

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: P671202

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671202
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
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL2
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.4 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

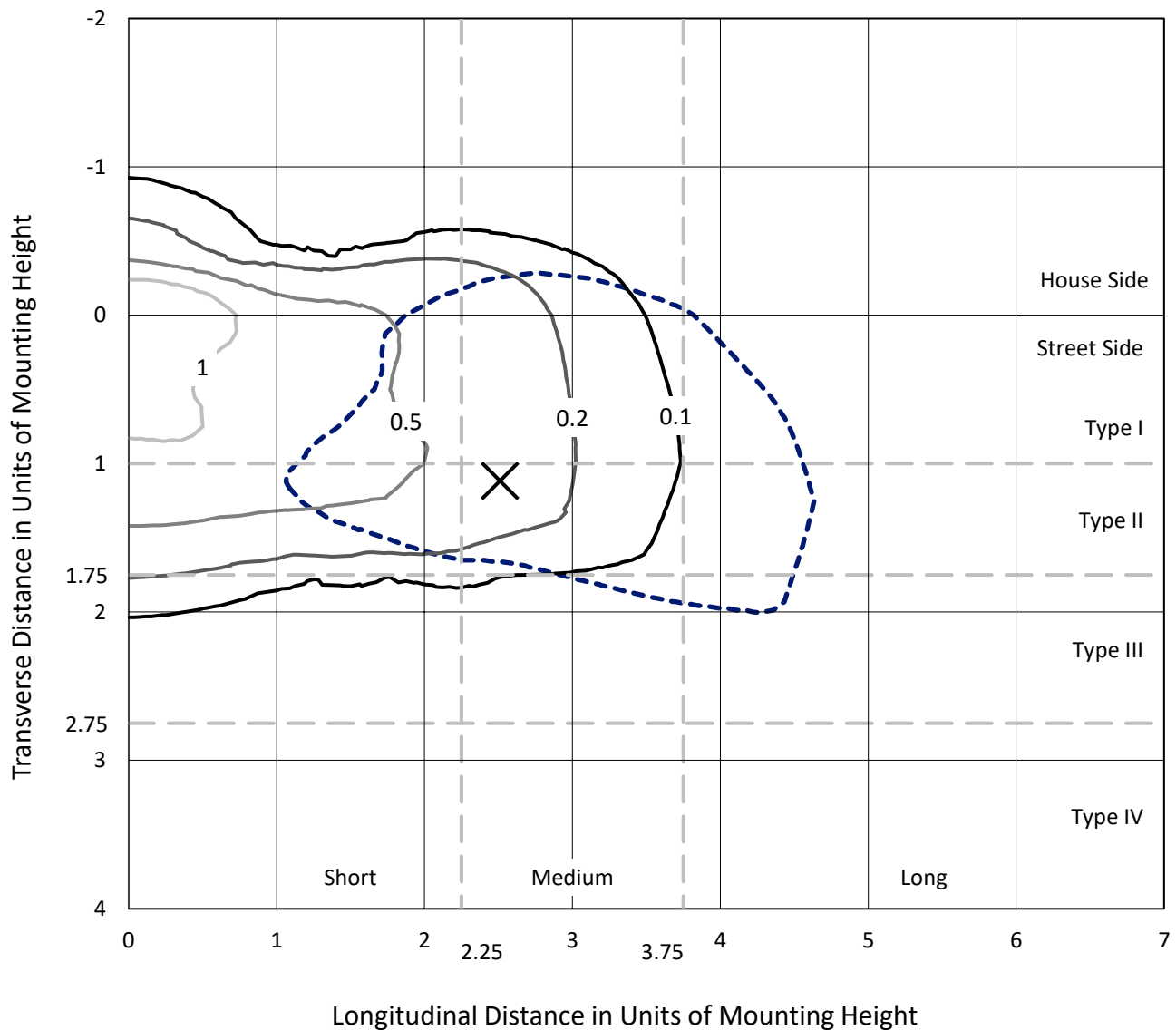
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

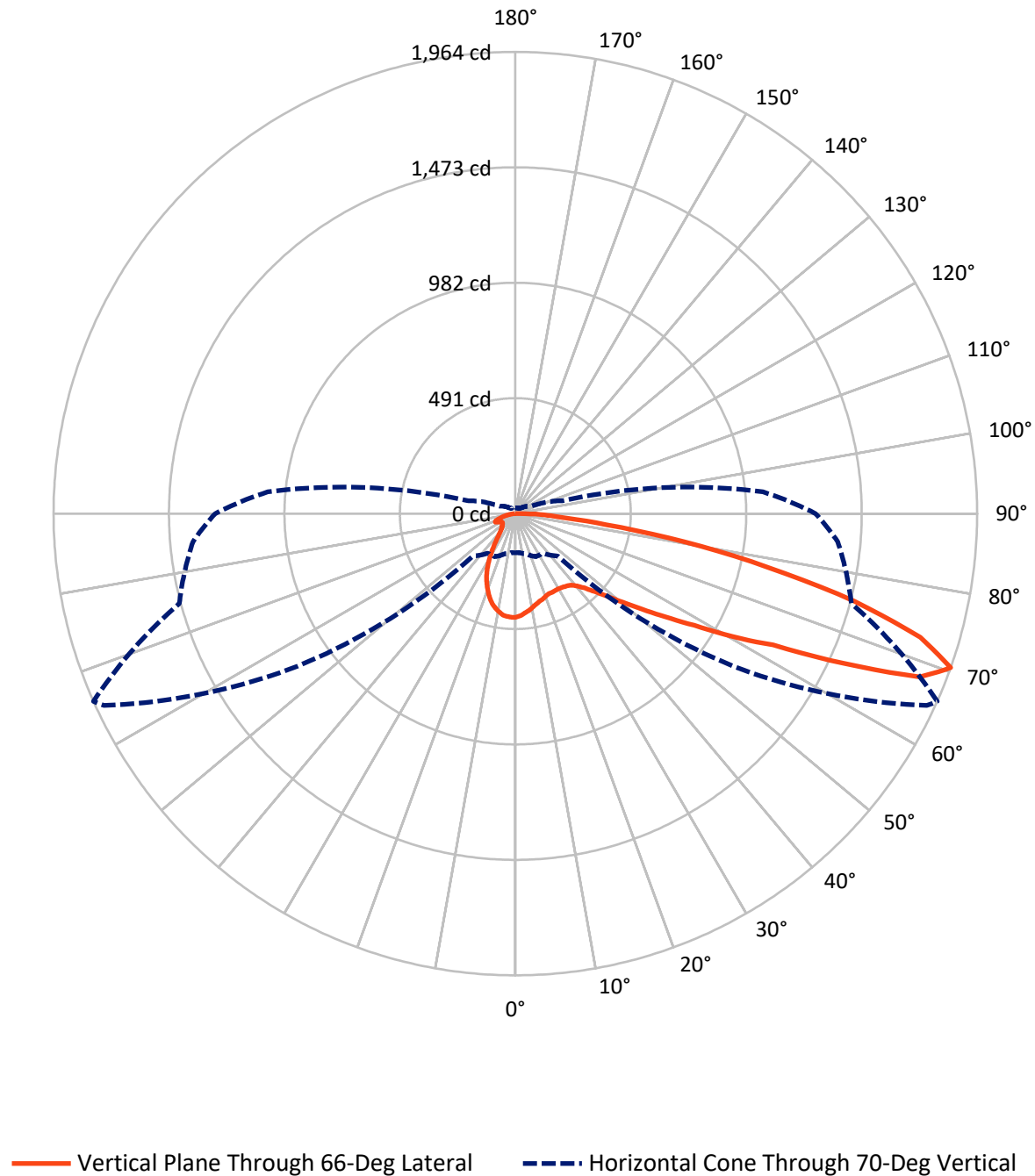
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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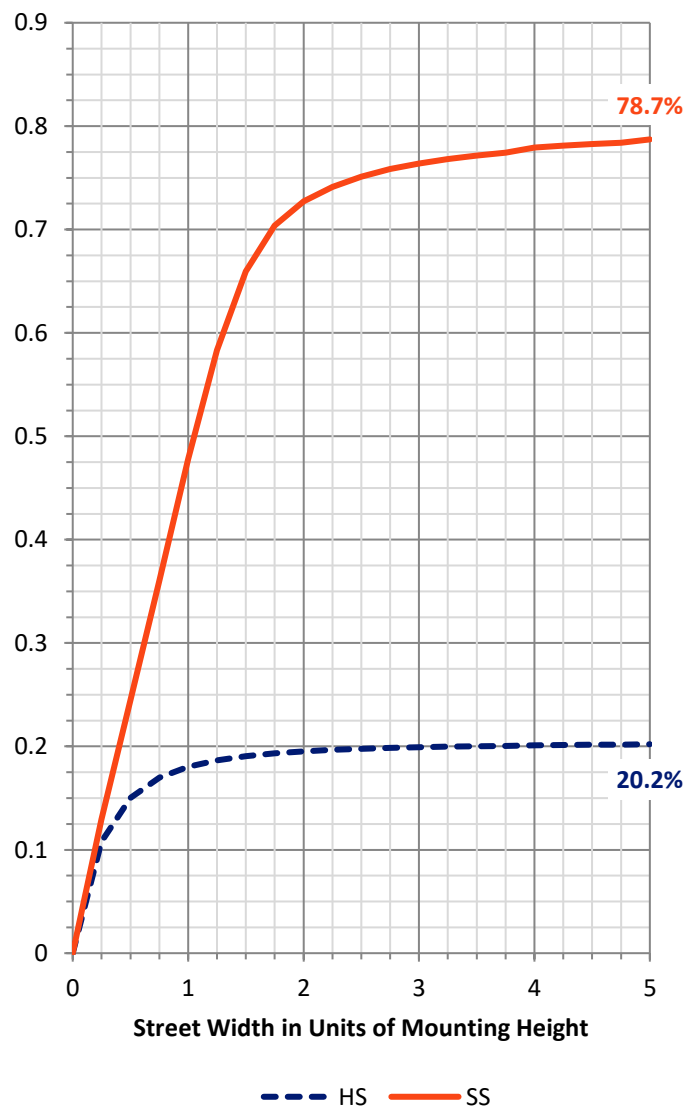
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.2	0.0	408.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1586.2	0.0	1586.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	1994.4	0.0	1994.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	2.0
10°-20°	95.9	4.8
20°-30°	131.7	6.6
30°-40°	176.6	8.9
40°-50°	256.2	12.8
50°-60°	389.5	19.5
60°-70°	481.0	24.1
70°-80°	357.7	17.9
80°-90°	66.7	3.3
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°	1994.4	100.0
