

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: P672211

Luminaire Tested: **CCP-SA-1B-722-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672211  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-722-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

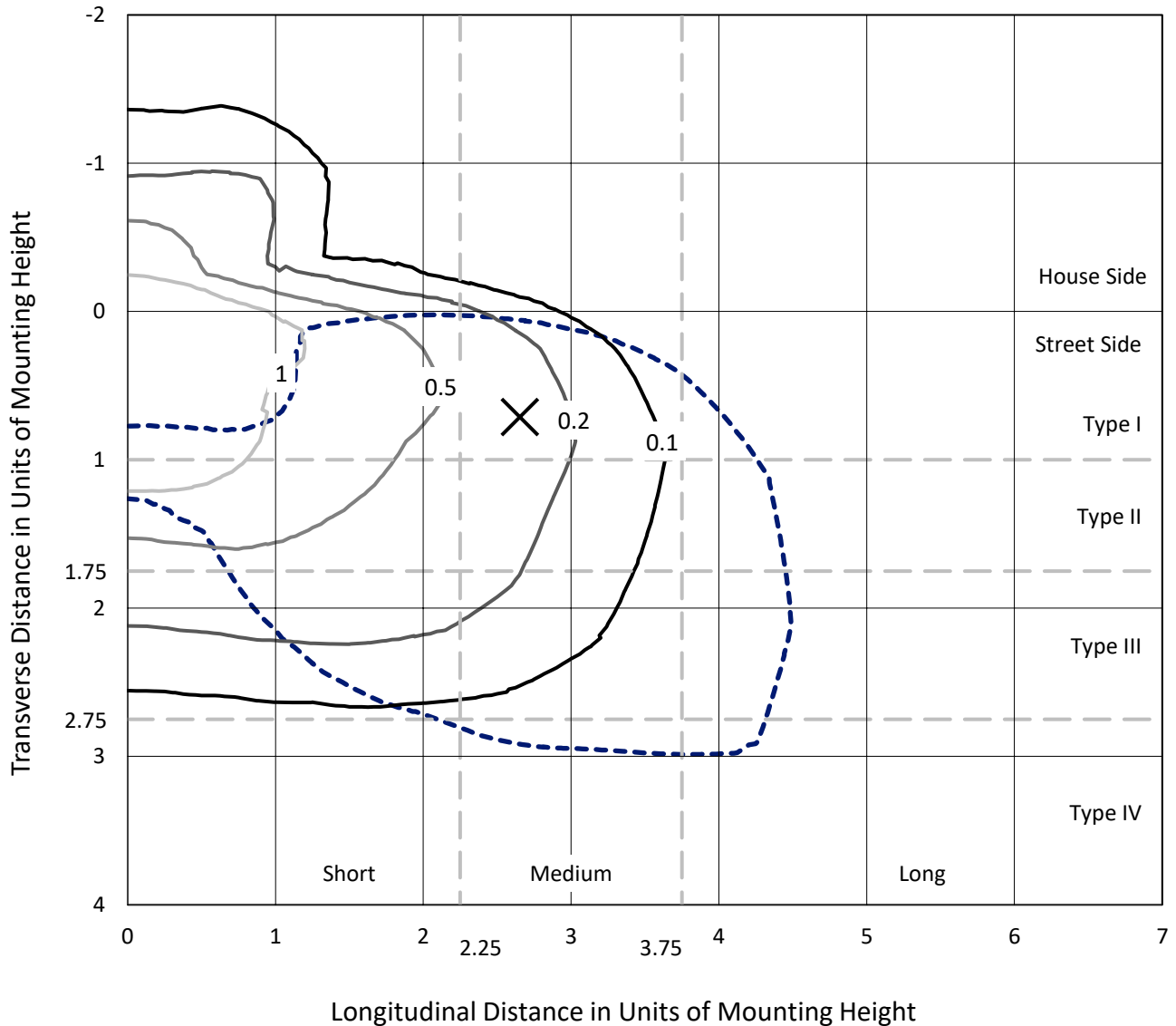
Lumens per Lamp: N/A  
Luminaire Lumens: 2585.6 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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

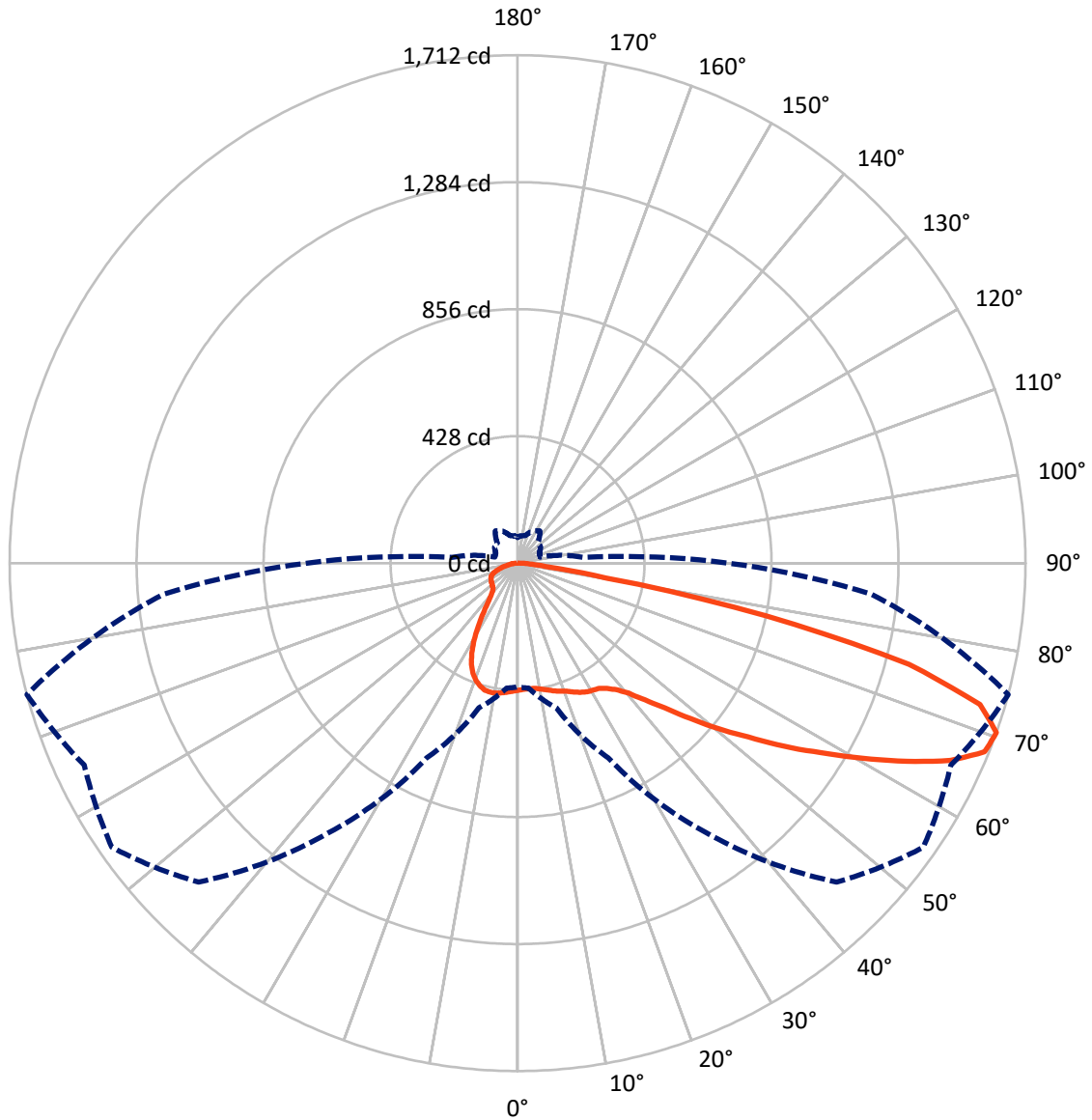
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc  
 Type 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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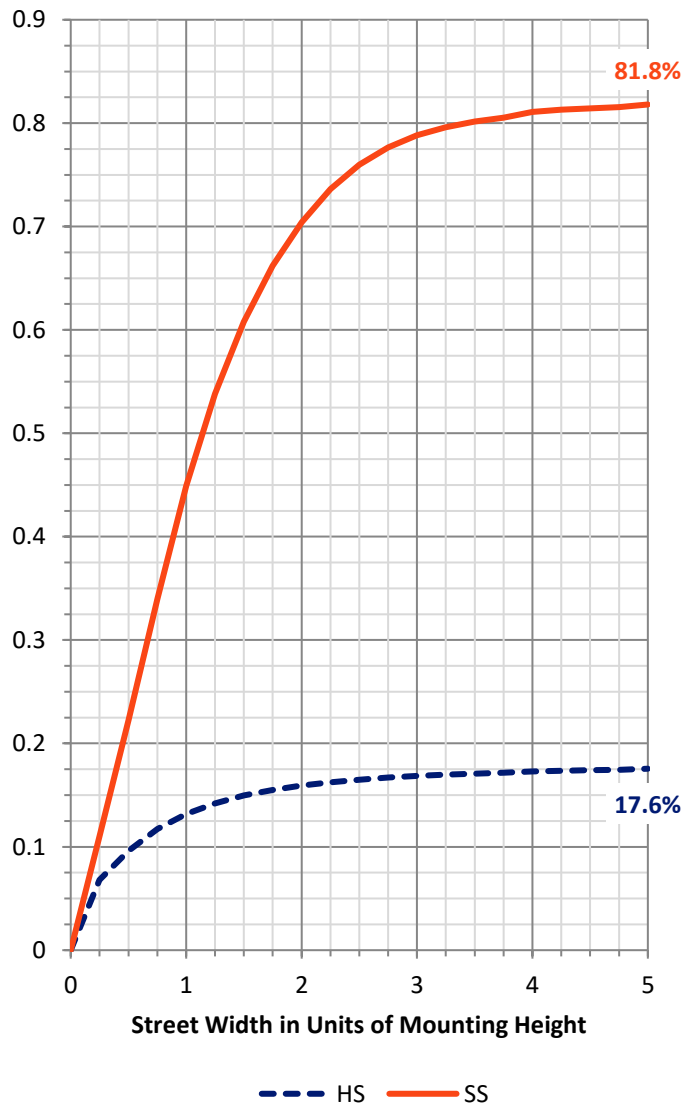
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	460.0	0.0	460.0
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	2125.6	0.0	2125.6
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	2585.6	0.0	2585.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.5	1.5
10°-20°	102.7	4.0
20°-30°	173.0	6.7
30°-40°	262.7	10.2
40°-50°	376.4	14.6
50°-60°	499.1	19.3
60°-70°	624.5	24.2
70°-80°	456.1	17.6
