

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: P672232

Luminaire Tested: **CCP-SA-1A-730-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672232  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-730-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

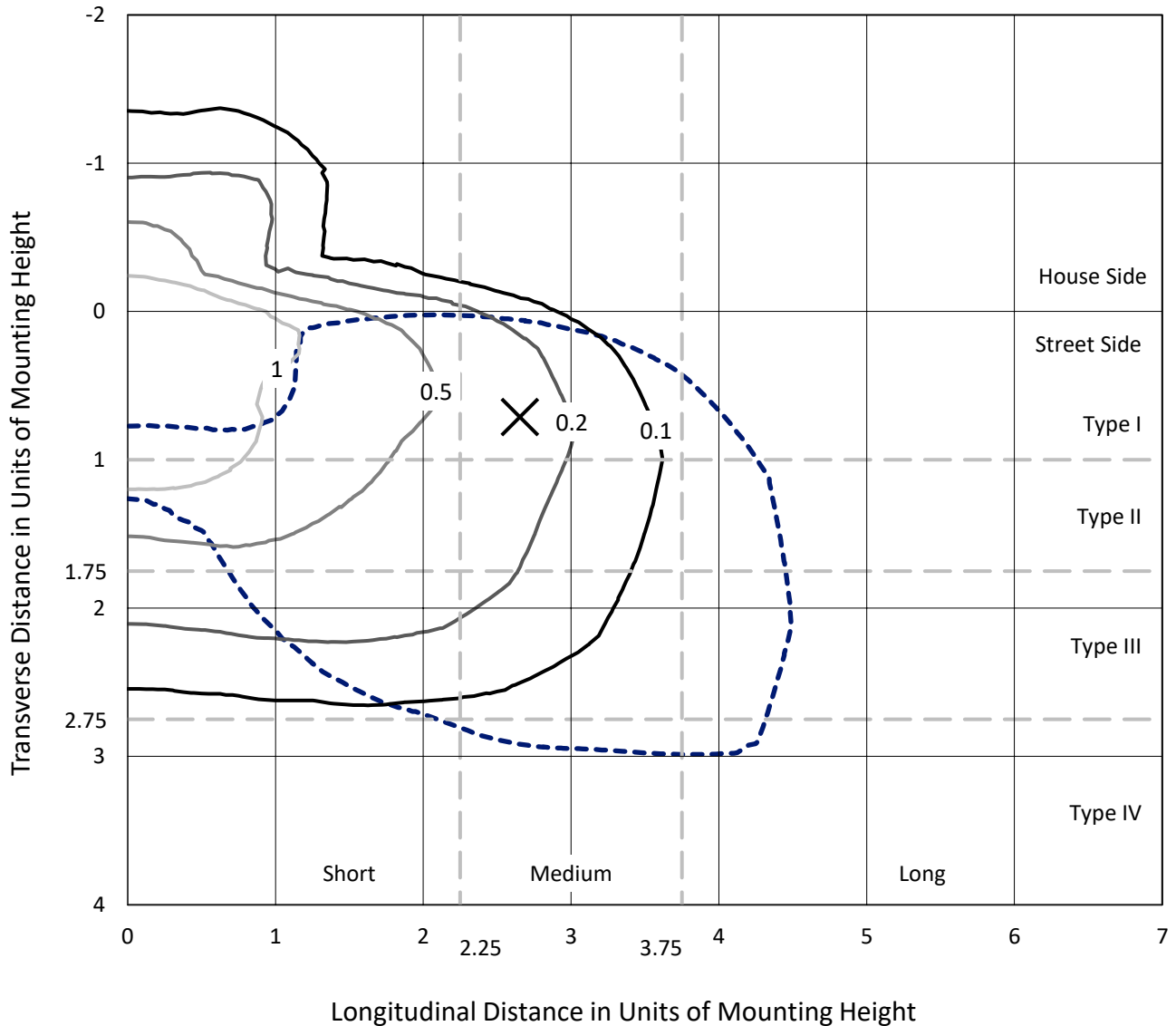
Lumens per Lamp: N/A  
Luminaire Lumens: 2532 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

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

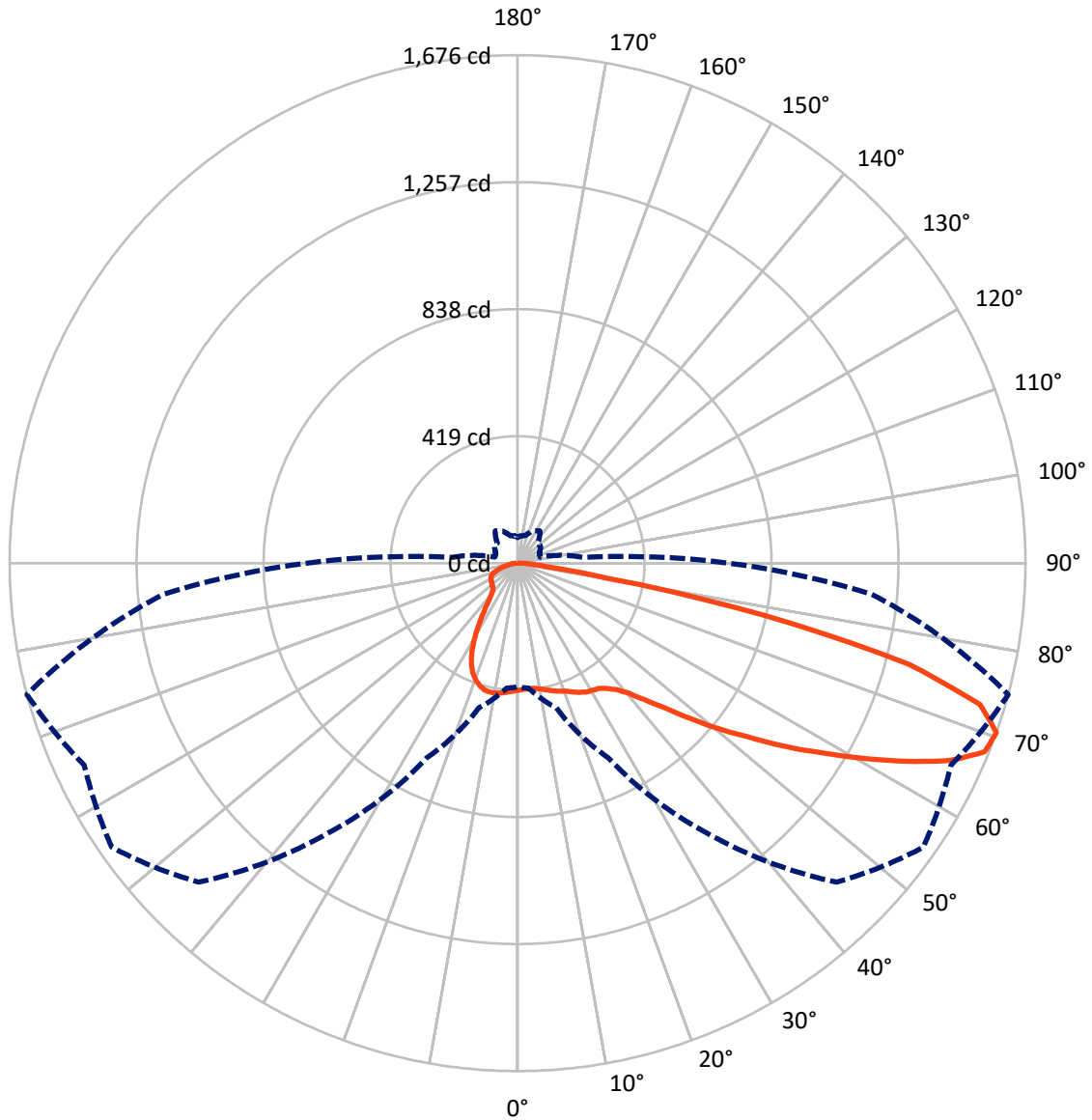
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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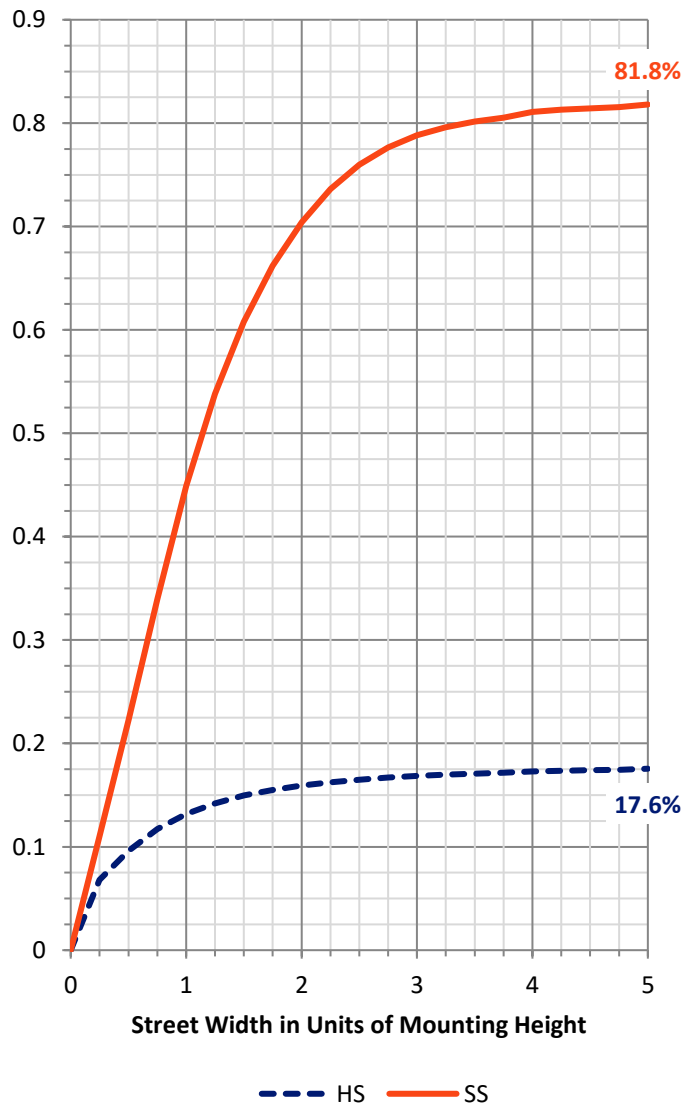
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	450.5	0.0	450.5
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	2081.5	0.0	2081.5
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	2532.0	0.0	2532.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	1.5
10°-20°	100.6	4.0
20°-30°	169.4	6.7
30°-40°	257.3	10.2
40°-50°	368.6	14.6
50°-60°	488.7	19.3
60°-70°	611.6	24.2
70°-80°	446.6	17.6
80°-90°	51.5	2.0