0°-180°	1994.4	100.0

Coefficient of Utilization



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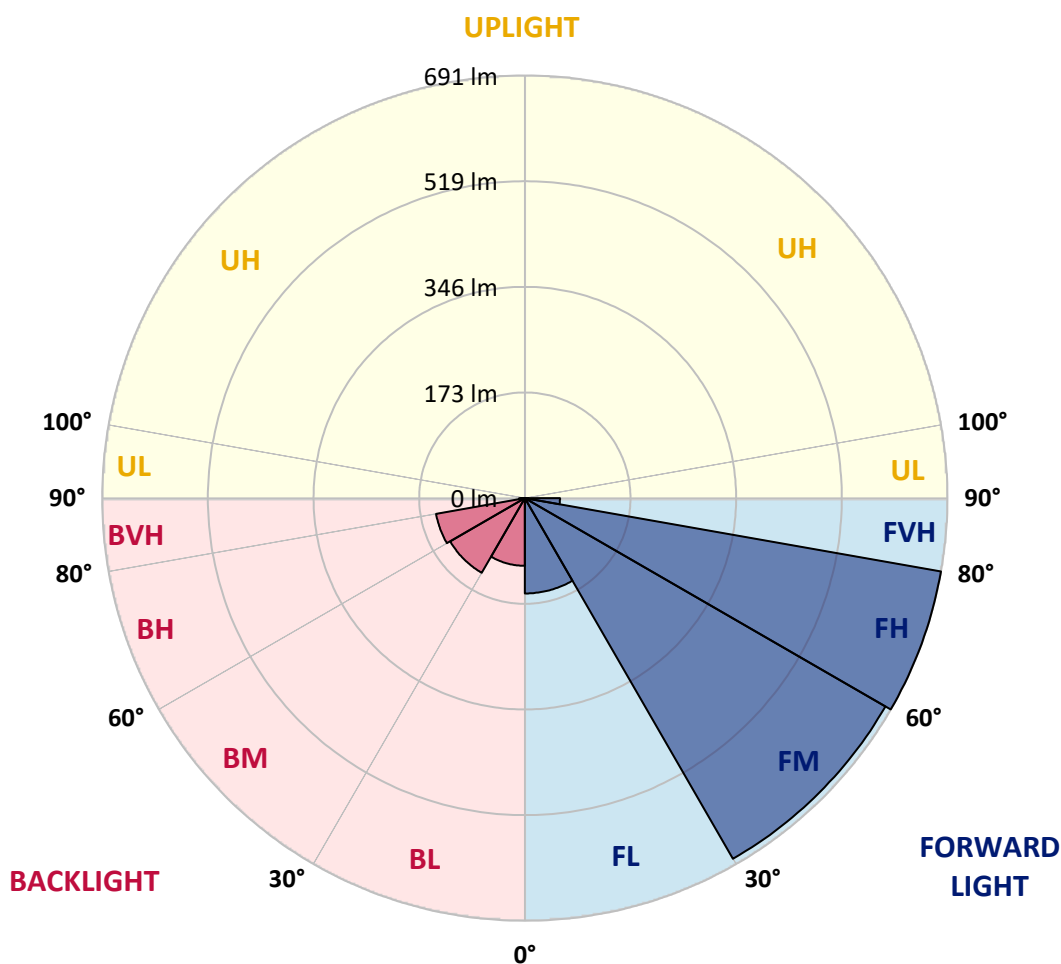
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.0	7.8			
FM	(30°-60°)	681.3	34.2			
FH	(60°-80°)	691.4	34.7			G1/1800
FVH	(80°-90°)	57.5	2.9			G1/100
BL	(0°-30°)	110.6	5.5	B1/500		
BM	(30°-60°)	141.0	7.1	B0/220		
BH	(60°-80°)	147.4	7.4	B1/500		G1/500
BVH	(80°-90°)	9.2	0.5			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6
2.5°	419.1	421.3	422.1	423.6	427.3	430.2	434.7	436.9	434.7	437.7	437.7
5°	390.2	387.2	394.6	397.6	402.1	408.0	418.4	426.5	424.3	433.2	440.6
7.5°	365.7	365.7	367.9	374.6	379.8	388.7	399.8	412.4	416.2	428.0	439.1
10°	343.5	346.4	346.4	356.8	359.8	370.2	388.7	404.3	405.0	425.1	440.6
12.5°	331.6	330.1	337.5	340.5	349.4	359.8	374.6	393.9	394.6	416.2	437.7
15°	321.9	323.4	327.1	334.6	342.7	350.9	365.0	382.8	386.5	411.7	436.2
17.5°	322.7	323.4	323.4	328.6	335.3	344.9	358.3	379.1	381.3	405.8	434.0
20°	327.1	324.2	326.4	328.6	333.1	342.0	353.1	370.9	373.1	405.0	439.1