80°-90°	52.6	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°	2585.6	100.0
0°-180°	2585.6	100.0



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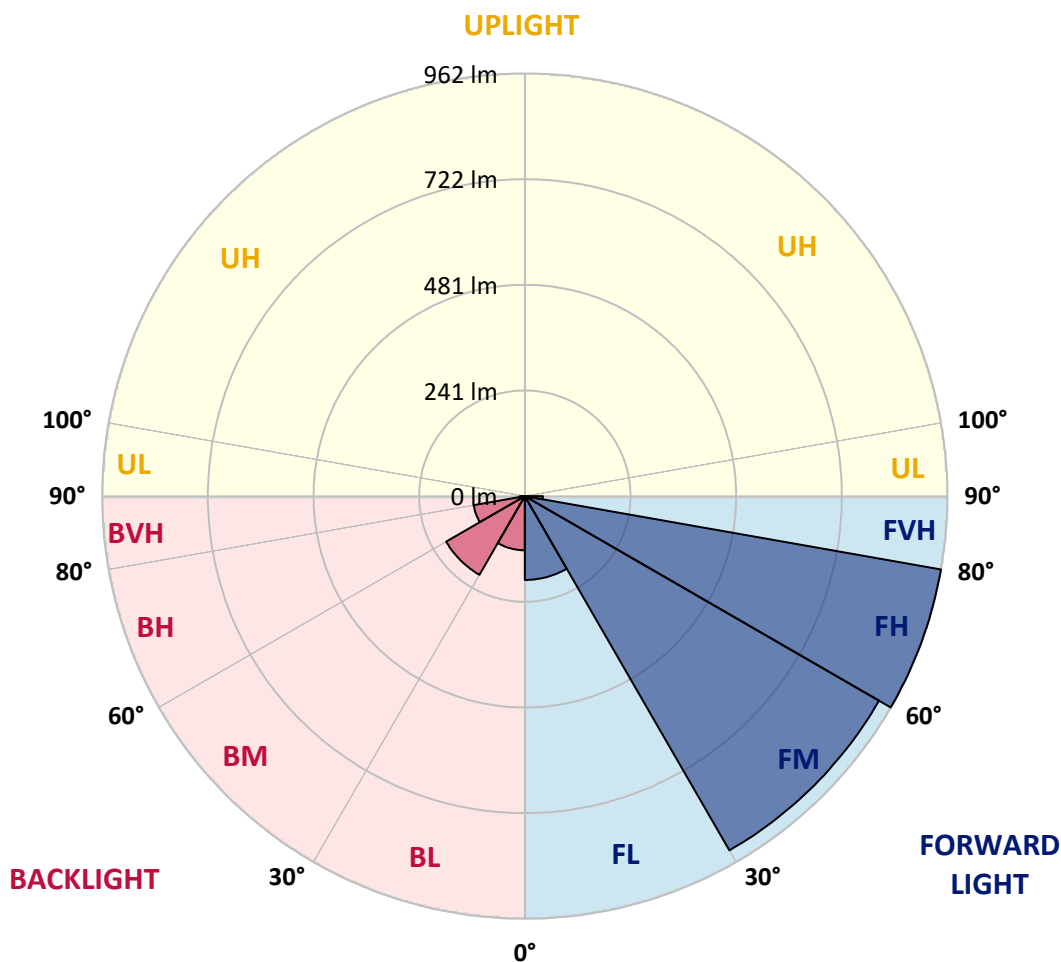
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.8	7.4			
FM (30°-60°)	931.4	36.0			
FH (60°-80°)	962.3	37.2			G1/1800
FVH (80°-90°)	41.0	1.6			G1/100
BL (0°-30°)	123.3	4.8	B1/500		
BM (30°-60°)	206.8	8.0	B0/220		
BH (60°-80°)	118.3	4.6	B1/500		G1/500
BVH (80°-90°)	11.6	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°	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3
2.5°	404.8	407.1	409.1	411.2	412.8	417.3	418.2	423.1	424.4	425.5	427.0
5°	382.1	383.8	385.9	389.2	392.8	400.8	406.3	416.9	422.9	424.8	430.0
7.5°	369.9	370.4	373.2	376.0	380.1	387.9	395.5	412.1	424.0	426.1	437.2
10°	360.9	361.7	364.3	368.2	372.3	379.5	389.0	408.8	428.1	431.3	447.1
12.5°	357.8	357.4	360.4	363.0	368.8	377.9	387.7	408.9	433.7	438.1	461.4
15°	370.4	368.0	369.9	368.9	370.8	379.7	391.5	413.0	440.6	446.1	476.3
17.5°	398.3	396.3	395.0	387.0	381.8	386.8	398.0	418.8	447.8	453.8	489.7
20°	440.0	434.2	429.4	416.0	401.5	399.8	407.6	424.6	454.7	460.5	503.8
