

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: P674884

Luminaire Tested: **CCW-SA-2A-830-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674884
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-830-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4336.9 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

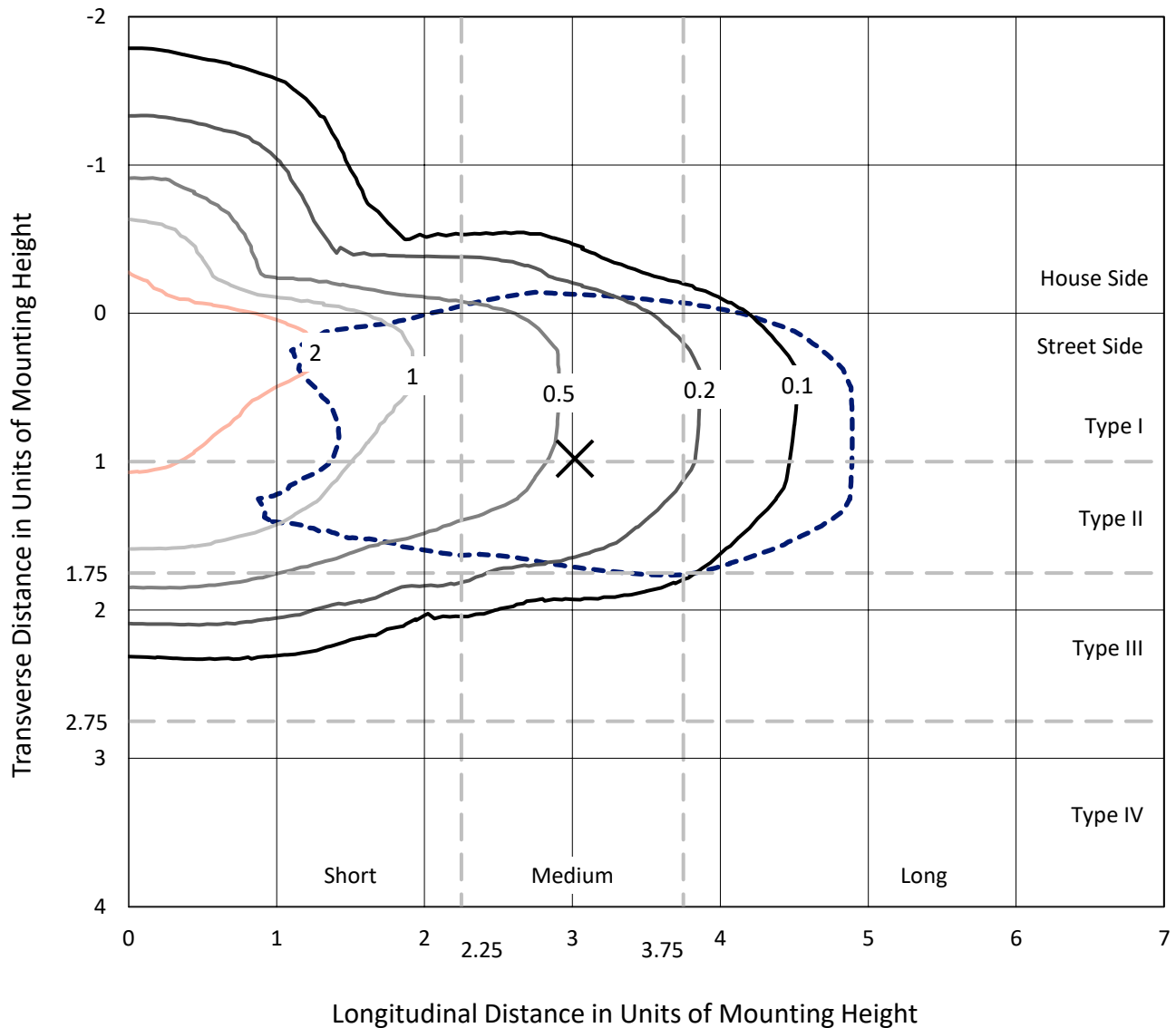
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

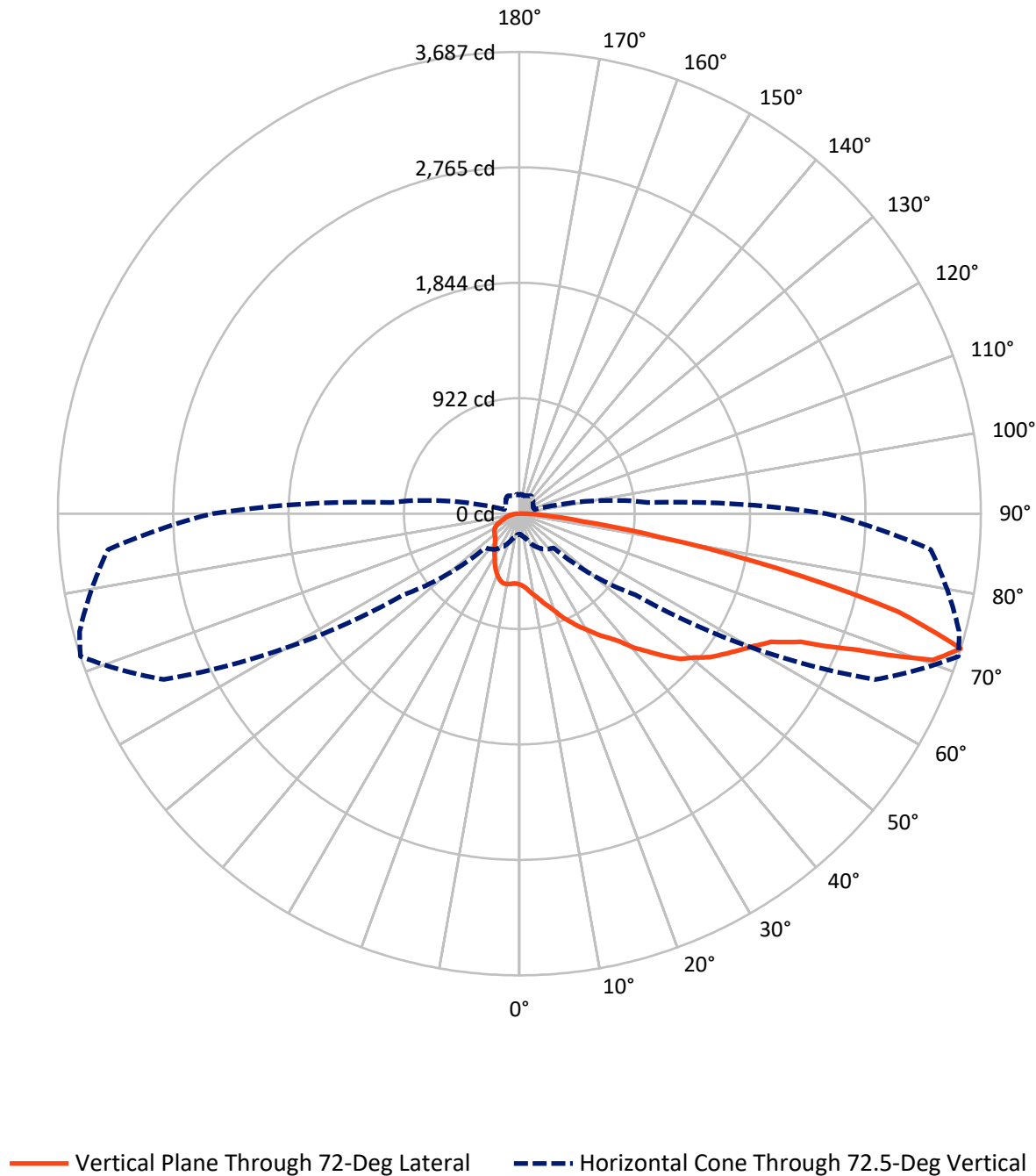


Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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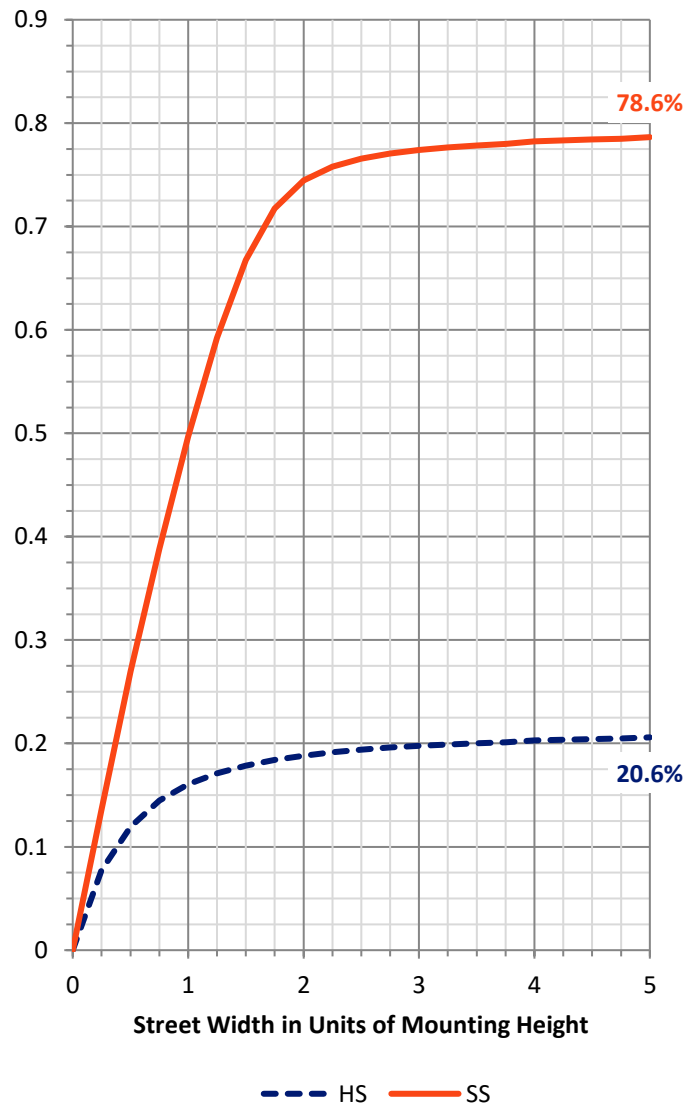
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.7	0.0	912.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3424.2	0.0	3424.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	4336.9	0.0	4336.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.3
10°-20°	174.0	4.0
20°-30°	301.2	6.9
30°-40°	444.8	10.3
40°-50°	661.5	15.3
50°-60°	906.9	20.9
60°-70°	983.7	22.7
70°-80°	693.5	16.0
80°-90°	115.2	2.7
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°	4336.9	100.0
0°-180°	4336.9	100.0

Coefficient of Utilization



