

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: P675660

Luminaire Tested: **CCW-SA-2A-722-U-SL4**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675660
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-722-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL4 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

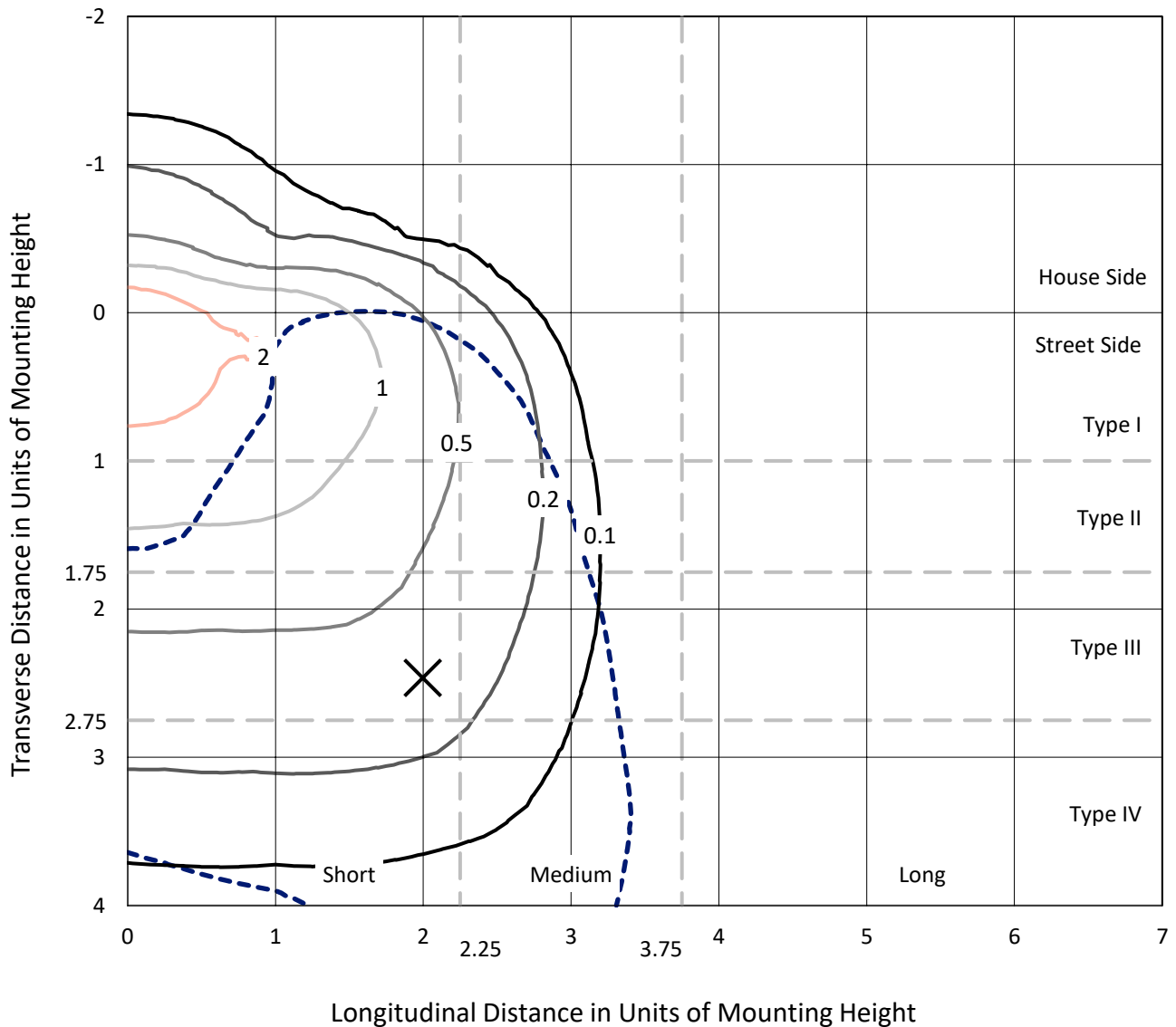
Lumens per Lamp: N/A
Luminaire Lumens: 3949.5 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): 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

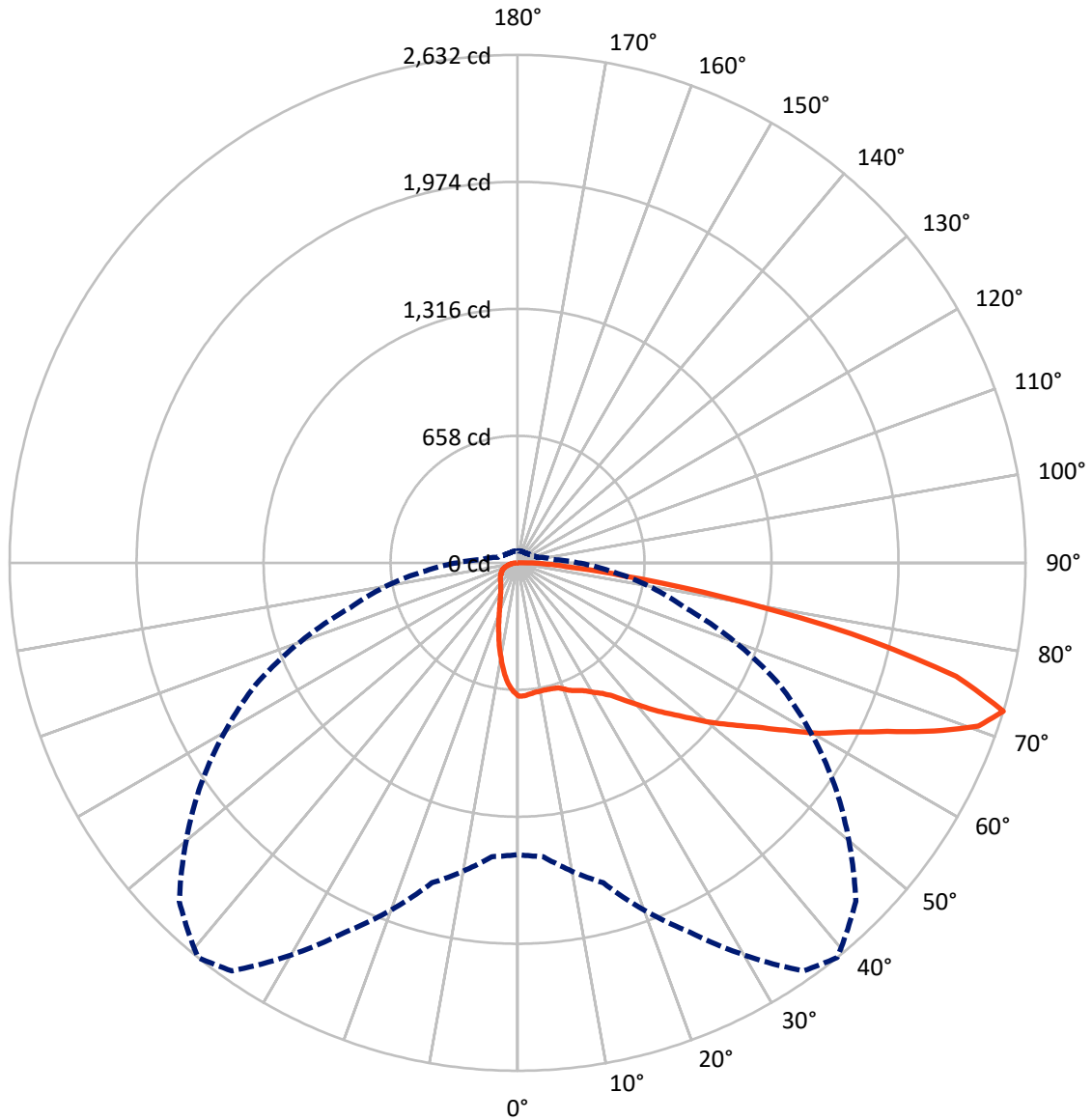
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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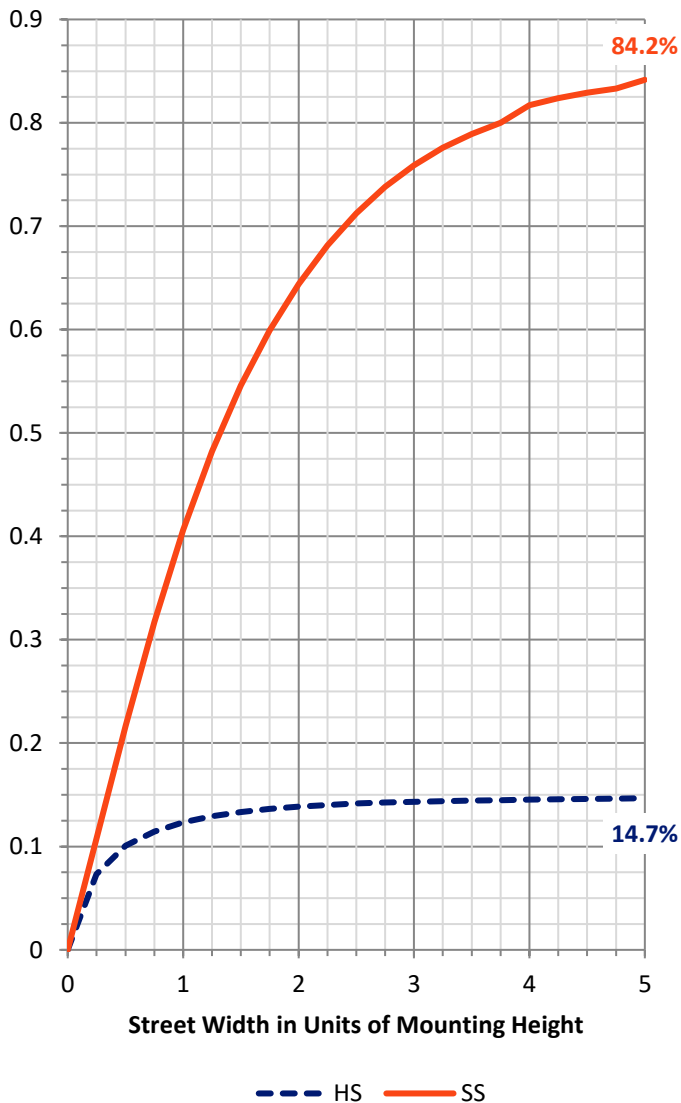
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.0	0.0	587.0
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	3362.5	0.0	3362.5
	% Fixture	85.1	0.0	85.1
Total	Lumens	3949.5	0.0	3949.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	1.5
10°-20°	155.9	3.9
20°-30°	237.5	6.0
30°-40°	347.5	8.8
40°-50°	532.0	13.5
50°-60°	780.2	19.8
60°-70°	995.1	25.2
70°-80°	718.9	18.2
80°-90°	121.3	3.1
