

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: P672176

Luminaire Tested: **CCP-SA-1A-840-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672176
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

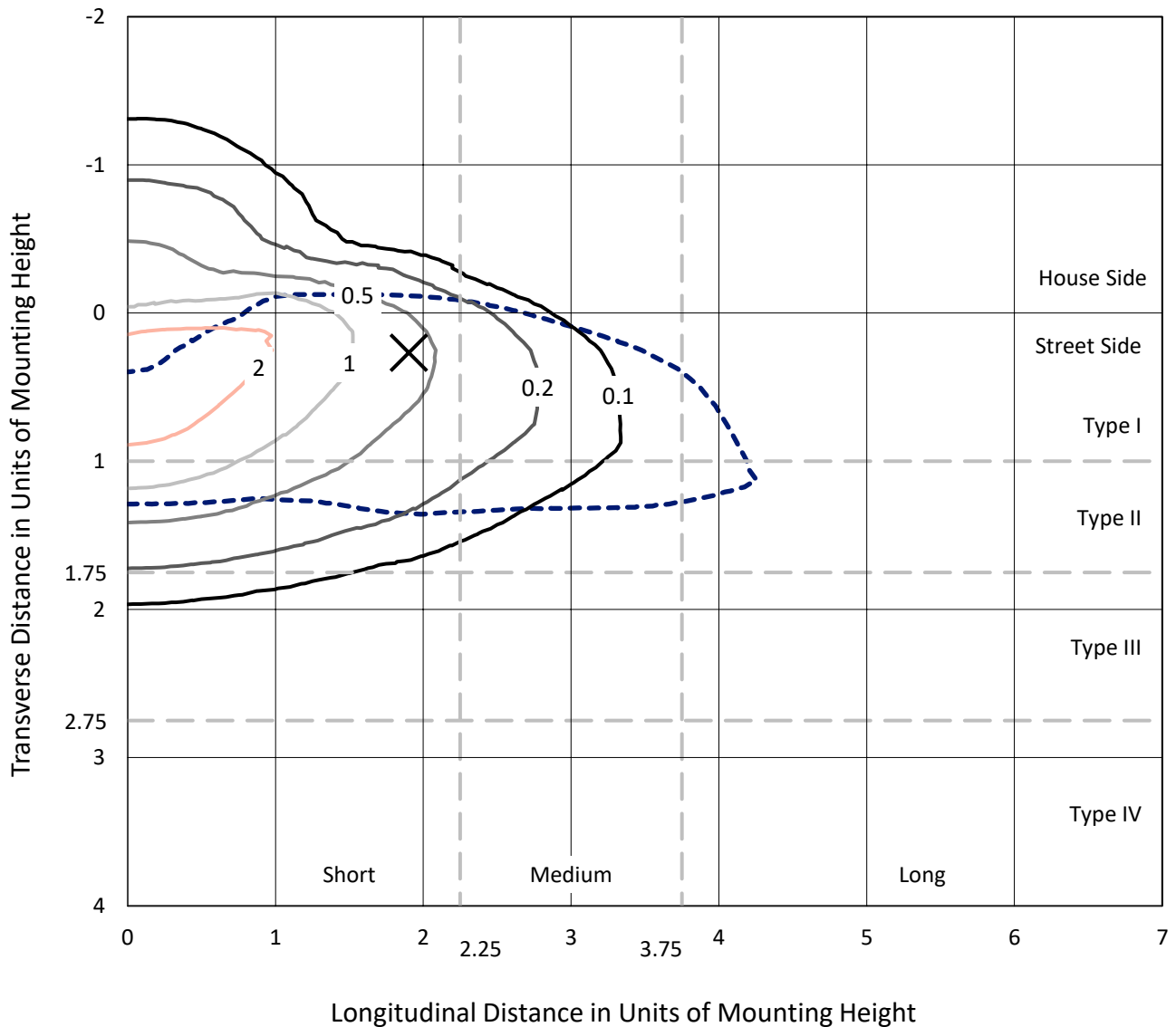
Lumens per Lamp: N/A
Luminaire Lumens: 2369.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

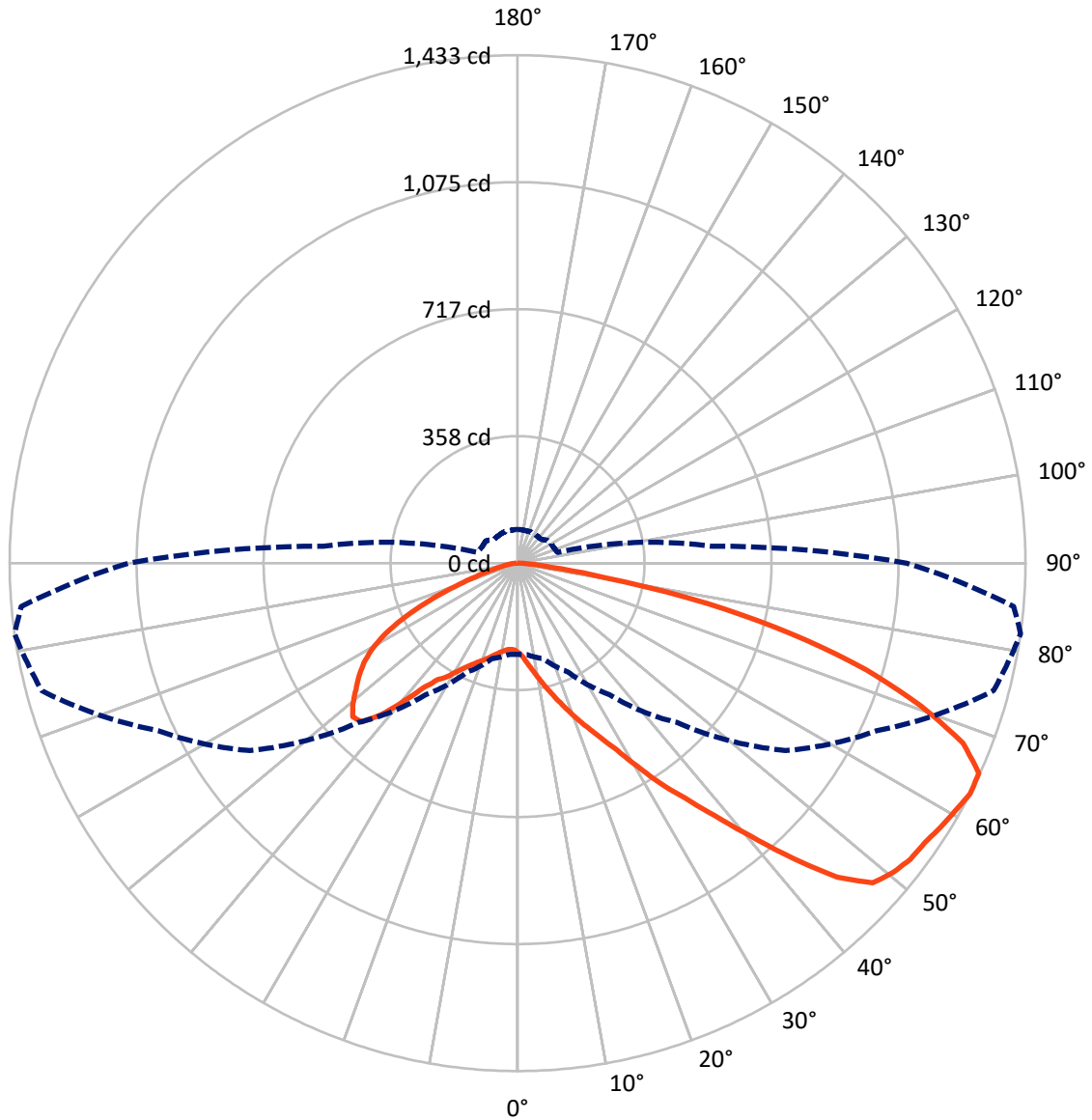
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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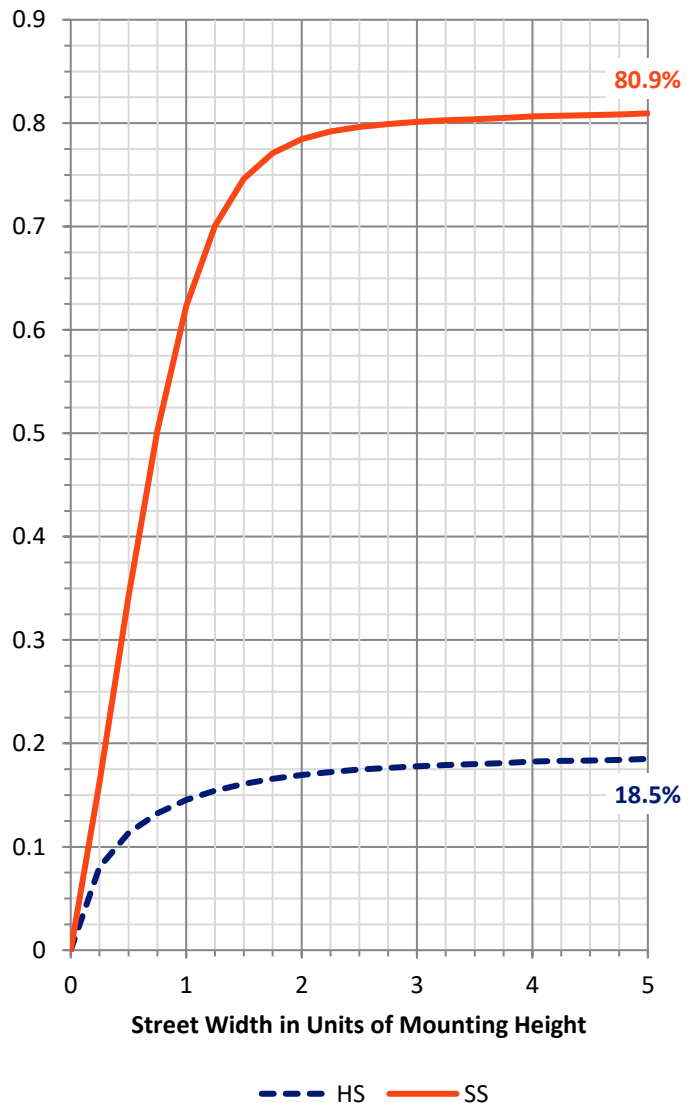
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.4	0.0	446.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1922.9	0.0	1922.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	2369.3	0.0	2369.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	1.2
10°-20°	105.2	4.4
20°-30°	217.8	9.2
30°-40°	369.6	15.6
40°-50°	503.4	21.2
50°-60°	509.5	21.5
60°-70°	401.6	16.9
70°-80°	197.8	8.3
80°-90°	36.6	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°	2369.3	100.0
0°-180°	2369.3	100.0



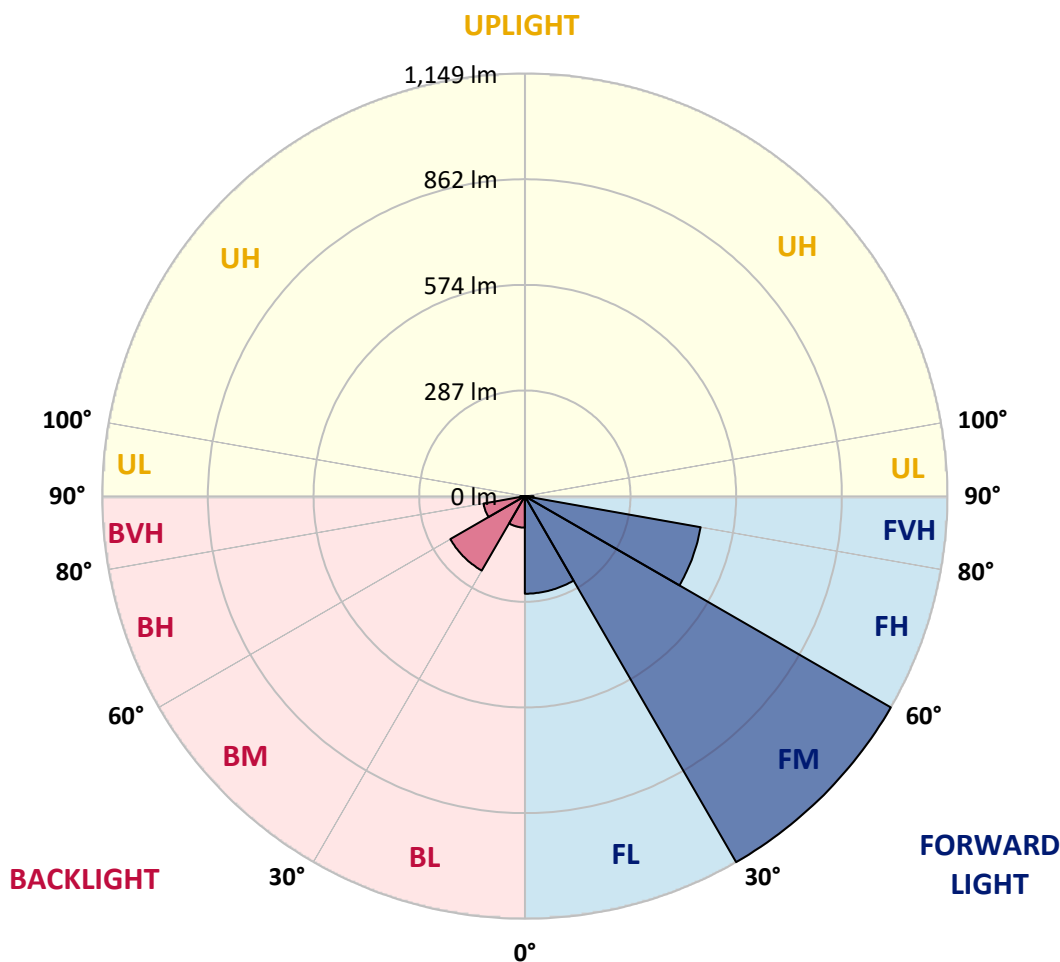
