

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: P675228

Luminaire Tested: **CCW-SA-2A-722-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675228
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-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4066 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
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

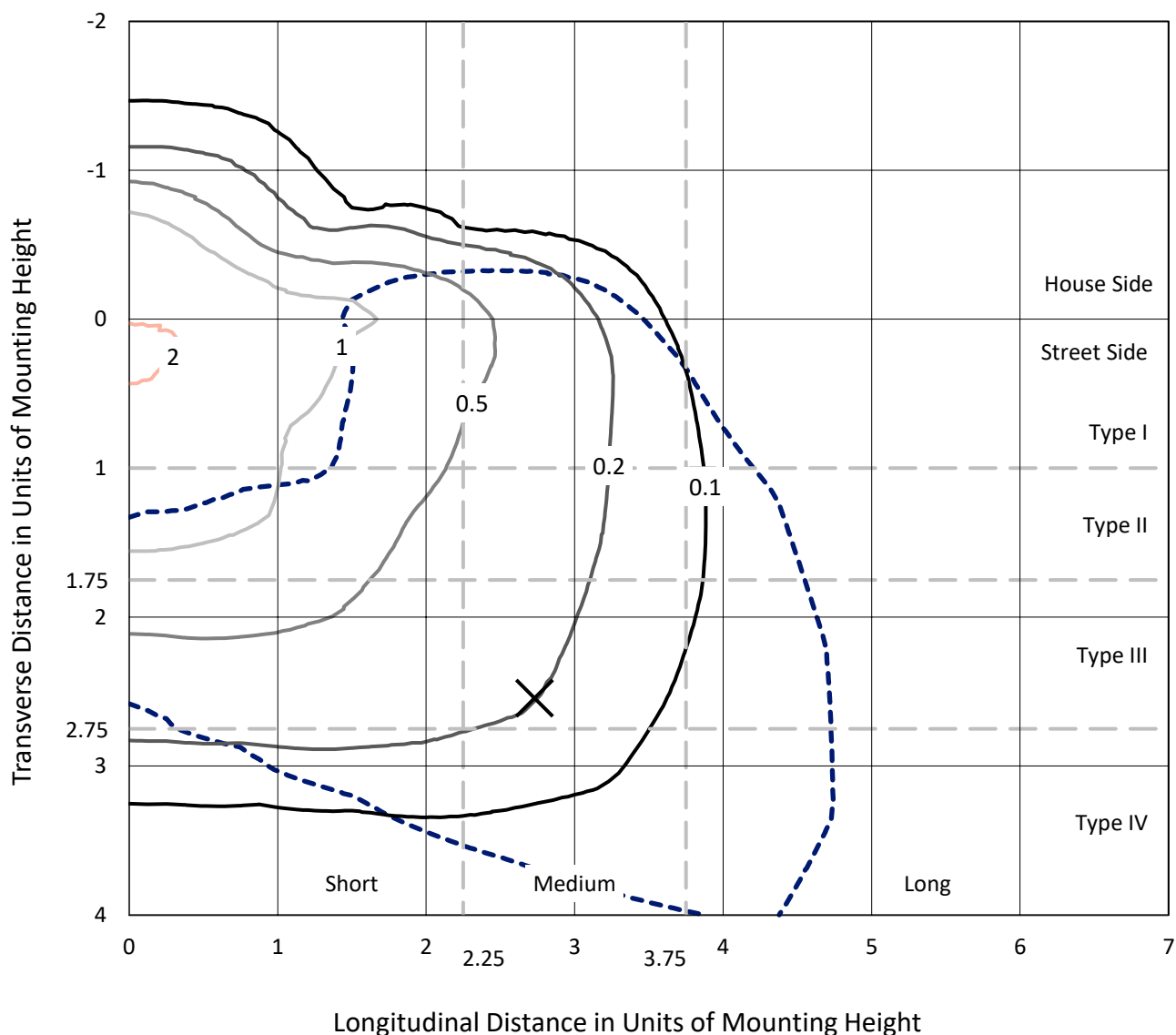
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

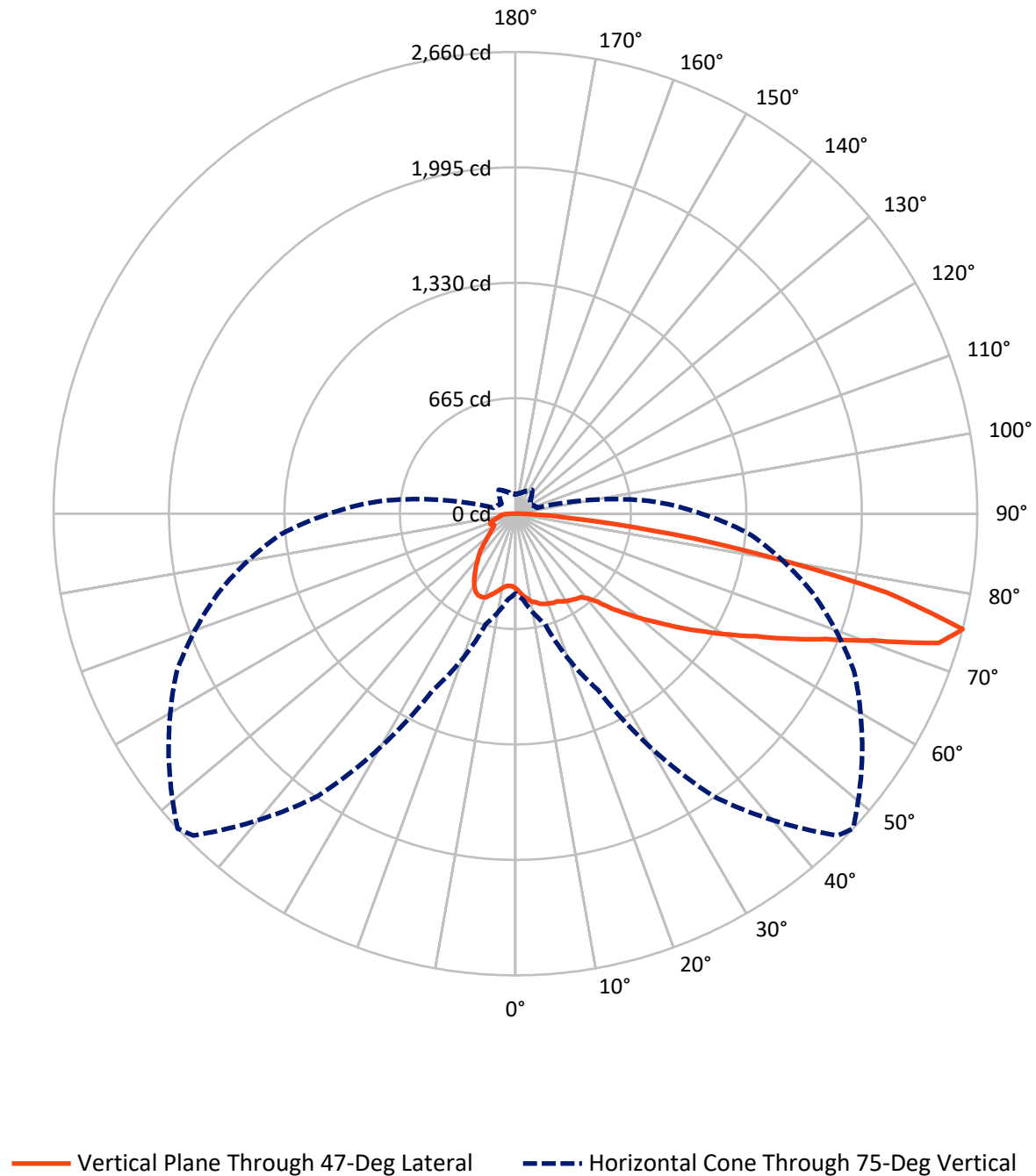
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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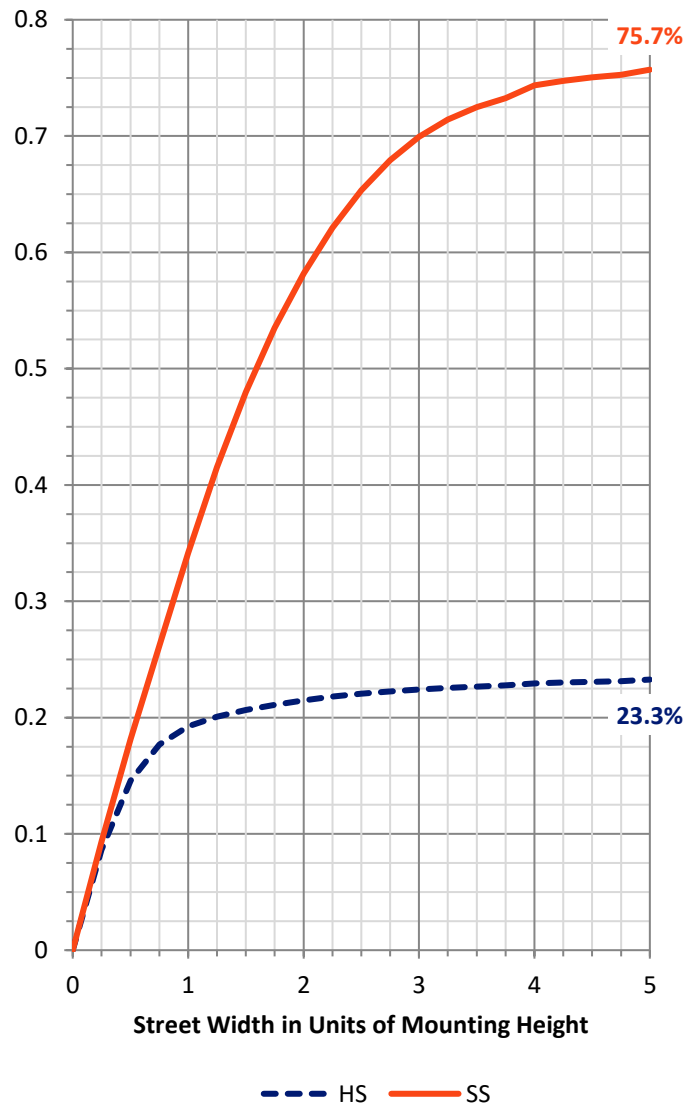
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	972.4	0.0	972.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3093.6	0.0	3093.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	4066.0	0.0	4066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.1
10°-20°	144.9	3.6
20°-30°	248.2	6.1
30°-40°	347.3	8.5
40°-50°	484.3	11.9
50°-60°	723.9	17.8
60°-70°	1043.7	25.7
70°-80°	888.4	21.8
80°-90°	141.5	3.5
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°	4066.0	100.0
