

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: P670966

Luminaire Tested: **CCP-SA-2C-740-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670966  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-740-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

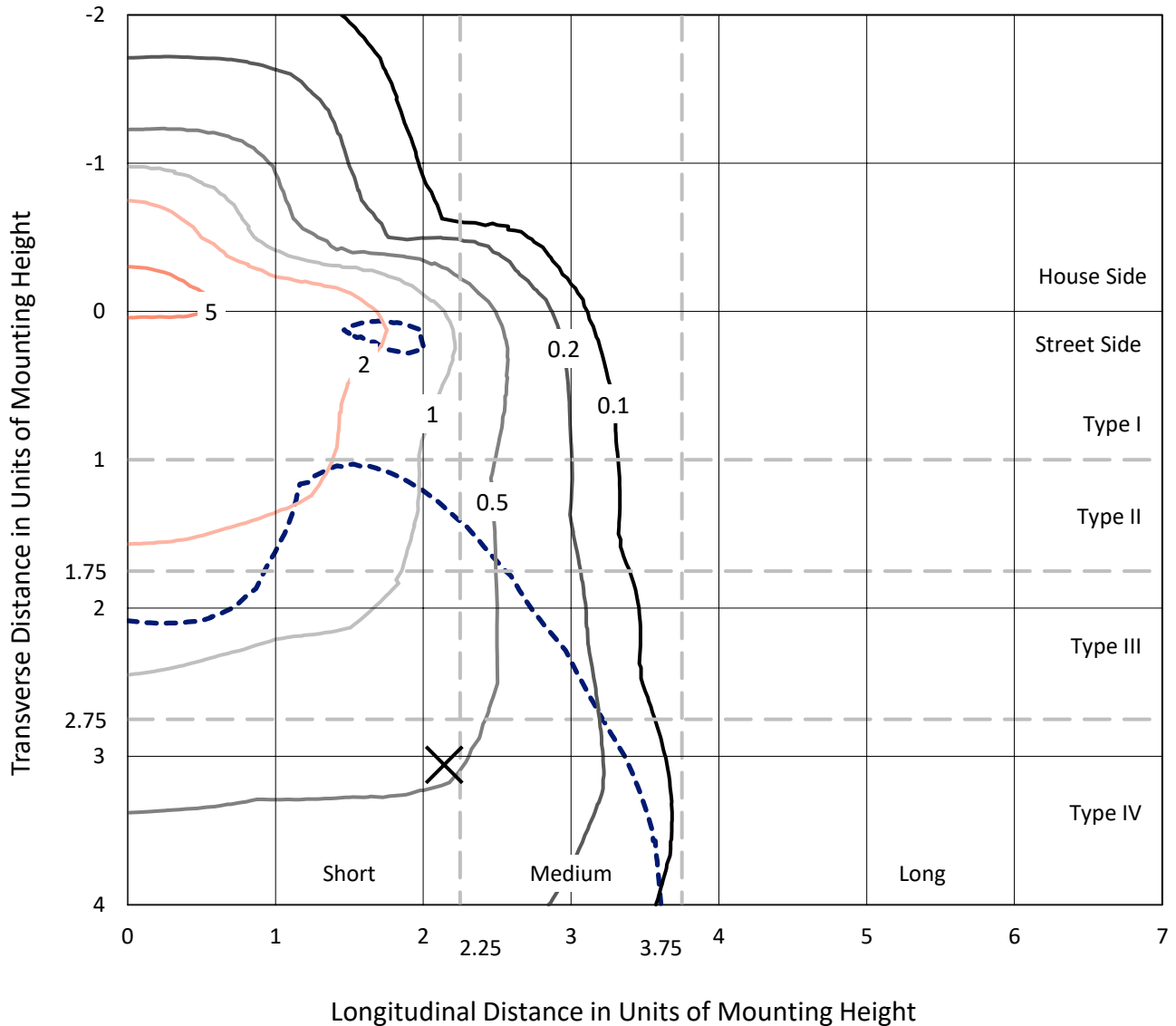
Lumens per Lamp: N/A  
Luminaire Lumens: 9035.9 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

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

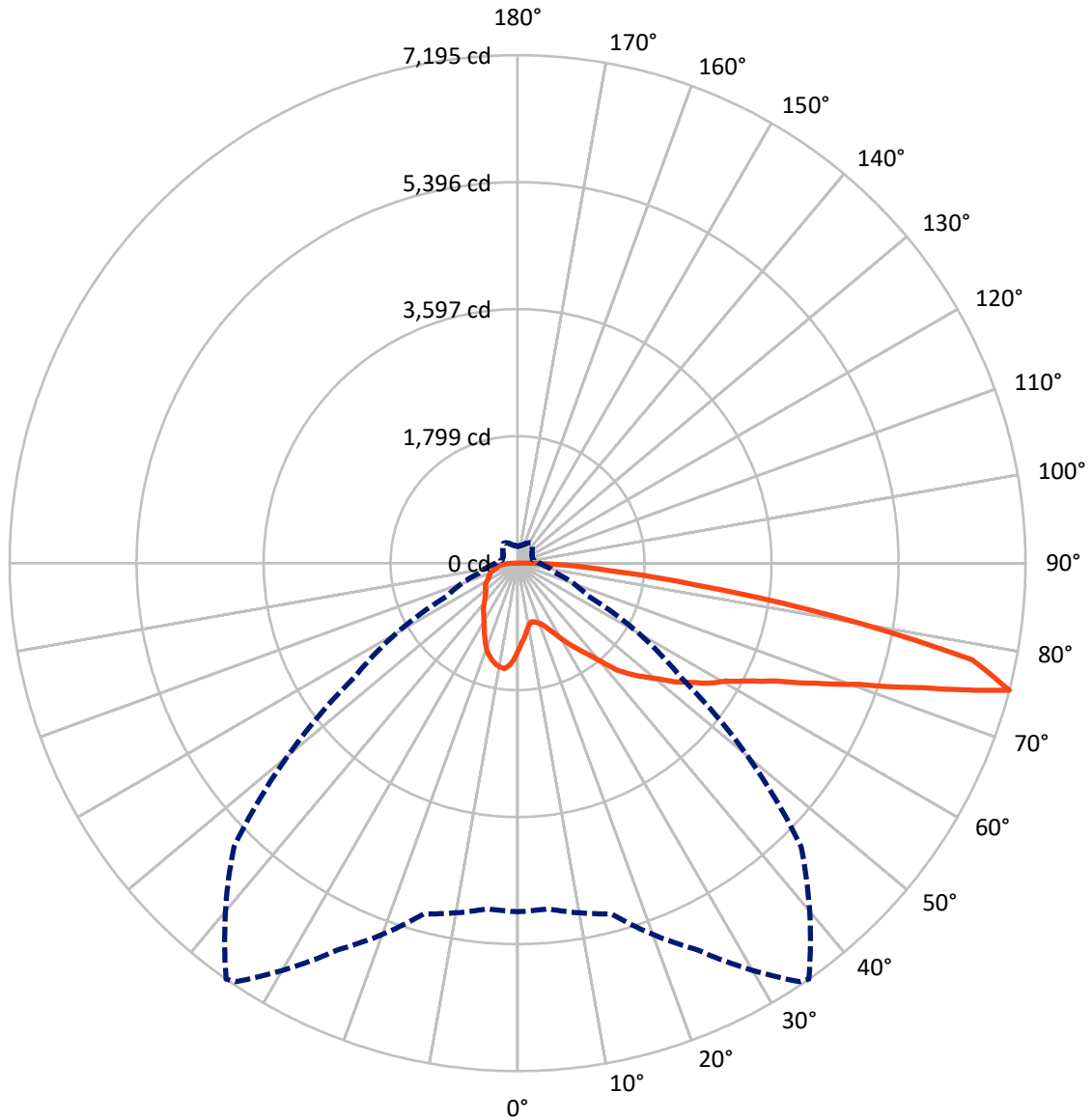
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2076.7	0.0	2076.7
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	6959.2	0.0	6959.2
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	9035.9	0.0	9035.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.9	1.3
10°-20°	342.4	3.8
20°-30°	568.1	6.3
30°-40°	842.1	9.3
40°-50°	1214.2	13.4
50°-60°	1669.7	18.5
60°-70°	2062.5	22.8
70°-80°	1886.9	20.9
80°-90°	332.2	3.7
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°	9035.9	100.0
0°-180°	9035.9	100.0



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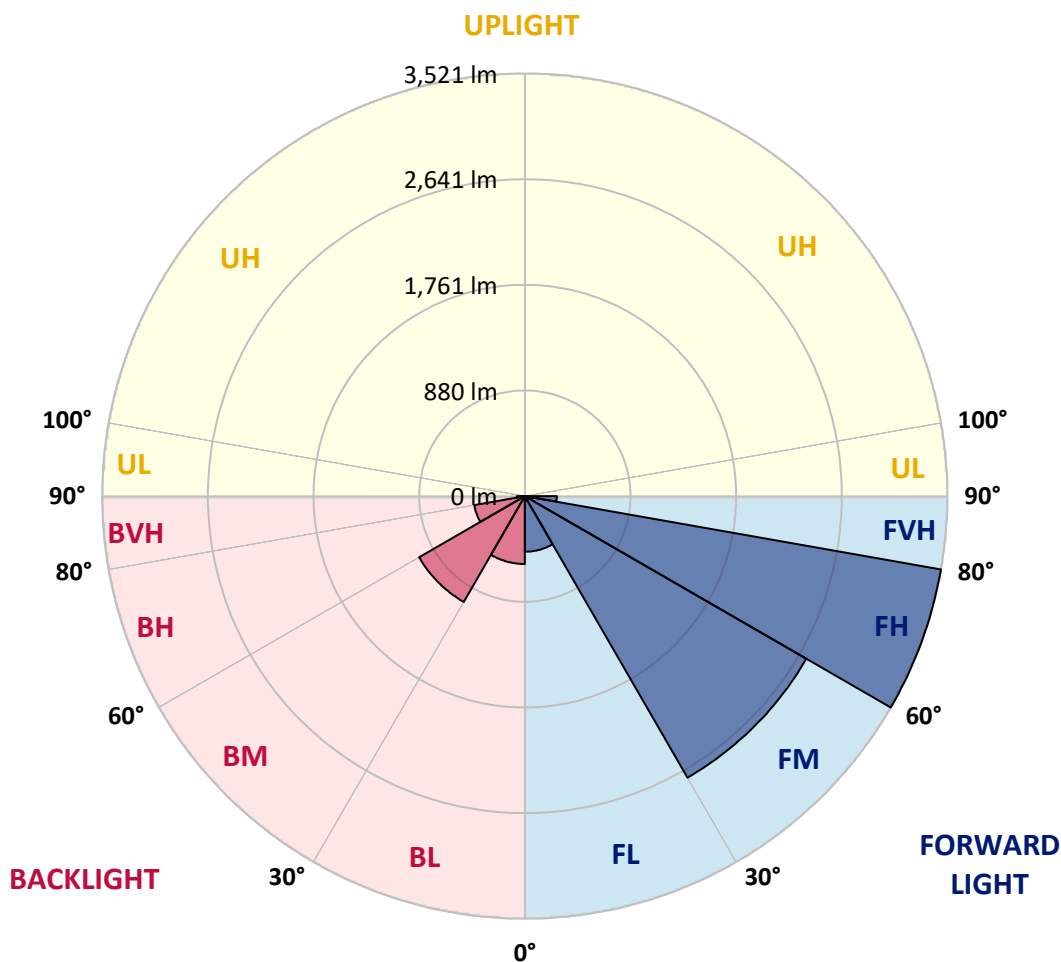
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.1	5.1			
FM (30°-60°)	2708.4	30.0			
FH (60°-80°)	3521.1	39.0			G2/5000
FVH (80°-90°)	266.6	3.0			G3/500
BL (0°-30°)	565.2	6.3	B2/1000		
BM (30°-60°)	1017.6	11.3	B2/2500		
BH (60°-80°)	428.2	4.7	B1/500		G1/500
