

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: P671922

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671922
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
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.6 lumens
Efficiency: N/A
Efficacy: 113.0 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

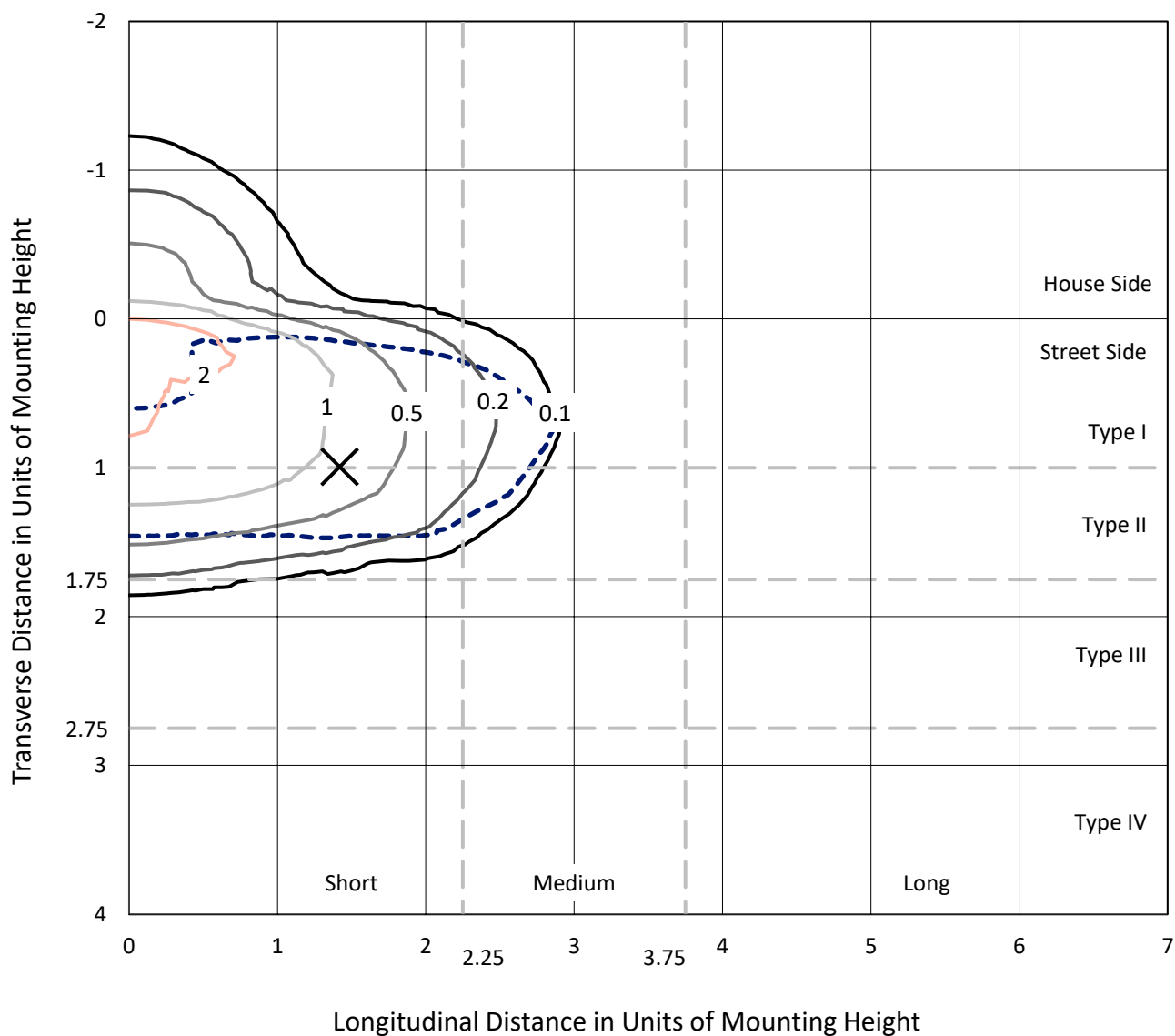
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

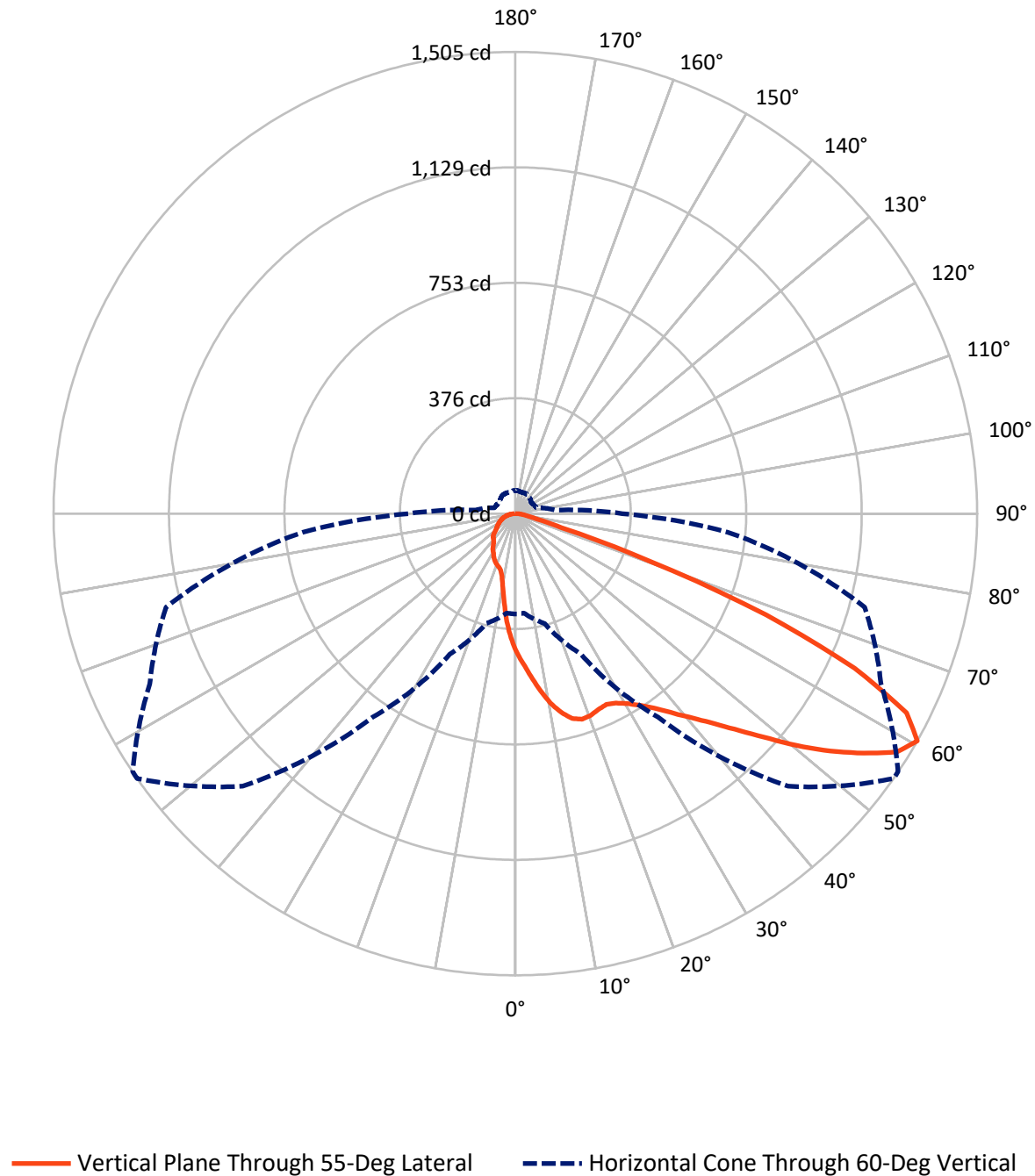


Based on 15 foot mounting height. Maximum calculated value = 2.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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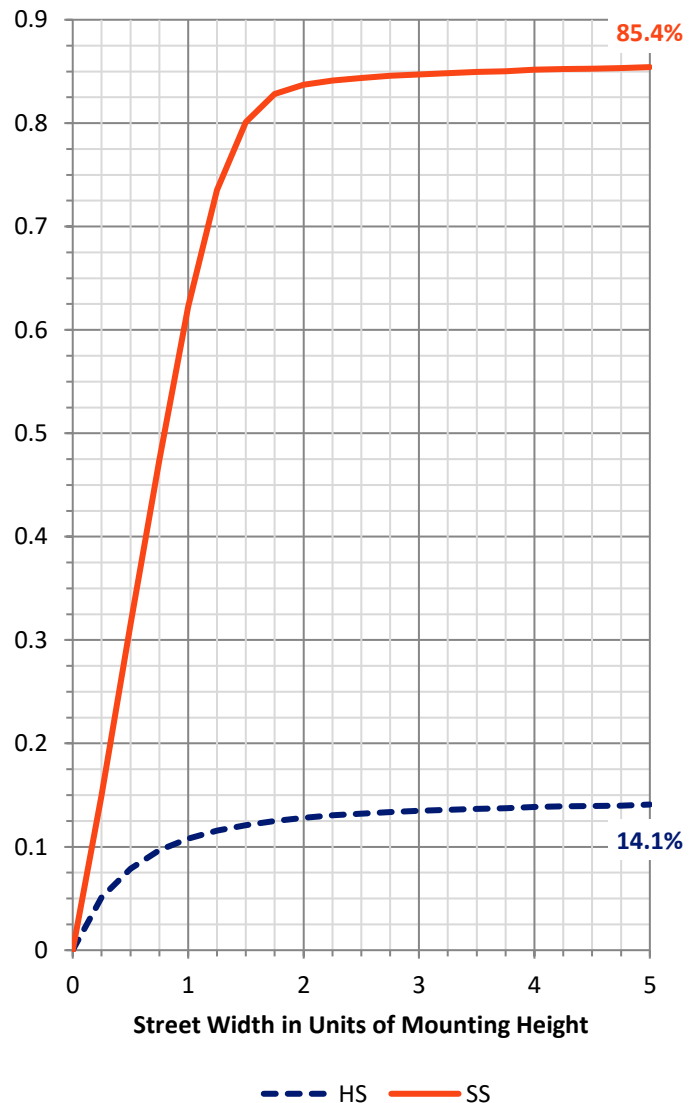
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.3	0.0	292.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1741.3	0.0	1741.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	2033.6	0.0	2033.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	2.1
10°-20°	119.6	5.9
20°-30°	194.7	9.6
30°-40°	291.0	14.3
40°-50°	427.7	21.0
50°-60°	501.3	24.6
60°-70°	330.5	16.3
70°-80°	105.2	5.2
80°-90°	21.4	1.1
