

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: P670968

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670968
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

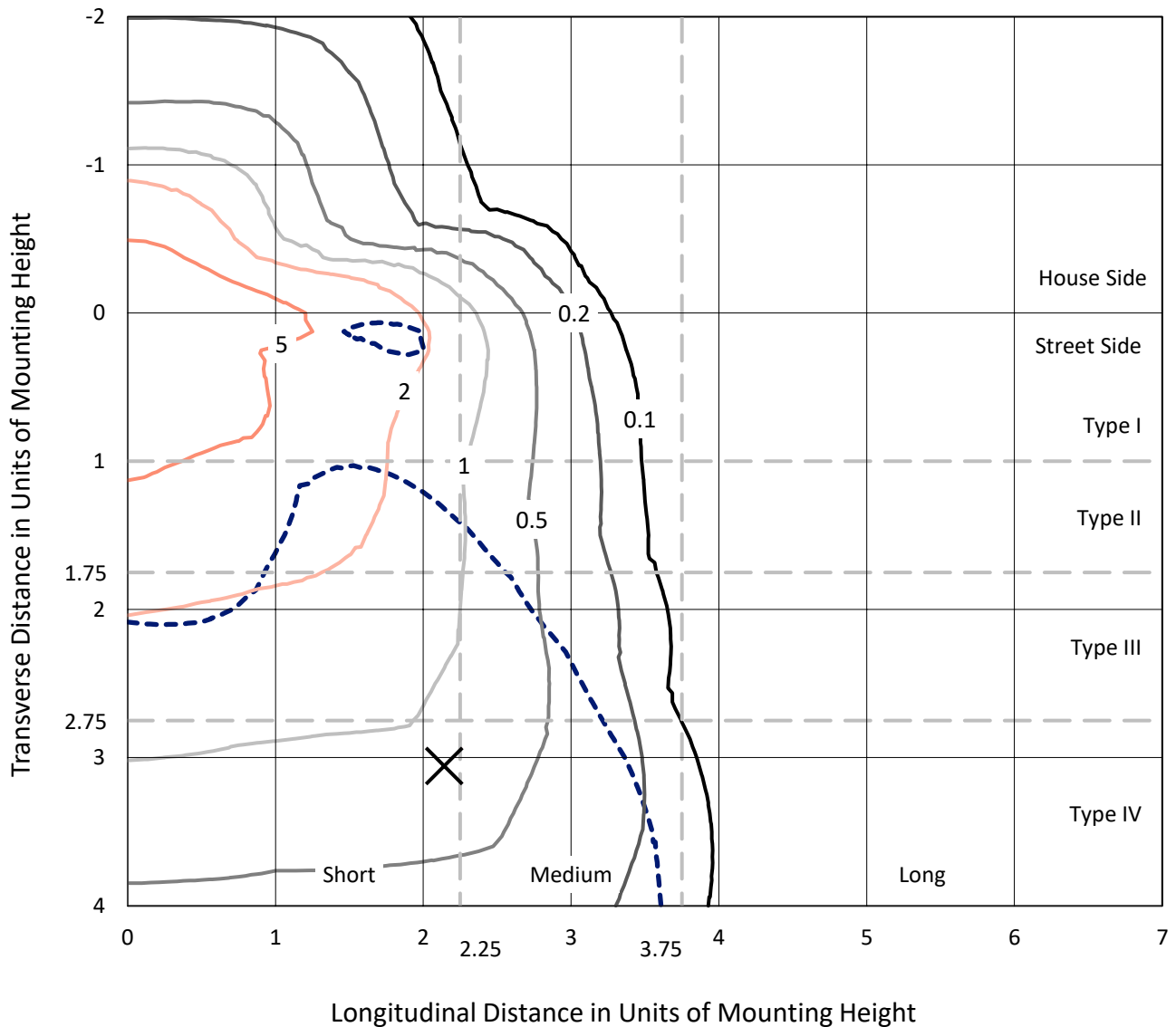
Lumens per Lamp: N/A
Luminaire Lumens: 13664.6 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (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

REPORT NUMBER: P670968
 CATALOG NUMBER: CCP-SA-2E-740-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

