

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: P670789

Luminaire Tested: **CCP-SA-2C-727-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670789
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7639.9 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

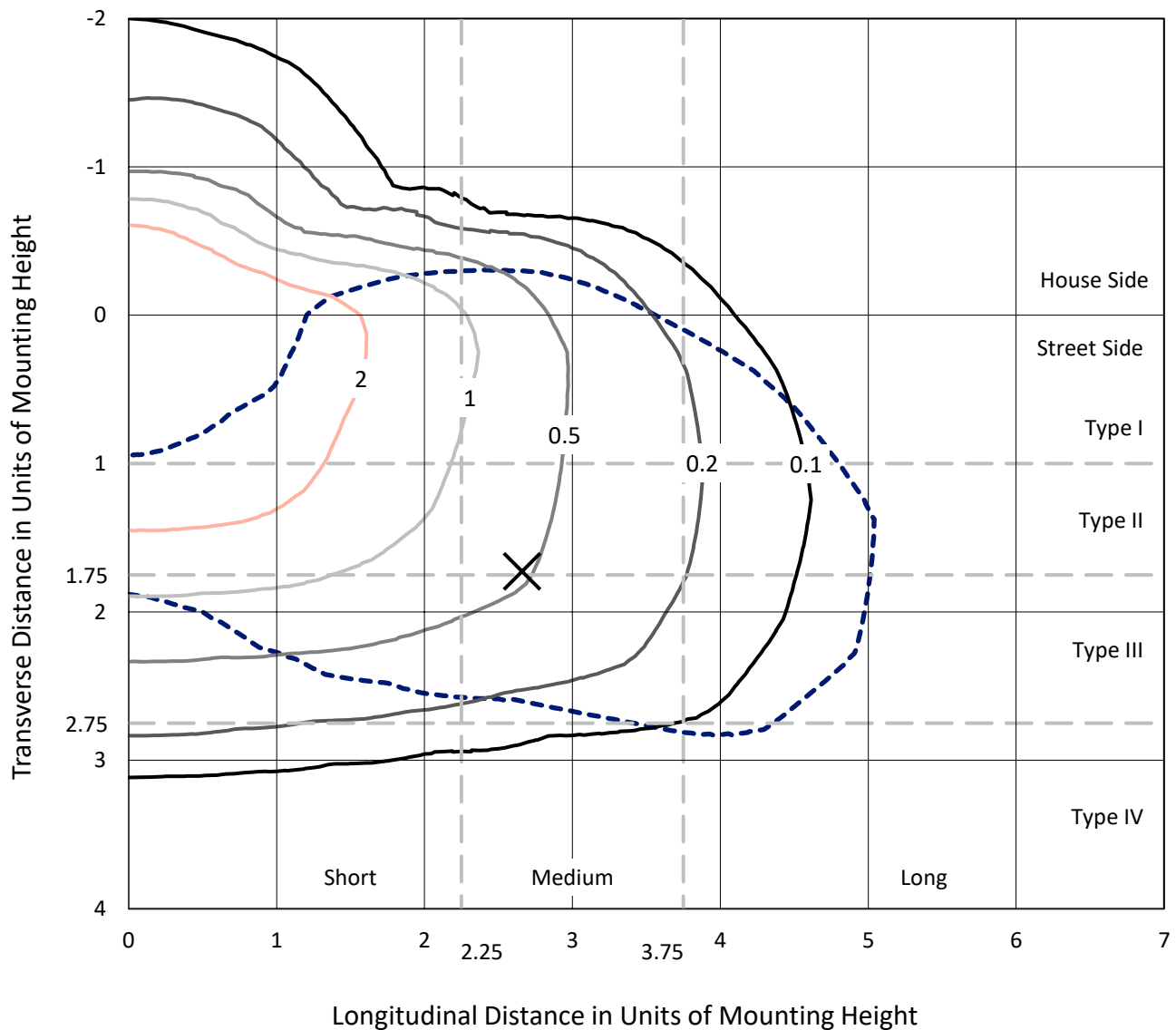
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

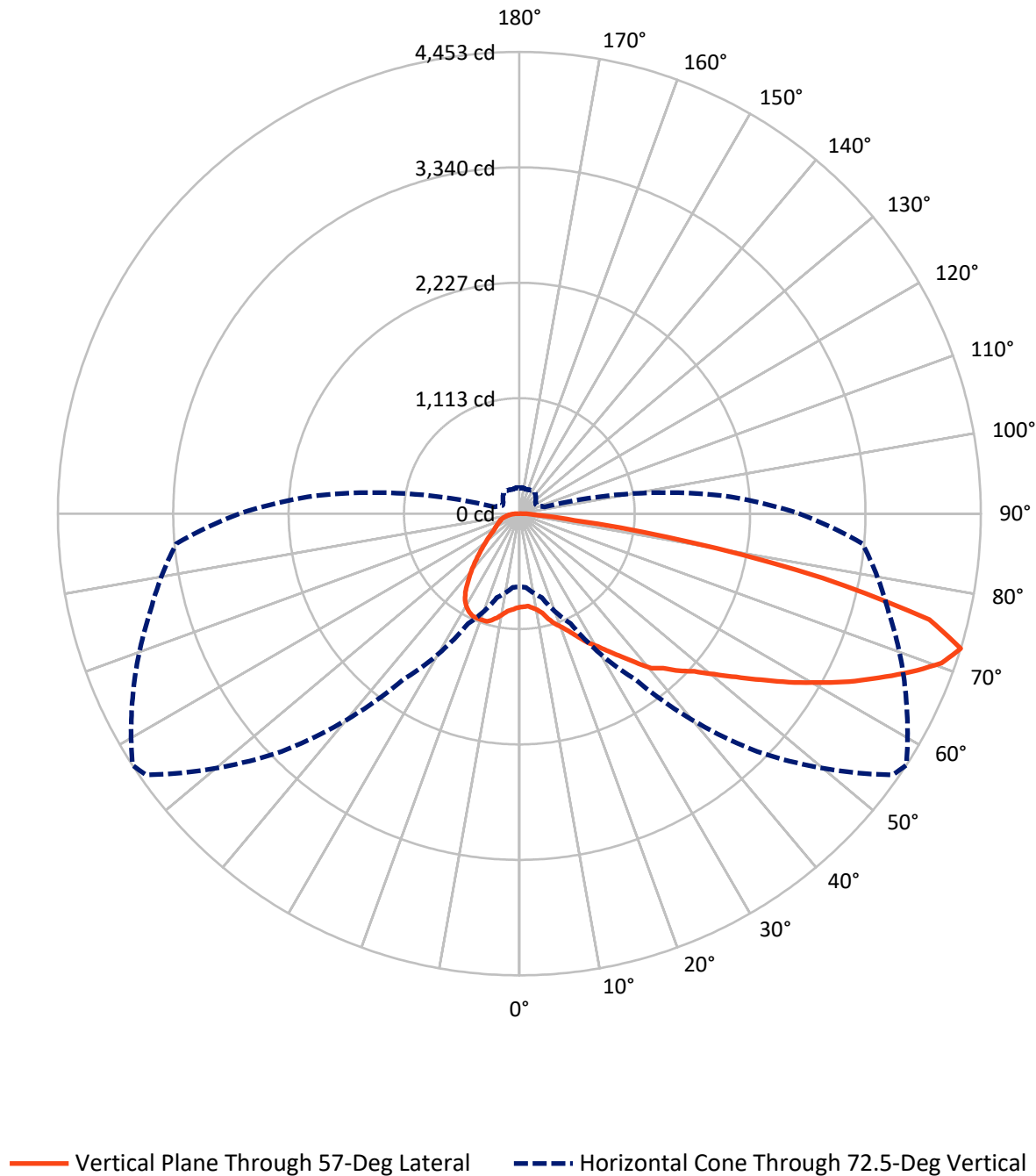
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.2	0.0	1784.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5855.7	0.0	5855.7
	% Fixture	76.6	0.0	76.6
Total	Lumens	7639.9	0.0	7639.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.2
10°-20°	301.7	3.9
20°-30°	551.5	7.2
30°-40°	809.1	10.6
40°-50°	1114.0	14.6
50°-60°	1527.6	20.0
60°-70°	1841.4	24.1
70°-80°	1226.6	16.1
80°-90°	178.7	2.3
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°	7639.9	100.0
0°-180°	7639.9	100.0



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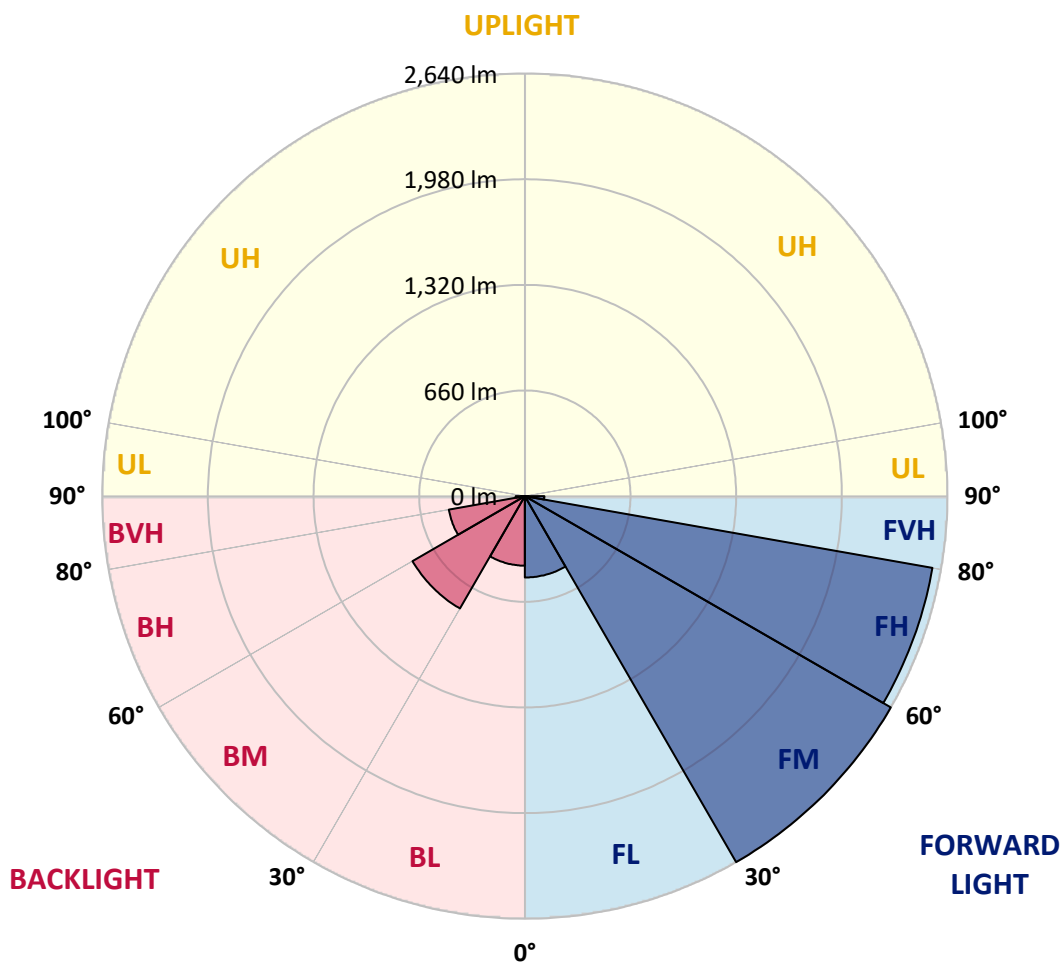
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	508.2	6.7			
FM	(30°-60°)	2640.2	34.6			
FH	(60°-80°)	2585.6	33.8			G2/5000
FVH	(80°-90°)	121.7	1.6			G2/225
BL	(0°-30°)	434.4	5.7	B1/500		
BM	(30°-60°)	810.4	10.6	B1/1000		
BH	(60°-80°)	482.4	6.3	B1/500		G1/500
BVH	(80°-90°)	57.0	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	885.1	887.8	893.4	890.6	890.6	882.3	896.2	899.0	893.4	896.2	901.8