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°	2033.6	100.0
0°-180°	2033.6	100.0



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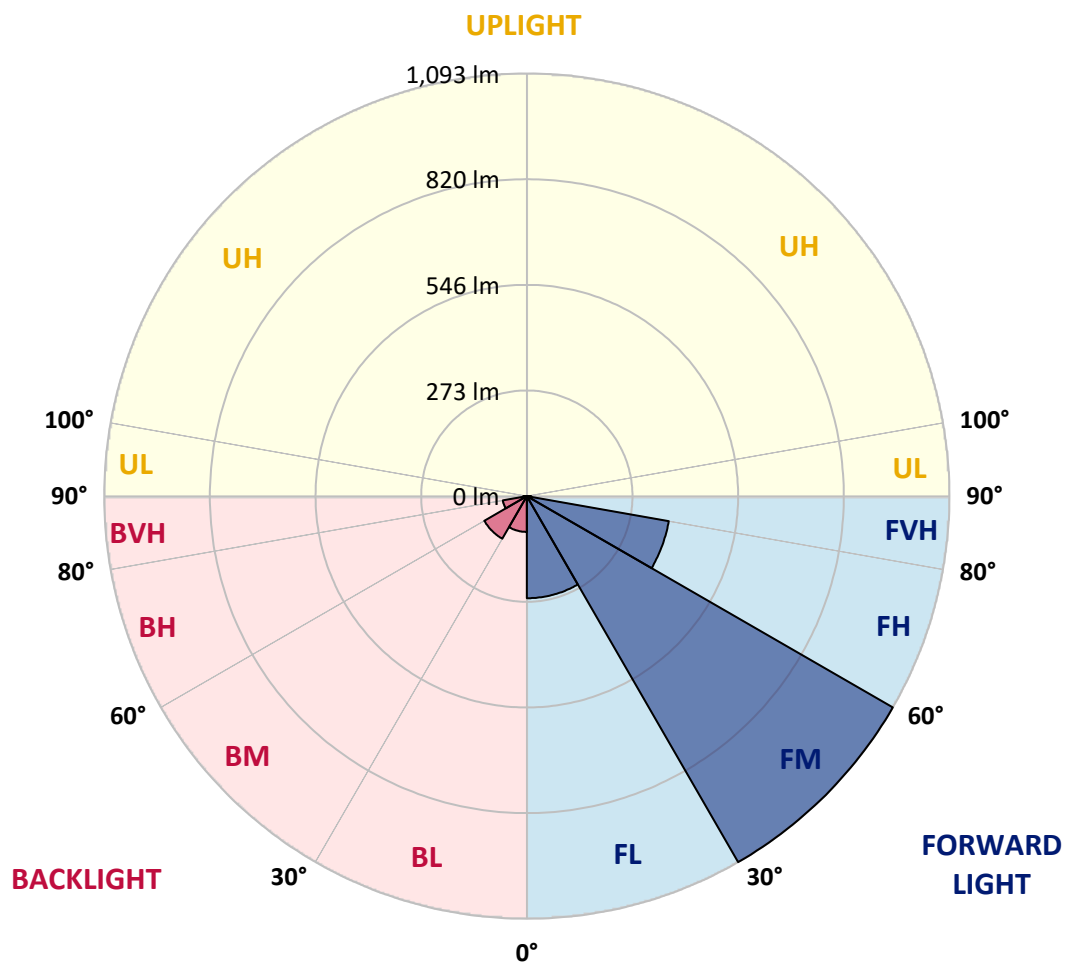
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.9	13.0			
FM	(30°-60°)	1092.9	53.7			
FH	(60°-80°)	372.7	18.3			G0/660
FVH	(80°-90°)	11.7	0.6			G1/100
BL	(0°-30°)	92.5	4.6	B0/110		
BM	(30°-60°)	127.1	6.2	B0/220		
BH	(60°-80°)	63.1	3.1	B0/110		G0/110
BVH	(80°-90°)	9.7	0.5			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°	56°	65°	75°	85°
0°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	524.9	522.9	522.9	518.1	510.9	500.8	488.9	485.9	481.4	469.7	454.7
5°	604.9	602.8	600.0	591.5	578.1	558.0	532.8	528.2	511.9	487.9	460.7
7.5°	657.8	656.6	655.7	648.4	635.1	615.4	581.6	576.4	548.7	508.9	466.5
10°	652.4	655.9	662.1	667.2	669.9	659.7	628.0	622.0	587.6	533.4	475.0
12.5°	601.2	606.2	617.7	638.8	663.1	682.7	664.7	661.3	629.2	559.3	485.8
15°	563.2	565.2	570.8	586.5	622.7	675.1	693.2	690.1	668.0	592.7	498.2
17.5°	551.4	552.3	553.6	558.8	583.5	645.1	704.8	707.8	705.6	627.3	512.2
