

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: P672165

Luminaire Tested: **CCP-SA-1A-835-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672165
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

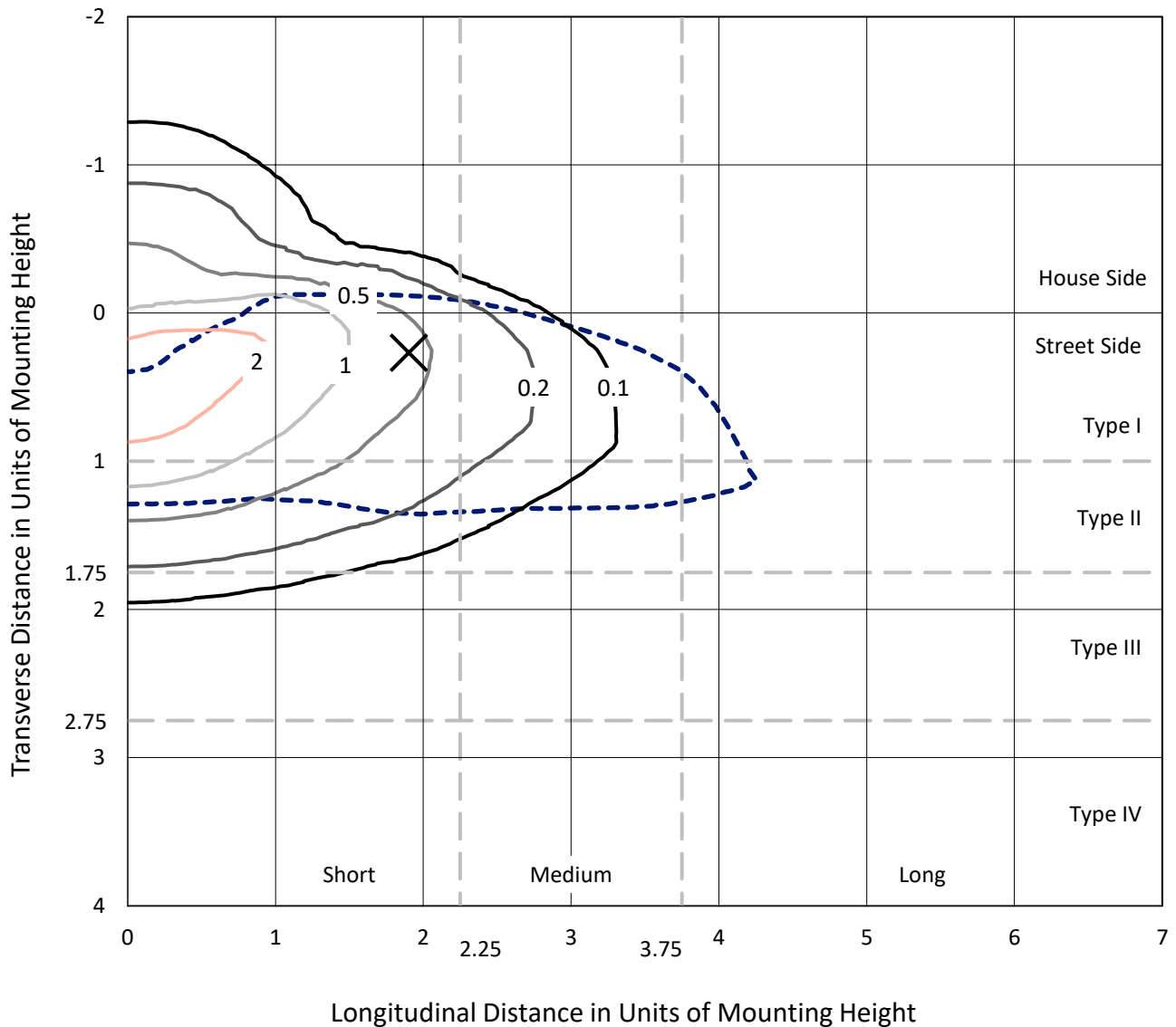
Lumens per Lamp: N/A
Luminaire Lumens: 2289.8 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

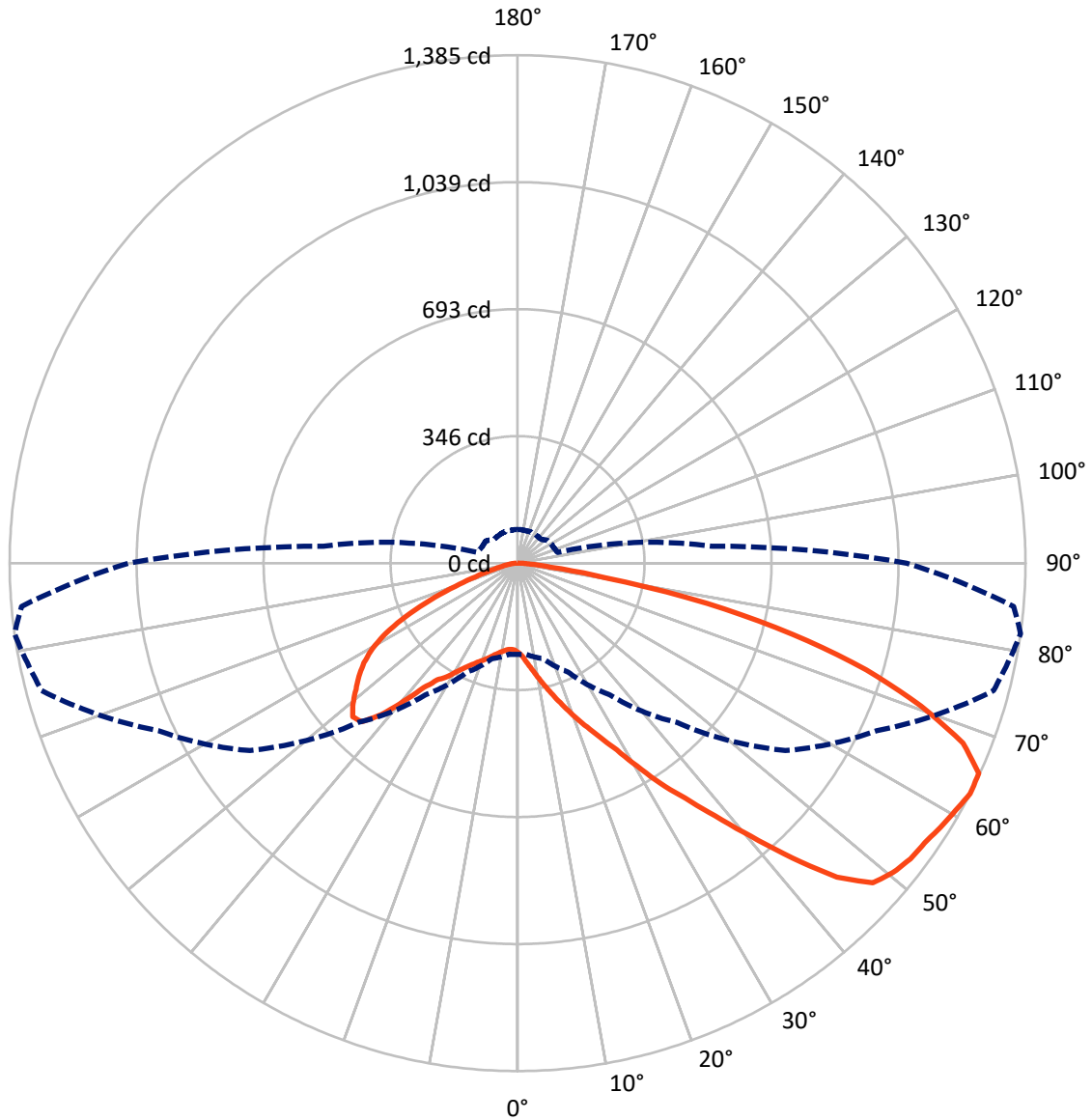
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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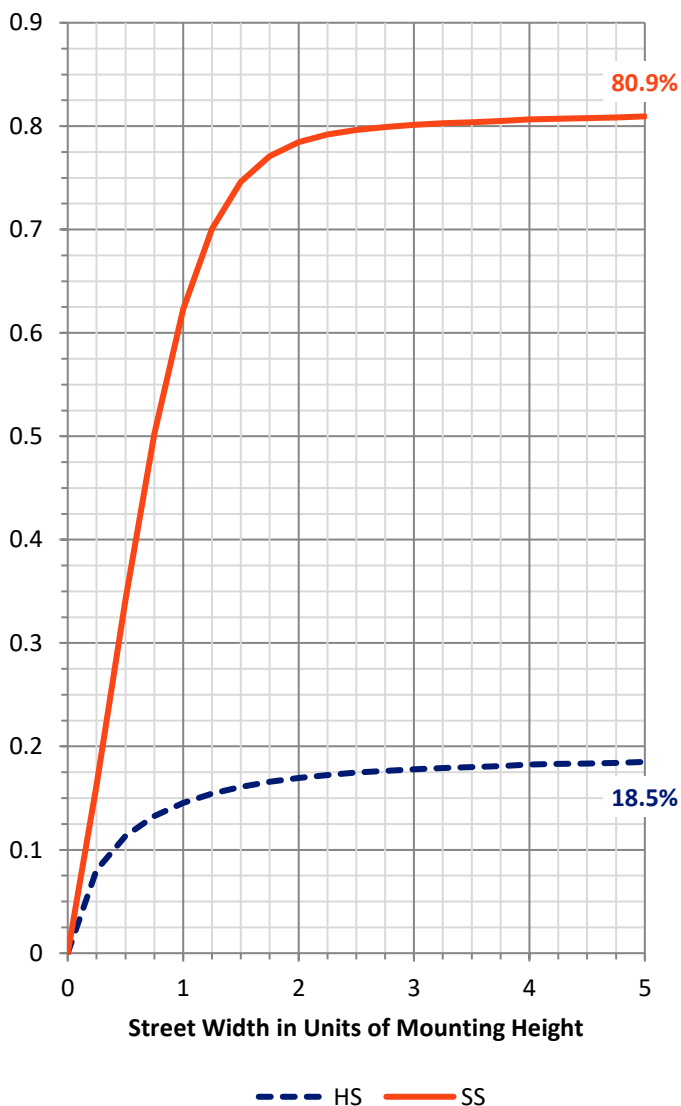
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	431.4	0.0	431.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1858.4	0.0	1858.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	2289.8	0.0	2289.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.2
10°-20°	101.6	4.4
20°-30°	210.5	9.2
30°-40°	357.2	15.6
40°-50°	486.5	21.2
50°-60°	492.4	21.5
60°-70°	388.1	16.9
70°-80°	191.2	8.3
80°-90°	35.4	1.5
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°	2289.8	100.0
0°-180°	2289.8	100.0