0°-180°	4066.0	100.0

Coefficient of Utilization



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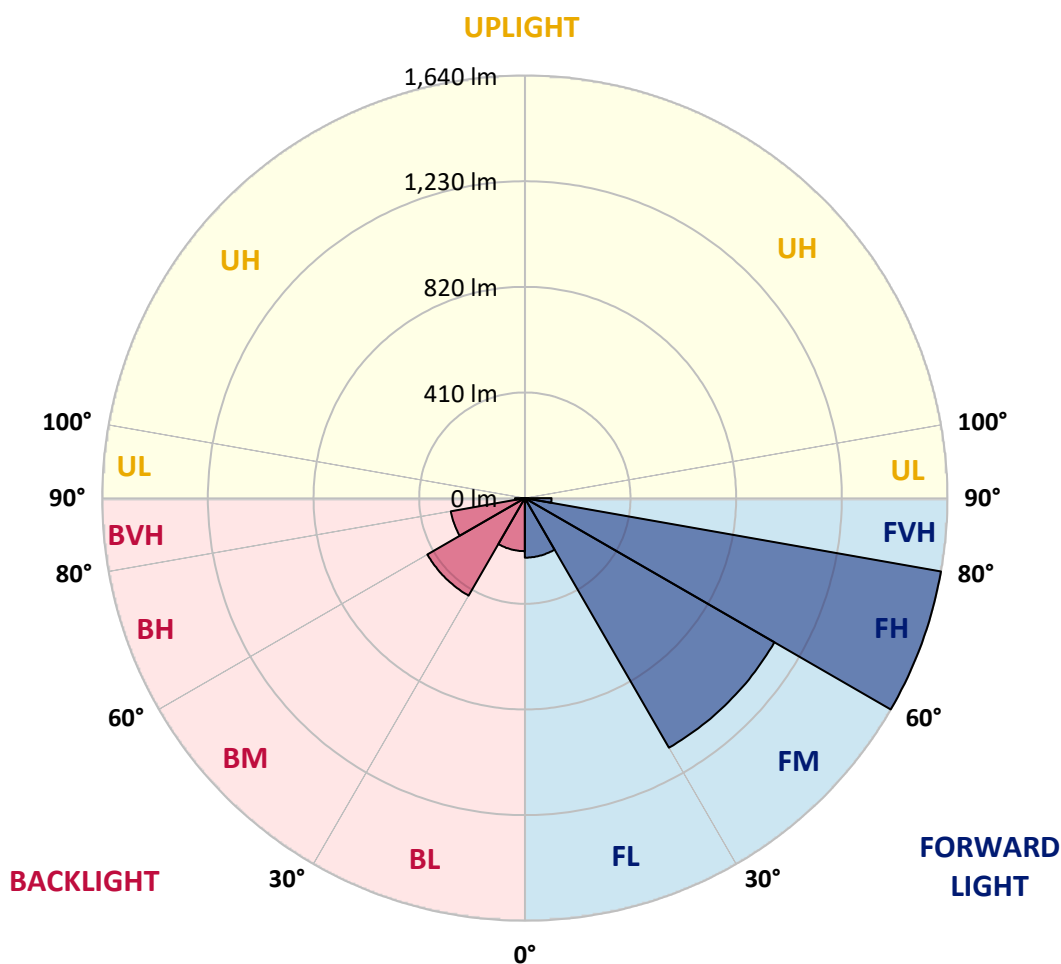
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.0	5.7			
FM	(30°-60°)	1118.5	27.5			
FH	(60°-80°)	1640.4	40.3			G1/1800
FVH	(80°-90°)	103.7	2.6			G2/225
BL	(0°-30°)	205.8	5.1	B1/500		
BM	(30°-60°)	437.0	10.7	B1/1000		
BH	(60°-80°)	291.7	7.2	B1/500		G1/500
BVH	(80°-90°)	37.8	0.9			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7
2.5°	462.9	464.4	464.4	461.4	458.4	452.5	452.5	446.6	443.6	436.2	433.2
5°	505.9	501.4	497.0	495.5	488.1	477.7	476.2	470.3	454.0	446.6	436.2
7.5°	537.1	535.6	534.1	528.2	514.8	498.5	494.0	485.1	468.8	454.0	442.1
10°	562.3	568.2	562.3	548.9	535.6	517.8	516.3	500.0	485.1	467.3	452.5
12.5°	590.5	591.9	581.6	565.2	544.5	529.6	523.7	517.8	501.4	486.6	464.4
15°	609.7	606.8	599.4	577.1	553.4	538.5	540.0	532.6	514.8	504.4	480.7
17.5°	609.7	609.7	597.9	581.6	560.8	547.4	547.4	543.0	531.1	516.3	500.0
20°	597.9	597.9	590.5	581.6	557.8	554.9	551.9	548.9	548.9	535.6	511.8
22.5°	583.0	580.1	583.0	568.2	551.9	554.9	559.3	557.8	553.4	541.5	525.2
