

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: P672066

Luminaire Tested: **CCP-SA-1A-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672066
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-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

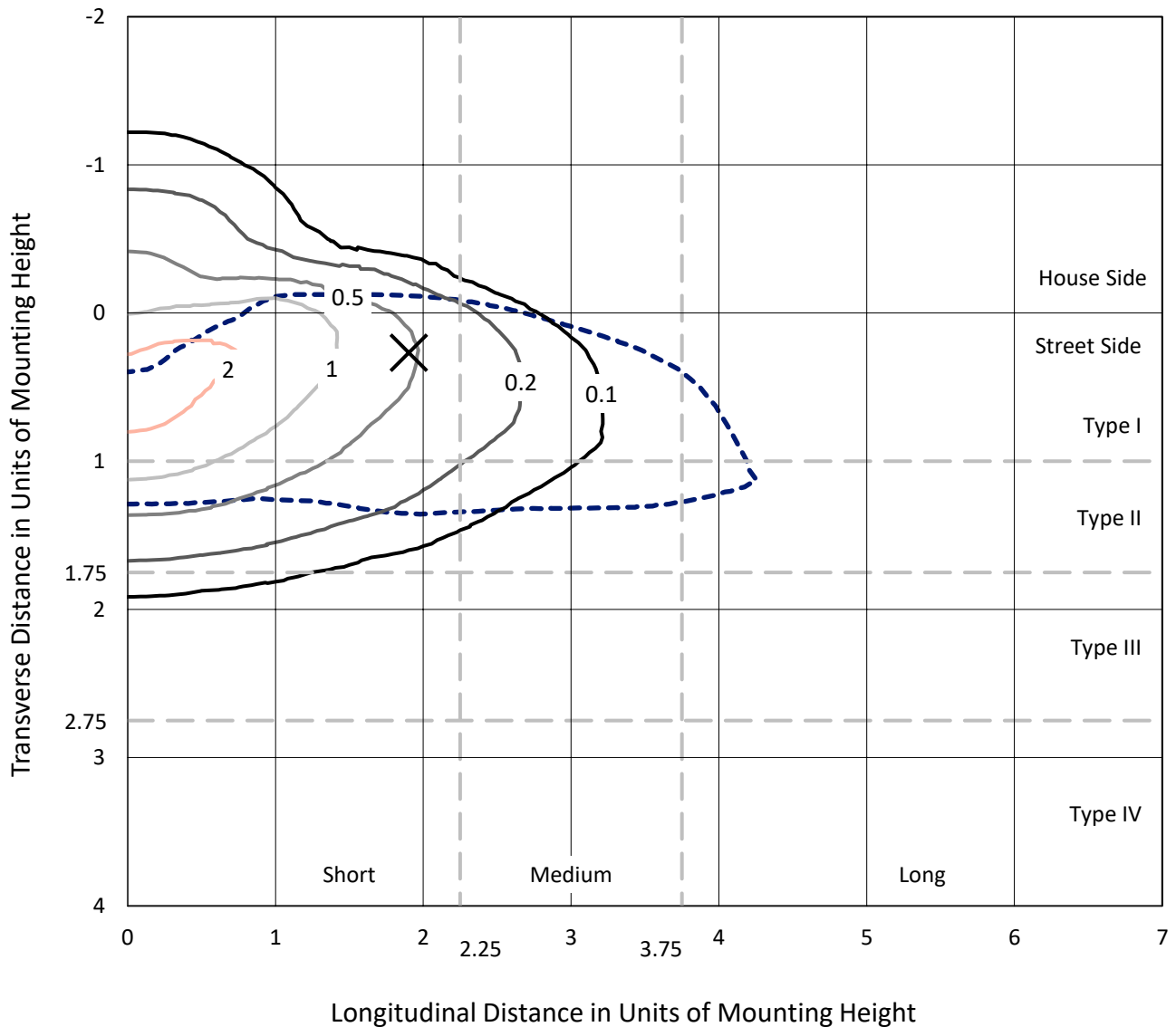
Lumens per Lamp: N/A
Luminaire Lumens: 2047 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

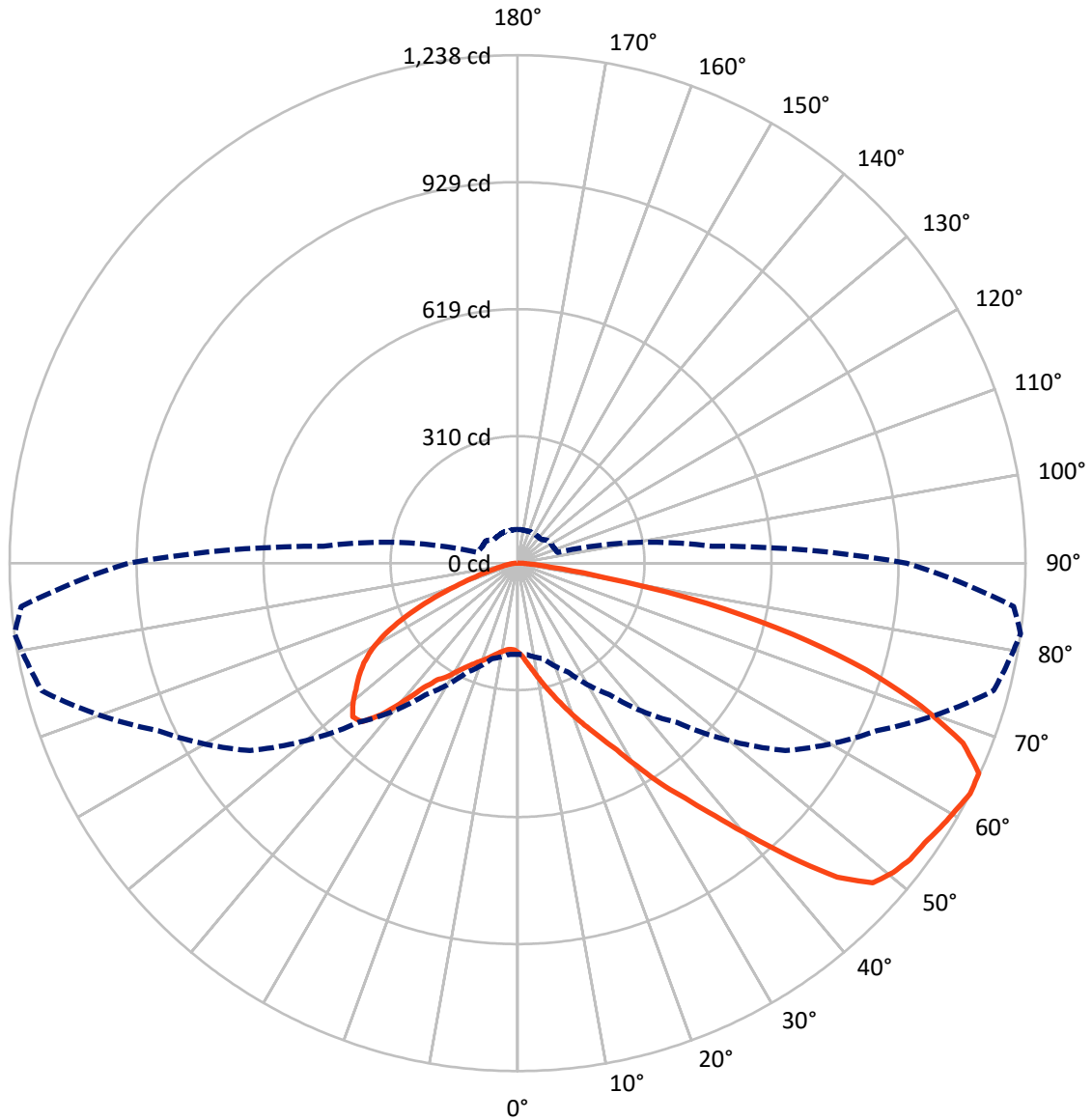
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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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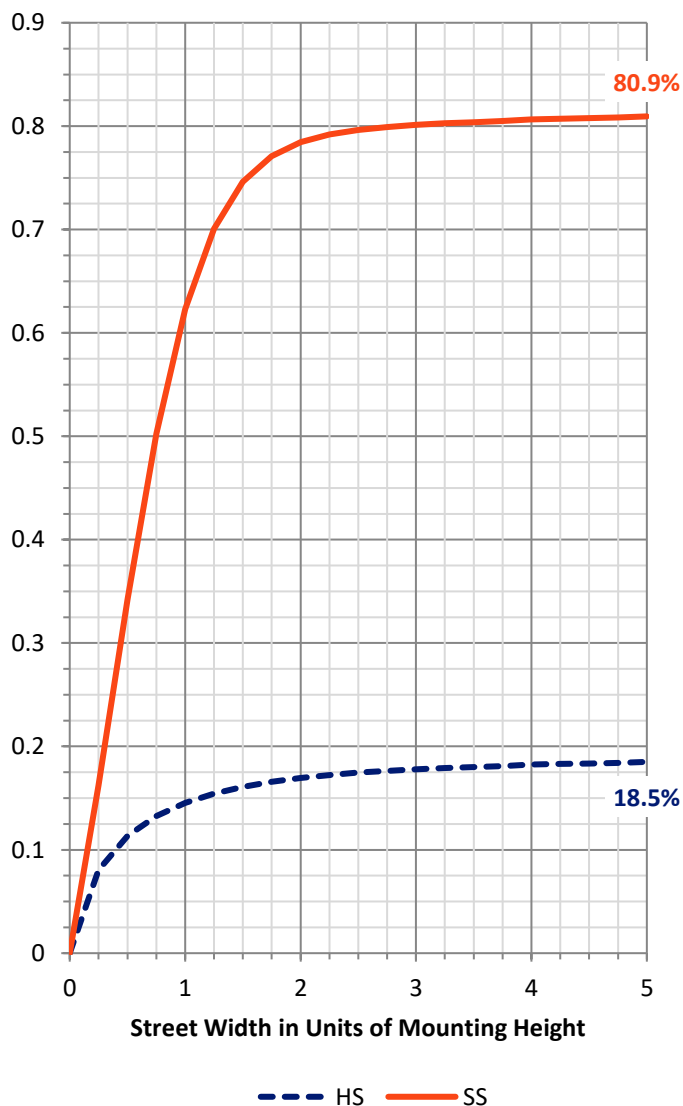
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.6	0.0	385.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1661.3	0.0	1661.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	2047.0	0.0	2047.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.2
10°-20°	90.9	4.4
20°-30°	188.2	9.2
30°-40°	319.4	15.6
40°-50°	434.9	21.2
50°-60°	440.2	21.5
60°-70°	346.9	16.9
70°-80°	170.9	8.3
80°-90°	31.6	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°	2047.0	100.0
