	348.7	373.3	405.7
30°	395.5	392.8	393.6	378.4	360.8	339.3	333.8	346.3	349.5	375.2	413.1
32.5°	423.3	420.1	425.6	420.1	392.4	362.7	344.4	350.2	353.8	379.9	419.4
35°	440.4	444.3	452.9	458.8	435.4	393.2	362.0	360.8	362.3	382.3	424.0
37.5°	467.0	474.0	481.0	495.9	475.6	430.7	389.7	374.5	371.7	393.6	426.4
40°	495.9	493.9	514.6	532.2	531.4	483.4	428.3	398.7	394.8	411.5	442.0
42.5°	520.1	518.1	541.2	570.1	573.2	534.1	472.5	433.0	429.5	439.3	461.1
45°	551.7	553.3	580.6	615.0	626.3	601.3	532.2	482.2	480.3	477.1	497.4
47.5°	579.8	588.4	611.9	652.5	693.5	670.8	602.5	554.1	540.4	533.4	553.7
50°	599.4	607.2	635.7	679.0	754.0	768.4	681.4	630.6	631.0	613.8	624.7
52.5°	599.4	599.0	622.0	679.0	796.1	870.3	786.8	727.0	730.2	712.2	713.0
55°	541.6	540.4	568.5	629.0	791.5	968.3	946.5	849.2	841.4	806.7	810.2
57.5°	436.1	438.9	460.4	533.0	730.5	1014.0	1136.6	986.7	960.1	888.3	888.3
60°	318.2	315.9	331.9	382.7	585.3	996.8	1292.8	1148.7	1107.0	955.8	945.7
62.5°	242.1	241.7	246.0	263.2	371.3	869.2	1360.0	1354.9	1287.0	1022.2	1007.8
65°	195.6	196.4	202.3	214.4	226.9	592.7	1324.4	1600.9	1538.8	1121.0	1073.8
67.5°	159.7	161.7	168.7	194.8	192.1	306.9	1128.0	1741.8	1753.6	1271.7	1162.4
70°	123.0	126.1	134.3	171.4	185.1	204.2	782.1	1671.6	1702.8	1365.4	1108.9
72.5°	83.6	83.2	100.7	139.0	187.0	187.0	435.4	1346.3	1376.0	1258.8	963.3
75°	45.3	48.0	66.8	105.0	171.4	180.8	247.9	985.1	1026.9	978.9	745.0
77.5°	24.6	25.0	37.1	68.7	142.5	172.6	165.6	670.0	686.4	590.4	408.0
80°	12.9	13.3	19.5	44.9	98.4	160.1	137.8	399.4	383.8	226.5	134.7
82.5°	5.9	6.2	9.8	28.1	62.9	126.1	119.1	192.9	178.0	63.3	41.0
85°	2.3	2.3	4.3	16.8	36.7	62.1	101.9	96.8	80.8	19.1	20.3
87.5°	0.8	0.8	1.2	6.6	14.8	37.1	54.3	51.2	35.1	7.0	10.9
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°	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5
2.5°	394.4	398.7	397.5	396.7	389.3	388.5	387.7	380.7	383.0	377.2	381.1
5°	396.7	399.0	392.8	381.1	370.5	358.8	349.9	343.6	332.3	328.0	327.2
7.5°	394.4	394.4	381.5	362.7	342.0	322.9	298.7	281.5	268.6	258.9	262.4
10°	391.2	386.6	373.3	340.1	302.6	273.7	239.0	213.6	194.4	188.2	184.3
12.5°	391.2	383.0	353.4	308.1	259.7	215.9	174.5	141.3	123.0	112.1	110.5
15°	387.7	375.6	338.9	278.0	217.9	158.5	111.3	82.8	67.2	62.9	61.3
17.5°	388.5	374.1	317.4	242.5	169.1	105.4	67.9	52.3	48.4	46.5	46.9
20°	390.1	374.1	298.3	207.7	121.8	65.6	46.9	44.1	42.2	41.4	41.8
22.5°	395.1	366.6	278.8	172.2	82.4	47.2	41.4	38.7	37.1	35.9	35.5
25°	395.9	365.5	260.0	137.1	56.6	39.8	36.3	33.2	31.2	29.7	29.3
27.5°	394.8	360.4	233.9	101.9	42.6	35.5	30.8	27.7	25.0	23.8	23.4
30°	399.0	351.0	211.6	73.4	35.9	30.8	26.2	22.6	20.3	18.7	18.7
32.5°	399.4	342.8	187.0	52.3	32.8	27.3	22.3	18.4	16.0	15.2	15.2
35°	399.8	335.4	159.7	39.8	29.3	23.4	18.4	15.2	13.7	12.5	12.5
37.5°	401.0	329.9	134.7	33.6	26.2	19.9	15.2	12.5	10.9	10.5	10.5
40°	403.3	322.5	108.5	29.7	22.6	16.8	12.9	10.5	9.0	8.6	8.2
42.5°	409.6	320.6	86.7	26.6	20.3	14.1	10.5	8.6	7.4	6.6	6.2
45°	435.4	325.6	67.2	24.6	17.2	11.7	9.0	7.0	5.5	5.1	4.7
47.5°	477.5	342.4	53.1	21.9	14.4	9.8	7.4	5.5	4.3	3.9	3.5
50°	541.6	380.7	43.3	19.5	12.1	8.2	5.9	4.3	3.1	2.7	2.7
52.5°	625.5	432.2	37.5	17.2	9.8	7.0	4.7	3.1	2.3	2.0	2.0
55°	711.4	493.2	35.1	14.8	8.2	5.9	3.5	2.3	1.6	1.2	1.2
57.5°	790.3	532.6	34.0	12.1	7.0	4.3	2.7	1.6	0.8	0.4	0.4
60°	839.5	561.5	30.5	9.8	5.5	3.5	2.0	0.8	0.4	0.0	0.0
62.5°	904.3	590.8	25.0	7.4	3.9	2.3	1.2	0.4	0.0	0.0	0.0
65°	989.8	623.6	19.5	5.9	3.1	1.6	0.8	0.4	0.0	0.0	0.0
67.5°	1030.8	606.4	13.3	4.3	2.0	0.8	0.4	0.0	0.0	0.0	0.0
70°	948.8	510.7	9.4	3.1	1.2	0.4	0.4	0.0	0.0	0.0	0.0
72.5°	797.7	400.2	7.0	2.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0
75°	588.0	250.3	5.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	312.0	93.3	3.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	92.1	27.3	2.7	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.5	8.2	1.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.6	3.1	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.0	1.2	0.8	0.8	0.4	0.0	0.0	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)