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°	2532.0	100.0
0°-180°	2532.0	100.0



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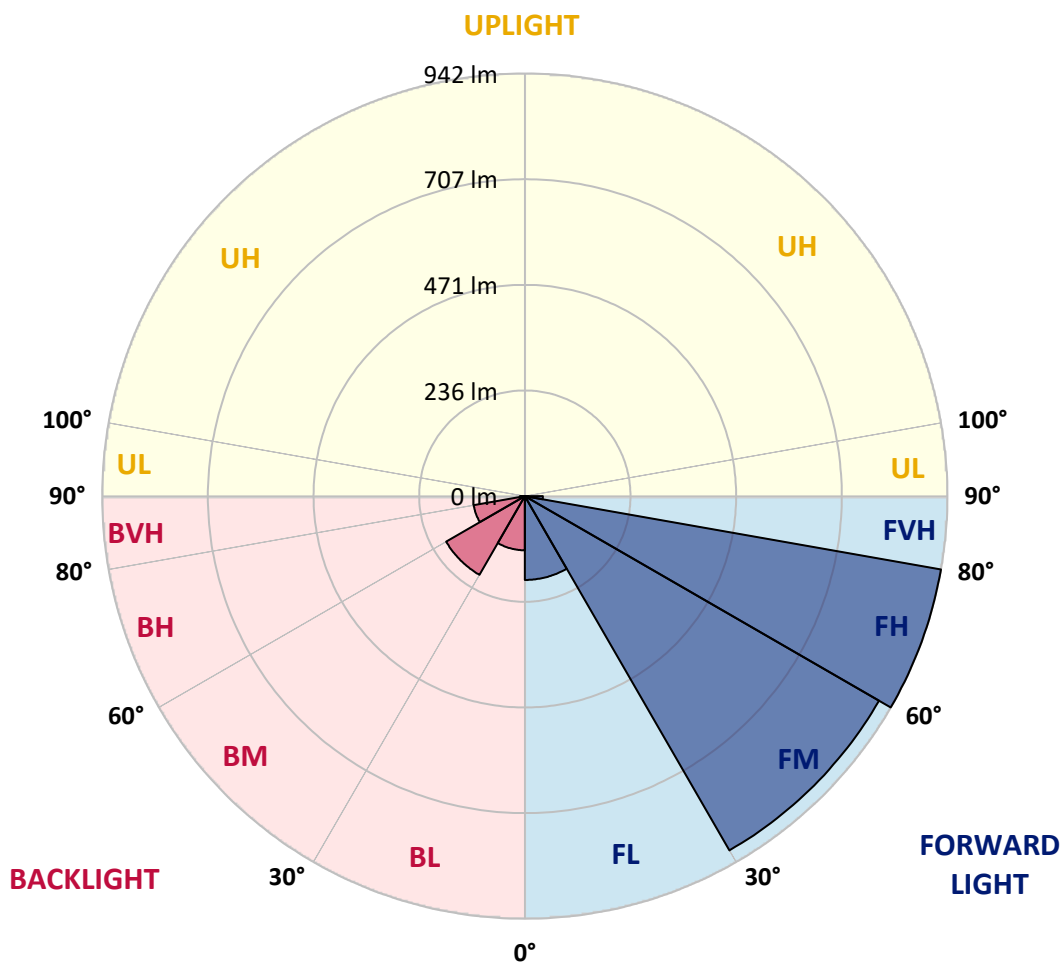
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.9	7.4			
FM (30°-60°)	912.1	36.0			
FH (60°-80°)	942.4	37.2			G1/1800
FVH (80°-90°)	40.2	1.6			G1/100
BL (0°-30°)	120.8	4.8	B1/500		
BM (30°-60°)	202.5	8.0	B0/220		
BH (60°-80°)	115.9	4.6	B1/500		G1/500
BVH (80°-90°)	11.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4
2.5°	396.5	398.6	400.7	402.7	404.3	408.7	409.6	414.3	415.6	416.7	418.1
5°	374.2	375.9	377.9	381.2	384.6	392.5	397.9	408.3	414.1	416.0	421.1
7.5°	362.2	362.8	365.5	368.2	372.2	379.9	387.4	403.6	415.2	417.2	428.2
10°	353.5	354.2	356.7	360.6	364.6	371.7	381.0	400.3	419.2	422.3	437.8
12.5°	350.4	350.0	352.9	355.5	361.1	370.0	379.7	400.5	424.7	429.1	451.8
15°	362.8	360.4	362.2	361.3	363.1	371.9	383.3	404.5	431.4	436.9	466.4
17.5°	390.1	388.1	386.8	379.0	373.9	378.8	389.7	410.1	438.5	444.4	479.5
20°	430.9	425.2	420.5	407.4	393.2	391.5	399.2	415.8	445.3	450.9	493.4
22.5°	477.4	472.8	465.1	442.2	420.1	409.2	411.2	426.2	455.1	461.3	509.2