22.5°	487.5	482.8	475.0	451.5	429.0	417.9	419.9	435.2	464.8	471.1	520.0
25°	547.4	547.2	531.2	499.5	465.5	443.0	438.7	452.1	476.1	482.2	533.4
27.5°	615.6	611.0	592.0	551.3	508.5	474.1	464.0	469.4	485.2	491.5	544.2
30°	674.1	674.6	655.3	610.8	554.2	504.4	485.4	481.9	491.2	497.5	554.2
32.5°	736.6	733.4	715.7	670.0	603.7	536.9	499.2	490.8	497.3	503.3	568.2
35°	795.4	791.8	776.6	727.3	658.2	572.9	517.8	504.8	511.8	518.3	585.3
37.5°	851.4	851.9	834.6	787.6	711.1	615.3	545.3	525.8	533.4	540.7	611.4
40°	900.3	897.5	884.1	841.7	766.0	658.4	576.4	554.4	569.3	576.0	644.3
42.5°	915.9	915.7	921.0	894.9	823.6	709.8	615.1	599.1	620.1	630.2	684.7
45°	902.3	906.4	936.6	935.8	881.3	768.8	667.9	653.4	683.7	695.1	734.0
47.5°	889.0	895.1	936.0	959.3	933.0	833.7	732.9	722.1	765.6	782.0	785.1
50°	869.4	875.2	923.9	962.6	964.7	899.4	816.9	803.4	859.4	876.1	840.8
52.5°	847.6	852.1	902.5	960.2	979.7	950.7	899.4	895.5	959.8	973.4	897.3
55°	727.5	746.4	871.1	955.0	990.2	990.0	979.6	992.4	1069.4	1089.7	960.4
57.5°	658.4	668.5	782.5	952.0	1009.7	1026.3	1062.3	1089.9	1186.4	1204.7	1030.0