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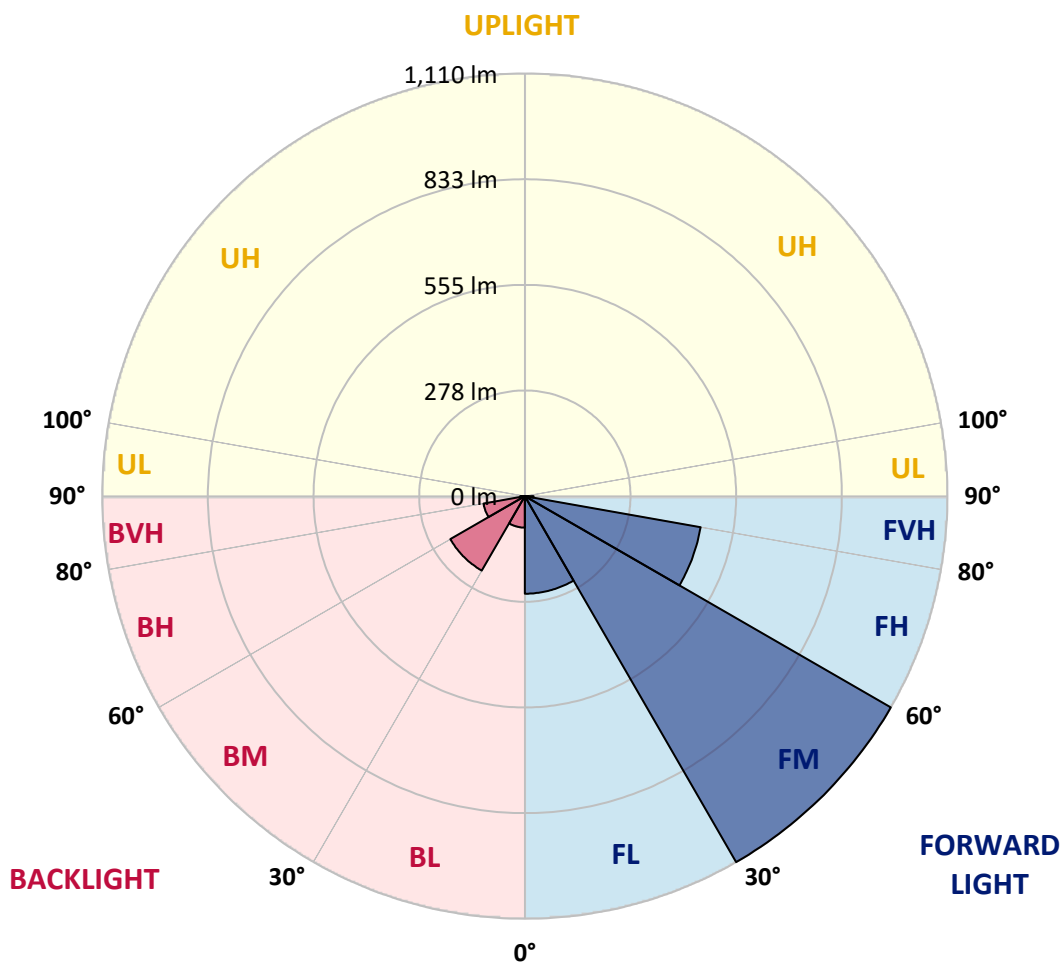
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.3	11.2			
FM (30°-60°)	1110.2	48.5			
FH (60°-80°)	469.0	20.5			G0/660
FVH (80°-90°)	23.0	1.0			G1/100
BL (0°-30°)	82.8	3.6	B0/110		
BM (30°-60°)	226.0	9.9	B1/1000		
BH (60°-80°)	110.3	4.8	B1/500		G1/500
BVH (80°-90°)	12.4	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5
2.5°	324.3	319.3	316.7	313.7	305.5	300.2	290.3	278.8	265.4	254.1	251.9
5°	392.7	387.8	388.4	381.2	369.1	357.9	339.5	317.7	292.3	272.9	266.1
7.5°	441.0	435.6	436.9	433.9	424.2	411.8	388.4	360.4	323.3	294.5	283.6
10°	473.3	474.0	475.0	473.8	467.6	458.8	435.6	404.6	358.4	320.0	305.2
12.5°	509.9	511.7	511.4	511.9	508.6	501.7	478.9	449.8	395.8	347.5	328.3
15°	556.6	554.8	556.3	558.4	554.8	547.2	527.1	492.5	435.1	378.2	354.3
17.5°	607.7	603.9	607.9	605.7	603.1	598.1	576.0	539.1	475.6	411.3	383.3
20°	651.9	649.4	651.6	651.9	652.4	651.4	628.6	589.4	518.2	447.5	414.6
22.5°	701.5	700.4	700.0	700.2	700.7	701.8	686.3	644.5	565.3	485.4	448.4
25°	770.9	769.8	762.2	753.8	748.8	752.5	744.4	707.0	617.4	527.9	485.5