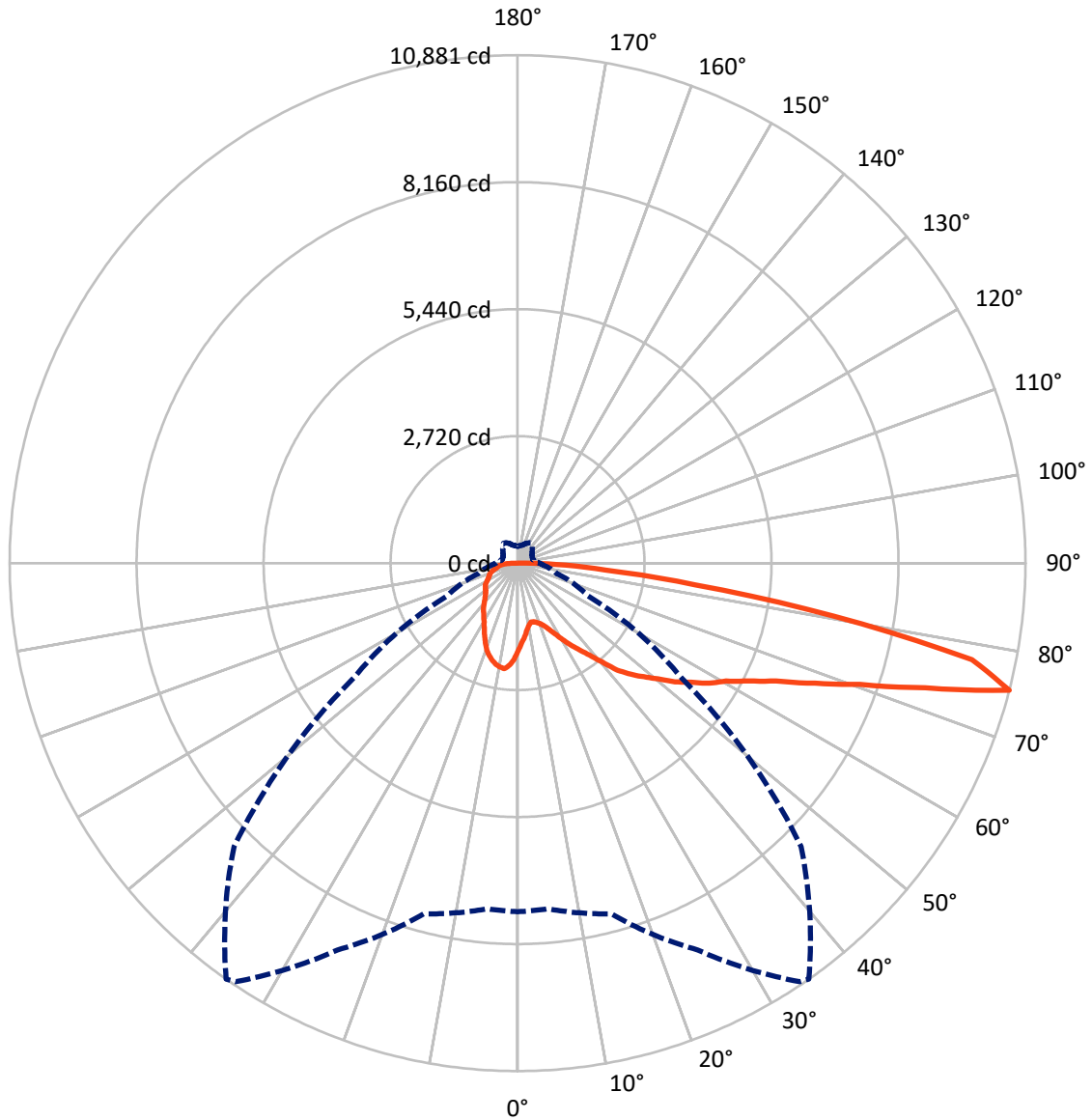
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P670968
CATALOG NUMBER: CCP-SA-2E-740-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P670968
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3140.5	0.0	3140.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	10524.1	0.0	10524.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	13664.6	0.0	13664.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	1.3
10°-20°	517.7	3.8
20°-30°	859.1	6.3
30°-40°	1273.5	9.3
40°-50°	1836.2	13.4
50°-60°	2525.0	18.5
60°-70°	3119.0	22.8
70°-80°	2853.4	20.9
80°-90°	502.3	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°	13664.6	100.0
0°-180°	13664.6	100.0