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°	3949.5	100.0
0°-180°	3949.5	100.0

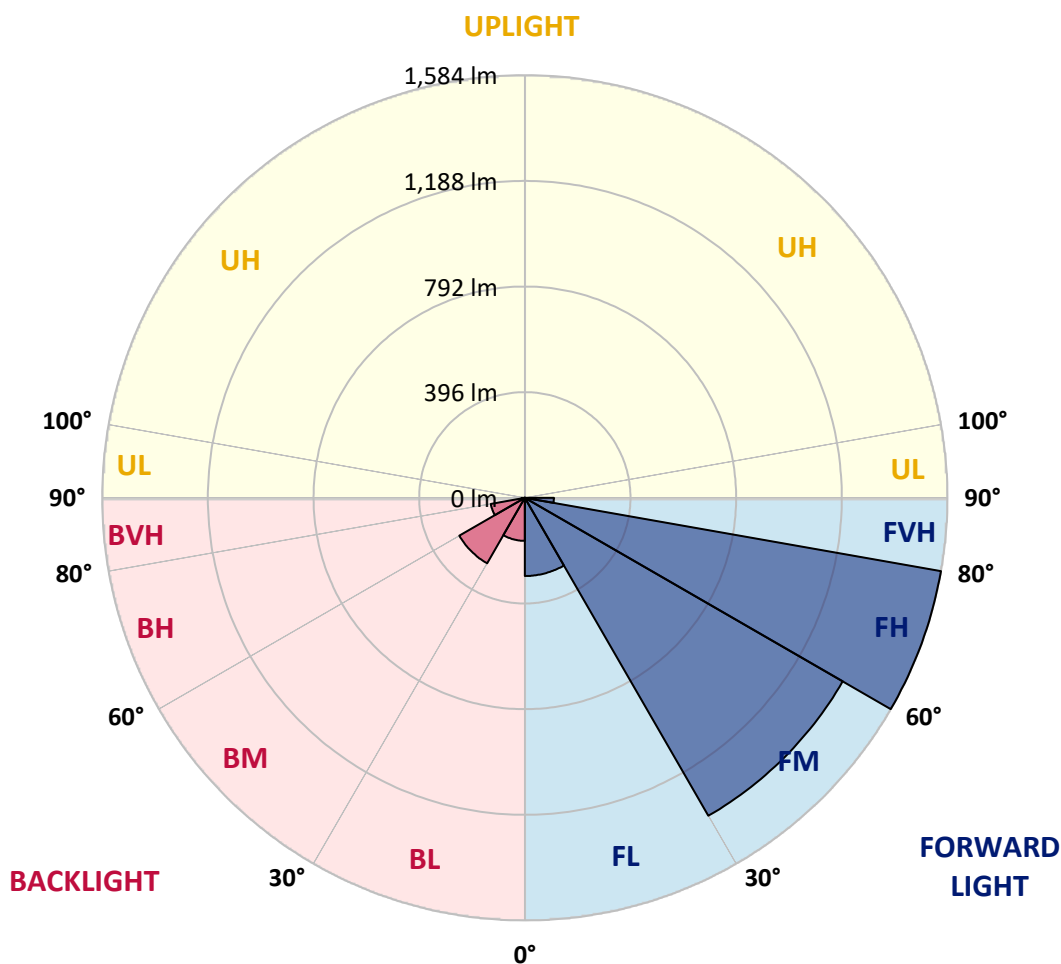


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.1	7.4			
FM (30°-60°)	1376.1	34.8			
FH (60°-80°)	1584.3	40.1			G1/1800
FVH (80°-90°)	109.0	2.8			G2/225
BL (0°-30°)	161.4	4.1	B1/500		
BM (30°-60°)	283.6	7.2	B1/1000		
BH (60°-80°)	129.7	3.3	B1/500		G1/500
BVH (80°-90°)	12.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3
2.5°	701.7	703.2	700.2	697.3	695.8	689.8	695.8	692.8	689.8	689.8	689.8
5°	692.8	694.3	694.3	691.3	692.8	682.4	680.9	682.4	678.0	675.0	673.5
7.5°	679.5	682.4	688.4	686.9	680.9	676.5	678.0	676.5	669.1	664.6	652.8
10°	669.1	672.0	675.0	678.0	676.5	675.0	673.5	667.6	666.1	655.7	643.9
12.5°	658.7	658.7	660.2	672.0	673.5	673.5	664.6	664.6	660.2	658.7	640.9
15°	648.3	652.8	664.6	667.6	673.5	676.5	672.0	672.0	664.6	654.2	640.9
17.5°	651.3	658.7	670.6	678.0	680.9	680.9	686.9	682.4	672.0	666.1	652.8
20°	666.1	667.6	682.4	695.8	698.8	698.8	692.8	688.4	680.9	670.6	652.8
22.5°	675.0	685.4	703.2	710.6	719.5	719.5	712.1	701.7	691.3	680.9	661.7