0°-180°	2047.0	100.0



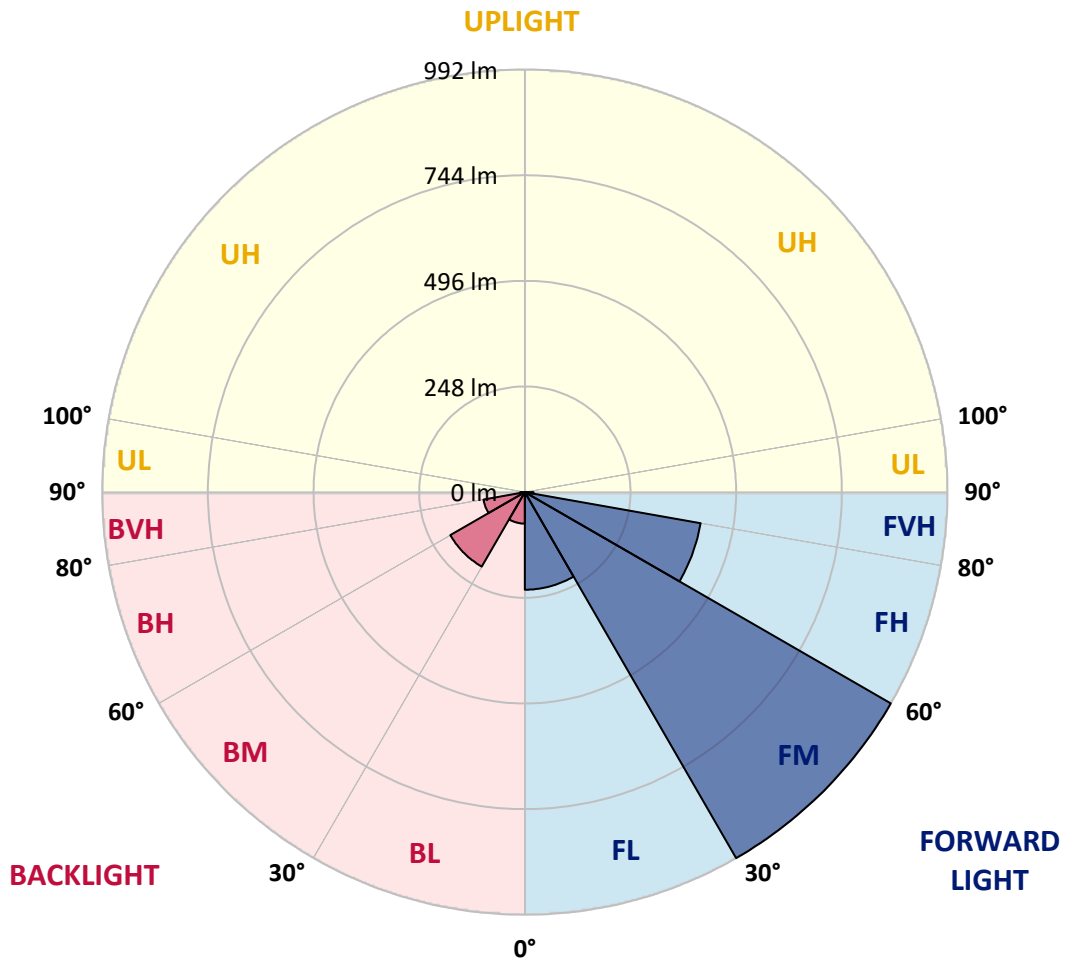
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.1	11.2			
FM (30°-60°)	992.4	48.5			
FH (60°-80°)	419.2	20.5			G0/660
FVH (80°-90°)	20.5	1.0			G1/100
BL (0°-30°)	74.0	3.6	B0/110		
BM (30°-60°)	202.0	9.9	B0/220		
BH (60°-80°)	98.6	4.8	B0/110		G0/110
BVH (80°-90°)	11.1	0.5			G1/100
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°	65°	75°	82°	85°
0°	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7
2.5°	289.9	285.5	283.1	280.5	273.1	268.4	259.5	249.2	237.3	227.1	225.2
5°	351.1	346.6	347.2	340.7	330.0	320.0	303.5	284.0	261.3	243.9	237.9
7.5°	394.2	389.4	390.6	387.9	379.2	368.2	347.2	322.2	289.0	263.2	253.5
10°	423.1	423.7	424.6	423.6	418.0	410.2	389.4	361.7	320.4	286.1	272.8
12.5°	455.8	457.5	457.2	457.6	454.7	448.5	428.1	402.1	353.9	310.7	293.4
15°	497.6	495.9	497.3	499.2	495.9	489.2	471.2	440.2	388.9	338.1	316.7
17.5°	543.2	539.9	543.4	541.5	539.1	534.7	514.9	481.9	425.2	367.7	342.7
20°	582.7	580.5	582.4	582.7	583.2	582.3	562.0	526.9	463.2	400.0	370.7