20°	557.3	557.9	558.0	558.9	570.7	620.1	701.7	706.7	738.6	661.9	526.0
22.5°	580.0	579.2	578.2	574.8	581.5	615.7	693.5	701.4	764.1	693.5	538.9
25°	619.6	618.6	611.4	604.3	607.1	631.6	689.1	697.6	784.0	723.2	548.3
27.5°	666.8	665.8	658.4	645.0	642.0	658.1	699.4	704.7	798.6	749.6	552.4
30°	715.7	715.7	706.6	691.1	681.7	688.5	718.4	722.7	809.6	775.1	555.1
32.5°	769.1	770.6	756.4	738.7	728.3	724.3	745.1	748.7	825.7	805.2	560.7
35°	837.6	834.4	817.1	793.8	777.0	768.1	778.1	782.4	849.3	842.6	569.7
37.5°	914.7	909.0	887.7	859.9	830.5	815.5	822.1	823.2	884.2	891.4	586.0
40°	978.4	977.3	959.4	933.0	896.0	875.8	872.6	873.1	932.7	949.2	610.8
42.5°	1032.0	1028.2	1025.0	1015.7	976.5	943.3	930.0	930.2	985.3	1008.9	635.7
45°	1055.8	1055.0	1064.6	1088.5	1060.3	1021.3	1002.4	1005.1	1045.6	1070.2	659.7
47.5°	1045.6	1046.2	1071.8	1134.5	1151.1	1121.2	1087.7	1086.1	1104.0	1117.2	680.9
50°	954.8	964.4	1033.8	1138.7	1210.7	1225.6	1187.8	1181.8	1155.1	1154.7	693.9
52.5°	886.3	885.8	928.4	1095.3	1231.7	1319.7	1285.8	1272.3	1197.4	1175.7	694.9
55°	793.7	793.1	824.8	968.1	1189.9	1385.5	1378.3	1361.3	1236.2	1182.7	687.9