60°	635.9	644.9	738.1	948.5	1048.6	1083.0	1143.3	1187.9	1312.2	1334.5	1107.7
62.5°	615.5	626.2	720.0	920.4	1095.7	1172.9	1239.8	1294.0	1444.9	1471.3	1185.1
65°	573.8	581.4	686.9	896.8	1140.3	1301.1	1379.2	1410.8	1573.4	1603.2	1236.5
67.5°	501.8	509.0	612.3	842.4	1169.3	1434.5	1531.6	1531.8	1672.8	1697.2	1247.3
70°	417.1	422.7	504.8	724.1	1108.9	1520.0	1669.1	1610.8	1700.9	1711.5	1195.9
72.5°	298.2	303.1	369.7	535.3	909.2	1450.6	1700.3	1607.5	1632.8	1629.4	1049.9
75°	183.8	193.1	226.4	326.7	565.0	1141.4	1530.3	1456.6	1371.0	1361.7	790.5
77.5°	119.8	124.7	153.1	192.7	249.3	655.3	1162.3	1092.1	865.7	854.9	424.9
80°	72.0	80.0	100.3	121.1	112.9	250.6	663.6	542.5	305.9	302.5	130.6
82.5°	38.7	46.0	70.7	75.0	63.4	88.6	240.4	176.4	97.9	96.7	48.9
85°	30.7	34.2	50.8	47.4	35.9	44.8	93.8	73.5	50.2	49.1	18.4
87.5°	18.6	23.4	38.5	32.0	17.9	16.2	43.0	34.8	23.6	22.0	7.3
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°	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3
2.5°	429.8	430.7	431.6	429.8	430.5	429.6	429.6	429.6	427.2	426.4	428.7
5°	433.9	435.2	435.9	430.1	426.6	421.4	417.1	410.6	406.9	404.5	404.5
7.5°	442.2	443.7	440.4	427.5	415.1	401.1	386.8	374.9	366.3	362.6	363.7