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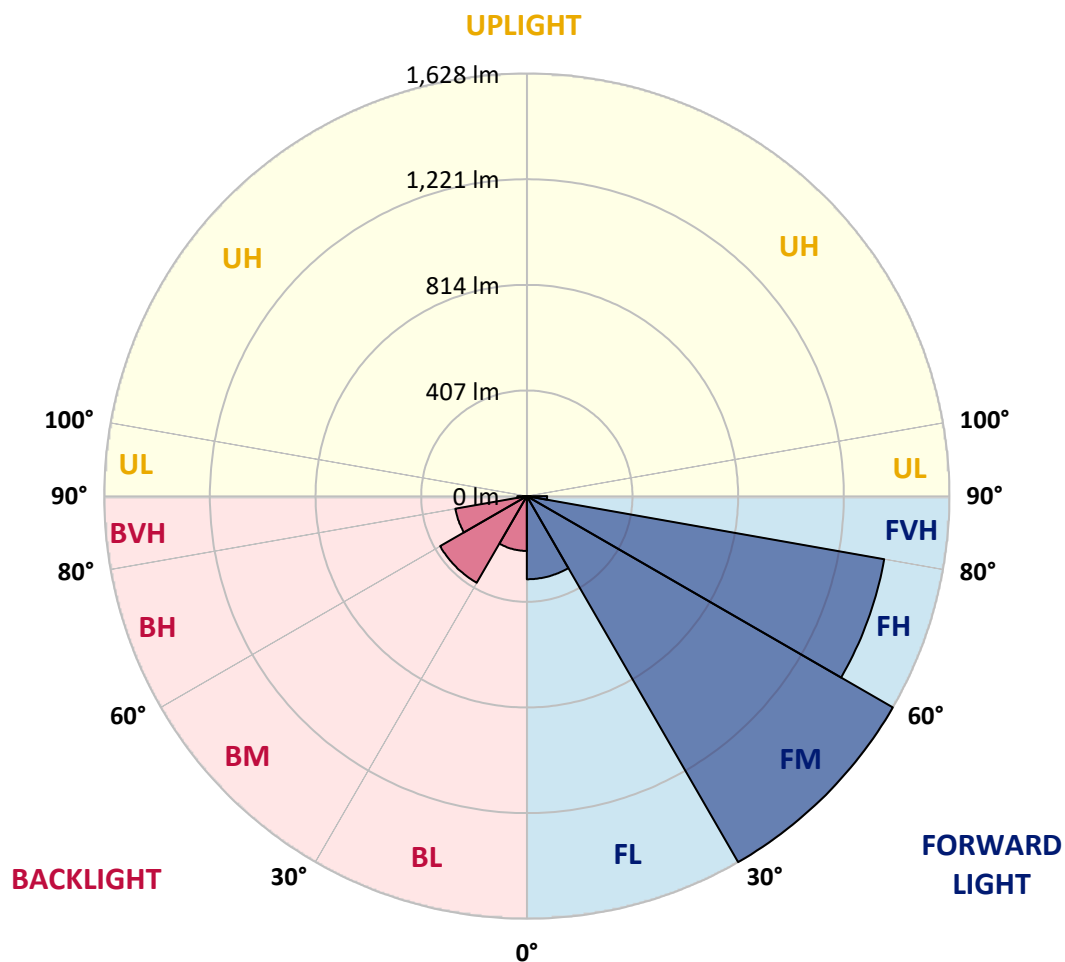
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.2	7.4			
FM	(30°-60°)	1627.7	37.5			
FH	(60°-80°)	1397.6	32.2			G1/1800
FVH	(80°-90°)	78.6	1.8			G1/100
BL	(0°-30°)	211.0	4.9	B1/500		
BM	(30°-60°)	385.5	8.9	B1/1000		
BH	(60°-80°)	279.6	6.4	B1/500		G1/500
BVH	(80°-90°)	36.7	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5
2.5°	611.3	611.3	606.5	604.9	604.9	592.1	593.7	585.7	579.3	579.3	572.9
5°	643.3	640.1	640.1	640.1	632.1	627.3	625.7	611.3	600.1	601.7	582.5
7.5°	651.3	652.9	654.5	662.5	657.7	660.9	657.7	641.7	633.7	625.7	608.1
10°	656.1	659.3	659.3	670.5	670.5	678.5	683.3	676.9	662.5	654.5	625.7
12.5°	667.3	662.5	668.9	676.9	684.9	699.3	713.8	707.4	697.7	688.1	656.1
15°	667.3	668.9	673.7	686.5	699.3	713.8	739.4	749.0	744.2	726.6	692.9
17.5°	648.1	643.3	665.7	689.7	713.8	731.4	765.0	787.4	784.2	777.8	726.6
20°	649.7	654.5	662.5	683.3	721.8	753.8	795.4	832.2	840.2	837.0	771.4
22.5°	678.5	680.1	688.1	697.7	728.2	769.8	832.2	891.4	905.8	897.8	821.0
25°	707.4	720.2	720.2	726.6	737.8	781.0	856.2	939.4	960.2	961.8	872.2