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.2	11.2			
FM (30°-60°)	1148.7	48.5			
FH (60°-80°)	485.3	20.5			G0/660
FVH (80°-90°)	23.8	1.0			G1/100
BL (0°-30°)	85.6	3.6	B0/110		
BM (30°-60°)	233.8	9.9	B1/1000		
BH (60°-80°)	114.1	4.8	B1/500		G1/500
BVH (80°-90°)	12.8	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°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	335.6	330.4	327.7	324.6	316.1	310.6	300.4	288.5	274.6	262.9	260.7
5°	406.3	401.2	401.9	394.4	382.0	370.4	351.2	328.7	302.5	282.3	275.3
7.5°	456.3	450.7	452.1	449.0	438.9	426.1	401.9	372.9	334.5	304.7	293.4
10°	489.8	490.4	491.5	490.3	483.8	474.8	450.7	418.6	370.9	331.1	315.8
12.5°	527.6	529.5	529.2	529.7	526.3	519.1	495.6	465.4	409.6	359.6	339.6
15°	575.9	574.0	575.6	577.8	574.0	566.2	545.4	509.6	450.2	391.3	366.6
17.5°	628.8	624.9	629.0	626.7	624.0	618.9	596.0	557.8	492.2	425.6	396.6
20°	674.5	672.0	674.2	674.5	675.0	674.0	650.5	609.9	536.2	463.0	429.0
22.5°	725.9	724.7	724.3	724.5	725.0	726.2	710.2	666.8	585.0	502.2	464.0
25°	797.7	796.5	788.6	779.9	774.8	778.6	770.2	731.5	638.9	546.2	502.4