REPORT NUMBER: P670968

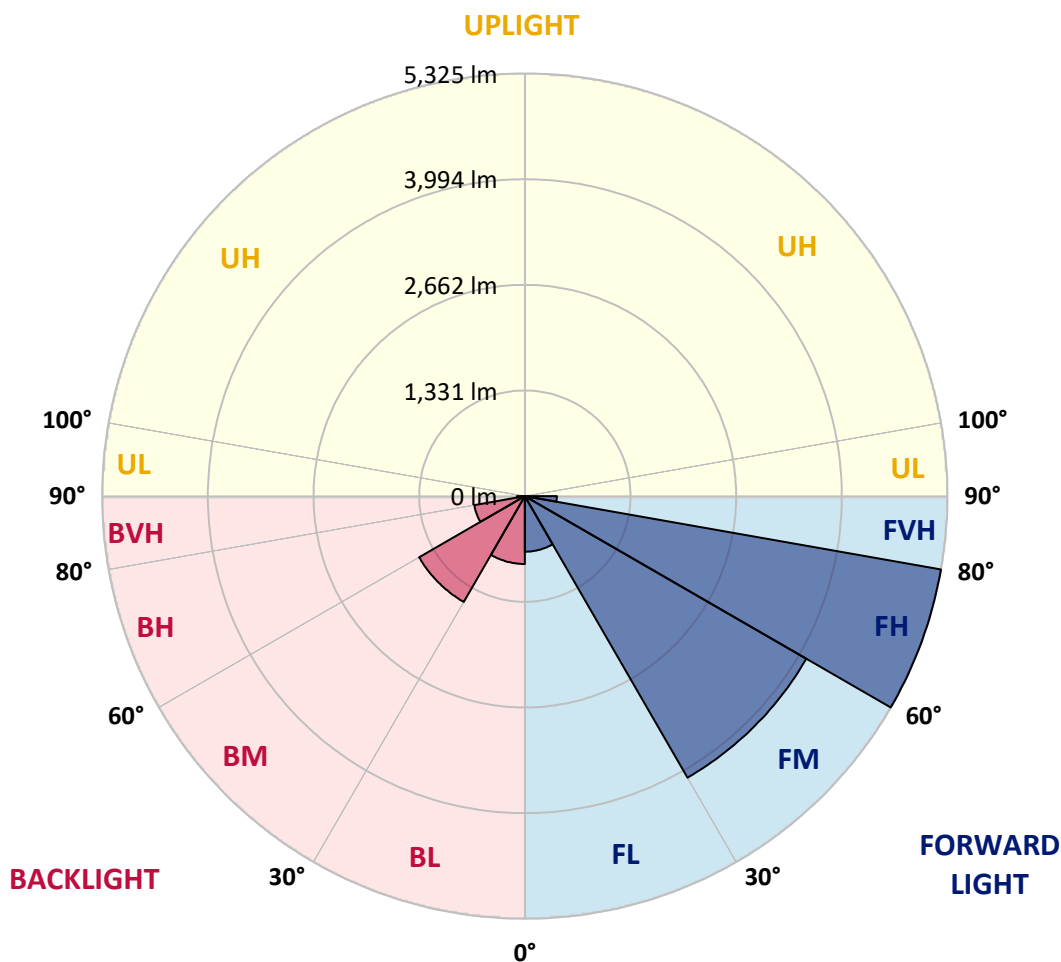
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.4	5.1			
FM (30°-60°)	4095.8	30.0			
FH (60°-80°)	5324.8	39.0			G3/7500
FVH (80°-90°)	403.1	3.0			G3/500
BL (0°-30°)	854.8	6.3	B2/1000		
BM (30°-60°)	1538.9	11.3	B2/2500		
BH (60°-80°)	647.6	4.7	B2/1000		G2/1000
BVH (80°-90°)	99.2	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