22.5°	627.1	626.1	625.8	625.9	626.4	627.4	613.5	576.1	505.4	433.9	400.9
25°	689.2	688.1	681.3	673.8	669.4	672.6	665.4	632.0	551.9	471.9	434.0
27.5°	758.7	757.1	748.1	729.1	714.9	717.3	716.6	693.6	605.6	515.5	473.8
30°	830.9	827.0	814.6	787.9	765.6	761.5	763.6	755.9	673.1	573.5	529.2
32.5°	895.3	888.0	871.6	844.6	818.1	806.2	806.5	809.9	746.5	641.0	587.3
35°	934.7	929.8	917.6	890.3	860.7	852.7	850.5	867.5	813.8	703.4	639.3
37.5°	955.9	951.2	938.1	916.1	893.7	890.5	894.6	920.8	890.3	781.4	710.1
40°	952.1	947.1	938.5	923.2	908.5	911.0	929.2	969.8	973.9	874.7	810.9
42.5°	920.5	915.2	914.5	913.5	906.5	917.6	950.6	1005.6	1050.7	982.4	932.9
45°	864.8	861.6	865.4	883.1	891.8	913.2	960.6	1023.0	1118.2	1091.9	1048.3
47.5°	794.2	792.3	801.0	829.0	857.2	899.6	967.3	1027.7	1164.6	1164.6	1123.9
50°	715.2	714.5	726.0	766.7	810.7	874.7	966.5	1032.1	1184.9	1186.0	1150.6
52.5°	605.0	608.8	639.5	693.1	753.0	835.6	956.2	1044.5	1196.4	1198.8	1168.4
55°	478.0	481.6	527.9	600.1	676.8	788.2	925.4	1040.8	1198.6	1204.0	1178.6
57.5°	381.6	382.3	411.2	497.0	591.9	727.5	889.9	1016.3	1192.2	1215.3	1194.2