25°	568.2	569.7	572.7	562.3	547.4	560.8	559.3	566.7	563.8	554.9	541.5
27.5°	566.7	569.7	571.2	560.8	554.9	566.7	572.7	580.1	581.6	572.7	556.3
30°	589.0	587.5	586.0	572.7	568.2	578.6	584.5	594.9	603.8	584.5	571.2
32.5°	646.8	637.9	629.0	593.4	580.1	587.5	593.4	608.3	609.7	599.4	580.1
35°	738.8	732.9	703.2	640.9	603.8	596.4	602.3	612.7	615.7	608.3	593.4
37.5°	844.2	841.2	799.6	724.0	652.8	617.2	611.2	626.1	637.9	621.6	600.8
40°	948.0	936.1	906.5	832.3	715.1	648.3	640.9	648.3	652.8	640.9	627.6
42.5°	1041.5	1028.1	1020.7	946.5	796.7	700.2	694.3	676.5	689.9	675.0	657.2
45°	1120.1	1117.1	1114.2	1050.4	890.1	784.8	780.4	734.4	749.2	737.3	712.1
47.5°	1176.5	1189.8	1185.4	1149.8	997.0	875.3	862.0	802.6	824.9	813.0	787.8
50°	1243.2	1250.7	1246.2	1222.5	1096.4	979.2	953.9	893.1	918.3	916.8	903.5
52.5°	1302.6	1324.8	1299.6	1298.1	1238.8	1091.9	1048.9	991.0	1032.6	1048.9	1047.4
55°	1372.3	1390.1	1382.7	1379.7	1366.4	1201.7	1163.1	1093.4	1163.1	1186.9	1207.6
57.5°	1431.6	1430.2	1458.4	1492.5	1508.8	1327.8	1281.8	1200.2	1305.5	1332.2	1390.1
60°	1458.4	1483.6	1531.0	1617.1	1663.1	1462.8	1415.3	1350.1	1449.5	1470.2	1577.0
