

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: P675032

Luminaire Tested: **CCW-SA-2E-830-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675032
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-830-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

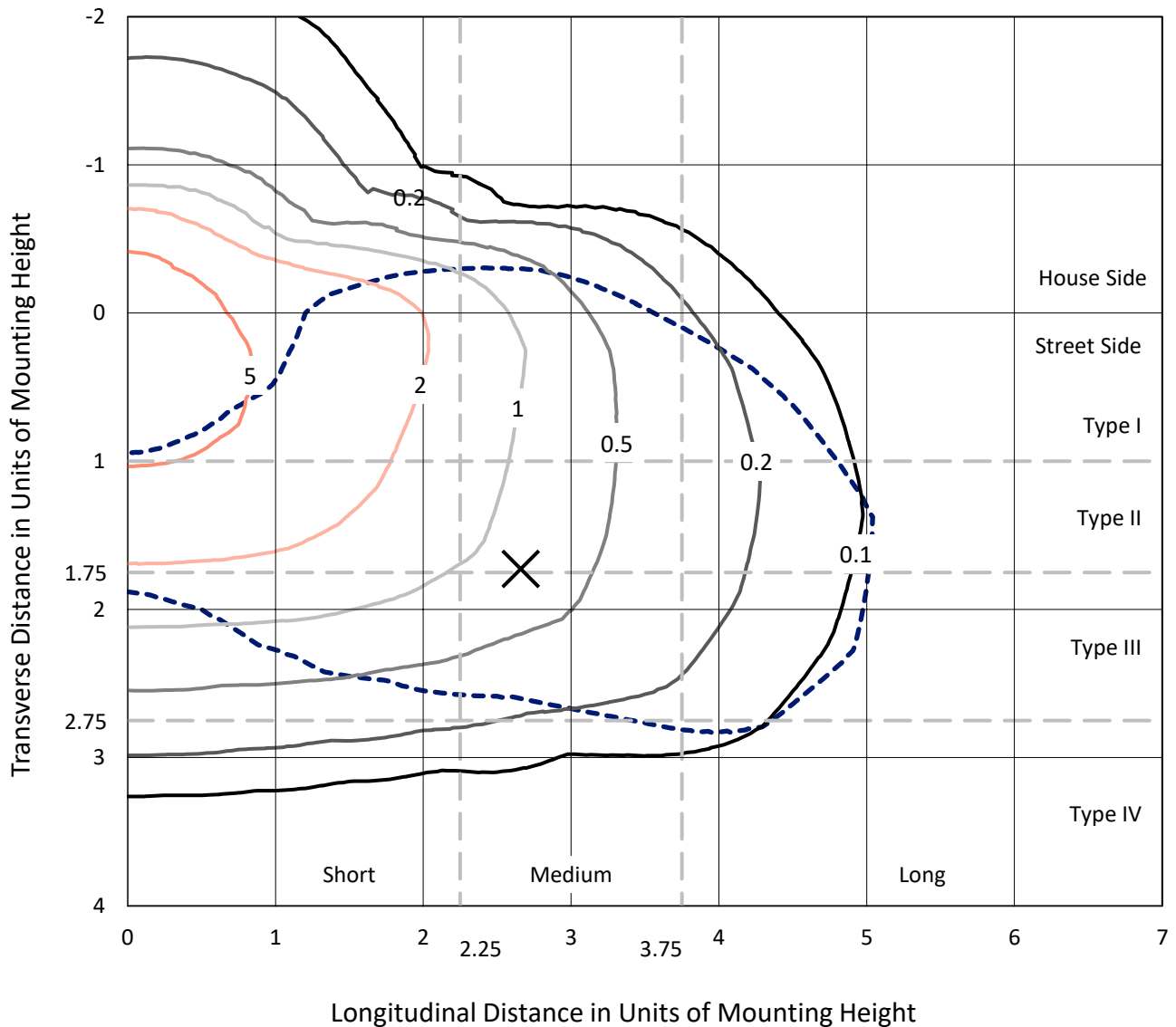
Lumens per Lamp: N/A
Luminaire Lumens: 10977.4 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

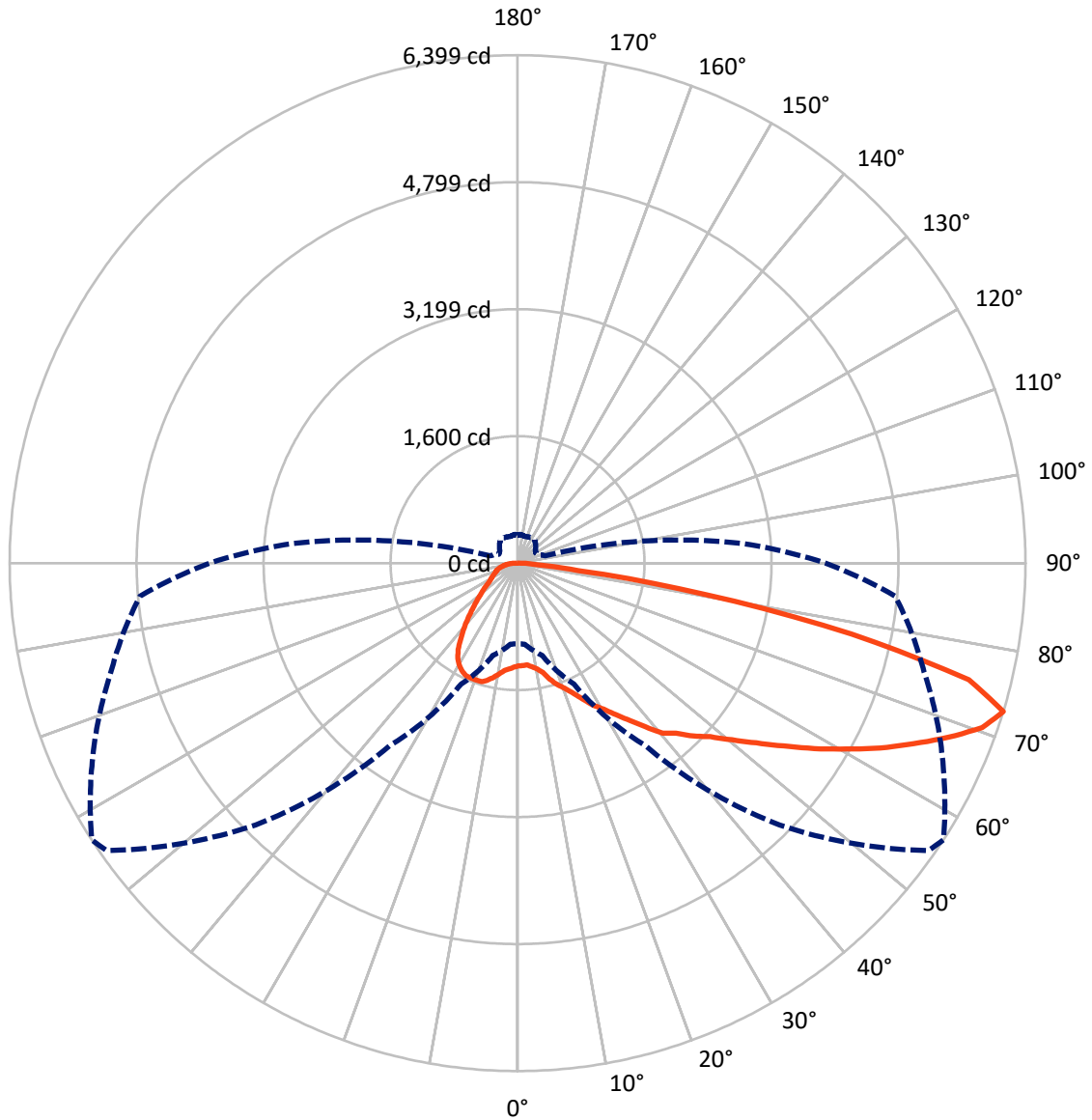
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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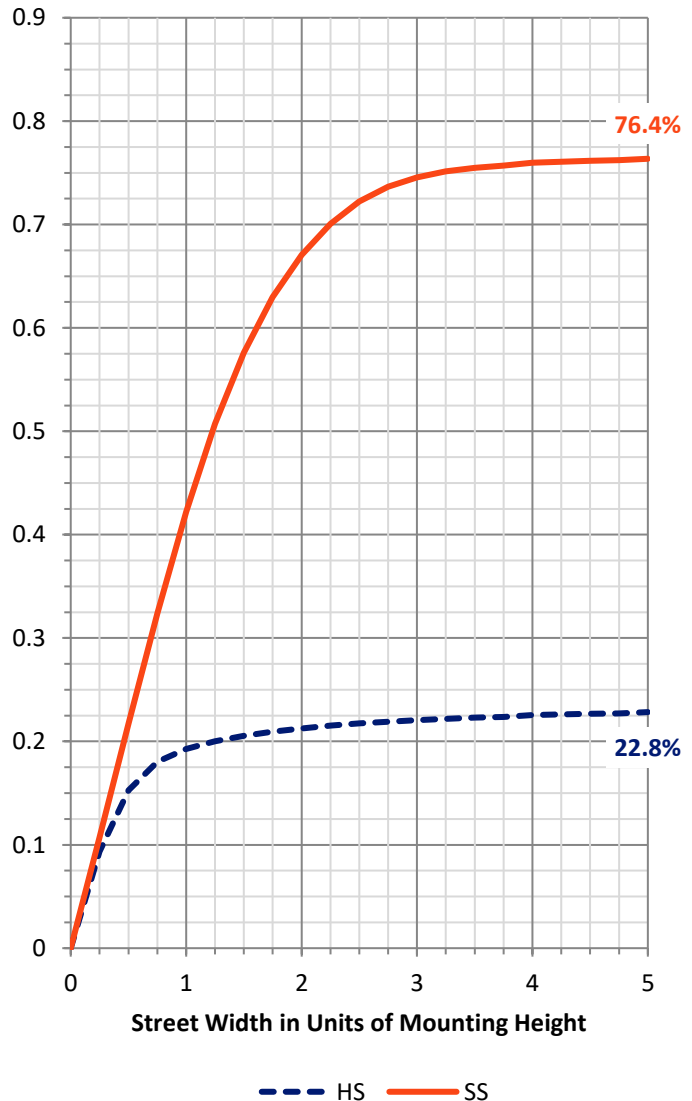
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.6	0.0	2563.6
