

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: P672221

Luminaire Tested: **CCP-SA-1A-727-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672221
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

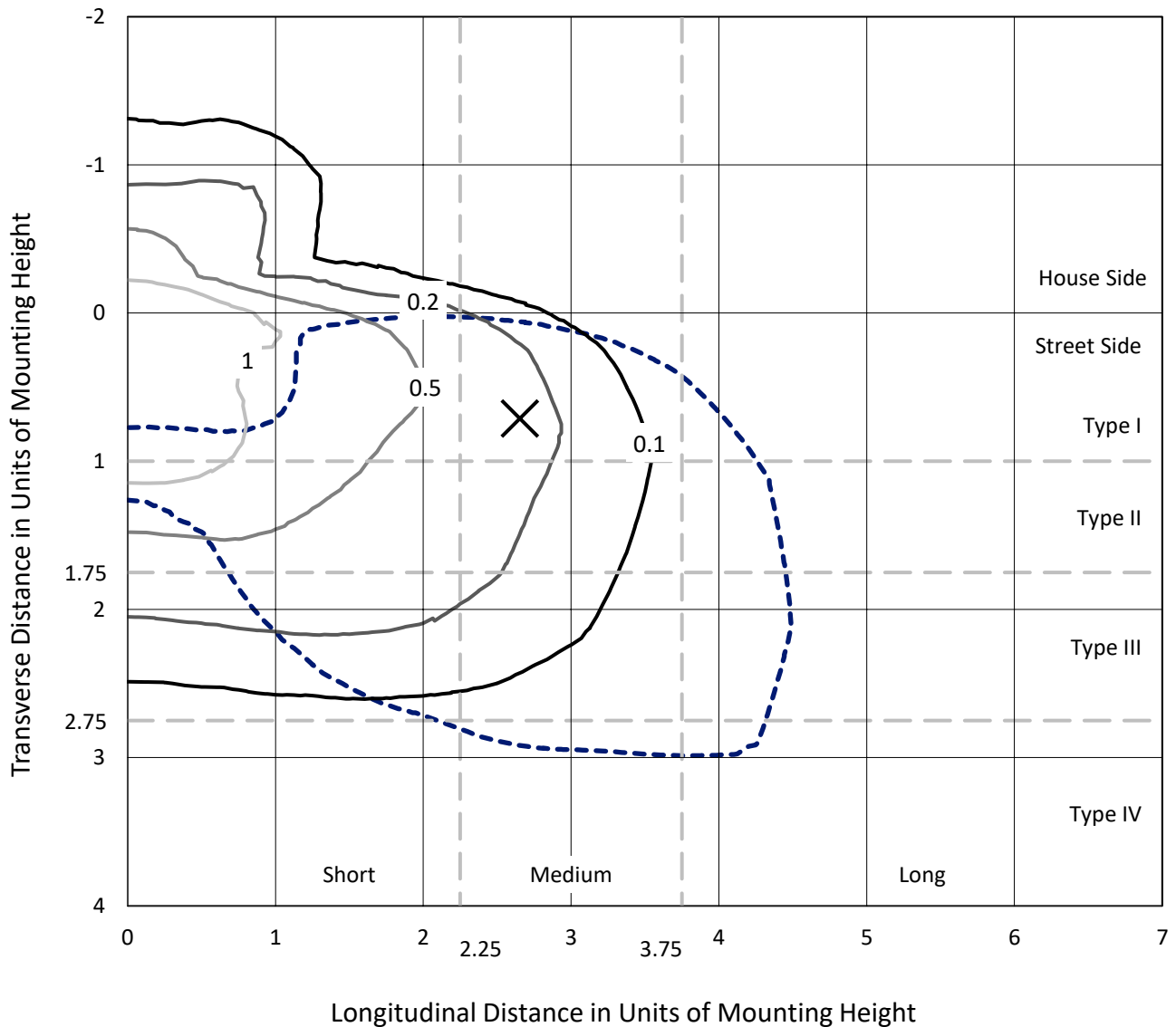
Lumens per Lamp: N/A
Luminaire Lumens: 2325.4 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

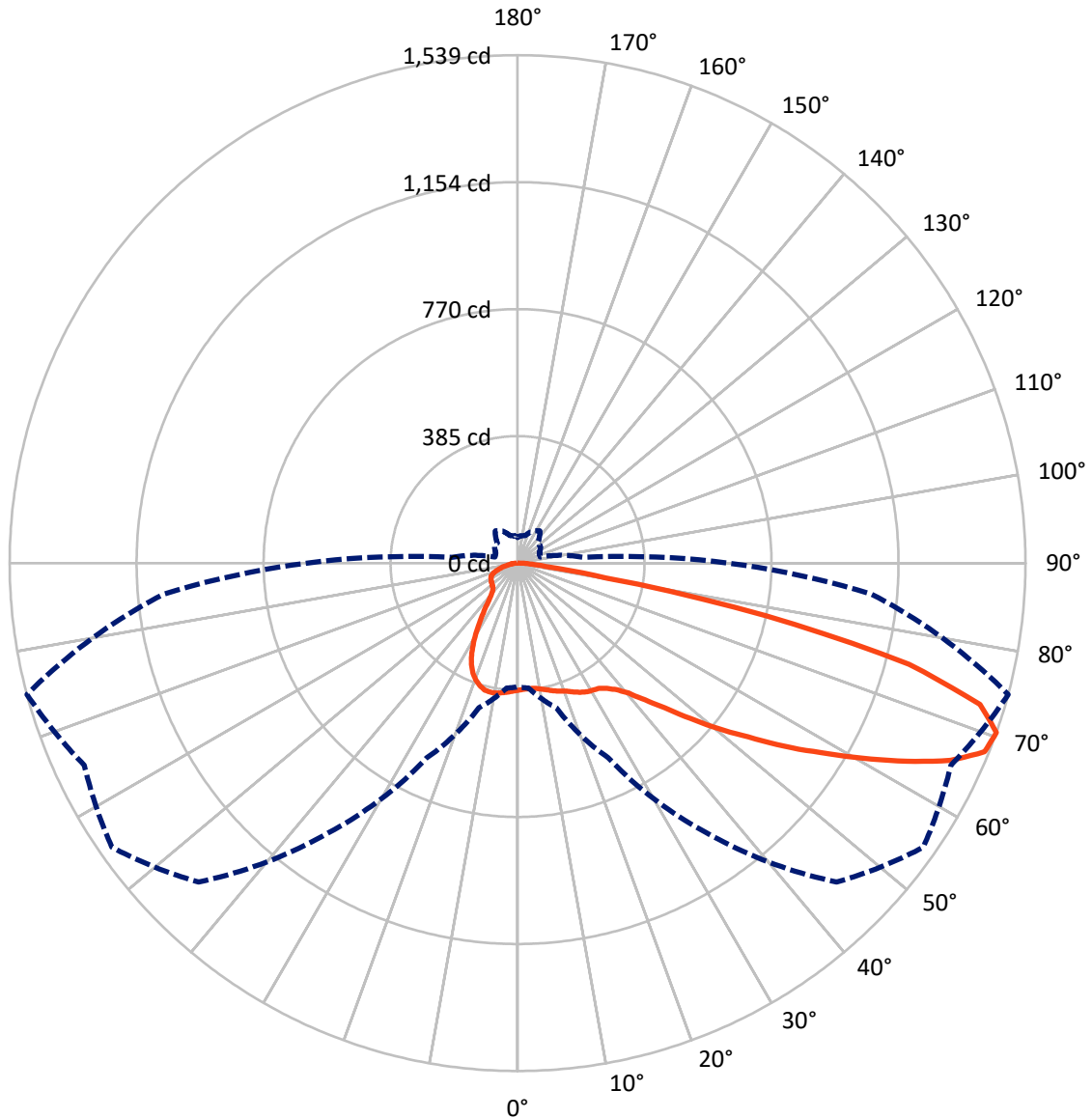
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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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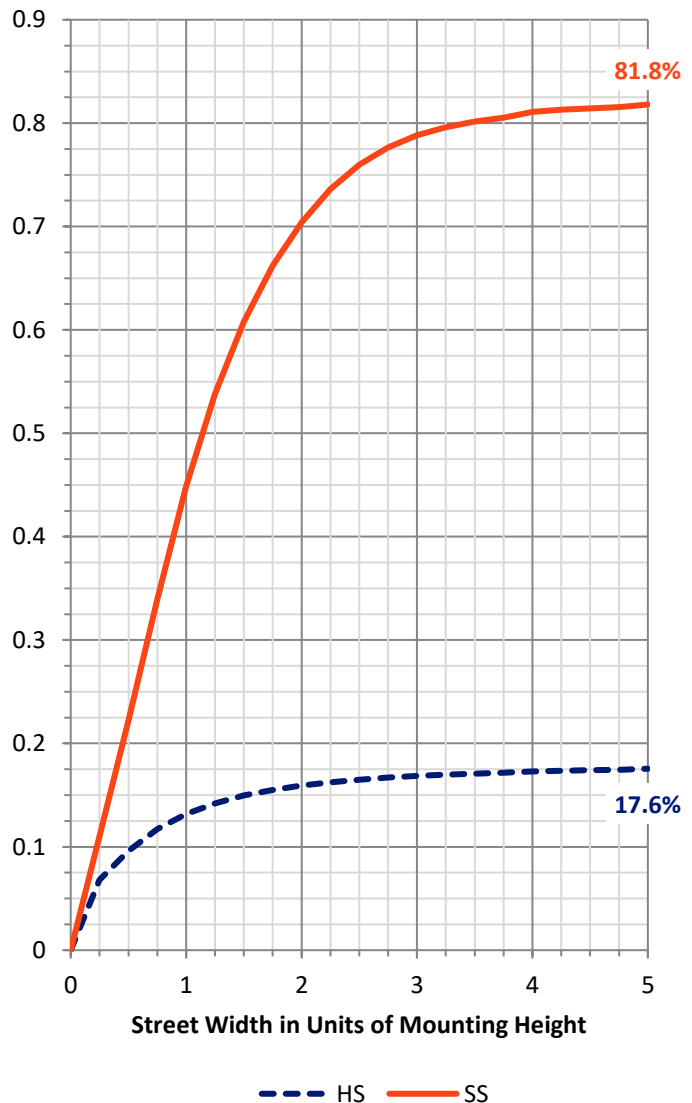
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	413.7	0.0	413.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	1911.7	0.0	1911.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	2325.4	0.0	2325.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	1.5
10°-20°	92.3	4.0
20°-30°	155.6	6.7
30°-40°	236.3	10.2
40°-50°	338.5	14.6
50°-60°	448.8	19.3
60°-70°	561.7	24.2
70°-80°	410.2	17.6
80°-90°	47.3	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°	2325.4	100.0
0°-180°	2325.4	100.0