27.5°	753.8	757.0	766.6	769.8	779.4	805.0	883.4	974.6	1022.6	1016.2	918.6
30°	808.2	809.8	816.2	813.0	814.6	846.6	909.0	1014.6	1080.2	1081.8	968.2
32.5°	872.2	885.0	888.2	867.4	870.6	878.6	949.0	1062.6	1152.2	1141.0	1011.4
35°	966.6	971.4	961.8	952.2	928.2	923.4	990.6	1110.6	1214.7	1227.5	1075.4
37.5°	1083.4	1096.2	1083.4	1032.2	1006.6	987.4	1041.8	1163.4	1289.9	1333.1	1139.4
40°	1192.3	1190.7	1177.9	1131.4	1086.6	1072.2	1115.4	1237.1	1406.7	1448.3	1232.3
42.5°	1280.3	1275.5	1267.5	1232.3	1190.7	1166.6	1200.3	1313.9	1504.3	1584.3	1339.5
45°	1357.1	1350.7	1352.3	1312.3	1272.3	1285.1	1285.1	1401.9	1619.5	1718.8	1462.7
47.5°	1429.1	1432.3	1427.5	1397.1	1366.7	1400.3	1382.7	1502.7	1733.2	1843.6	1566.7
50°	1512.3	1518.7	1502.7	1483.5	1456.3	1489.9	1467.5	1597.1	1806.8	1957.2	1691.6
52.5°	1590.7	1597.1	1611.5	1587.5	1560.3	1587.5	1536.3	1685.2	1904.4	2067.6	1787.6
55°	1609.9	1606.7	1686.8	1712.4	1726.8	1645.2	1597.1	1760.4	1981.2	2138.1	1896.4
57.5°	1521.9	1529.9	1638.8	1712.4	1866.0	1795.6	1666.0	1848.4	2061.2	2230.9	1997.2
60°	1302.7	1307.5	1443.5	1617.9	1842.0	1936.4	1851.6	1962.0	2149.3	2309.3	2110.9
