

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: P670990

Luminaire Tested: **CCP-SA-2E-760-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670990  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-760-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

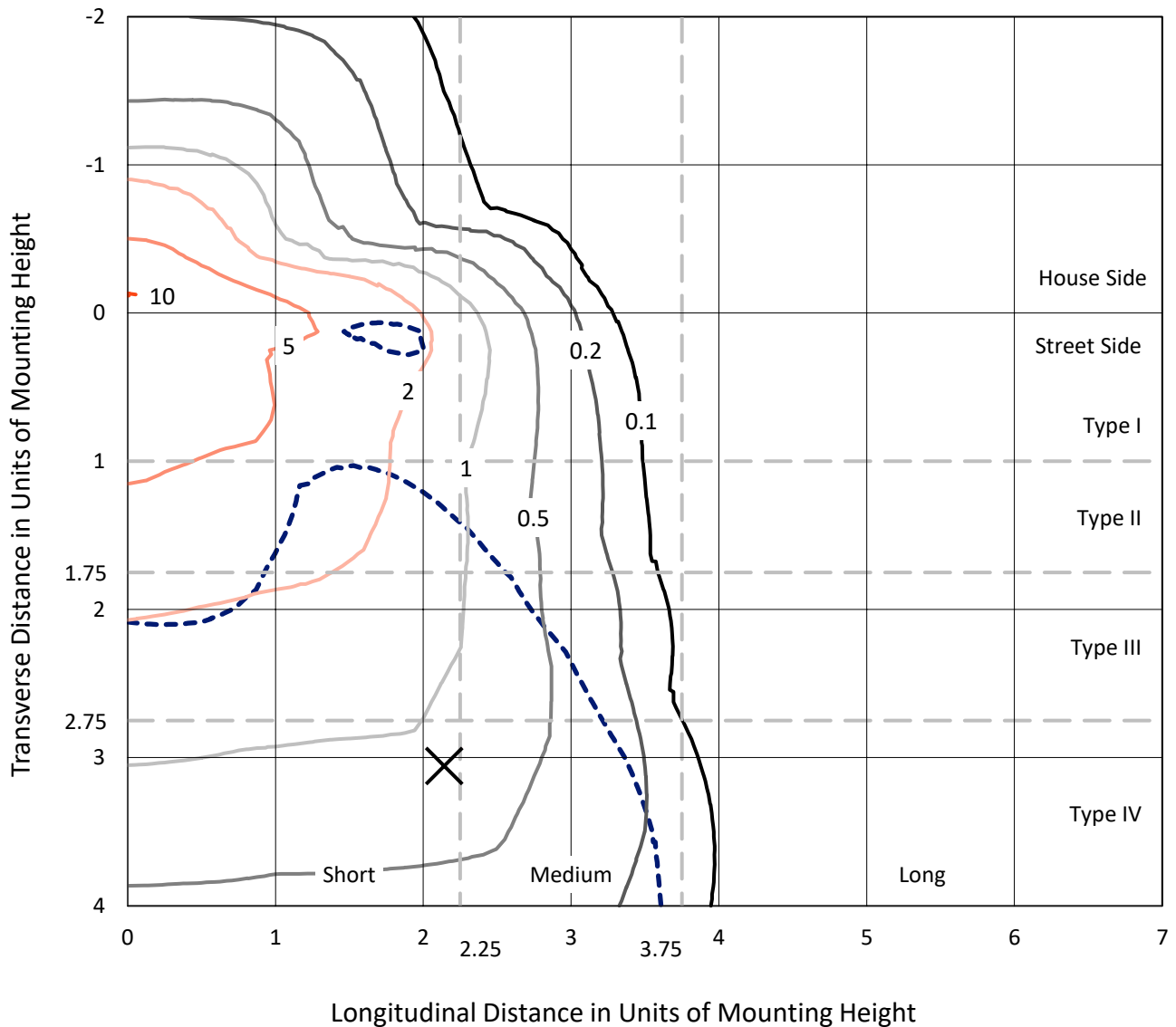
Lumens per Lamp: N/A  
Luminaire Lumens: 13977.5 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

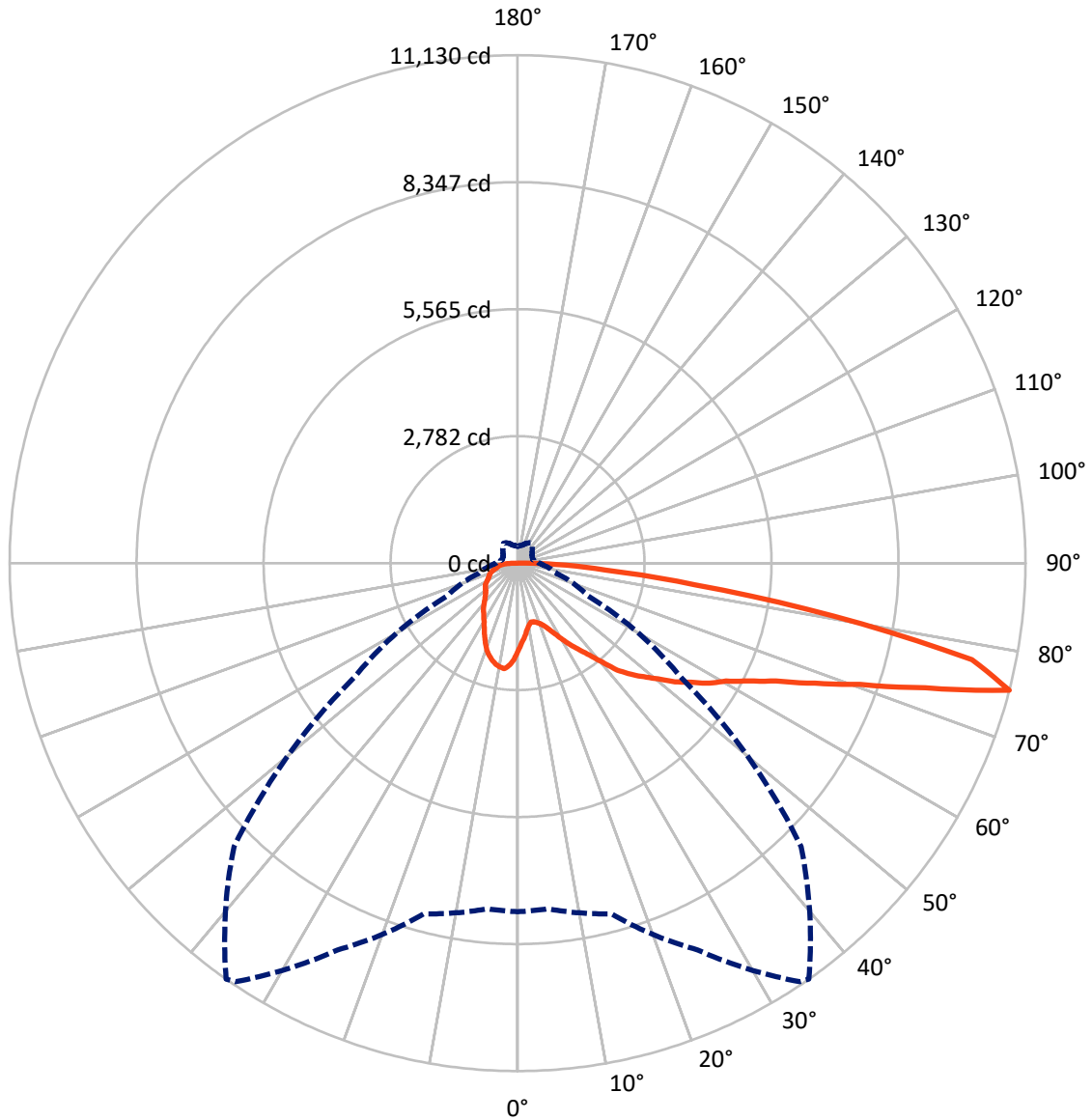
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 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	3212.4	0.0	3212.4
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	10765.1	0.0	10765.1
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	13977.5	0.0	13977.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.5	1.3
10°-20°	529.6	3.8
20°-30°	878.8	6.3
30°-40°	1302.6	9.3
40°-50°	1878.3	13.4
50°-60°	2582.9	18.5
60°-70°	3190.4	22.8
70°-80°	2918.8	20.9
80°-90°	513.8	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°	13977.5	100.0
0°-180°	13977.5	100.0



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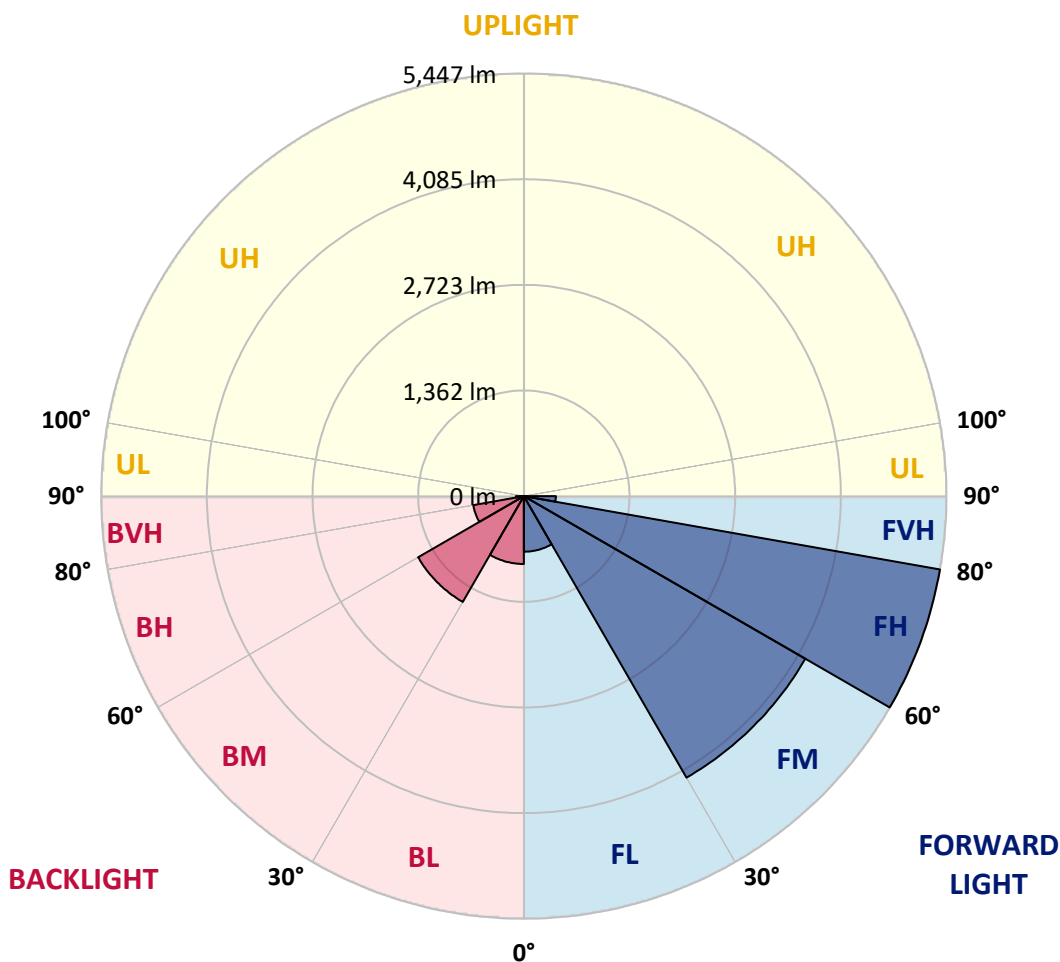
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.4	5.1			
FM (30°-60°)	4189.6	30.0			
FH (60°-80°)	5446.8	39.0			G3/7500
FVH (80°-90°)	412.4	3.0			G3/500
BL (0°-30°)	874.4	6.3	B2/1000		
BM (30°-60°)	1574.2	11.3	B2/2500		
BH (60°-80°)	662.4	4.7	B2/1000		G2/1000
BVH (80°-90°)	101.5	0.7			G2/225