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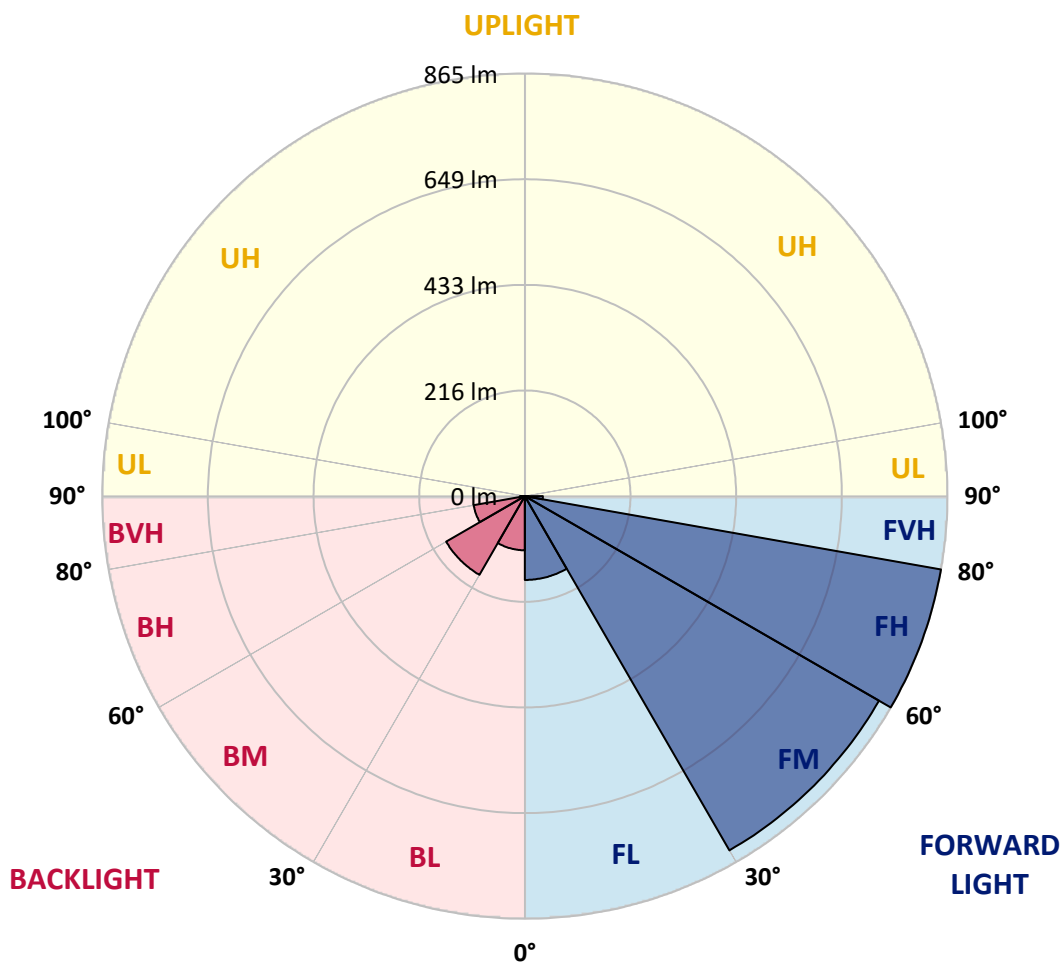
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.6	7.4			
FM (30°-60°)	837.7	36.0			
FH (60°-80°)	865.5	37.2			G1/1800
FVH (80°-90°)	36.9	1.6			G1/100
BL (0°-30°)	110.9	4.8	B1/500		
BM (30°-60°)	186.0	8.0	B0/220		
BH (60°-80°)	106.4	4.6	B0/110		G0/110
BVH (80°-90°)	10.4	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°	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2
2.5°	364.1	366.1	368.0	369.8	371.3	375.3	376.2	380.5	381.7	382.7	384.0
5°	343.7	345.2	347.0	350.1	353.2	360.4	365.5	375.0	380.3	382.0	386.7
7.5°	332.7	333.2	335.7	338.2	341.9	348.9	355.7	370.6	381.3	383.2	393.2
10°	324.6	325.3	327.6	331.1	334.8	341.4	349.9	367.6	385.0	387.9	402.1
12.5°	321.8	321.4	324.1	326.5	331.6	339.8	348.7	367.8	390.0	394.1	415.0
15°	333.2	331.0	332.7	331.8	333.5	341.5	352.1	371.5	396.2	401.3	428.4
17.5°	358.3	356.4	355.2	348.0	343.4	347.9	357.9	376.7	402.8	408.1	440.4
20°	395.7	390.6	386.2	374.2	361.1	359.6	366.6	381.8	409.0	414.1	453.1
22.5°	438.4	434.2	427.2	406.1	385.9	375.8	377.7	391.4	418.0	423.7	467.7