27.5°	848.7	846.9	836.9	815.6	799.8	802.4	801.6	775.9	677.4	576.7	530.0
30°	929.5	925.1	911.2	881.4	856.5	851.9	854.2	845.6	753.0	641.5	592.0
32.5°	1001.6	993.3	975.0	944.9	915.2	901.8	902.2	905.9	835.1	717.0	657.0
35°	1045.6	1040.2	1026.5	996.0	962.8	953.9	951.5	970.4	910.4	786.9	715.2
37.5°	1069.3	1064.1	1049.4	1024.8	999.8	996.1	1000.7	1030.1	996.0	874.1	794.3
40°	1065.0	1059.4	1049.9	1032.7	1016.2	1019.0	1039.5	1084.8	1089.4	978.5	907.1
42.5°	1029.8	1023.8	1023.0	1021.8	1014.1	1026.5	1063.4	1124.9	1175.3	1099.0	1043.6
45°	967.4	963.8	968.1	987.9	997.6	1021.5	1074.6	1144.3	1250.9	1221.5	1172.7
47.5°	888.5	886.3	896.1	927.4	958.9	1006.4	1082.0	1149.6	1302.8	1302.8	1257.3
50°	800.1	799.3	812.1	857.6	906.9	978.5	1081.2	1154.6	1325.5	1326.7	1287.1
52.5°	676.8	681.1	715.4	775.4	842.3	934.8	1069.7	1168.4	1338.4	1341.0	1307.1
55°	534.7	538.8	590.6	671.3	757.1	881.7	1035.2	1164.3	1340.9	1346.8	1318.4
57.5°	426.8	427.7	460.0	555.9	662.1	813.8	995.5	1136.9	1333.6	1359.5	1335.9
60°	334.0	336.7	358.3	434.3	552.0	726.2	951.1	1109.9	1337.7	1371.5	1351.8