REPORT NUMBER: P670968

CATALOG NUMBER: CCP-SA-2E-740-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1
2.5°	1696.0	1680.9	1696.0	1706.1	1706.1	1706.1	1721.2	1766.4	1796.6	1816.8	1852.0
5°	1519.8	1524.9	1534.9	1560.1	1575.2	1585.3	1610.4	1665.8	1711.1	1776.5	1852.0
7.5°	1363.8	1373.9	1389.0	1414.2	1449.4	1444.4	1499.7	1575.2	1660.8	1746.3	1857.0
10°	1283.3	1303.4	1308.5	1313.5	1348.7	1348.7	1424.2	1509.8	1615.5	1726.2	1857.0
12.5°	1298.4	1298.4	1283.3	1278.3	1298.4	1293.4	1358.8	1459.5	1575.2	1731.2	1877.2
15°	1343.7	1343.7	1313.5	1283.3	1313.5	1303.4	1358.8	1439.3	1575.2	1736.3	1917.4
17.5°	1404.1	1409.1	1373.9	1323.6	1333.6	1338.7	1378.9	1454.4	1575.2	1746.3	1972.8
20°	1524.9	1499.7	1444.4	1363.8	1399.1	1384.0	1444.4	1509.8	1605.4	1786.6	2053.3
22.5°	1630.6	1630.6	1524.9	1454.4	1459.5	1459.5	1514.8	1570.2	1650.7	1841.9	2113.7
25°	1801.7	1791.6	1660.8	1555.1	1565.1	1570.2	1600.4	1665.8	1726.2	1872.1	2189.2
27.5°	2018.1	1992.9	1862.1	1741.3	1701.0	1716.1	1731.2	1781.5	1796.6	1922.5	2279.8
30°	2249.6	2214.4	2103.6	1912.4	1892.3	1897.3	1872.1	1902.3	1882.2	2003.0	2370.4
32.5°	2395.5	2395.5	2289.8	2148.9	2093.6	2093.6	2008.0	2028.1	2028.1	2078.5	2531.4
35°	2521.3	2511.3	2440.8	2335.1	2299.9	2279.8	2194.2	2224.4	2174.1	2224.4	2757.9
37.5°	2712.6	2682.4	2652.2	2581.7	2511.3	2496.2	2450.9	2471.0	2400.6	2375.4	3014.5
40°	2934.0	2918.9	2888.7	2858.5	2788.1	2783.0	2732.7	2752.8	2677.4	2581.7	3271.2
42.5°	3261.1	3215.8	3120.2	3095.1	3110.2	3130.3	3110.2	3074.9	2939.0	2818.3	3548.0
45°	3588.3	3517.8	3336.6	3296.4	3412.1	3397.0	3482.6	3467.5	3246.0	3054.8	3839.9
47.5°	3799.6	3739.2	3593.3	3568.1	3618.5	3638.6	3895.2	3850.0	3497.7	3271.2	4121.7
50°	3950.6	3955.6	3764.4	3829.8	3895.2	3895.2	4217.3	4212.3	3804.7	3537.9	4489.1
52.5°	4172.0	4101.6	4021.1	4081.5	4172.0	4222.4	4619.9	4509.2	3995.9	3764.4	4901.8
55°	4287.8	4257.6	4187.1	4292.8	4484.1	4509.2	4932.0	4846.4	4212.3	4031.1	5324.5
57.5°	4333.1	4358.2	4474.0	4519.3	4786.0	4851.4	5213.8	5093.0	4413.6	4363.3	5651.6
60°	4534.4	4499.2	4655.2	4836.3	5093.0	5128.2	5566.1	5304.4	4609.9	4579.7	5757.3
62.5°	4942.0	4851.4	4937.0	5153.4	5510.7	5556.0	5938.5	5586.2	4695.4	4725.6	5752.3
65°	5535.9	5470.5	5344.6	5515.7	6019.0	6084.4	6376.3	5827.8	4670.3	4675.3	5344.6
67.5°	6235.4	6129.7	5998.9	6104.6	6718.5	6869.5	6909.8	5933.5	4494.1	4393.5	4348.2
70°	6849.4	6778.9	6693.4	6874.6	7730.1	7785.5	7574.1	5868.0	4006.0	3527.9	2898.8
72.5°	7423.1	7387.9	7438.2	8117.6	9099.0	9134.2	8198.1	5455.4	3165.5	2138.9	1348.7
75°	7468.4	7433.2	7780.4	9144.3	10815.1	10880.5	8585.6	4277.7	1670.8	870.6	568.7
77.5°	5057.8	5163.5	5812.7	8006.9	9934.4	9949.5	7020.5	1987.9	689.5	513.3	397.6
80°	1243.1	1378.9	2189.2	4141.8	6698.4	6864.5	3844.9	669.3	452.9	392.5	296.9
82.5°	452.9	493.2	890.8	1872.1	3764.4	3829.8	1343.7	362.3	327.1	302.0	216.4
85°	216.4	221.4	422.7	921.0	1902.3	1882.2	483.1	216.4	236.5	206.3	130.8