62.5°	870.6	907.4	1077.0	1350.7	1672.4	1974.8	2147.7	2154.1	2256.5	2408.5	2266.1
65°	459.3	476.9	609.7	830.6	1267.5	1842.0	2426.1	2534.9	2470.9	2591.0	2490.1
67.5°	300.9	307.3	379.3	504.1	731.4	1344.3	2458.1	3195.9	2901.4	2938.2	2848.6
70°	224.0	227.2	280.1	372.9	452.9	718.6	2014.8	3504.7	3503.1	3405.5	3274.3
72.5°	164.8	169.6	206.4	284.9	348.9	387.3	1133.0	3135.1	3687.2	3637.6	3299.9
75°	129.6	132.8	152.0	220.8	281.7	254.5	574.5	2322.1	3127.1	3365.5	3019.8
77.5°	105.6	108.8	120.0	160.0	225.6	196.8	275.3	1497.9	2120.5	2422.9	2310.9
80°	88.0	88.0	96.0	113.6	174.4	148.8	163.2	841.8	1142.6	1261.1	1048.2
82.5°	75.2	73.6	80.0	83.2	129.6	107.2	105.6	380.9	502.5	532.9	393.7
85°	48.0	49.6	75.2	72.0	84.8	73.6	59.2	180.8	236.9	241.7	147.2
87.5°	19.2	19.2	32.0	40.0	48.0	44.8	28.8	81.6	104.0	104.0	41.6
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°	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5	566.5
2.5°	571.3	564.9	560.1	556.9	548.9	540.9	542.5	540.9	534.5	531.3	531.3
5°	577.7	571.3	563.3	550.5	542.5	532.9	536.1	529.7	523.3	528.1	520.1
7.5°	593.7	582.5	571.3	552.1	539.3	524.9	518.5	515.3	510.5	507.3	507.3