25°	536.0	535.8	520.2	489.2	455.9	433.8	429.6	442.7	466.2	472.3	522.4
27.5°	602.9	598.3	579.8	539.9	497.9	464.2	454.4	459.7	475.2	481.4	532.9
30°	660.1	660.6	641.7	598.2	542.8	493.9	475.4	471.9	481.0	487.2	542.8
32.5°	721.3	718.2	700.9	656.1	591.2	525.8	488.8	480.6	487.0	492.8	556.4
35°	778.9	775.4	760.5	712.2	644.6	561.0	507.1	494.3	501.2	507.6	573.2
37.5°	833.7	834.3	817.3	771.2	696.4	602.5	534.0	514.9	522.4	529.5	598.7
40°	881.7	878.9	865.8	824.3	750.1	644.8	564.4	542.9	557.5	564.1	630.9
42.5°	897.0	896.8	901.9	876.4	806.6	695.1	602.3	586.7	607.3	617.1	670.5
45°	883.7	887.7	917.2	916.5	863.1	752.8	654.1	639.9	669.6	680.7	718.8
47.5°	870.5	876.6	916.6	939.4	913.7	816.4	717.7	707.1	749.7	765.8	768.9
50°	851.4	857.1	904.8	942.7	944.7	880.7	800.0	786.7	841.6	858.0	823.3
52.5°	830.1	834.5	883.8	940.3	959.5	931.0	880.7	876.9	940.0	953.3	878.7
55°	712.4	731.0	853.0	935.2	969.7	969.5	959.3	971.8	1047.3	1067.1	940.5
57.5°	644.8	654.6	766.3	932.3	988.8	1005.0	1040.3	1067.3	1161.9	1179.7	1008.6
60°	622.8	631.5	722.8	928.8	1026.9	1060.6	1119.6	1163.3	1285.0	1306.9	1084.8