25°	713.6	715.1	722.5	734.4	738.8	732.9	725.5	713.6	700.2	689.8	672.0
27.5°	740.3	747.7	756.6	762.5	755.1	750.7	744.7	731.4	721.0	712.1	686.9
30°	789.2	780.3	786.3	789.2	775.9	778.9	762.5	750.7	738.8	738.8	710.6
32.5°	818.9	826.3	820.4	818.9	808.5	807.0	796.7	783.3	775.9	784.8	746.2
35°	870.8	866.4	866.4	864.9	853.0	845.6	845.6	821.9	829.3	848.6	801.1
37.5°	897.5	896.1	905.0	912.4	900.5	905.0	900.5	890.1	893.1	927.2	869.4
40°	924.2	934.6	952.4	955.4	962.8	968.8	965.8	964.3	976.2	1031.1	961.3
42.5°	949.5	958.4	985.1	1008.8	1026.6	1045.9	1047.4	1047.4	1086.0	1164.6	1072.6
45°	982.1	989.5	1026.6	1074.1	1103.8	1117.1	1129.0	1142.3	1194.3	1287.7	1191.3
47.5°	1026.6	1032.5	1077.1	1136.4	1194.3	1201.7	1225.4	1240.2	1318.9	1413.8	1312.9
50°	1090.4	1086.0	1121.6	1207.6	1264.0	1299.6	1333.7	1360.4	1437.6	1541.4	1407.9
52.5°	1142.3	1142.3	1169.0	1283.3	1360.4	1394.5	1430.1	1467.2	1556.2	1669.0	1485.0
55°	1231.3	1222.4	1238.8	1357.4	1468.7	1501.3	1569.6	1600.7	1686.8	1763.9	1550.3
57.5°	1292.2	1296.6	1315.9	1455.4	1596.3	1636.4	1704.6	1726.8	1802.5	1863.3	1597.8
60°	1372.3	1357.4	1399.0	1563.7	1737.2	1793.6	1850.0	1863.3	1919.7	1927.1	1620.0