5°	885.1	890.6	899.0	893.4	896.2	893.4	887.8	896.2	896.2	899.0	907.3
7.5°	932.4	929.6	929.6	921.2	918.5	915.7	918.5	918.5	912.9	915.7	915.7
10°	985.3	985.3	979.7	979.7	974.1	960.2	946.3	943.5	935.2	937.9	937.9
12.5°	1040.9	1046.5	1052.1	1035.4	1029.8	1007.5	999.2	982.5	982.5	976.9	974.1
15°	1110.5	1102.1	1107.7	1102.1	1088.2	1066.0	1052.1	1054.8	1035.4	1029.8	1021.4
17.5°	1171.7	1174.5	1166.2	1160.6	1135.5	1118.8	1121.6	1118.8	1093.8	1085.4	1071.5
20°	1244.1	1241.3	1241.3	1224.6	1202.3	1180.1	1171.7	1168.9	1174.5	1157.8	1124.4
22.5°	1319.2	1308.1	1308.1	1294.2	1263.6	1249.7	1244.1	1233.0	1238.5	1224.6	1174.5
25°	1380.5	1380.5	1400.0	1372.1	1355.4	1327.6	1316.5	1319.2	1322.0	1294.2	1235.7
27.5°	1461.2	1447.3	1466.7	1452.8	1444.5	1413.9	1400.0	1408.3	1402.7	1372.1	1291.4
30°	1564.2	1566.9	1555.8	1536.3	1525.2	1502.9	1494.6	1486.2	1494.6	1455.6	1352.6
32.5°	1692.2	1700.5	1672.7	1650.4	1631.0	1608.7	1592.0	1583.6	1592.0	1533.5	1400.0
35°	1839.7	1848.0	1825.8	1800.7	1778.5	1722.8	1708.9	1695.0	1664.4	1569.7	1444.5
37.5°	1976.1	1964.9	1959.4	1959.4	1917.6	1836.9	1828.6	1820.2	1761.8	1642.1	1505.7
40°	2067.9	2081.8	2076.3	2070.7	2065.1	1990.0	1973.3	1959.4	1862.0	1750.6	1592.0
42.5°	2170.9	2162.5	2184.8	2193.2	2173.7	2151.4	2084.6	2037.3	1951.0	1862.0	1720.0
45°	2293.4	2287.8	2296.1	2326.8	2298.9	2307.3	2195.9	2162.5	2054.0	2001.1	1881.4