62.5°	602.7	613.3	705.1	901.3	1073.0	1148.6	1214.2	1267.2	1414.9	1440.8	1160.6
65°	561.9	569.4	672.7	878.2	1116.7	1274.1	1350.6	1381.6	1540.8	1570.0	1210.9
67.5°	491.4	498.5	599.6	825.0	1145.1	1404.7	1499.8	1500.0	1638.1	1662.0	1221.4
70°	408.5	414.0	494.3	709.1	1085.9	1488.6	1634.5	1577.5	1665.6	1676.0	1171.2
72.5°	292.1	296.8	362.0	524.2	890.4	1420.6	1665.1	1574.2	1599.0	1595.7	1028.1
75°	180.0	189.1	221.7	319.9	553.3	1117.8	1498.6	1426.4	1342.6	1333.5	774.2
77.5°	117.3	122.1	149.9	188.8	244.1	641.7	1138.2	1069.5	847.8	837.2	416.1
80°	70.5	78.3	98.2	118.6	110.6	245.4	649.9	531.3	299.5	296.3	127.9
82.5°	37.9	45.0	69.2	73.4	62.1	86.7	235.4	172.7	95.8	94.7	47.9
85°	30.1	33.5	49.7	46.5	35.2	43.9	91.8	72.0	49.2	48.1	18.0
87.5°	18.2	23.0	37.7	31.3	17.5	15.9	42.1	34.1	23.1	21.5	7.1
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°	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4	419.4
2.5°	420.9	421.8	422.7	420.9	421.6	420.7	420.7	420.7	418.3	417.6	419.8
5°	424.9	426.2	426.9	421.2	417.8	412.7	408.5	402.1	398.5	396.1	396.1
7.5°	433.1	434.5	431.3	418.7	406.5	392.8	378.8	367.1	358.7	355.1	356.2