62.5°	248.8	249.4	269.6	328.4	438.5	614.6	890.9	1081.0	1343.5	1385.1	1358.2
65°	162.1	161.9	181.4	234.4	327.6	494.1	796.5	1035.9	1344.0	1382.1	1328.7
67.5°	103.0	103.7	112.1	145.6	219.3	372.9	667.9	951.9	1320.6	1310.2	1221.2
70°	83.6	83.8	86.4	95.1	133.5	254.9	502.0	820.7	1246.6	1166.9	1061.4
72.5°	74.5	74.7	76.0	77.0	89.0	153.2	329.4	666.4	1115.0	994.6	880.6
75°	66.9	66.9	67.8	66.8	73.0	96.1	187.0	501.0	918.3	774.5	665.2
77.5°	58.7	58.5	58.5	58.0	63.1	70.2	93.6	349.7	661.4	528.2	431.5
80°	49.8	49.5	50.0	49.6	54.6	53.3	54.6	215.8	358.6	242.2	183.7
82.5°	38.7	38.7	40.2	40.6	45.0	38.6	38.4	102.4	136.2	90.5	67.8
85°	20.3	22.8	30.7	32.0	34.0	24.2	28.2	47.8	54.6	34.6	24.7
87.5°	6.1	6.4	18.8	21.1	20.9	12.2	17.3	23.1	25.6	15.3	10.1
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°	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5
2.5°	246.5	240.7	228.5	217.6	209.4	201.5	196.0	193.2	189.6	190.1	188.9
5°	254.1	242.2	220.6	203.1	191.4	182.5	177.1	174.3	171.6	170.3	171.3
7.5°	265.4	247.0	216.8	195.7	183.5	175.9	172.9	172.1	171.5	171.0	171.8
10°	280.1	255.4	216.1	193.1	181.8	177.2	176.1	175.6	174.9	174.3	174.8
