

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: P674814

Luminaire Tested: **CCW-SA-1C-730-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674814
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4106.8 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

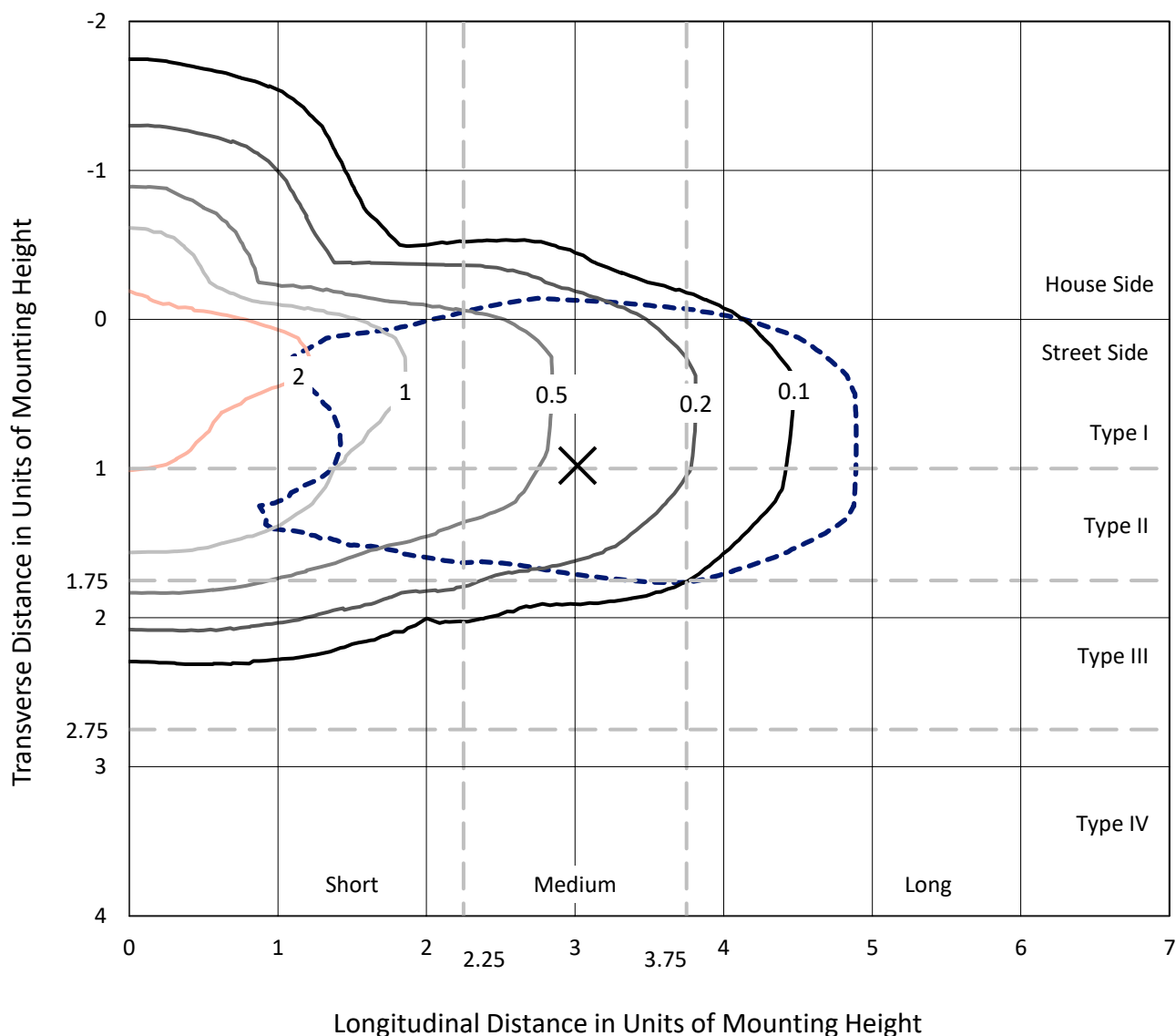
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

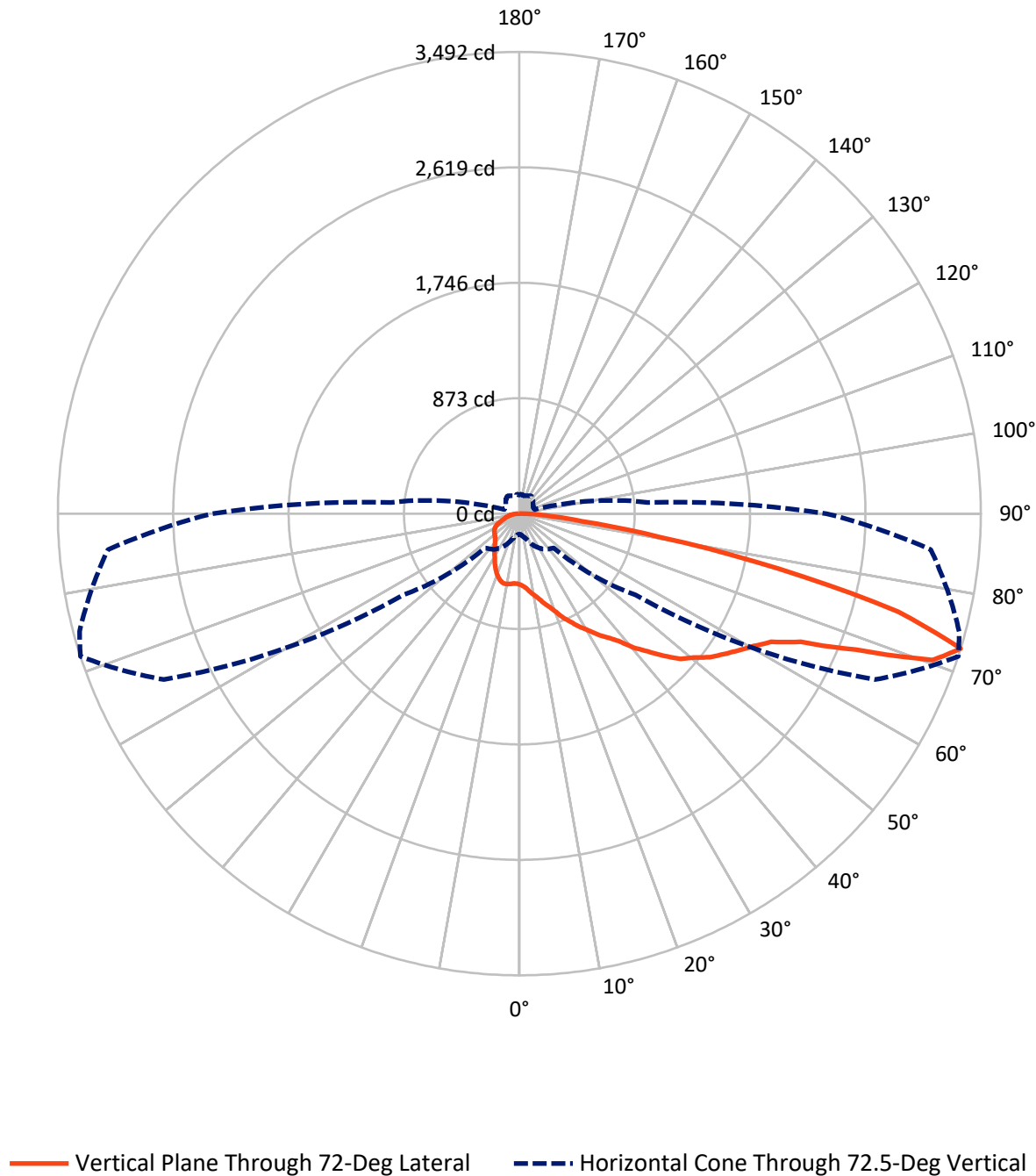


Based on 15 foot mounting height. Maximum calculated value = 3 fc

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	864.3	0.0	864.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3242.5	0.0	3242.5
	% Fixture	79.0	0.0	79.0
Total	Lumens	4106.8	0.0	4106.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.3
10°-20°	164.8	4.0
20°-30°	285.2	6.9
30°-40°	421.2	10.3
40°-50°	626.4	15.3
50°-60°	858.8	20.9
60°-70°	931.5	22.7
70°-80°	656.7	16.0
80°-90°	109.1	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°	4106.8	100.0
0°-180°	4106.8	100.0

Coefficient of Utilization



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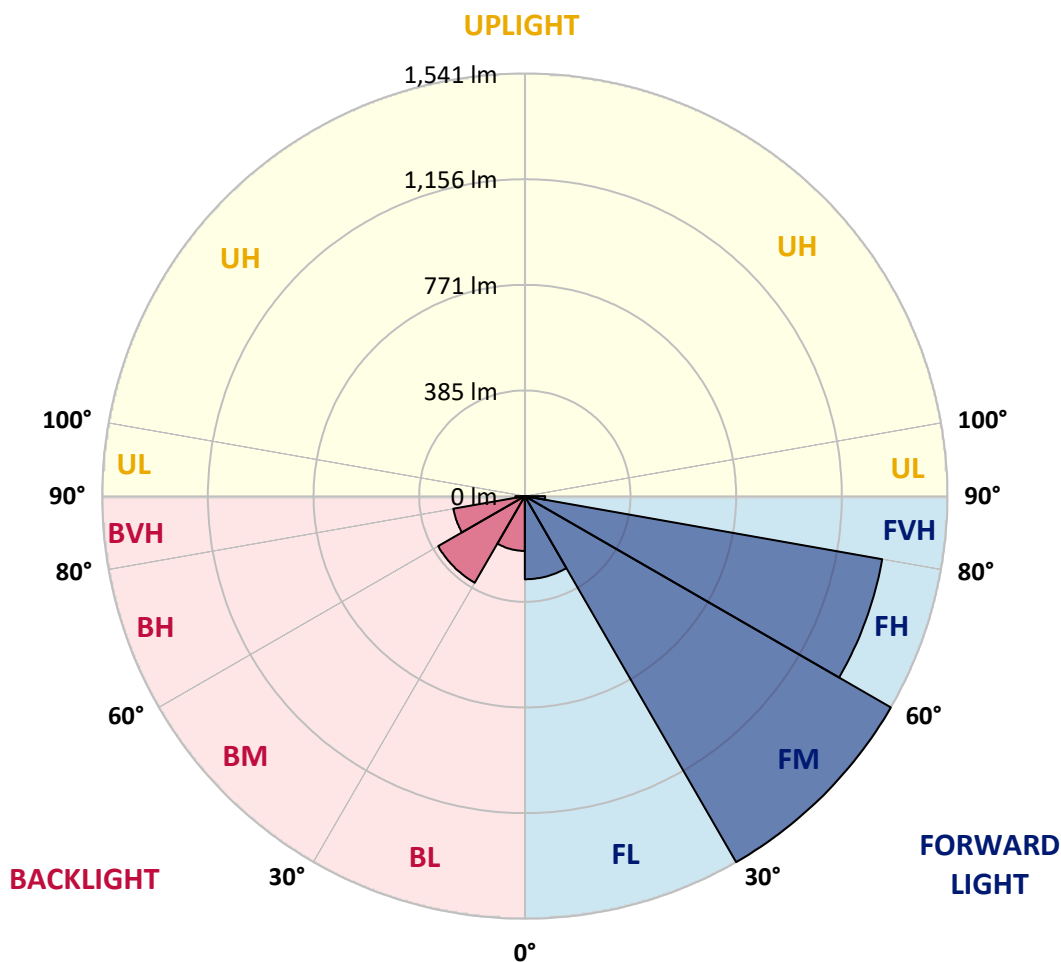
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.3	7.4			
FM	(30°-60°)	1541.4	37.5			
FH	(60°-80°)	1323.5	32.2			G1/1800
FVH	(80°-90°)	74.4	1.8			G1/100
BL	(0°-30°)	199.8	4.9	B1/500		
BM	(30°-60°)	365.1	8.9	B1/1000		
BH	(60°-80°)	264.7	6.4	B1/500		G1/500