62.5°	1476.2	1498.4	1590.4	1735.8	1762.5	1600.8	1556.3	1491.0	1606.7	1621.5	1780.3
65°	1427.2	1448.0	1630.4	1780.3	1875.2	1749.1	1738.7	1670.5	1764.0	1772.9	1993.9
67.5°	1370.8	1393.1	1596.3	1836.7	2025.1	1946.4	1930.1	1848.5	1919.7	1909.4	2157.1
70°	1271.4	1301.1	1508.8	1885.6	2191.2	2222.4	2189.8	2074.0	2081.5	1983.5	2164.5
72.5°	968.8	988.1	1180.9	1691.3	2268.4	2605.2	2548.8	2317.3	2232.8	1998.4	1910.8
75°	459.9	495.5	658.7	1118.6	1988.0	2623.0	2660.0	2437.5	2152.7	1772.9	1354.5
77.5°	133.5	133.5	200.3	474.7	1246.2	2114.1	2183.8	2069.6	1775.8	1313.0	712.1
80°	72.7	77.1	105.3	167.6	547.4	1333.7	1434.6	1372.3	1045.9	519.3	184.0
82.5°	41.5	43.0	69.7	100.9	249.2	725.5	784.8	712.1	397.6	157.3	86.0
85°	23.7	25.2	40.1	66.8	148.4	267.0	290.8	252.2	160.2	105.3	43.0
87.5°	11.9	11.9	19.3	31.2	75.7	75.7	74.2	90.5	96.4	63.8	19.3
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°	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7
2.5°	431.7	430.2	430.2	424.3	422.8	418.4	418.4	415.4	413.9	418.4	418.4
5°	433.2	425.8	424.3	418.4	419.9	416.9	422.8	419.9	418.4	418.4	416.9
7.5°	436.2	428.8	422.8	418.4	416.9	421.3	428.8	428.8	437.7	433.2	433.2