60°	298.6	301.0	320.3	388.2	493.4	649.2	850.2	992.2	1195.8	1226.1	1208.4
62.5°	222.4	223.0	241.0	293.6	392.0	549.4	796.4	966.4	1201.0	1238.1	1214.1
65°	144.9	144.7	162.1	209.6	292.8	441.7	712.0	926.0	1201.4	1235.5	1187.7
67.5°	92.1	92.7	100.2	130.1	196.0	333.4	597.0	851.0	1180.5	1171.2	1091.6
70°	74.7	74.9	77.2	85.0	119.4	227.9	448.8	733.7	1114.3	1043.2	948.8
72.5°	66.6	66.8	67.9	68.8	79.6	136.9	294.5	595.7	996.7	889.1	787.2
75°	59.8	59.8	60.6	59.7	65.3	85.9	167.1	447.9	820.9	692.4	594.7
77.5°	52.5	52.3	52.3	51.9	56.4	62.8	83.7	312.6	591.3	472.2	385.7
80°	44.5	44.2	44.7	44.4	48.8	47.6	48.8	192.9	320.6	216.5	164.2
82.5°	34.6	34.6	36.0	36.3	40.2	34.5	34.3	91.5	121.7	80.9	60.6
85°	18.1	20.3	27.4	28.6	30.4	21.7	25.2	42.7	48.8	30.9	22.1
87.5°	5.5	5.7	16.8	18.9	18.7	10.9	15.5	20.6	22.8	13.7	9.0
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°	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7	217.7
2.5°	220.3	215.2	204.3	194.5	187.2	180.1	175.2	172.7	169.5	169.9	168.9
5°	227.1	216.5	197.2	181.6	171.1	163.2	158.3	155.8	153.4	152.2	153.1
7.5°	237.3	220.8	193.8	174.9	164.0	157.3	154.6	153.9	153.3	152.8	153.6