BVH	(80°-90°)	34.7	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°	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5
2.5°	578.9	578.9	574.3	572.8	572.8	560.7	562.2	554.6	548.6	548.6	542.5
5°	609.2	606.2	606.2	606.2	598.6	594.0	592.5	578.9	568.3	569.8	551.6
7.5°	616.8	618.3	619.8	627.4	622.8	625.9	622.8	607.7	600.1	592.5	575.9
10°	621.3	624.4	624.4	635.0	635.0	642.5	647.1	641.0	627.4	619.8	592.5
12.5°	631.9	627.4	633.4	641.0	648.6	662.2	675.9	669.8	660.7	651.6	621.3
15°	631.9	633.4	638.0	650.1	662.2	675.9	700.1	709.2	704.7	688.0	656.2
17.5°	613.7	609.2	630.4	653.1	675.9	692.5	724.4	745.6	742.6	736.5	688.0
20°	615.3	619.8	627.4	647.1	683.5	713.8	753.2	788.0	795.6	792.6	730.4
22.5°	642.5	644.1	651.6	660.7	689.5	728.9	788.0	844.1	857.7	850.2	777.4
25°	669.8	681.9	681.9	688.0	698.6	739.5	810.8	889.6	909.3	910.8	825.9
27.5°	713.8	716.8	725.9	728.9	738.0	762.3	836.5	922.9	968.4	962.3	869.9
30°	765.3	766.8	772.9	769.8	771.4	801.7	860.8	960.8	1022.9	1024.4	916.8
32.5°	825.9	838.0	841.1	821.4	824.4	832.0	898.6	1006.2	1091.1	1080.5	957.7
35°	915.3	919.9	910.8	901.7	878.9	874.4	938.0	1051.7	1150.2	1162.3	1018.4
37.5°	1025.9	1038.1	1025.9	977.5	953.2	935.0	986.5	1101.7	1221.4	1262.4	1079.0
40°	1129.0	1127.5	1115.4	1071.4	1029.0	1015.3	1056.3	1171.4	1332.1	1371.5	1166.9
42.5°	1212.3	1207.8	1200.2	1166.9	1127.5	1104.7	1136.6	1244.2	1424.5	1500.3	1268.4