10°	616.1	600.1	579.3	550.5	529.7	507.3	504.1	497.7	492.9	492.9	491.3
12.5°	638.5	620.9	585.7	539.3	504.1	488.1	486.5	488.1	491.3	492.9	494.5
15°	667.3	638.5	584.1	518.5	483.3	476.9	484.9	491.3	497.7	504.1	502.5
17.5°	694.5	660.9	569.7	492.9	465.7	467.3	481.7	494.5	507.3	513.7	515.3
20°	731.4	681.7	548.9	462.5	448.1	462.5	481.7	497.7	512.1	520.1	521.7
22.5°	773.0	705.8	521.7	435.3	433.7	448.1	467.3	491.3	507.3	521.7	520.1
25°	809.8	721.8	486.5	412.9	416.1	425.7	448.1	473.7	489.7	505.7	500.9
27.5°	833.8	725.0	449.7	396.9	396.9	406.5	427.3	443.3	457.7	470.5	472.1
30°	861.0	718.6	408.1	376.1	376.1	388.9	396.9	406.5	414.5	417.7	420.9
32.5°	893.0	704.2	382.5	360.1	360.1	369.7	374.5	371.3	369.7	361.7	366.5
35°	923.4	683.3	353.7	339.3	345.7	350.5	348.9	339.3	329.7	315.3	310.5
37.5°	960.2	662.5	328.1	316.9	328.1	329.7	329.7	318.5	305.7	288.1	288.1
40°	1016.2	646.5	307.3	302.5	313.7	312.1	304.1	296.1	300.9	291.3	291.3
42.5°	1075.4	640.1	288.1	289.7	294.5	296.1	288.1	278.5	297.7	286.5	288.1
45°	1149.0	644.9	275.3	273.7	284.9	283.3	278.5	270.5	276.9	248.1	240.1
47.5°	1217.9	654.5	268.9	262.5	275.3	278.5	272.1	254.5	244.9	227.2	224.0