22.5°	336.8	334.6	333.8	333.1	332.3	337.5	351.6	366.4	368.7	401.3	441.4
25°	352.4	351.6	346.4	341.2	337.5	337.5	348.6	370.2	369.4	401.3	442.9
27.5°	370.9	370.9	370.2	360.5	349.4	343.5	350.9	368.7	367.9	401.3	446.6
30°	396.1	396.1	393.9	385.0	365.0	347.9	352.4	367.2	369.4	398.3	443.6
32.5°	423.6	422.8	425.1	416.9	396.1	368.7	361.3	370.2	372.4	401.3	444.3
35°	443.6	448.0	455.5	448.0	427.3	390.2	373.9	376.1	377.6	402.1	447.3
37.5°	466.6	471.8	482.2	488.1	465.9	422.8	393.9	385.7	385.7	411.7	448.0
40°	500.0	494.8	512.6	523.0	514.1	462.9	425.1	403.5	404.3	424.3	457.7
42.5°	524.5	529.6	548.2	566.7	555.6	511.8	459.2	432.5	432.5	442.9	472.5
45°	551.9	557.8	583.8	606.1	614.2	570.4	505.9	474.0	472.5	479.2	499.2
47.5°	582.3	590.5	620.1	646.1	667.6	631.3	566.0	524.5	523.7	528.9	543.7
50°	617.2	620.1	644.6	692.1	735.1	712.1	639.4	595.7	592.0	594.2	614.2
52.5°	627.6	625.3	653.5	704.7	783.3	810.8	739.6	676.5	675.0	669.8	695.8
55°	589.7	597.1	624.6	689.9	822.7	927.3	849.4	787.1	773.7	759.6	790.8
57.5°	514.1	514.8	546.0	623.1	792.2	1023.7	1035.6	895.4	896.1	858.3	893.9
60°	399.8	397.6	422.1	491.8	705.5	1053.4	1238.8	1068.2	1060.8	956.9	989.6