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	8413.8	0.0	8413.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	10977.4	0.0	10977.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	1.2
10°-20°	433.4	3.9
20°-30°	792.4	7.2
30°-40°	1162.5	10.6
40°-50°	1600.6	14.6
50°-60°	2194.9	20.0
60°-70°	2645.8	24.1
70°-80°	1762.5	16.1
80°-90°	256.7	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°	10977.4	100.0
0°-180°	10977.4	100.0



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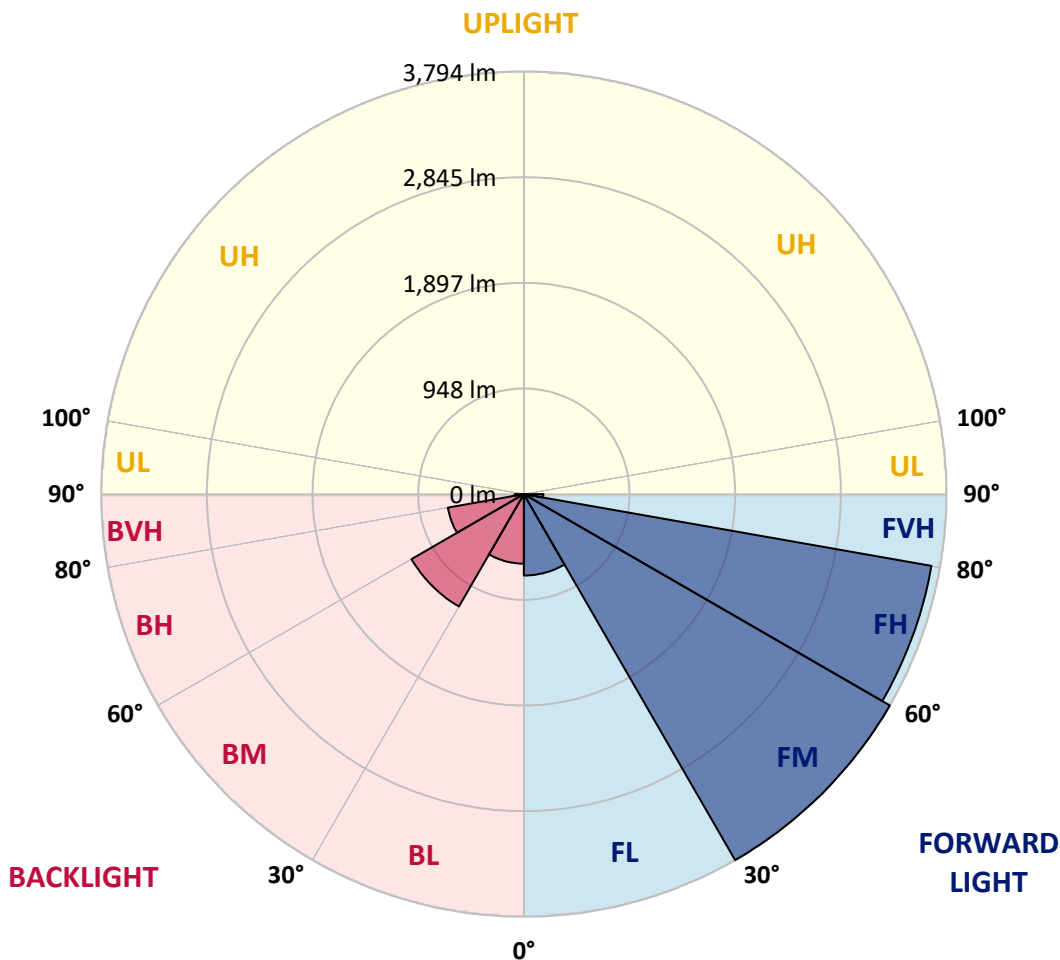
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.3	6.7			
FM (30°-60°)	3793.6	34.6			
FH (60°-80°)	3715.2	33.8			G2/5000