BVH (80°-90°)	65.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0
2.5°	1121.5	1111.5	1121.5	1128.2	1128.2	1128.2	1138.1	1168.1	1188.1	1201.4	1224.7
5°	1005.0	1008.4	1015.0	1031.6	1041.6	1048.3	1064.9	1101.5	1131.5	1174.7	1224.7
7.5°	901.9	908.5	918.5	935.1	958.4	955.1	991.7	1041.6	1098.2	1154.8	1228.0
10°	848.6	861.9	865.3	868.6	891.9	891.9	941.8	998.4	1068.3	1141.5	1228.0
12.5°	858.6	858.6	848.6	845.3	858.6	855.3	898.5	965.1	1041.6	1144.8	1241.3
15°	888.5	888.5	868.6	848.6	868.6	861.9	898.5	951.8	1041.6	1148.1	1267.9
17.5°	928.5	931.8	908.5	875.2	881.9	885.2	911.8	961.8	1041.6	1154.8	1304.5
20°	1008.4	991.7	955.1	901.9	925.2	915.2	955.1	998.4	1061.6	1181.4	1357.8
22.5°	1078.2	1078.2	1008.4	961.8	965.1	965.1	1001.7	1038.3	1091.5	1218.0	1397.7
25°	1191.4	1184.7	1098.2	1028.3	1035.0	1038.3	1058.3	1101.5	1141.5	1238.0	1447.6
27.5°	1334.5	1317.8	1231.3	1151.5	1124.8	1134.8	1144.8	1178.1	1188.1	1271.3	1507.5
30°	1487.6	1464.3	1391.1	1264.6	1251.3	1254.6	1238.0	1257.9	1244.6	1324.5	1567.4
32.5°	1584.1	1584.1	1514.2	1421.0	1384.4	1384.4	1327.8	1341.1	1341.1	1374.4	1673.9
35°	1667.3	1660.6	1614.0	1544.1	1520.8	1507.5	1451.0	1470.9	1437.7	1470.9	1823.7
37.5°	1793.7	1773.8	1753.8	1707.2	1660.6	1650.6	1620.7	1634.0	1587.4	1570.8	1993.4
40°	1940.2	1930.2	1910.2	1890.2	1843.7	1840.3	1807.0	1820.4	1770.4	1707.2	2163.1
42.5°	2156.5	2126.5	2063.3	2046.7	2056.6	2070.0	2056.6	2033.3	1943.5	1863.6	2346.2