87.5°	90.6	90.6	186.2	427.8	840.4	815.3	156.0	100.7	135.9	120.8	65.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P670968
 CATALOG NUMBER: CCP-SA-2E-740-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1
2.5°	1877.2	1887.2	1927.5	1957.7	1987.9	2013.0	2053.3	2053.3	2078.5	2078.5	2078.5
5°	1872.1	1927.5	1992.9	2063.4	2108.7	2154.0	2194.2	2199.3	2214.4	2234.5	2239.5
7.5°	1892.3	1947.6	2053.3	2154.0	2209.3	2229.4	2279.8	2264.7	2264.7	2264.7	2279.8
10°	1932.5	1992.9	2138.9	2229.4	2269.7	2274.7	2259.6	2249.6	2219.4	2209.3	2194.2
12.5°	1962.7	2068.4	2214.4	2284.8	2269.7	2254.6	2219.4	2169.1	2133.8	2123.8	2123.8
15°	2038.2	2143.9	2279.8	2304.9	2279.8	2199.3	2154.0	2098.6	2068.4	2023.1	2043.2
17.5°	2103.6	2224.4	2345.2	2315.0	2264.7	2138.9	2073.4	1992.9	1952.7	1902.3	1902.3
20°	2189.2	2299.9	2405.6	2325.1	2214.4	2078.5	1972.8	1872.1	1816.8	1766.4	1776.5
22.5°	2284.8	2385.5	2440.8	2284.8	2138.9	1982.9	1836.9	1741.3	1670.8	1640.6	1650.7
25°	2360.3	2471.0	2460.9	2219.4	2048.3	1862.1	1701.0	1610.4	1595.3	1565.1	1565.1
27.5°	2455.9	2571.7	2445.9	2138.9	1897.3	1670.8	1570.2	1534.9	1534.9	1519.8	1529.9
30°	2581.7	2662.3	2410.6	2023.1	1706.1	1499.7	1449.4	1469.5	1504.8	1489.7	1494.7
32.5°	2788.1	2778.0	2380.4	1892.3	1504.8	1333.6	1368.9	1409.1	1439.3	1454.4	1464.5
35°	2989.4	2923.9	2345.2	1716.1	1318.5	1253.1	1283.3	1328.6	1384.0	1399.1	1404.1
37.5°	3190.7	3074.9	2284.8	1499.7	1202.8	1182.7	1212.9	1238.0	1283.3	1293.4	1303.4
40°	3402.0	3175.6	2179.1	1288.3	1107.2	1107.2	1127.3	1132.3	1157.5	1172.6	1182.7
42.5°	3588.3	3271.2	1987.9	1092.1	1006.5	1041.8	1046.8	1036.7	1016.6	1026.7	1031.7
45°	3814.7	3376.9	1766.4	951.2	931.0	976.3	986.4	946.1	910.9	890.8	880.7
47.5°	4036.2	3487.6	1575.2	835.4	860.6	931.0	931.0	885.7	825.3	775.0	754.9
50°	4237.5	3598.3	1419.2	765.0	790.1	895.8	905.9	820.3	754.9	694.5	684.4
52.5°	4574.6	3784.5	1258.2	709.6	749.9	870.6	865.6	790.1	704.6	639.1	634.1
55°	4871.6	3970.7	1046.8	654.2	709.6	835.4	850.5	759.9	644.2	583.8	573.7
57.5°	5088.0	4016.0	835.4	598.9	669.3	795.2	815.3	699.5	603.9	553.6	548.6
60°	5128.2	3839.9	679.4	553.6	614.0	739.8	754.9	664.3	573.7	533.5	523.4
62.5°	4942.0	3502.7	578.8	513.3	568.7	684.4	714.6	624.0	543.5	508.3	503.3
65°	4519.3	3009.5	508.3	478.1	538.5	644.2	679.4	593.8	518.4	488.2	483.1
67.5°	3578.2	2310.0	452.9	452.9	498.2	603.9	654.2	573.7	493.2	473.1	468.0
70°	2340.2	1389.0	412.7	417.7	468.0	568.7	624.0	548.6	463.0	458.0	447.9
72.5°	1006.5	639.1	367.4	382.5	422.7	508.3	578.8	513.3	427.8	412.7	397.6
75°	463.0	387.5	332.2	342.2	377.4	447.9	523.4	473.1	397.6	372.4	357.3
77.5°	327.1	281.8	276.8	296.9	322.1	387.5	463.0	442.9	367.4	347.3	337.2
80°	241.6	216.4	231.5	251.6	266.7	357.3	437.8	407.6	337.2	307.0	291.9
82.5°	171.1	161.0	181.2	201.3	216.4	312.0	402.6	357.3	281.8	256.7	231.5
85°	100.7	105.7	125.8	135.9	151.0	231.5	337.2	286.9	216.4	166.1	161.0
87.5°	45.3	45.3	60.4	65.4	75.5	135.9	226.5	181.2	135.9	105.7	100.7
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)