57.5°	601.1	612.3	643.8	775.0	1057.2	1375.0	1466.5	1452.4	1274.0	1179.6	686.5
60°	327.1	325.7	371.4	505.1	809.5	1256.2	1505.0	1504.3	1314.3	1178.4	694.7
62.5°	150.8	149.3	158.4	224.9	464.1	1006.4	1430.7	1441.3	1351.6	1167.6	693.9
65°	112.8	108.9	96.5	104.6	177.6	600.8	1215.2	1243.5	1294.1	1123.4	661.8
67.5°	100.5	96.8	82.4	77.2	89.2	211.9	881.5	907.6	1082.1	1040.6	609.8
70°	92.1	88.9	74.4	66.3	66.9	93.9	461.5	512.8	793.1	868.4	519.7
72.5°	84.0	81.2	68.1	58.4	56.3	62.1	157.3	189.7	493.3	632.9	387.5
75°	75.5	72.8	61.3	52.3	48.3	46.0	74.9	80.6	260.9	349.5	208.0
77.5°	65.6	64.1	54.7	46.1	42.7	34.8	49.8	52.3	111.7	137.2	99.0
80°	57.0	55.9	48.8	41.9	38.3	26.8	34.3	36.1	55.1	68.5	55.4
82.5°	37.1	40.1	40.4	36.0	33.8	21.5	22.7	24.0	36.6	40.4	24.2
85°	15.3	18.6	27.9	24.8	23.4	18.3	15.0	15.3	22.4	23.6	8.7
87.5°	6.9	7.7	13.7	13.9	12.1	6.9	7.5	8.3	11.5	11.3	3.8
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°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
2.5°	450.6	443.8	431.7	416.2	405.2	397.1	388.2	381.7	374.5	368.2	369.2
5°	449.5	436.4	409.3	380.6	352.6	329.6	310.4	296.3	281.7	275.9	275.2