45°	1285.1	1279.0	1280.5	1242.6	1204.8	1216.9	1216.9	1327.5	1533.6	1627.6	1385.1
47.5°	1353.3	1356.3	1351.8	1323.0	1294.2	1326.0	1309.3	1423.0	1641.2	1745.8	1483.6
50°	1432.1	1438.1	1423.0	1404.8	1379.0	1410.9	1389.6	1512.4	1710.9	1853.4	1601.8
52.5°	1506.3	1512.4	1526.0	1503.3	1477.5	1503.3	1454.8	1595.7	1803.4	1957.9	1692.7
55°	1524.5	1521.5	1597.3	1621.5	1635.1	1557.9	1512.4	1667.0	1876.1	2024.6	1795.8
57.5°	1441.2	1448.7	1551.8	1621.5	1767.0	1700.3	1577.6	1750.3	1951.9	2112.5	1891.3
60°	1233.6	1238.1	1366.9	1532.1	1744.3	1833.7	1753.3	1857.9	2035.2	2186.8	1998.8
62.5°	824.4	859.2	1019.9	1279.0	1583.6	1870.0	2033.7	2039.8	2136.8	2280.7	2145.8
65°	434.9	451.6	577.4	786.5	1200.2	1744.3	2297.4	2400.4	2339.8	2453.5	2358.0
67.5°	284.9	291.0	359.2	477.4	692.5	1273.0	2327.7	3026.3	2747.5	2782.3	2697.5
70°	212.2	215.2	265.2	353.1	428.9	680.4	1907.9	3318.8	3317.3	3224.8	3100.6
72.5°	156.1	160.6	195.5	269.7	330.4	366.7	1072.9	2968.7	3491.5	3444.6	3124.8
75°	122.7	125.8	144.0	209.1	266.7	241.0	544.0	2198.9	2961.1	3186.9	2859.6
77.5°	100.0	103.0	113.7	151.5	213.7	186.4	260.7	1418.4	2007.9	2294.4	2188.3
80°	83.3	83.3	90.9	107.6	165.2	140.9	154.6	797.1	1082.0	1194.2	992.6
82.5°	71.2	69.7	75.8	78.8	122.7	101.5	100.0	360.7	475.8	504.6	372.8
85°	45.5	47.0	71.2	68.2	80.3	69.7	56.1	171.2	224.3	228.8	139.4