12.5°	295.1	264.6	218.4	193.7	184.5	181.0	179.5	178.9	177.2	176.4	176.6
15°	313.9	275.8	221.6	196.4	187.9	183.5	181.5	179.7	177.1	175.9	176.4
17.5°	334.0	289.2	225.9	198.8	189.3	183.8	179.9	177.2	174.6	172.9	173.1
20°	356.8	302.4	229.7	199.7	188.6	181.0	176.2	173.1	169.6	167.8	167.3
22.5°	380.3	316.2	232.6	199.0	185.0	176.2	170.8	167.0	162.9	160.1	160.3
25°	409.0	335.0	235.1	196.7	180.2	170.0	163.9	159.1	154.8	152.2	152.3
27.5°	443.5	356.3	238.1	193.1	174.4	163.2	156.1	151.3	147.2	144.8	144.4
30°	489.5	384.0	241.4	188.6	167.2	155.8	148.9	143.9	140.0	137.7	137.7
32.5°	541.3	417.8	243.7	183.3	159.1	147.9	141.6	137.7	134.7	131.6	131.2
35°	586.3	444.0	250.8	179.2	152.0	140.5	136.2	133.4	128.9	126.0	125.5
37.5°	652.4	490.2	271.7	178.1	143.4	134.7	133.9	128.6	123.5	117.9	117.4
40°	758.9	570.1	296.1	172.5	134.5	131.6	130.7	123.7	111.6	108.2	107.5
42.5°	894.4	666.4	298.7	156.1	128.3	128.9	126.5	112.6	107.3	104.7	104.0
45°	1016.7	744.5	283.7	139.5	123.7	125.0	119.9	108.5	105.5	103.0	102.4
47.5°	1085.5	768.6	255.4	126.9	120.2	121.5	109.3	106.5	103.5	101.1	100.4
