

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: P671108

Luminaire Tested: **CCP-SA-2A-740-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671108
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-740-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4W
distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519.9 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

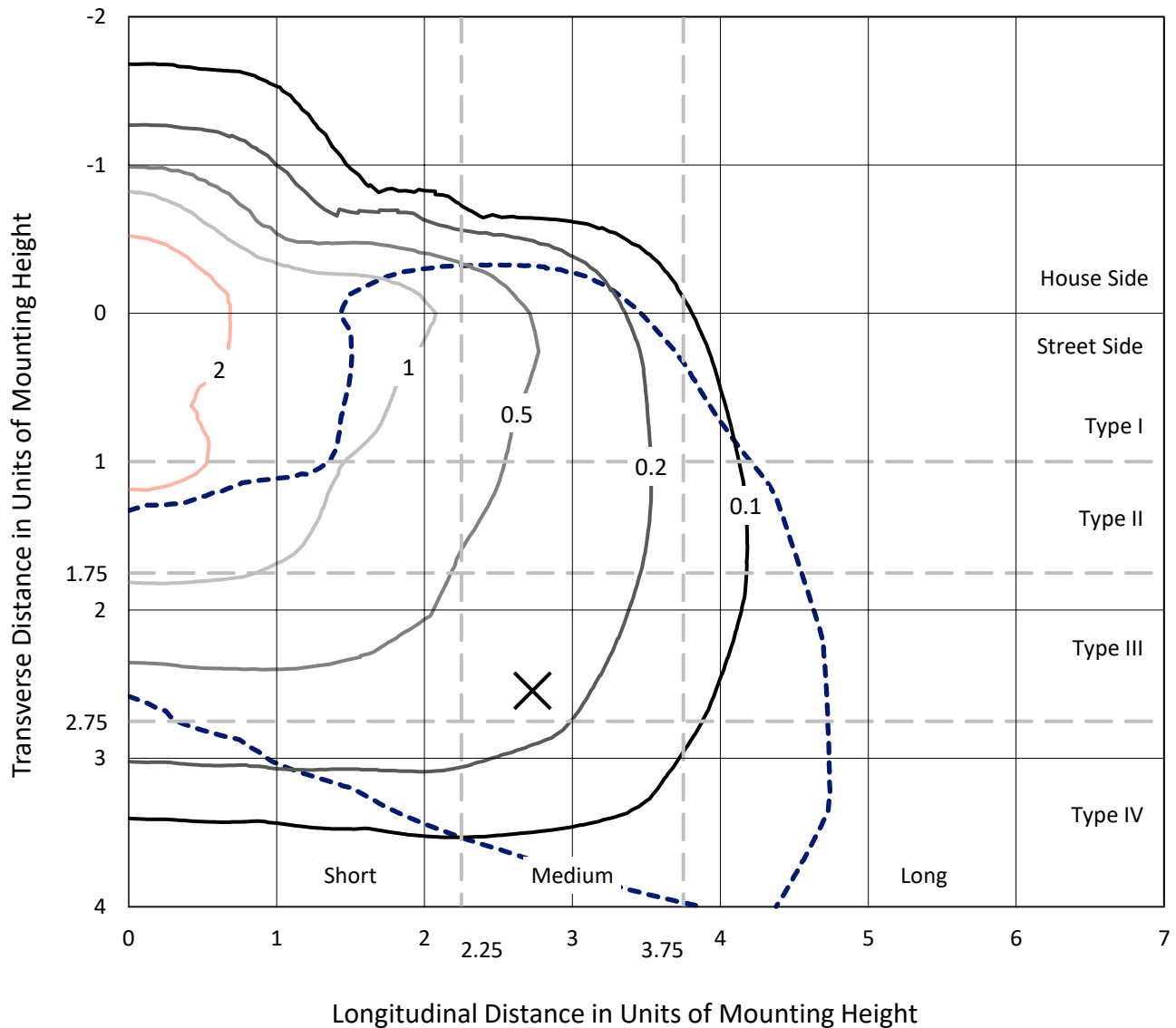
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

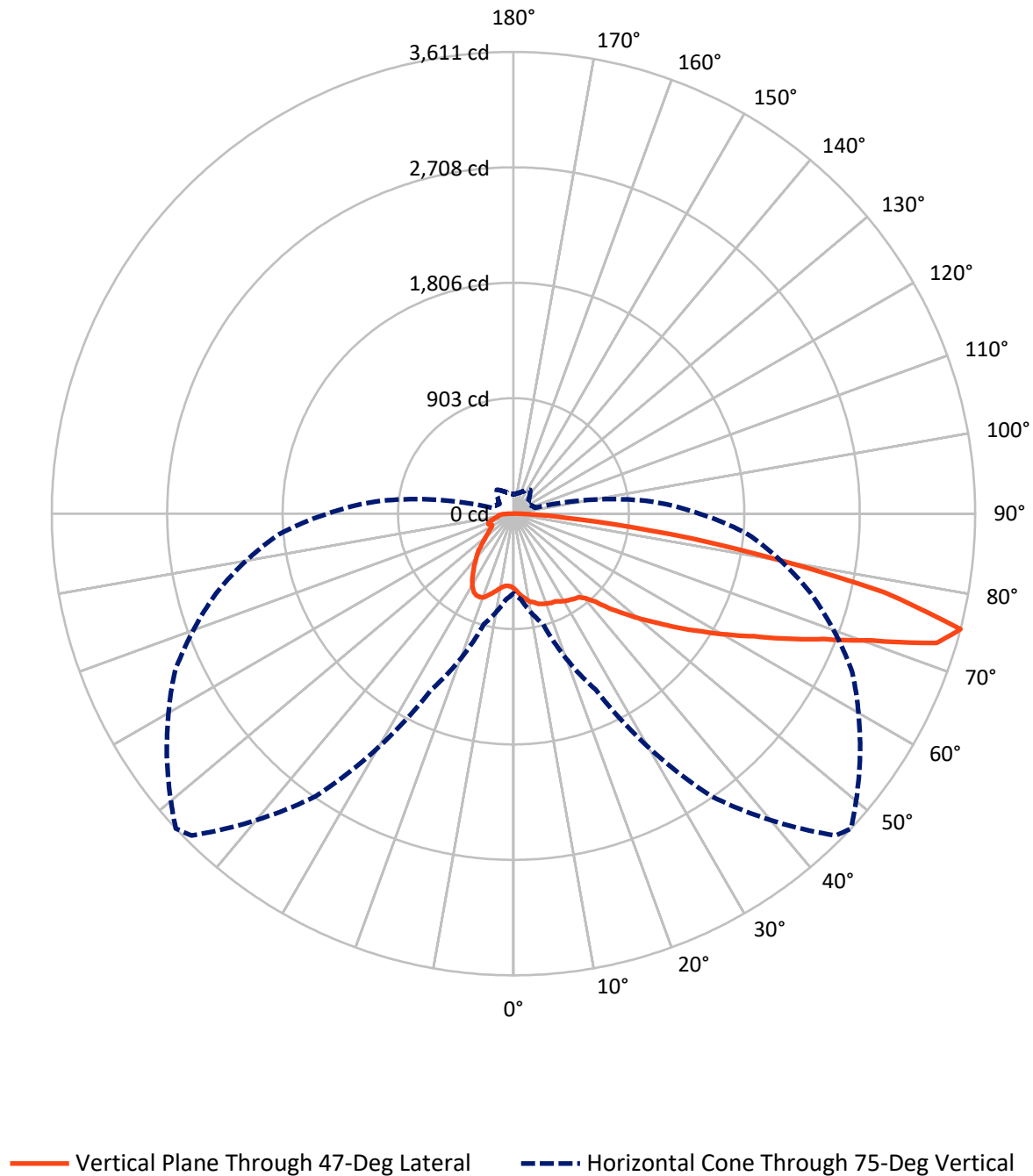
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	1320.1	0.0	1320.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4199.8	0.0	4199.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	5519.9	0.0	5519.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.1
10°-20°	196.8	3.6
20°-30°	337.0	6.1
30°-40°	471.6	8.5
40°-50°	657.5	11.9
50°-60°	982.7	17.8
60°-70°	1416.9	25.7
70°-80°	1206.1	21.8
80°-90°	192.1	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°	5519.9	100.0
0°-180°	5519.9	100.0



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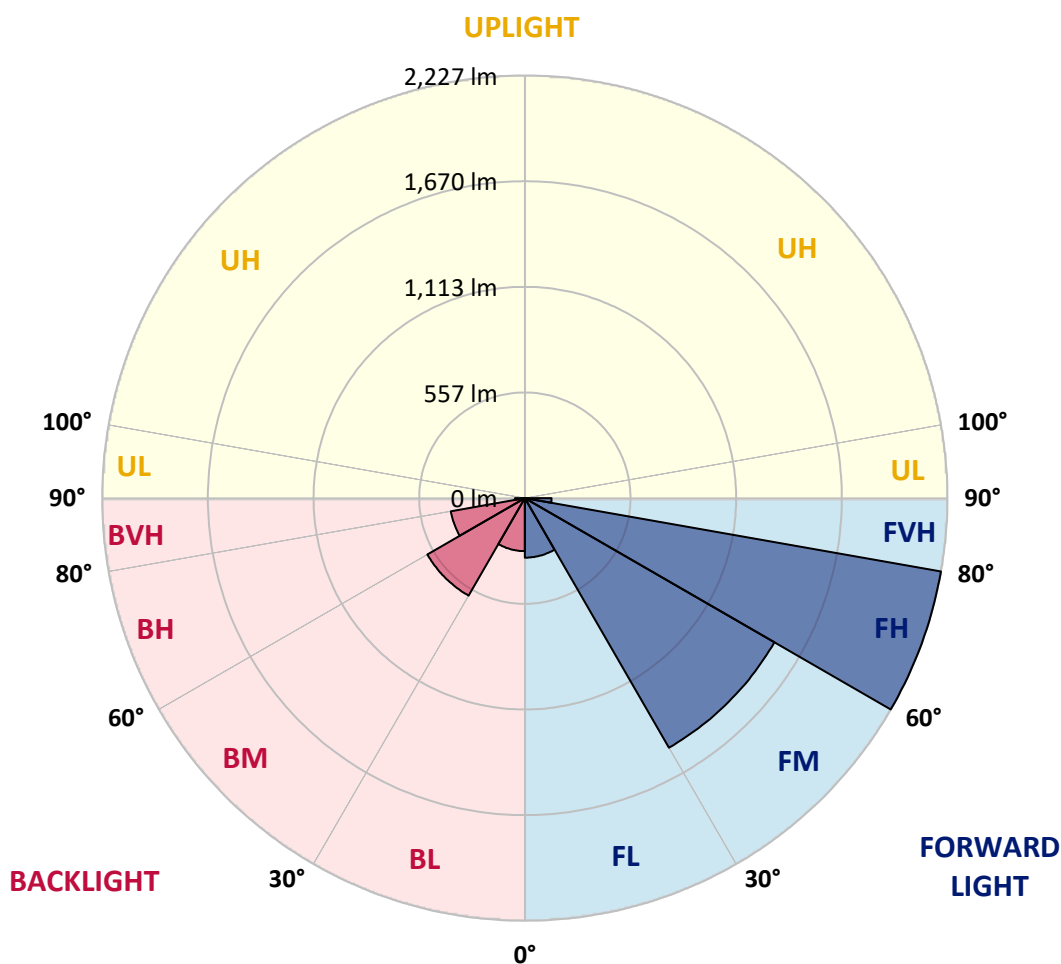
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.6	5.7			
FM	(30°-60°)	1518.5	27.5			
FH	(60°-80°)	2227.0	40.3			G2/5000
FVH	(80°-90°)	140.8	2.6			G2/225
BL	(0°-30°)	279.4	5.1	B1/500		
BM	(30°-60°)	593.3	10.7	B1/1000		