62.5°	1449.4	1446.5	1482.1	1672.0	1888.6	1928.6	1986.5	2001.3	2025.0	1977.6	1588.9
65°	1496.9	1516.2	1582.9	1790.6	2060.6	2105.2	2163.0	2133.3	2106.6	1933.1	1436.1
67.5°	1562.2	1571.1	1673.4	1919.7	2259.4	2326.2	2376.6	2259.4	2060.6	1750.6	1209.1
70°	1577.0	1600.7	1734.3	2054.7	2464.2	2532.4	2535.4	2216.4	1893.0	1424.2	876.8
72.5°	1511.7	1528.1	1716.5	2111.1	2581.4	2631.8	2479.0	2004.3	1499.9	897.5	477.7
75°	1271.4	1317.4	1493.9	1937.5	2366.3	2347.0	2100.7	1529.5	900.5	397.6	201.8
77.5°	885.7	887.2	1071.1	1409.4	1771.4	1766.9	1498.4	887.2	385.7	160.2	118.7
80°	393.1	421.3	532.6	759.6	1075.6	1075.6	873.8	440.6	192.9	103.8	81.6
82.5°	231.4	240.3	284.8	354.6	523.7	551.9	418.4	293.7	132.0	65.3	50.4
85°	170.6	185.4	212.1	213.6	247.8	252.2	231.4	255.2	90.5	35.6	41.5
87.5°	127.6	136.5	169.1	140.9	132.0	124.6	142.4	261.1	34.1	17.8	13.4
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°	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3	691.3
2.5°	683.9	683.9	680.9	675.0	675.0	663.1	666.1	669.1	661.7	661.7	663.1
5°	673.5	667.6	660.2	651.3	645.3	629.0	626.1	615.7	614.2	611.2	606.8
7.5°	652.8	643.9	630.5	617.2	597.9	583.0	565.2	550.4	544.5	540.0	538.5