10°	250.4	228.3	193.2	172.6	162.6	158.4	157.4	157.0	156.4	155.8	156.2
12.5°	263.8	236.5	195.3	173.2	164.9	161.8	160.5	159.9	158.4	157.7	157.8
15°	280.6	246.6	198.1	175.5	168.0	164.0	162.3	160.6	158.3	157.3	157.7
17.5°	298.6	258.5	201.9	177.7	169.2	164.3	160.8	158.4	156.1	154.6	154.7
20°	318.9	270.3	205.3	178.5	168.6	161.8	157.5	154.7	151.7	150.0	149.6
22.5°	340.0	282.7	208.0	177.9	165.4	157.5	152.7	149.3	145.6	143.1	143.3
25°	365.7	299.5	210.2	175.8	161.1	151.9	146.5	142.2	138.4	136.0	136.2
27.5°	396.5	318.5	212.8	172.6	155.9	145.9	139.6	135.3	131.6	129.4	129.1
30°	437.6	343.2	215.8	168.6	149.4	139.3	133.1	128.7	125.1	123.1	123.1
32.5°	483.9	373.5	217.8	163.9	142.2	132.2	126.6	123.1	120.4	117.6	117.3
35°	524.1	396.9	224.2	160.2	135.9	125.6	121.7	119.2	115.3	112.6	112.2
37.5°	583.2	438.2	242.9	159.2	128.2	120.4	119.7	115.0	110.4	105.4	104.9
40°	678.4	509.6	264.7	154.2	120.3	117.6	116.9	110.5	99.8	96.7	96.1
42.5°	799.5	595.7	267.1	139.6	114.7	115.3	113.0	100.7	95.9	93.6	93.0
45°	908.9	665.6	253.6	124.7	110.5	111.7	107.1	97.0	94.3	92.1	91.5