47.5°	2401.9	2415.8	2457.6	2465.9	2443.7	2482.6	2326.8	2273.9	2204.3	2162.5	2048.4
50°	2449.2	2465.9	2560.5	2619.0	2621.8	2683.0	2457.6	2435.3	2340.7	2357.4	2257.2
52.5°	2410.3	2463.1	2577.2	2730.3	2824.9	2886.2	2630.1	2619.0	2532.7	2585.6	2485.4
55°	2446.4	2496.5	2571.7	2786.0	3025.3	3039.3	2869.5	2827.7	2741.5	2813.8	2722.0
57.5°	2463.1	2435.3	2577.2	2847.2	3172.9	3209.0	3097.7	3067.1	3000.3	3069.9	3017.0
60°	2332.3	2365.7	2499.3	2830.5	3181.2	3389.9	3353.8	3309.2	3248.0	3312.0	3281.4
62.5°	2184.8	2207.1	2351.8	2730.3	3228.5	3520.8	3601.5	3568.1	3481.8	3537.4	3590.3
65°	1998.3	2001.1	2162.5	2552.2	3136.7	3595.9	3818.6	3815.8	3754.5	3740.6	3824.1
67.5°	1770.1	1792.4	1920.4	2362.9	3011.4	3679.4	4032.9	4074.6	3952.1	3843.6	3874.2
70°	1358.2	1380.5	1502.9	1937.1	2755.4	3654.3	4297.3	4319.5	4080.2	3804.6	3726.7
72.5°	706.9	712.5	837.7	1168.9	1953.8	3245.2	4394.7	4453.1	4113.6	3690.5	3323.1
75°	233.8	233.8	286.7	445.3	921.2	2076.3	3980.0	4085.7	3949.4	3406.6	2719.2
77.5°	139.2	141.9	169.8	222.7	367.4	829.4	2805.5	2991.9	3231.3	2897.3	1987.2
80°	100.2	103.0	128.0	153.1	219.9	267.2	1408.3	1667.1	1984.4	1864.7	1060.4
82.5°	75.1	75.1	100.2	114.1	150.3	158.6	392.4	537.2	857.2	668.0	292.2
85°	77.9	77.9	77.9	80.7	103.0	91.8	164.2	175.3	250.5	219.9	80.7
87.5°	27.8	30.6	77.9	52.9	52.9	39.0	64.0	69.6	89.1	91.8	30.6