27.5°	878.2	876.3	865.9	843.9	827.5	830.3	829.4	802.8	701.0	596.7	548.4
30°	961.8	957.2	942.9	912.0	886.2	881.4	883.8	875.0	779.1	663.8	612.6
32.5°	1036.3	1027.8	1008.9	977.7	946.9	933.1	933.5	937.4	864.0	741.9	679.8
35°	1081.9	1076.3	1062.1	1030.5	996.2	987.0	984.5	1004.1	942.0	814.2	740.0
37.5°	1106.4	1101.0	1085.8	1060.4	1034.5	1030.7	1035.5	1065.8	1030.5	904.5	821.9
40°	1102.0	1096.2	1086.3	1068.6	1051.5	1054.4	1075.6	1122.5	1127.3	1012.5	938.6
42.5°	1065.5	1059.4	1058.5	1057.3	1049.3	1062.1	1100.3	1163.9	1216.1	1137.2	1079.8
45°	1001.0	997.3	1001.7	1022.2	1032.2	1057.0	1111.9	1184.1	1294.3	1263.9	1213.4
47.5°	919.3	917.1	927.2	959.6	992.2	1041.3	1119.6	1189.5	1348.0	1348.0	1300.9
50°	827.9	827.0	840.3	887.4	938.4	1012.5	1118.7	1194.6	1371.5	1372.7	1331.8
52.5°	700.3	704.7	740.2	802.3	871.5	967.2	1106.8	1209.0	1384.8	1387.6	1352.4
55°	553.2	557.5	611.1	694.6	783.3	912.3	1071.1	1204.7	1387.4	1393.5	1364.2
57.5°	441.7	442.5	475.9	575.2	685.1	842.0	1030.0	1176.4	1379.9	1406.7	1382.3
60°	345.6	348.3	370.7	449.3	571.1	751.4	984.1	1148.4	1384.2	1419.1	1398.7