BH	(60°-80°)	396.0	7.2	B1/500		G1/500
BVH	(80°-90°)	51.4	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°	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1
2.5°	628.4	630.4	630.4	626.4	622.4	614.3	614.3	606.2	602.2	592.1	588.1
5°	686.8	680.8	674.7	672.7	662.6	648.5	646.5	638.5	616.3	606.2	592.1
7.5°	729.1	727.1	725.1	717.0	698.9	676.7	670.7	658.6	636.4	616.3	600.2
10°	763.3	771.4	763.3	745.2	727.1	702.9	700.9	678.7	658.6	634.4	614.3
12.5°	801.6	803.6	789.5	767.4	739.2	719.0	711.0	702.9	680.8	660.6	630.4
15°	827.8	823.8	813.7	783.5	751.3	731.1	733.1	723.1	698.9	684.8	652.6
17.5°	827.8	827.8	811.7	789.5	761.3	743.2	743.2	737.2	721.0	700.9	678.7
20°	811.7	811.7	801.6	789.5	757.3	753.3	749.2	745.2	745.2	727.1	694.9
22.5°	791.5	787.5	791.5	771.4	749.2	753.3	759.3	757.3	751.3	735.1	713.0
25°	771.4	773.4	777.4	763.3	743.2	761.3	759.3	769.4	765.4	753.3	735.1
27.5°	769.4	773.4	775.4	761.3	753.3	769.4	777.4	787.5	789.5	777.4	755.3
30°	799.6	797.6	795.6	777.4	771.4	785.5	793.5	807.6	819.7	793.5	775.4
32.5°	878.1	866.1	854.0	805.6	787.5	797.6	805.6	825.8	827.8	813.7	787.5
35°	1003.0	995.0	954.7	870.1	819.7	809.7	817.7	831.8	835.8	825.8	805.6
37.5°	1146.0	1142.0	1085.6	982.9	886.2	837.9	829.8	849.9	866.1	843.9	815.7
40°	1287.0	1270.9	1230.6	1129.9	970.8	880.2	870.1	880.2	886.2	870.1	852.0
42.5°	1413.9	1395.8	1385.7	1285.0	1081.6	950.6	942.6	918.4	936.5	916.4	892.2