62.5°	288.6	284.1	289.3	330.1	527.4	1008.1	1438.4	1261.8	1230.6	1057.8	1083.0
65°	237.4	239.6	241.8	244.1	296.0	831.6	1499.9	1577.8	1536.3	1175.8	1186.1
67.5°	196.6	198.1	207.7	221.1	219.6	491.1	1428.7	1870.1	1854.5	1321.9	1275.2
70°	166.9	166.2	177.3	201.8	205.5	255.2	1131.2	1930.2	1963.5	1479.2	1376.0
72.5°	133.5	135.0	144.7	177.3	201.8	215.1	651.3	1801.1	1800.4	1600.1	1321.9
75°	95.7	95.7	109.0	146.9	195.1	212.9	360.5	1462.1	1489.5	1503.6	1146.8
77.5°	63.1	66.0	76.4	109.8	183.2	208.4	228.5	1063.0	1097.1	1124.6	877.6
80°	43.0	44.5	51.2	76.4	155.0	209.9	186.9	715.1	728.4	620.9	356.1
82.5°	26.0	26.7	34.1	53.4	111.3	199.5	175.8	394.6	386.5	187.7	102.4
85°	14.1	14.8	21.5	35.6	73.4	174.3	172.8	193.6	180.3	69.0	43.0
87.5°	5.2	5.2	9.6	17.8	42.3	119.4	150.6	115.0	107.6	34.9	20.0
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°	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6
2.5°	441.4	441.4	441.4	441.4	440.6	437.7	439.9	439.1	434.7	435.4	432.5
5°	439.9	443.6	441.4	438.4	434.7	425.8	422.8	420.6	414.7	412.4	414.7