45°	2372.8	2326.2	2206.4	2179.8	2256.3	2246.3	2302.9	2292.9	2146.5	2020.0	2539.2
47.5°	2512.6	2472.6	2376.1	2359.5	2392.8	2406.1	2575.8	2545.8	2312.9	2163.1	2725.5
50°	2612.4	2615.7	2489.3	2532.5	2575.8	2575.8	2788.8	2785.4	2515.9	2339.5	2968.5
52.5°	2758.8	2712.2	2659.0	2698.9	2758.8	2792.1	3055.0	2981.8	2642.3	2489.3	3241.4
55°	2835.4	2815.4	2768.8	2838.7	2965.2	2981.8	3261.3	3204.8	2785.4	2665.6	3520.9
57.5°	2865.3	2882.0	2958.5	2988.4	3164.8	3208.1	3447.7	3367.8	2918.6	2885.3	3737.2
60°	2998.4	2975.1	3078.3	3198.1	3367.8	3391.1	3680.7	3507.6	3048.4	3028.4	3807.1
62.5°	3268.0	3208.1	3264.7	3407.8	3644.0	3674.0	3926.9	3694.0	3104.9	3124.9	3803.8
65°	3660.7	3617.4	3534.2	3647.4	3980.2	4023.4	4216.4	3853.7	3088.3	3091.6	3534.2
67.5°	4123.3	4053.4	3966.9	4036.7	4442.7	4542.6	4569.2	3923.6	2971.8	2905.3	2875.3
70°	4529.3	4482.7	4426.1	4545.9	5111.6	5148.3	5008.5	3880.3	2649.0	2332.9	1916.9
72.5°	4908.6	4885.3	4918.6	5367.9	6016.8	6040.1	5421.1	3607.4	2093.2	1414.4	891.9
75°	4938.6	4915.3	5144.9	6046.8	7151.6	7194.9	5677.4	2828.7	1104.9	575.7	376.1
77.5°	3344.5	3414.4	3843.7	5294.7	6569.3	6579.2	4642.4	1314.5	455.9	339.4	262.9
80°	822.0	911.8	1447.6	2738.9	4429.4	4539.2	2542.5	442.6	299.5	259.6	196.3
82.5°	299.5	326.1	589.0	1238.0	2489.3	2532.5	888.5	239.6	216.3	199.7	143.1
85°	143.1	146.4	279.5	609.0	1257.9	1244.6	319.5	143.1	156.4	136.4	86.5
87.5°	59.9	59.9	123.1	282.9	555.8	539.1	103.2	66.6	89.9	79.9	43.3