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°	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0
2.5°	1734.8	1719.4	1734.8	1745.1	1745.1	1745.1	1760.6	1806.9	1837.8	1858.4	1894.4
5°	1554.7	1559.8	1570.1	1595.8	1611.3	1621.6	1647.3	1703.9	1750.3	1817.2	1894.4
7.5°	1395.1	1405.4	1420.8	1446.5	1482.6	1477.4	1534.1	1611.3	1698.8	1786.3	1899.6
10°	1312.7	1333.3	1338.4	1343.6	1379.6	1379.6	1456.8	1544.4	1652.5	1765.7	1899.6
12.5°	1328.1	1328.1	1312.7	1307.6	1328.1	1323.0	1389.9	1492.9	1611.3	1770.9	1920.2
15°	1374.5	1374.5	1343.6	1312.7	1343.6	1333.3	1389.9	1472.3	1611.3	1776.0	1961.3
17.5°	1436.3	1441.4	1405.4	1353.9	1364.2	1369.3	1410.5	1487.7	1611.3	1786.3	2018.0
20°	1559.8	1534.1	1477.4	1395.1	1431.1	1415.7	1477.4	1544.4	1642.2	1827.5	2100.3
22.5°	1667.9	1667.9	1559.8	1487.7	1492.9	1492.9	1549.5	1606.1	1688.5	1884.1	2162.1
25°	1842.9	1832.6	1698.8	1590.7	1601.0	1606.1	1637.0	1703.9	1765.7	1915.0	2239.3
27.5°	2064.3	2038.6	1904.7	1781.2	1740.0	1755.4	1770.9	1822.3	1837.8	1966.5	2332.0
30°	2301.1	2265.1	2151.8	1956.2	1935.6	1940.7	1915.0	1945.9	1925.3	2048.8	2424.6
32.5°	2450.4	2450.4	2342.3	2198.1	2141.5	2141.5	2054.0	2074.6	2074.6	2126.1	2589.4
35°	2579.1	2568.8	2496.7	2388.6	2352.6	2332.0	2244.5	2275.4	2223.9	2275.4	2821.0
37.5°	2774.7	2743.8	2712.9	2640.9	2568.8	2553.3	2507.0	2527.6	2455.5	2429.8	3083.6
40°	3001.2	2985.8	2954.9	2924.0	2851.9	2846.8	2795.3	2815.9	2738.7	2640.9	3346.1
42.5°	3335.8	3289.5	3191.7	3165.9	3181.4	3202.0	3181.4	3145.3	3006.4	2882.8	3629.2