87.5°	18.2	18.2	30.3	37.9	45.5	42.4	27.3	77.3	98.5	98.5	39.4
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°	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5	536.5
2.5°	541.0	534.9	530.4	527.4	519.8	512.2	513.7	512.2	506.2	503.1	503.1
5°	547.1	541.0	533.4	521.3	513.7	504.6	507.7	501.6	495.5	500.1	492.5
7.5°	562.2	551.6	541.0	522.8	510.7	497.1	491.0	488.0	483.4	480.4	480.4
10°	583.4	568.3	548.6	521.3	501.6	480.4	477.4	471.3	466.8	466.8	465.2
12.5°	604.7	588.0	554.6	510.7	477.4	462.2	460.7	462.2	465.2	466.8	468.3
15°	631.9	604.7	553.1	491.0	457.7	451.6	459.2	465.2	471.3	477.4	475.8
17.5°	657.7	625.9	539.5	466.8	441.0	442.5	456.1	468.3	480.4	486.5	488.0
20°	692.5	645.6	519.8	438.0	424.3	438.0	456.1	471.3	484.9	492.5	494.0
22.5°	732.0	668.3	494.0	412.2	410.7	424.3	442.5	465.2	480.4	494.0	492.5
25°	766.8	683.5	460.7	391.0	394.0	403.1	424.3	448.6	463.7	478.9	474.3
27.5°	789.5	686.5	425.8	375.8	375.8	384.9	404.6	419.8	433.4	445.5	447.1
30°	815.3	680.4	386.4	356.1	356.1	368.2	375.8	384.9	392.5	395.5	398.6
32.5°	845.6	666.8	362.2	341.0	341.0	350.1	354.6	351.6	350.1	342.5	347.0
35°	874.4	647.1	334.9	321.3	327.3	331.9	330.4	321.3	312.2	298.5	294.0
37.5°	909.3	627.4	310.7	300.1	310.7	312.2	312.2	301.6	289.4	272.8	272.8
40°	962.3	612.2	291.0	286.4	297.0	295.5	287.9	280.4	284.9	275.8	275.8
42.5°	1018.4	606.2	272.8	274.3	278.8	280.4	272.8	263.7	281.9	271.3	272.8