10°	445.1	445.7	434.7	411.6	385.5	360.2	340.3	324.9	314.5	309.2	308.5
12.5°	459.1	456.8	435.5	395.9	357.3	323.2	299.0	278.9	265.6	260.5	258.0
15°	473.0	467.3	432.7	377.1	325.2	284.2	253.3	234.3	226.1	223.7	222.8
17.5°	485.4	474.8	423.6	350.2	288.1	238.7	215.9	209.2	210.1	212.3	213.2
20°	496.7	480.5	410.5	318.1	241.6	203.1	197.5	203.7	208.8	212.1	212.6
22.5°	509.1	485.9	392.3	279.1	203.5	186.8	193.5	200.6	205.7	209.0	209.5
25°	518.5	485.7	366.6	232.8	179.5	182.4	190.4	196.8	200.6	203.0	202.8
27.5°	524.5	481.4	332.9	194.8	170.0	179.3	186.9	191.1	193.3	195.1	195.0
30°	526.4	473.0	290.4	166.7	165.6	176.4	182.2	184.7	186.4	188.2	188.2
32.5°	530.0	460.0	243.6	151.0	162.3	173.5	176.9	178.9	177.6	173.1	172.2
35°	534.0	445.7	199.3	143.8	159.2	171.4	174.7	169.4	155.6	153.8	153.0
37.5°	541.9	432.4	161.8	138.7	158.5	172.5	175.3	154.1	142.5	136.8	135.9
40°	555.2	419.1	136.6	135.0	159.4	177.3	168.0	146.9	127.5	116.8	115.0
42.5°	572.6	402.8	122.4	133.2	162.0	184.9	165.4	136.5	115.3	108.0	106.9
45°	592.9	381.3	115.7	132.8	165.1	188.8	166.2	128.1	109.9	104.2	103.9
47.5°	613.8	360.2	112.8	132.5	168.9	187.1	156.1	125.5	107.7	106.0	107.1