45°	1520.6	1516.6	1512.6	1426.0	1208.4	1065.4	1059.4	997.0	1017.1	1001.0	966.8
47.5°	1597.2	1615.3	1609.3	1560.9	1353.5	1188.3	1170.2	1089.6	1119.8	1103.7	1069.5
50°	1687.8	1697.9	1691.8	1659.6	1488.4	1329.3	1295.1	1212.5	1246.7	1244.7	1226.6
52.5°	1768.4	1798.6	1764.3	1762.3	1681.8	1482.4	1424.0	1345.4	1401.8	1424.0	1421.9
55°	1863.0	1887.2	1877.1	1873.1	1855.0	1631.4	1579.0	1484.4	1579.0	1611.3	1639.5
57.5°	1943.6	1941.6	1979.8	2026.2	2048.3	1802.6	1740.2	1629.4	1772.4	1808.6	1887.2
60°	1979.8	2014.1	2078.5	2195.3	2257.8	1985.9	1921.4	1832.8	1967.8	1996.0	2141.0
62.5°	2004.0	2034.2	2159.1	2356.5	2392.7	2173.2	2112.8	2024.2	2181.3	2201.4	2416.9
65°	1937.5	1965.7	2213.5	2416.9	2545.8	2374.6	2360.5	2267.9	2394.7	2406.8	2706.9
67.5°	1861.0	1891.2	2167.2	2493.4	2749.2	2642.5	2620.3	2509.5	2606.2	2592.1	2928.5
70°	1726.1	1766.3	2048.3	2559.9	2974.8	3017.1	2972.8	2815.7	2825.8	2692.8	2938.5
72.5°	1315.2	1341.4	1603.2	2296.1	3079.5	3536.7	3460.2	3146.0	3031.2	2713.0	2594.1
75°	624.4	672.7	894.3	1518.6	2698.9	3560.9	3611.2	3309.1	2922.4	2406.8	1838.9
77.5°	181.3	181.3	271.9	644.5	1691.8	2870.1	2964.7	2809.6	2410.9	1782.5	966.8
80°	98.7	104.7	143.0	227.6	743.2	1810.7	1947.6	1863.0	1419.9	704.9	249.7
82.5°	56.4	58.4	94.7	137.0	338.4	984.9	1065.4	966.8	539.8	213.5	116.8
85°	32.2	34.2	54.4	90.6	201.4	362.5	394.8	342.4	217.5	143.0	58.4