10°	443.6	439.1	431.7	428.8	428.8	433.2	442.1	448.0	455.5	455.5	451.0
12.5°	461.4	454.0	445.1	440.6	446.6	451.0	459.9	465.8	474.7	477.7	474.7
15°	474.7	467.3	464.4	461.4	465.8	471.8	479.2	485.1	495.5	498.5	497.0
17.5°	492.5	483.6	482.2	483.6	486.6	491.1	495.5	500.0	507.4	507.4	507.4
20°	501.4	498.5	497.0	501.4	507.4	513.3	510.3	507.4	505.9	508.9	507.4
22.5°	517.8	514.8	516.3	520.7	520.7	517.8	513.3	502.9	500.0	502.9	500.0
25°	532.6	529.6	529.6	526.7	525.2	514.8	505.9	497.0	486.6	491.1	489.6
27.5°	547.4	546.0	546.0	534.1	519.3	501.4	489.6	479.2	473.3	480.7	476.2
30°	565.2	566.7	559.3	531.1	495.5	476.2	462.9	461.4	459.9	464.4	462.9
32.5°	581.6	583.0	571.2	526.7	477.7	440.6	427.3	428.8	436.2	443.6	451.0
35°	590.5	597.9	583.0	511.8	442.1	400.6	385.7	399.1	412.4	422.8	430.2
37.5°	606.8	626.1	600.8	495.5	410.9	365.0	354.6	359.0	375.3	391.7	399.1
40°	630.5	652.8	605.3	464.4	369.4	329.4	323.4	324.9	330.8	341.2	348.6
42.5°	672.1	695.8	609.7	424.3	327.9	307.1	290.8	286.3	281.9	281.9	280.4
45°	732.9	755.1	603.8	373.9	286.3	271.5	259.6	249.2	237.4	218.1	221.1
47.5°	821.9	839.7	608.3	329.4	247.8	235.9	227.0	215.1	197.3	176.5	175.1