45°	1088.1	610.7	260.7	259.1	269.7	268.2	263.7	256.1	262.2	234.9	227.3
47.5°	1153.2	619.8	254.6	248.5	260.7	263.7	257.6	241.0	231.9	215.2	212.2
50°	1212.3	639.5	248.5	236.4	248.5	254.6	244.0	225.8	215.2	204.6	204.6
52.5°	1268.4	668.3	245.5	222.8	233.4	241.0	234.9	216.7	204.6	200.0	195.5
55°	1326.0	694.1	241.0	213.7	216.7	231.9	230.3	206.1	194.0	194.0	192.5
57.5°	1407.8	728.9	234.9	198.5	204.6	221.3	221.3	201.6	187.9	189.4	190.9
60°	1491.2	769.8	228.8	183.4	187.9	210.6	213.7	195.5	183.4	184.9	183.4
62.5°	1624.5	845.6	216.7	165.2	174.3	197.0	204.6	187.9	177.3	180.3	180.3
65°	1826.1	975.9	190.9	150.0	160.6	184.9	195.5	180.3	168.2	177.3	174.3
67.5°	2150.4	1154.8	160.6	137.9	151.5	172.8	184.9	171.2	160.6	174.3	169.7
70°	2441.4	1242.6	137.9	127.3	137.9	159.1	172.8	162.2	151.5	165.2	159.1
72.5°	2323.1	974.4	119.7	115.2	125.8	144.0	160.6	150.0	139.4	147.0	140.9
75°	2004.9	775.9	104.6	103.0	112.1	130.3	147.0	139.4	128.8	131.8	128.8
77.5°	1520.0	641.0	89.4	87.9	95.5	116.7	131.8	125.8	115.2	113.7	113.7
80°	678.9	315.2	74.3	74.3	78.8	100.0	112.1	109.1	98.5	97.0	95.5
82.5°	222.8	119.7	60.6	57.6	63.6	83.3	100.0	97.0	86.4	83.3	80.3
85°	89.4	57.6	43.9	43.9	50.0	69.7	89.4	83.3	69.7	62.1	62.1
87.5°	30.3	24.2	22.7	22.7	31.8	47.0	66.7	56.1	50.0	43.9	45.5
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)