62.5°	257.4	258.1	278.9	339.8	453.8	636.0	921.9	1118.6	1390.1	1433.1	1405.3
65°	167.7	167.5	187.6	242.6	339.0	511.3	824.1	1071.8	1390.6	1430.1	1374.8
67.5°	106.6	107.3	116.0	150.6	226.9	385.9	691.1	985.0	1366.4	1355.7	1263.6
70°	86.5	86.7	89.4	98.4	138.2	263.7	519.4	849.2	1289.8	1207.4	1098.3
72.5°	77.1	77.3	78.6	79.7	92.1	158.5	340.8	689.5	1153.7	1029.2	911.1
75°	69.3	69.3	70.1	69.1	75.6	99.5	193.4	518.4	950.2	801.4	688.3
77.5°	60.7	60.6	60.6	60.0	65.3	72.7	96.9	361.8	684.4	546.6	446.4
80°	51.5	51.2	51.7	51.3	56.5	55.1	56.5	223.3	371.0	250.6	190.0
82.5°	40.1	40.1	41.6	42.0	46.6	39.9	39.7	105.9	140.9	93.7	70.1
85°	21.0	23.5	31.7	33.1	35.1	25.1	29.2	49.5	56.5	35.8	25.6
87.5°	6.3	6.7	19.4	21.8	21.7	12.6	17.9	23.9	26.4	15.9	10.4
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°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	255.0	249.1	236.4	225.2	216.6	208.5	202.8	199.9	196.2	196.7	195.5
5°	262.9	250.6	228.2	210.2	198.1	188.8	183.2	180.3	177.6	176.2	177.2
7.5°	274.6	255.5	224.3	202.5	189.9	182.0	178.9	178.1	177.4	176.9	177.8
10°	289.8	264.2	223.6	199.8	188.2	183.4	182.2	181.7	181.0	180.3	180.8