7.5°	443.6	440.6	439.1	434.0	419.1	411.0	400.6	388.0	379.1	376.8	379.1
10°	442.9	442.9	436.2	421.3	407.2	383.5	370.2	347.9	335.3	331.6	332.3
12.5°	439.9	442.1	431.7	408.0	381.3	352.4	327.9	304.1	281.9	273.0	271.5
15°	442.9	440.6	422.1	391.7	354.6	314.5	278.9	244.1	223.3	209.9	207.0
17.5°	438.4	436.2	409.5	369.4	319.7	268.5	224.0	186.2	165.4	160.2	160.2
20°	443.6	429.5	394.6	342.7	283.4	218.1	167.6	139.5	134.3	134.3	135.7
22.5°	442.9	428.0	382.0	316.7	239.6	164.7	124.6	116.5	117.2	123.1	122.4
25°	438.4	425.1	364.2	287.8	193.6	123.9	103.1	100.9	106.1	112.8	112.0
27.5°	437.7	416.9	347.9	253.7	147.6	97.9	89.8	89.8	95.0	100.9	100.1
30°	433.2	410.2	327.9	215.1	111.3	85.3	82.3	82.3	84.6	87.5	87.5
32.5°	432.5	401.3	305.6	175.1	89.0	77.1	75.7	76.4	76.4	77.9	77.1
35°	426.5	389.4	282.6	135.7	77.1	72.7	71.2	70.5	70.5	69.7	69.7
37.5°	424.3	382.0	258.9	105.3	72.0	69.0	67.5	65.3	64.5	64.5	63.8
40°	426.5	374.6	235.9	85.3	67.5	66.0	63.8	60.8	60.1	60.1	60.1
42.5°	434.7	373.9	212.2	74.2	65.3	63.1	60.1	57.1	56.4	57.1	56.4
45°	453.2	379.8	189.2	69.0	62.3	60.1	56.4	54.2	53.4	54.2	54.2