50°	1104.8	747.7	222.4	119.7	117.6	118.0	106.5	104.9	102.2	100.2	99.3
52.5°	1108.6	716.4	191.9	115.4	115.6	111.1	104.0	102.7	101.1	97.9	96.8
55°	1110.2	688.2	164.5	112.8	114.3	102.2	101.4	100.4	99.1	95.8	95.1
57.5°	1114.5	652.1	143.1	110.8	112.6	98.1	98.4	97.8	96.1	94.6	94.3
60°	1102.3	602.1	126.6	108.8	110.3	94.6	95.0	95.3	93.8	93.5	93.3
62.5°	1061.4	531.2	112.6	106.2	105.5	91.2	91.2	92.5	91.2	91.7	91.7
65°	977.2	440.9	100.1	101.2	98.1	87.4	87.2	89.5	87.5	89.7	89.9
67.5°	833.6	333.7	87.2	93.5	90.3	83.4	84.1	85.9	83.3	87.7	87.7
70°	659.8	227.0	73.9	82.6	82.4	79.0	81.1	81.0	78.0	84.6	83.4
72.5°	491.5	145.7	60.2	69.2	72.0	74.2	78.1	74.7	71.9	75.7	72.2
75°	343.4	91.3	47.5	54.7	60.0	68.9	74.5	67.6	63.5	62.3	61.3
77.5°	205.6	58.4	37.4	41.7	46.8	62.6	69.9	60.2	53.9	53.3	51.3
80°	94.8	38.1	28.5	31.2	33.3	53.7	63.6	51.4	43.9	43.2	40.9
82.5°	42.9	25.1	21.3	22.3	22.4	42.7	53.7	40.7	33.5	54.2	47.0
85°	19.9	16.2	13.8	13.2	13.4	28.5	39.1	28.0	38.1	29.7	22.6
87.5°	8.6	8.2	7.1	5.6	5.1	6.1	15.0	11.7	16.7	6.6	4.5
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)