50°	636.4	336.2	110.4	131.5	172.0	187.1	150.7	125.0	108.4	112.1	115.7
52.5°	657.5	315.9	107.7	128.8	173.3	183.8	149.0	127.0	109.5	108.6	109.7
55°	683.2	305.5	106.2	125.0	170.9	173.8	147.0	132.5	110.4	102.9	102.9
57.5°	712.6	303.4	104.0	119.9	163.2	160.0	146.9	135.7	108.0	101.1	99.8
60°	747.9	308.1	101.3	113.5	154.0	149.2	145.6	135.7	104.2	98.0	98.6
62.5°	776.5	307.5	99.7	107.9	141.6	138.1	143.2	133.9	102.8	97.7	97.5
65°	783.3	295.9	94.9	100.6	126.3	124.6	140.7	129.4	100.8	95.7	94.2
67.5°	760.5	269.5	87.8	90.9	110.0	110.2	136.1	123.3	98.0	94.6	92.2
70°	695.8	217.9	77.3	79.3	92.6	94.9	129.4	116.2	93.5	89.8	84.2
72.5°	582.3	156.7	65.0	65.6	73.6	79.8	117.7	106.6	86.7	78.2	72.2
75°	431.1	104.0	53.0	52.3	55.2	64.9	100.6	95.8	78.0	64.9	61.8
77.5°	227.9	61.6	40.8	41.0	39.2	49.7	79.8	83.3	69.2	54.7	51.6
80°	78.0	37.0	29.3	30.6	27.7	35.5	59.2	69.2	59.2	45.5	40.3
82.5°	35.7	22.6	21.0	21.9	19.9	24.1	40.6	52.5	47.2	33.2	26.8
85°	18.0	13.5	13.5	14.8	13.1	12.4	22.4	34.8	34.6	22.8	19.7
87.5°	7.5	6.6	6.2	7.1	6.2	4.7	6.4	12.6	18.2	13.7	8.7
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)