47.5°	970.4	687.1	228.3	113.5	107.4	108.6	97.7	95.2	92.6	90.3	89.8
50°	987.6	668.4	198.8	107.0	105.1	105.5	95.2	93.7	91.4	89.6	88.7
52.5°	991.0	640.4	171.6	103.2	103.3	99.3	93.0	91.8	90.3	87.5	86.5
55°	992.5	615.2	147.1	100.8	102.1	91.4	90.6	89.8	88.6	85.6	85.0
57.5°	996.3	582.9	127.9	99.0	100.7	87.7	88.0	87.4	85.9	84.6	84.3
60°	985.4	538.2	113.2	97.3	98.6	84.6	84.9	85.2	83.9	83.6	83.4
62.5°	948.8	474.9	100.7	94.9	94.3	81.5	81.5	82.7	81.5	81.9	81.9
65°	873.5	394.1	89.5	90.5	87.7	78.1	78.0	80.0	78.3	80.2	80.3
67.5°	745.2	298.3	78.0	83.6	80.8	74.6	75.2	76.8	74.4	78.4	78.4
70°	589.8	202.9	66.0	73.8	73.7	70.6	72.5	72.4	69.7	75.6	74.6
72.5°	439.3	130.3	53.8	61.9	64.4	66.3	69.9	66.8	64.3	67.6	64.6
75°	307.0	81.6	42.4	48.9	53.6	61.6	66.6	60.4	56.7	55.7	54.8
77.5°	183.8	52.2	33.5	37.3	41.9	56.0	62.5	53.8	48.2	47.6	45.8
80°	84.7	34.0	25.5	27.9	29.8	48.0	56.9	46.0	39.2	38.6	36.6
82.5°	38.3	22.4	19.0	19.9	20.0	38.2	48.0	36.4	29.9	48.5	42.0
85°	17.8	14.4	12.4	11.8	11.9	25.5	34.9	25.1	34.0	26.5	20.2
87.5°	7.7	7.4	6.3	5.0	4.6	5.5	13.4	10.5	14.9	5.9	4.0
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)