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°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	904.5	904.5	907.3	907.3	912.9	918.5	926.8	921.2	921.2	924.0	921.2
5°	901.8	904.5	912.9	926.8	932.4	935.2	951.9	951.9	951.9	957.4	957.4
7.5°	912.9	918.5	932.4	946.3	949.1	957.4	979.7	985.3	999.2	1004.7	1007.5
10°	940.7	949.1	960.2	976.9	988.0	999.2	1015.9	1035.4	1032.6	1049.3	1052.1
12.5°	982.5	979.7	999.2	1015.9	1027.0	1043.7	1049.3	1049.3	1049.3	1049.3	1054.8
15°	1015.9	1021.4	1038.1	1049.3	1063.2	1060.4	1049.3	1038.1	1040.9	1038.1	1038.1
17.5°	1066.0	1066.0	1079.9	1082.7	1088.2	1060.4	1043.7	1043.7	1052.1	1052.1	1046.5
20°	1116.1	1113.3	1118.8	1116.1	1079.9	1046.5	1043.7	1046.5	1049.3	1046.5	1043.7
22.5°	1163.4	1157.8	1149.5	1138.3	1074.3	1043.7	1038.1	1024.2	1010.3	1010.3	1002.0
25°	1205.1	1199.6	1177.3	1143.9	1071.5	1027.0	999.2	965.8	949.1	940.7	951.9
27.5°	1244.1	1233.0	1202.3	1143.9	1046.5	982.5	929.6	887.8	873.9	862.8	873.9
30°	1297.0	1277.5	1235.7	1135.5	1007.5	912.9	840.5	790.4	776.5	759.8	765.4
32.5°	1344.3	1299.8	1263.6	1110.5	957.4	835.0	751.5	701.4	676.3	662.4	673.5
35°	1394.4	1349.9	1274.7	1071.5	879.5	740.3	656.8	609.5	590.0	570.6	570.6
37.5°	1444.5	1419.4	1291.4	999.2	784.9	651.3	576.1	539.9	506.5	470.4	470.4
40°	1550.2	1516.8	1310.9	915.7	690.2	565.0	512.1	464.8	431.4	381.3	378.5
42.5°	1661.6	1589.2	1310.9	815.5	606.7	503.8	453.7	403.6	342.3	311.7	314.5