45°	3670.4	3598.4	3413.0	3371.8	3490.3	3474.8	3562.3	3546.9	3320.4	3124.8	3927.8
47.5°	3886.6	3824.9	3675.6	3649.8	3701.3	3721.9	3984.4	3938.1	3577.8	3346.1	4216.1
50°	4041.1	4046.2	3850.6	3917.5	3984.4	3984.4	4313.9	4308.8	3891.8	3618.9	4591.9
52.5°	4267.6	4195.5	4113.1	4174.9	4267.6	4319.1	4725.7	4612.5	4087.4	3850.6	5014.0
55°	4386.0	4355.1	4283.0	4391.1	4586.7	4612.5	5044.9	4957.4	4308.8	4123.4	5446.4
57.5°	4432.3	4458.0	4576.4	4622.8	4895.6	4962.5	5333.2	5209.6	4514.7	4463.2	5781.0
60°	4638.2	4602.2	4761.8	4947.1	5209.6	5245.7	5693.5	5425.8	4715.4	4684.6	5889.2
62.5°	5055.2	4962.5	5050.1	5271.4	5636.9	5683.2	6074.5	5714.1	4803.0	4833.8	5884.0
65°	5662.6	5595.7	5467.0	5642.1	6156.8	6223.8	6522.3	5961.2	4777.2	4782.4	5467.0
67.5°	6378.2	6270.1	6136.3	6244.4	6872.4	7026.8	7068.0	6069.3	4597.0	4494.1	4447.8
70°	7006.2	6934.2	6846.7	7032.0	7907.1	7963.7	7747.5	6002.4	4097.7	3608.7	2965.2
72.5°	7593.1	7557.1	7608.5	8303.5	9307.3	9343.4	8385.9	5580.3	3238.0	2187.8	1379.6
75°	7639.4	7603.4	7958.6	9353.7	11062.8	11129.7	8782.3	4375.7	1709.1	890.6	581.7
77.5°	5173.6	5281.7	5945.8	8190.2	10161.9	10177.3	7181.3	2033.4	705.3	525.1	406.7
80°	1271.5	1410.5	2239.3	4236.7	6851.8	7021.7	3933.0	684.7	463.3	401.5	303.7
82.5°	463.3	504.5	911.2	1915.0	3850.6	3917.5	1374.5	370.6	334.6	308.9	221.4
85°	221.4	226.5	432.4	942.1	1945.9	1925.3	494.2	221.4	241.9	211.1	133.8
87.5°	92.7	92.7	190.5	437.6	859.7	834.0	159.6	103.0	139.0	123.5	66.9