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°	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0	1238.0
2.5°	1241.3	1248.0	1274.6	1294.6	1314.5	1331.2	1357.8	1357.8	1374.4	1374.4	1374.4
5°	1238.0	1274.6	1317.8	1364.4	1394.4	1424.3	1451.0	1454.3	1464.3	1477.6	1480.9
7.5°	1251.3	1287.9	1357.8	1424.3	1460.9	1474.3	1507.5	1497.6	1497.6	1497.6	1507.5
10°	1277.9	1317.8	1414.4	1474.3	1500.9	1504.2	1494.2	1487.6	1467.6	1460.9	1451.0
12.5°	1297.9	1367.8	1464.3	1510.9	1500.9	1490.9	1467.6	1434.3	1411.0	1404.4	1404.4
15°	1347.8	1417.7	1507.5	1524.2	1507.5	1454.3	1424.3	1387.7	1367.8	1337.8	1351.1
17.5°	1391.1	1470.9	1550.8	1530.8	1497.6	1414.4	1371.1	1317.8	1291.2	1257.9	1257.9
20°	1447.6	1520.8	1590.7	1537.5	1464.3	1374.4	1304.5	1238.0	1201.4	1168.1	1174.7
22.5°	1510.9	1577.4	1614.0	1510.9	1414.4	1311.2	1214.7	1151.5	1104.9	1084.9	1091.5
25°	1560.8	1634.0	1627.3	1467.6	1354.5	1231.3	1124.8	1064.9	1054.9	1035.0	1035.0
27.5°	1624.0	1700.6	1617.4	1414.4	1254.6	1104.9	1038.3	1015.0	1015.0	1005.0	1011.7
30°	1707.2	1760.5	1594.1	1337.8	1128.2	991.7	958.4	971.7	995.0	985.1	988.4
32.5°	1843.7	1837.0	1574.1	1251.3	995.0	881.9	905.2	931.8	951.8	961.8	968.4
35°	1976.8	1933.5	1550.8	1134.8	871.9	828.6	848.6	878.6	915.2	925.2	928.5
37.5°	2109.9	2033.3	1510.9	991.7	795.4	782.1	802.0	818.7	848.6	855.3	861.9
40°	2249.7	2099.9	1441.0	851.9	732.1	732.1	745.4	748.8	765.4	775.4	782.1