25°	492.3	492.1	477.7	449.3	418.7	398.4	394.6	406.6	428.2	433.7	479.7
27.5°	553.7	549.5	532.4	495.8	457.3	426.4	417.3	422.2	436.4	442.1	489.4
30°	606.2	606.7	589.3	549.3	498.5	453.6	436.6	433.4	441.8	447.4	498.5
32.5°	662.5	659.6	643.7	602.6	543.0	482.9	448.9	441.4	447.3	452.6	511.0
35°	715.3	712.2	698.4	654.1	592.0	515.2	465.7	454.0	460.3	466.2	526.4
37.5°	765.7	766.2	750.6	708.3	639.5	553.4	490.4	472.9	479.7	486.3	549.8
40°	809.7	807.2	795.2	757.0	688.9	592.2	518.4	498.6	512.0	518.1	579.5
42.5°	823.8	823.6	828.3	804.9	740.8	638.4	553.2	538.8	557.7	566.7	615.8
45°	811.6	815.2	842.3	841.7	792.6	691.4	600.7	587.7	614.9	625.1	660.1
47.5°	799.5	805.0	841.8	862.8	839.2	749.8	659.1	649.4	688.6	703.3	706.1
50°	781.9	787.1	831.0	865.8	867.6	808.9	734.7	722.5	772.9	788.0	756.2
52.5°	762.4	766.4	811.7	863.6	881.2	855.1	808.9	805.4	863.3	875.5	807.0
55°	654.3	671.3	783.4	858.9	890.5	890.4	881.0	892.5	961.8	980.1	863.8
57.5°	592.2	601.2	703.8	856.2	908.1	923.0	955.5	980.2	1067.1	1083.5	926.3
60°	571.9	580.0	663.8	853.1	943.1	974.0	1028.2	1068.4	1180.2	1200.3	996.3