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°	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0	1915.0
2.5°	1920.2	1930.4	1971.6	2002.5	2033.4	2059.1	2100.3	2100.3	2126.1	2126.1	2126.1
5°	1915.0	1971.6	2038.6	2110.6	2157.0	2203.3	2244.5	2249.6	2265.1	2285.7	2290.8
7.5°	1935.6	1992.2	2100.3	2203.3	2259.9	2280.5	2332.0	2316.5	2316.5	2316.5	2332.0
10°	1976.8	2038.6	2187.8	2280.5	2321.7	2326.8	2311.4	2301.1	2270.2	2259.9	2244.5
12.5°	2007.7	2115.8	2265.1	2337.1	2321.7	2306.2	2270.2	2218.7	2182.7	2172.4	2172.4
15°	2084.9	2193.0	2332.0	2357.7	2332.0	2249.6	2203.3	2146.7	2115.8	2069.4	2090.0
17.5°	2151.8	2275.4	2398.9	2368.0	2316.5	2187.8	2120.9	2038.6	1997.4	1945.9	1945.9
20°	2239.3	2352.6	2460.7	2378.3	2265.1	2126.1	2018.0	1915.0	1858.4	1806.9	1817.2
22.5°	2337.1	2440.1	2496.7	2337.1	2187.8	2028.3	1879.0	1781.2	1709.1	1678.2	1688.5
25°	2414.3	2527.6	2517.3	2270.2	2095.2	1904.7	1740.0	1647.3	1631.9	1601.0	1601.0
27.5°	2512.2	2630.6	2501.9	2187.8	1940.7	1709.1	1606.1	1570.1	1570.1	1554.7	1565.0
30°	2640.9	2723.2	2465.8	2069.4	1745.1	1534.1	1482.6	1503.2	1539.2	1523.8	1528.9
32.5°	2851.9	2841.6	2434.9	1935.6	1539.2	1364.2	1400.2	1441.4	1472.3	1487.7	1498.0
35°	3057.8	2990.9	2398.9	1755.4	1348.7	1281.8	1312.7	1359.0	1415.7	1431.1	1436.3
37.5°	3263.7	3145.3	2337.1	1534.1	1230.3	1209.7	1240.6	1266.4	1312.7	1323.0	1333.3
40°	3480.0	3248.3	2229.0	1317.9	1132.5	1132.5	1153.1	1158.3	1184.0	1199.5	1209.7