87.5°	16.1	16.1	26.2	42.3	102.7	102.7	100.7	122.9	130.9	86.6	26.2
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°	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1
2.5°	586.1	584.1	584.1	576.0	574.0	568.0	568.0	563.9	561.9	568.0	568.0
5°	588.1	578.0	576.0	568.0	570.0	566.0	574.0	570.0	568.0	568.0	566.0
7.5°	592.1	582.1	574.0	568.0	566.0	572.0	582.1	582.1	594.2	588.1	588.1
10°	602.2	596.2	586.1	582.1	582.1	588.1	600.2	608.3	618.3	618.3	612.3
12.5°	626.4	616.3	604.2	598.2	606.2	612.3	624.4	632.4	644.5	648.5	644.5
15°	644.5	634.4	630.4	626.4	632.4	640.5	650.5	658.6	672.7	676.7	674.7
17.5°	668.7	656.6	654.6	656.6	660.6	666.7	672.7	678.7	688.8	688.8	688.8
20°	680.8	676.7	674.7	680.8	688.8	696.9	692.8	688.8	686.8	690.8	688.8
22.5°	702.9	698.9	700.9	706.9	706.9	702.9	696.9	682.8	678.7	682.8	678.7
25°	723.1	719.0	719.0	715.0	713.0	698.9	686.8	674.7	660.6	666.7	664.6
27.5°	743.2	741.2	741.2	725.1	704.9	680.8	664.6	650.5	642.5	652.6	646.5
30°	767.4	769.4	759.3	721.0	672.7	646.5	628.4	626.4	624.4	630.4	628.4
32.5°	789.5	791.5	775.4	715.0	648.5	598.2	580.1	582.1	592.1	602.2	612.3
35°	801.6	811.7	791.5	694.9	600.2	543.8	523.7	541.8	559.9	574.0	584.1
37.5°	823.8	849.9	815.7	672.7	557.9	495.5	481.4	487.4	509.6	531.7	541.8
40°	856.0	886.2	821.7	630.4	501.5	447.1	439.1	441.1	449.1	463.2	473.3
42.5°	912.4	944.6	827.8	576.0	445.1	416.9	394.8	388.7	382.7	382.7	380.7