45°	1803.5	1720.0	1274.7	726.4	523.2	453.7	398.0	334.0	306.2	286.7	286.7
47.5°	1981.6	1850.8	1230.2	629.0	456.4	409.1	339.6	300.6	281.1	264.4	261.6
50°	2193.2	1970.5	1174.5	545.5	400.8	367.4	308.9	278.3	261.6	250.5	250.5
52.5°	2415.8	2145.8	1135.5	470.4	356.2	311.7	286.7	267.2	253.3	244.9	242.1
55°	2641.3	2321.2	1107.7	389.6	314.5	286.7	281.1	264.4	258.8	250.5	244.9
57.5°	2894.5	2465.9	1102.1	334.0	281.1	275.5	286.7	272.8	264.4	256.1	247.7
60°	3167.3	2660.7	1052.1	289.5	264.4	270.0	278.3	264.4	258.8	250.5	244.9
62.5°	3437.3	2805.5	915.7	256.1	247.7	253.3	264.4	253.3	244.9	247.7	250.5
65°	3548.6	2816.6	709.7	231.0	228.2	231.0	247.7	244.9	236.6	253.3	253.3
67.5°	3437.3	2716.4	501.0	208.7	208.7	222.7	250.5	256.1	247.7	270.0	267.2
70°	3184.0	2468.7	339.6	194.8	200.4	236.6	258.8	253.3	242.1	270.0	264.4
72.5°	2702.5	1976.1	247.7	180.9	189.3	225.4	256.1	250.5	242.1	253.3	242.1
75°	2029.0	1405.5	194.8	164.2	167.0	203.2	264.4	250.5	228.2	222.7	214.3
77.5°	1355.4	868.4	150.3	144.7	144.7	178.1	253.3	233.8	206.0	197.6	194.8
80°	645.7	347.9	119.7	122.5	125.2	153.1	231.0	208.7	186.5	175.3	175.3
82.5°	206.0	130.8	100.2	100.2	100.2	125.2	192.0	175.3	161.4	153.1	139.2
85°	72.4	72.4	86.3	89.1	80.7	91.8	158.6	150.3	133.6	111.3	108.5
87.5°	27.8	41.7	58.4	69.6	50.1	64.0	114.1	105.8	97.4	72.4	69.6
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)