47.5°	483.7	396.1	168.4	66.0	60.1	57.1	53.4	51.2	51.2	51.2	51.2
50°	534.1	427.3	148.4	63.8	58.6	54.9	51.2	48.2	47.5	47.5	48.2
52.5°	609.8	480.7	132.0	62.3	56.4	51.9	48.2	46.0	44.5	43.8	44.5
55°	701.0	558.6	126.8	60.8	53.4	49.7	46.0	43.0	41.5	41.5	40.8
57.5°	798.9	644.6	135.7	59.3	51.2	46.7	43.0	40.1	38.6	37.8	37.8
60°	905.0	746.3	168.4	58.6	49.0	43.8	40.1	37.8	35.6	34.9	34.9
62.5°	1001.4	838.2	227.0	57.9	47.5	40.8	37.1	34.1	32.6	31.9	31.9
65°	1111.2	940.6	284.1	60.8	46.7	38.6	34.1	31.2	29.7	28.9	28.9
67.5°	1206.9	1029.6	317.5	68.2	49.0	35.6	30.4	28.2	27.4	26.7	26.7
70°	1276.6	1057.1	212.9	74.9	52.7	33.4	27.4	26.0	24.5	24.5	24.5
72.5°	1183.2	943.6	126.1	70.5	49.7	31.2	24.5	23.0	22.3	22.3	21.5
75°	1011.8	803.4	97.2	57.1	40.1	26.7	21.5	20.0	19.3	19.3	18.5
77.5°	747.0	575.6	72.0	45.2	31.2	21.5	18.5	17.8	17.1	16.3	16.3
80°	292.3	252.2	49.0	33.4	23.0	17.1	15.6	14.8	14.1	13.4	13.4
82.5°	90.5	76.4	28.2	22.3	16.3	13.4	12.6	11.9	11.1	10.4	10.4
85°	39.3	37.8	18.5	14.1	11.1	8.9	8.9	8.2	7.4	6.7	6.7
87.5°	19.3	18.5	10.4	6.7	5.9	4.5	4.5	3.7	3.0	3.0	3.0
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)