45°	995.0	1025.2	819.7	507.5	388.7	368.6	352.5	338.4	322.3	296.1	300.1
47.5°	1115.8	1140.0	825.8	447.1	336.4	320.2	308.2	292.0	267.9	239.7	237.7
50°	1299.1	1262.8	817.7	384.7	298.1	284.0	273.9	251.8	223.6	203.4	201.4
52.5°	1512.6	1440.1	809.7	332.3	265.9	253.8	245.7	221.5	195.4	185.3	183.3
55°	1770.4	1665.6	821.7	286.0	241.7	231.6	223.6	201.4	181.3	173.2	171.2
57.5°	2074.5	1909.3	888.2	249.7	215.5	211.5	209.5	191.3	173.2	167.2	165.2
60°	2360.5	2143.0	932.5	223.6	191.3	195.4	199.4	191.3	171.2	167.2	167.2
62.5°	2600.2	2336.3	862.0	201.4	179.3	191.3	209.5	203.4	195.4	199.4	195.4
65°	2811.7	2402.8	644.5	189.3	173.2	201.4	231.6	229.6	211.5	215.5	213.5
67.5°	2847.9	2322.2	420.9	179.3	169.2	221.5	259.8	235.6	199.4	199.4	193.4
70°	2696.9	2106.7	282.0	169.2	167.2	221.5	265.9	221.5	187.3	187.3	179.3
72.5°	2213.5	1683.8	217.5	159.1	153.1	197.4	251.8	209.5	175.2	171.2	157.1
75°	1454.2	1085.6	177.2	151.1	132.9	173.2	227.6	193.4	167.2	155.1	149.0
77.5°	713.0	487.4	149.0	132.9	114.8	151.1	207.5	183.3	157.1	145.0	141.0
80°	195.4	175.2	124.9	116.8	96.7	130.9	195.4	175.2	147.0	134.9	128.9
82.5°	110.8	108.8	100.7	94.7	80.6	130.9	197.4	175.2	139.0	137.0	116.8
85°	60.4	64.5	72.5	70.5	62.4	116.8	187.3	153.1	112.8	94.7	94.7
87.5°	24.2	30.2	36.3	40.3	42.3	86.6	141.0	116.8	86.6	72.5	72.5
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)