10°	633.5	632.0	609.7	583.0	553.4	525.2	498.5	479.2	467.3	459.9	458.4
12.5°	633.5	621.6	590.5	553.4	510.3	468.8	434.7	408.0	391.7	379.8	375.3
15°	630.5	618.6	577.1	520.7	471.8	415.4	367.9	339.7	316.0	304.1	305.6
17.5°	633.5	615.7	557.8	497.0	428.7	367.9	311.5	277.4	253.7	244.8	243.3
20°	635.0	612.7	543.0	464.4	384.2	316.0	262.6	229.9	212.1	206.2	206.2
22.5°	632.0	603.8	520.7	425.8	345.7	273.0	228.5	200.3	188.4	181.0	184.0
25°	645.3	602.3	500.0	393.1	301.2	237.4	203.2	182.5	175.1	170.6	172.1
27.5°	648.3	602.3	483.6	356.1	262.6	210.7	184.0	170.6	164.7	161.7	160.2
30°	660.2	605.3	464.4	319.0	231.4	189.9	169.1	161.7	157.3	155.8	155.8
32.5°	692.8	614.2	443.6	287.8	204.7	172.1	158.7	152.8	149.8	148.4	149.8
35°	731.4	637.9	421.3	255.2	185.4	160.2	149.8	145.4	143.9	143.9	143.9
37.5°	790.7	673.5	402.0	228.5	169.1	148.4	140.9	139.5	138.0	139.5	139.5
40°	859.0	712.1	384.2	207.7	157.3	140.9	133.5	133.5	132.0	133.5	135.0
42.5°	937.6	759.6	366.4	186.9	146.9	135.0	129.1	127.6	126.1	129.1	130.6
45°	1045.9	824.9	354.6	175.1	139.5	129.1	123.1	123.1	121.7	121.7	124.6