10°	454.5	455.1	443.9	420.3	393.7	367.8	347.5	331.7	321.1	315.7	315.0
12.5°	468.8	466.4	444.7	404.3	364.8	330.1	305.3	284.8	271.3	266.1	263.4
15°	483.0	477.2	441.9	385.1	332.1	290.2	258.6	239.3	230.9	228.5	227.5
17.5°	495.6	484.8	432.6	357.6	294.1	243.7	220.5	213.6	214.5	216.7	217.7
20°	507.2	490.6	419.2	324.8	246.7	207.4	201.7	208.0	213.2	216.6	217.1
22.5°	519.8	496.2	400.6	285.0	207.8	190.7	197.6	204.8	210.1	213.4	214.0
25°	529.5	496.0	374.3	237.8	183.3	186.2	194.4	200.9	204.8	207.3	207.1
27.5°	535.6	491.5	339.9	198.9	173.6	183.1	190.9	195.2	197.4	199.3	199.1
30°	537.5	483.0	296.6	170.2	169.1	180.1	186.1	188.7	190.3	192.2	192.2
32.5°	541.2	469.8	248.7	154.2	165.8	177.1	180.7	182.7	181.4	176.7	175.8
35°	545.3	455.1	203.5	146.8	162.6	175.1	178.4	173.0	158.9	157.0	156.3
37.5°	553.3	441.5	165.2	141.6	161.9	176.2	179.0	157.4	145.5	139.7	138.8
40°	566.9	427.9	139.5	137.9	162.8	181.0	171.5	150.0	130.2	119.3	117.4
42.5°	584.8	411.4	125.0	136.0	165.4	188.8	168.9	139.4	117.8	110.3	109.2
45°	605.4	389.4	118.1	135.6	168.6	192.7	169.7	130.8	112.2	106.4	106.0
47.5°	626.8	367.8	115.2	135.3	172.5	191.1	159.4	128.2	110.0	108.3	109.4