42.5°	3670.4	3346.1	2033.4	1117.1	1029.6	1065.6	1070.8	1060.5	1039.9	1050.2	1055.3
45°	3902.1	3454.2	1806.9	972.9	952.4	998.7	1009.0	967.8	931.8	911.2	900.9
47.5°	4128.6	3567.5	1611.3	854.5	880.3	952.4	952.4	906.0	844.2	792.8	772.2
50°	4334.5	3680.7	1451.7	782.5	808.2	916.3	926.6	839.1	772.2	710.4	700.1
52.5°	4679.4	3871.2	1287.0	725.8	767.0	890.6	885.4	808.2	720.7	653.8	648.6
55°	4983.1	4061.7	1070.8	669.2	725.8	854.5	870.0	777.3	658.9	597.2	586.9
57.5°	5204.5	4108.0	854.5	612.6	684.7	813.4	834.0	715.6	617.7	566.3	561.1
60°	5245.7	3927.8	695.0	566.3	628.0	756.7	772.2	679.5	586.9	545.7	535.4
62.5°	5055.2	3582.9	592.0	525.1	581.7	700.1	731.0	638.3	556.0	519.9	514.8
65°	4622.8	3078.4	519.9	489.0	550.8	658.9	695.0	607.4	530.2	499.3	494.2
67.5°	3660.1	2362.9	463.3	463.3	509.6	617.7	669.2	586.9	504.5	483.9	478.8
70°	2393.8	1420.8	422.1	427.3	478.8	581.7	638.3	561.1	473.6	468.5	458.2
72.5°	1029.6	653.8	375.8	391.2	432.4	519.9	592.0	525.1	437.6	422.1	406.7
75°	473.6	396.4	339.8	350.1	386.1	458.2	535.4	483.9	406.7	380.9	365.5
77.5°	334.6	288.3	283.1	303.7	329.5	396.4	473.6	453.0	375.8	355.2	344.9
80°	247.1	221.4	236.8	257.4	272.8	365.5	447.9	417.0	344.9	314.0	298.6
82.5°	175.0	164.7	185.3	205.9	221.4	319.2	411.8	365.5	288.3	262.5	236.8
85°	103.0	108.1	128.7	139.0	154.4	236.8	344.9	293.4	221.4	169.9	164.7
87.5°	46.3	46.3	61.8	66.9	77.2	139.0	231.7	185.3	139.0	108.1	103.0
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)