42.5°	2372.8	2163.1	1314.5	722.2	665.6	688.9	692.2	685.5	672.2	678.9	682.2
45°	2522.5	2233.0	1168.1	629.0	615.7	645.6	652.3	625.6	602.3	589.0	582.4
47.5°	2669.0	2306.2	1041.6	552.4	569.1	615.7	615.7	585.7	545.8	512.5	499.2
50°	2802.1	2379.4	938.5	505.8	522.5	592.4	599.0	542.4	499.2	459.2	452.6
52.5°	3025.1	2502.6	832.0	469.2	495.9	575.7	572.4	522.5	465.9	422.6	419.3
55°	3221.4	2625.7	692.2	432.6	469.2	552.4	562.4	502.5	426.0	386.0	379.4
57.5°	3364.5	2655.7	552.4	396.0	442.6	525.8	539.1	462.6	399.3	366.1	362.7
60°	3391.1	2539.2	449.3	366.1	406.0	489.2	499.2	439.3	379.4	352.8	346.1
62.5°	3268.0	2316.2	382.7	339.4	376.1	452.6	472.6	412.7	359.4	336.1	332.8
65°	2988.4	1990.1	336.1	316.1	356.1	426.0	449.3	392.7	342.8	322.8	319.5
67.5°	2366.1	1527.5	299.5	299.5	329.5	399.3	432.6	379.4	326.1	312.8	309.5
70°	1547.5	918.5	272.9	276.2	309.5	376.1	412.7	362.7	306.2	302.8	296.2
72.5°	665.6	422.6	242.9	252.9	279.5	336.1	382.7	339.4	282.9	272.9	262.9
75°	306.2	256.2	219.6	226.3	249.6	296.2	346.1	312.8	262.9	246.3	236.3
77.5°	216.3	186.4	183.0	196.3	213.0	256.2	306.2	292.9	242.9	229.6	223.0
80°	159.7	143.1	153.1	166.4	176.4	236.3	289.5	269.6	223.0	203.0	193.0
82.5°	113.1	106.5	119.8	133.1	143.1	206.3	266.2	236.3	186.4	169.7	153.1
85°	66.6	69.9	83.2	89.9	99.8	153.1	223.0	189.7	143.1	109.8	106.5
87.5°	30.0	30.0	39.9	43.3	49.9	89.9	149.8	119.8	89.9	69.9	66.6
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)