7.5°	450.4	428.2	383.7	336.6	294.0	264.7	242.5	229.0	220.6	215.8	216.1
10°	450.1	420.4	355.9	291.1	244.5	217.7	204.1	199.7	199.0	199.6	200.5
12.5°	450.6	409.7	324.8	250.1	209.0	195.3	195.9	199.9	202.4	204.0	205.0
15°	452.5	401.1	293.0	217.8	190.4	190.9	197.2	203.4	207.1	208.9	209.7
17.5°	455.3	390.1	264.7	193.4	182.6	189.4	197.7	204.3	207.1	208.1	208.9
20°	455.6	377.6	236.1	176.6	177.5	186.3	193.5	198.8	202.4	203.5	204.1
22.5°	454.3	360.7	206.8	164.3	171.6	180.4	186.6	192.6	187.9	184.1	183.1
25°	448.7	339.3	181.7	154.3	164.2	172.4	179.5	172.9	170.7	167.7	168.0
27.5°	436.6	312.6	158.2	144.9	155.5	167.3	162.1	161.2	158.4	155.5	155.5
30°	420.7	284.5	138.4	135.0	145.0	150.9	152.1	150.8	149.2	145.3	145.6
32.5°	406.4	254.7	124.4	126.8	138.4	138.4	143.6	143.6	137.7	126.9	126.9
35°	392.2	226.7	114.1	119.8	127.5	130.0	137.1	127.8	119.4	114.5	114.2
37.5°	381.2	202.8	107.3	113.9	116.9	123.2	123.4	116.6	113.8	109.4	108.9
40°	374.7	182.8	103.2	111.0	111.3	117.2	107.4	109.4	108.8	105.4	104.9
42.5°	371.1	167.3	100.1	108.5	107.0	101.3	99.5	102.7	103.8	102.0	101.3
45°	368.3	155.2	97.6	99.8	103.6	93.2	92.4	94.9	97.1	97.0	96.4