12.5°	305.4	273.8	226.0	200.4	190.9	187.3	185.8	185.1	183.4	182.5	182.7
15°	324.8	285.4	229.3	203.2	194.5	189.9	187.8	185.9	183.2	182.0	182.5
17.5°	345.6	299.2	233.7	205.7	195.8	190.2	186.1	183.4	180.7	178.9	179.1
20°	369.2	312.9	237.6	206.6	195.2	187.3	182.4	179.1	175.5	173.7	173.1
22.5°	393.6	327.2	240.7	205.9	191.4	182.4	176.7	172.8	168.5	165.6	165.8
25°	423.2	346.6	243.3	203.5	186.5	175.9	169.6	164.6	160.2	157.5	157.6
27.5°	458.9	368.6	246.3	199.8	180.5	168.9	161.5	156.6	152.3	149.8	149.4
30°	506.5	397.3	249.7	195.2	173.0	161.2	154.0	148.9	144.8	142.4	142.4
32.5°	560.0	432.3	252.1	189.7	164.6	153.0	146.5	142.4	139.4	136.1	135.8
35°	606.6	459.4	259.5	185.4	157.3	145.3	140.9	138.0	133.4	130.3	129.8
37.5°	675.0	507.2	281.1	184.2	148.4	139.4	138.5	133.1	127.8	122.0	121.5
40°	785.2	589.9	306.4	178.4	139.2	136.1	135.3	127.9	115.5	111.9	111.2
42.5°	925.5	689.5	309.1	161.5	132.7	133.4	130.8	116.5	111.1	108.3	107.6
45°	1052.0	770.4	293.6	144.3	127.9	129.3	124.0	112.2	109.2	106.6	105.9
47.5°	1123.2	795.3	264.2	131.4	124.4	125.7	113.1	110.2	107.1	104.6	103.9