62.5°	553.5	563.2	647.6	827.8	985.4	1054.9	1115.1	1163.8	1299.5	1323.3	1065.9
65°	516.0	522.9	617.8	806.5	1025.6	1170.1	1240.4	1268.9	1415.1	1441.9	1112.1
67.5°	451.3	457.8	550.7	757.7	1051.7	1290.1	1377.5	1377.6	1504.5	1526.4	1121.8
70°	375.2	380.2	454.0	651.3	997.3	1367.1	1501.1	1448.8	1529.7	1539.3	1075.6
72.5°	268.2	272.6	332.5	481.4	817.7	1304.7	1529.2	1445.7	1468.5	1465.5	944.2
75°	165.3	173.7	203.6	293.8	508.2	1026.6	1376.3	1310.0	1233.1	1224.7	711.0
77.5°	107.8	112.1	137.7	173.4	224.2	589.3	1045.3	982.2	778.6	768.9	382.2
80°	64.8	72.0	90.2	108.9	101.6	225.4	596.9	487.9	275.1	272.1	117.5
82.5°	34.8	41.3	63.6	67.4	57.1	79.6	216.2	158.6	88.0	87.0	44.0
85°	27.6	30.8	45.7	42.7	32.3	40.3	84.3	66.1	45.2	44.2	16.6
87.5°	16.7	21.1	34.6	28.8	16.1	14.6	38.7	31.3	21.3	19.7	6.5
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°	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2	385.2
2.5°	386.5	387.4	388.2	386.5	387.2	386.4	386.4	386.4	384.2	383.5	385.5
5°	390.2	391.4	392.1	386.9	383.7	379.0	375.2	369.3	366.0	363.8	363.8
7.5°	397.7	399.1	396.1	384.5	373.3	360.8	347.9	337.2	329.5	326.1	327.1