47.5°	366.9	146.8	95.4	94.3	95.1	88.3	86.8	88.0	90.8	92.6	92.4
50°	361.1	140.3	92.1	88.7	84.0	84.0	83.3	83.3	86.7	90.2	90.5
52.5°	350.9	132.7	87.4	83.4	78.0	80.3	80.6	80.0	83.6	87.4	87.7
55°	339.7	126.9	81.1	78.6	73.0	76.9	78.3	77.7	80.0	82.7	82.5
57.5°	339.9	126.8	75.6	73.7	68.2	72.7	75.9	76.1	75.9	77.8	77.8
60°	348.4	129.7	71.3	67.2	62.8	68.1	73.4	73.4	72.4	75.2	75.5
62.5°	350.9	129.4	68.7	61.0	57.9	64.0	69.7	70.6	69.9	73.8	74.3
65°	328.8	122.5	66.0	55.4	53.5	59.4	65.1	67.7	66.9	72.1	72.7
67.5°	298.2	113.5	61.9	50.4	48.9	55.0	60.4	63.1	62.9	69.7	70.0
70°	257.0	102.4	56.7	45.2	44.5	49.8	54.7	57.5	58.8	66.6	66.5
72.5°	199.1	87.8	48.9	39.8	39.6	44.5	48.8	51.9	54.4	61.9	61.9
75°	128.4	69.1	39.9	34.5	33.9	38.5	42.9	46.4	54.1	66.0	65.9
77.5°	78.4	52.8	32.1	28.7	28.6	32.7	37.1	43.2	59.1	58.8	57.2
80°	47.0	37.9	25.6	23.0	23.0	26.8	31.7	46.3	49.1	56.0	52.9
82.5°	24.5	23.3	19.2	16.9	17.7	21.1	28.9	37.0	40.1	34.0	31.2
85°	10.0	12.4	11.8	10.8	11.2	14.6	27.9	29.6	23.7	24.9	25.1
87.5°	3.4	5.5	5.5	4.3	4.7	10.3	16.5	9.9	11.9	7.1	5.3
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)