50°	1143.1	773.6	230.1	123.8	121.6	122.1	110.2	108.5	105.8	103.7	102.7
52.5°	1147.0	741.2	198.6	119.4	119.6	115.0	107.6	106.3	104.6	101.3	100.1
55°	1148.8	712.0	170.2	116.7	118.2	105.8	104.9	103.9	102.5	99.1	98.4
57.5°	1153.2	674.7	148.1	114.6	116.5	101.5	101.8	101.2	99.5	97.9	97.6
60°	1140.6	623.0	131.0	112.6	114.1	97.9	98.3	98.6	97.1	96.7	96.6
62.5°	1098.3	549.6	116.5	109.9	109.2	94.3	94.3	95.7	94.3	94.8	94.8
65°	1011.1	456.2	103.5	104.7	101.5	90.4	90.2	92.6	90.6	92.8	93.0
67.5°	862.5	345.3	90.2	96.7	93.5	86.3	87.0	88.9	86.1	90.8	90.8
70°	682.7	234.9	76.4	85.5	85.3	81.7	83.9	83.8	80.7	87.5	86.3
72.5°	508.5	150.8	62.3	71.6	74.5	76.8	80.9	77.3	74.4	78.3	74.7
75°	355.3	94.5	49.1	56.6	62.1	71.3	77.1	69.9	65.7	64.5	63.5
77.5°	212.7	60.4	38.7	43.2	48.4	64.8	72.3	62.3	55.8	55.1	53.1
80°	98.1	39.4	29.5	32.2	34.5	55.6	65.8	53.2	45.4	44.7	42.3
82.5°	44.4	25.9	22.0	23.0	23.2	44.2	55.6	42.1	34.6	56.1	48.6
85°	20.6	16.7	14.3	13.6	13.8	29.5	40.4	29.0	39.4	30.7	23.4
87.5°	8.9	8.5	7.3	5.8	5.3	6.3	15.5	12.1	17.2	6.8	4.6
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)