10°	408.8	409.3	399.3	378.0	354.1	330.8	312.6	298.4	288.8	284.0	283.3
12.5°	421.7	419.5	399.9	363.6	328.1	296.8	274.6	256.2	244.0	239.3	236.9
15°	434.4	429.2	397.4	346.4	298.7	261.0	232.6	215.2	207.7	205.5	204.6
17.5°	445.8	436.1	389.0	321.6	264.6	219.2	198.3	192.1	192.9	194.9	195.8
20°	456.1	441.3	377.0	292.2	221.9	186.6	181.4	187.1	191.8	194.8	195.3
22.5°	467.5	446.3	360.3	256.4	186.9	171.5	177.7	184.2	188.9	191.9	192.4
25°	476.2	446.1	336.7	213.8	164.8	167.5	174.9	180.7	184.2	186.4	186.2
27.5°	481.7	442.1	305.7	178.9	156.1	164.7	171.7	175.5	177.5	179.2	179.0
30°	483.4	434.4	266.7	153.1	152.1	162.0	167.3	169.7	171.2	172.9	172.9
32.5°	486.8	422.5	223.7	138.7	149.1	159.3	162.5	164.3	163.1	159.0	158.1
35°	490.4	409.3	183.1	132.0	146.2	157.5	160.5	155.6	142.9	141.2	140.6
37.5°	497.6	397.1	148.6	127.3	145.6	158.5	161.0	141.6	130.9	125.7	124.8
40°	509.9	384.9	125.5	124.0	146.4	162.8	154.3	134.9	117.1	107.3	105.6
42.5°	525.9	370.0	112.4	122.3	148.8	169.8	151.9	125.3	105.9	99.2	98.2
45°	544.5	350.2	106.3	122.0	151.6	173.4	152.6	117.6	100.9	95.7	95.4
47.5°	563.7	330.8	103.6	121.6	155.1	171.8	143.4	115.3	98.9	97.4	98.4