50°	649.9	343.3	112.7	134.3	175.6	191.1	153.9	127.6	110.7	114.4	118.1
52.5°	671.5	322.6	110.0	131.5	176.9	187.7	152.2	129.7	111.8	110.9	112.0
55°	697.7	312.0	108.5	127.6	174.5	177.5	150.1	135.3	112.7	105.1	105.1
57.5°	727.6	309.8	106.2	122.4	166.7	163.4	150.0	138.6	110.3	103.3	102.0
60°	763.7	314.6	103.4	115.9	157.2	152.4	148.7	138.6	106.4	100.1	100.7
62.5°	792.9	314.1	101.8	110.1	144.6	141.0	146.2	136.7	104.9	99.7	99.5
65°	799.8	302.1	96.9	102.7	128.9	127.3	143.6	132.1	102.9	97.7	96.2
67.5°	776.6	275.2	89.7	92.8	112.4	112.6	139.0	126.0	100.1	96.6	94.1
70°	710.5	222.5	78.9	80.9	94.5	96.9	132.1	118.7	95.4	91.7	86.0
72.5°	594.6	160.0	66.4	67.0	75.2	81.5	120.2	108.8	88.6	79.8	73.7
75°	440.2	106.2	54.1	53.4	56.4	66.2	102.7	97.9	79.6	66.2	63.1
77.5°	232.7	62.9	41.7	41.9	40.0	50.8	81.5	85.0	70.7	55.8	52.7
80°	79.6	37.8	30.0	31.3	28.3	36.3	60.5	70.7	60.5	46.5	41.1
82.5°	36.5	23.1	21.4	22.3	20.3	24.6	41.5	53.6	48.2	33.9	27.3
85°	18.4	13.8	13.8	15.1	13.4	12.7	22.9	35.5	35.3	23.3	20.1
87.5°	7.6	6.7	6.3	7.3	6.3	4.8	6.5	12.8	18.6	14.0	8.9
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)