50°	956.9	930.2	602.3	283.4	219.6	209.2	201.8	185.4	164.7	149.8	148.4
52.5°	1114.2	1060.8	596.4	244.8	195.8	186.9	181.0	163.2	143.9	136.5	135.0
55°	1304.1	1226.9	605.3	210.7	178.0	170.6	164.7	148.4	133.5	127.6	126.1
57.5°	1528.1	1406.4	654.3	184.0	158.7	155.8	154.3	140.9	127.6	123.1	121.7
60°	1738.7	1578.5	686.9	164.7	140.9	143.9	146.9	140.9	126.1	123.1	123.1
62.5°	1915.3	1720.9	635.0	148.4	132.0	140.9	154.3	149.8	143.9	146.9	143.9
65°	2071.1	1769.9	474.7	139.5	127.6	148.4	170.6	169.1	155.8	158.7	157.3
67.5°	2097.8	1710.6	310.1	132.0	124.6	163.2	191.4	173.6	146.9	146.9	142.4
70°	1986.5	1551.8	207.7	124.6	123.1	163.2	195.8	163.2	138.0	138.0	132.0
72.5°	1630.4	1240.3	160.2	117.2	112.8	145.4	185.4	154.3	129.1	126.1	115.7
75°	1071.1	799.6	130.6	111.3	97.9	127.6	167.6	142.4	123.1	114.2	109.8
77.5°	525.2	359.0	109.8	97.9	84.6	111.3	152.8	135.0	115.7	106.8	103.9
80°	143.9	129.1	92.0	86.0	71.2	96.4	143.9	129.1	108.3	99.4	94.9
82.5°	81.6	80.1	74.2	69.7	59.3	96.4	145.4	129.1	102.4	100.9	86.0
85°	44.5	47.5	53.4	51.9	46.0	86.0	138.0	112.8	83.1	69.7	69.7
87.5°	17.8	22.3	26.7	29.7	31.2	63.8	103.9	86.0	63.8	53.4	53.4
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)