50°	584.5	308.7	101.4	120.8	158.0	171.8	138.4	114.8	99.6	102.9	106.3
52.5°	603.9	290.2	98.9	118.3	159.1	168.8	136.9	116.6	100.6	99.7	100.7
55°	627.5	280.6	97.6	114.8	157.0	159.6	135.0	121.6	101.4	94.5	94.5
57.5°	654.4	278.6	95.5	110.1	149.9	146.9	134.9	124.7	99.2	92.9	91.7
60°	686.9	283.0	93.0	104.2	141.4	137.0	133.7	124.7	95.7	90.0	90.5
62.5°	713.2	282.5	91.5	99.1	130.0	126.8	131.5	123.0	94.4	89.7	89.5
65°	719.4	271.7	87.2	92.4	116.0	114.5	129.2	118.8	92.5	87.8	86.5
67.5°	698.4	247.5	80.7	83.5	101.1	101.2	125.0	113.3	90.0	86.8	84.7
70°	639.0	200.1	70.9	72.8	85.0	87.2	118.8	106.8	85.8	82.5	77.3
72.5°	534.8	143.9	59.7	60.2	67.6	73.3	108.1	97.9	79.6	71.8	66.3
75°	395.9	95.5	48.7	48.0	50.7	59.6	92.4	88.0	71.6	59.6	56.7
77.5°	209.3	56.6	37.5	37.6	36.0	45.7	73.3	76.5	63.6	50.2	47.4
80°	71.6	34.0	26.9	28.1	25.4	32.6	54.4	63.6	54.4	41.8	37.0
82.5°	32.8	20.7	19.2	20.1	18.2	22.1	37.3	48.2	43.3	30.5	24.6
85°	16.6	12.4	12.4	13.6	12.0	11.4	20.6	32.0	31.8	20.9	18.1
87.5°	6.9	6.0	5.7	6.5	5.7	4.4	5.9	11.5	16.7	12.5	8.0
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)