50°	1280.3	675.3	262.5	249.7	262.5	268.9	257.7	238.5	227.2	216.0	216.0
52.5°	1339.5	705.8	259.3	235.3	246.5	254.5	248.1	228.8	216.0	211.2	206.4
55°	1400.3	733.0	254.5	225.6	228.8	244.9	243.3	217.6	204.8	204.8	203.2
57.5°	1486.7	769.8	248.1	209.6	216.0	233.6	233.6	212.8	198.4	200.0	201.6
60°	1574.7	813.0	241.7	193.6	198.4	222.4	225.6	206.4	193.6	195.2	193.6
62.5°	1715.6	893.0	228.8	174.4	184.0	208.0	216.0	198.4	187.2	190.4	190.4
65°	1928.4	1030.6	201.6	158.4	169.6	195.2	206.4	190.4	177.6	187.2	184.0
67.5°	2270.9	1219.5	169.6	145.6	160.0	182.4	195.2	180.8	169.6	184.0	179.2
70°	2578.2	1312.3	145.6	134.4	145.6	168.0	182.4	171.2	160.0	174.4	168.0
72.5°	2453.3	1029.0	126.4	121.6	132.8	152.0	169.6	158.4	147.2	155.2	148.8
75°	2117.3	819.4	110.4	108.8	118.4	137.6	155.2	147.2	136.0	139.2	136.0
77.5°	1605.1	676.9	94.4	92.8	100.8	123.2	139.2	132.8	121.6	120.0	120.0
80°	717.0	332.9	78.4	78.4	83.2	105.6	118.4	115.2	104.0	102.4	100.8
82.5°	235.3	126.4	64.0	60.8	67.2	88.0	105.6	102.4	91.2	88.0	84.8
85°	94.4	60.8	46.4	46.4	52.8	73.6	94.4	88.0	73.6	65.6	65.6
87.5°	32.0	25.6	24.0	24.0	33.6	49.6	70.4	59.2	52.8	46.4	48.0
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)