47.5°	1136.4	887.2	354.6	163.2	135.0	124.6	118.7	118.7	115.7	117.2	117.2
50°	1212.1	940.6	362.0	160.2	129.1	120.2	115.7	112.7	111.3	111.3	111.3
52.5°	1262.5	973.2	367.9	157.3	126.1	114.2	111.3	109.8	106.8	105.3	106.8
55°	1312.9	995.5	369.4	157.3	121.7	108.3	105.3	105.3	102.4	100.9	100.9
57.5°	1332.2	986.6	348.6	154.3	118.7	103.8	100.9	99.4	97.9	96.4	96.4
60°	1323.3	953.9	302.6	146.9	115.7	100.9	94.9	94.9	94.9	92.0	93.5
62.5°	1262.5	842.7	243.3	135.0	111.3	94.9	89.0	92.0	92.0	90.5	90.5
65°	1102.3	695.8	197.3	124.6	105.3	90.5	84.6	89.0	90.5	89.0	87.5
67.5°	881.2	535.6	163.2	112.7	97.9	83.1	78.6	83.1	84.6	83.1	83.1
70°	605.3	345.7	132.0	100.9	87.5	75.7	71.2	74.2	74.2	75.7	75.7
72.5°	313.0	186.9	108.3	86.0	75.7	68.2	63.8	63.8	62.3	62.3	62.3
75°	155.8	127.6	90.5	72.7	63.8	57.9	54.9	51.9	51.9	51.9	51.9
77.5°	108.3	97.9	74.2	57.9	51.9	47.5	47.5	43.0	43.0	43.0	43.0
80°	81.6	77.1	56.4	44.5	40.1	37.1	37.1	35.6	35.6	34.1	34.1
82.5°	57.9	62.3	43.0	32.6	29.7	28.2	28.2	26.7	26.7	23.7	23.7
85°	46.0	51.9	32.6	23.7	22.3	19.3	19.3	17.8	17.8	16.3	14.8
87.5°	13.4	28.2	13.4	8.9	8.9	8.9	8.9	7.4	7.4	5.9	5.9
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)