FVH (80°-90°)	174.8	1.6			G2/225
BL (0°-30°)	624.2	5.7	B2/1000		
BM (30°-60°)	1164.4	10.6	B2/2500		
BH (60°-80°)	693.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	81.9	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7
2.5°	1271.7	1275.7	1283.7	1279.7	1279.7	1267.7	1287.7	1291.7	1283.7	1287.7	1295.7
5°	1271.7	1279.7	1291.7	1283.7	1287.7	1283.7	1275.7	1287.7	1287.7	1291.7	1303.7
7.5°	1339.7	1335.7	1335.7	1323.7	1319.7	1315.7	1319.7	1319.7	1311.7	1315.7	1315.7
10°	1415.7	1415.7	1407.7	1407.7	1399.7	1379.7	1359.7	1355.7	1343.7	1347.7	1347.7
12.5°	1495.6	1503.6	1511.6	1487.6	1479.6	1447.7	1435.7	1411.7	1411.7	1403.7	1399.7
15°	1595.6	1583.6	1591.6	1583.6	1563.6	1531.6	1511.6	1515.6	1487.6	1479.6	1467.6
17.5°	1683.6	1687.6	1675.6	1667.6	1631.6	1607.6	1611.6	1607.6	1571.6	1559.6	1539.6
20°	1787.6	1783.6	1783.6	1759.6	1727.6	1695.6	1683.6	1679.6	1687.6	1663.6	1615.6
22.5°	1895.5	1879.5	1879.5	1859.6	1815.6	1795.6	1787.6	1771.6	1779.6	1759.6	1687.6
25°	1983.5	1983.5	2011.5	1971.5	1947.5	1907.5	1891.5	1895.5	1899.5	1859.6	1775.6
27.5°	2099.5	2079.5	2107.5	2087.5	2075.5	2031.5	2011.5	2023.5	2015.5	1971.5	1855.6
30°	2247.5	2251.5	2235.5	2207.5	2191.5	2159.5	2147.5	2135.5	2147.5	2091.5	1943.5
32.5°	2431.4	2443.4	2403.4	2371.4	2343.4	2311.4	2287.4	2275.5	2287.4	2203.5	2011.5
35°	2643.4	2655.4	2623.4	2587.4	2555.4	2475.4	2455.4	2435.4	2391.4	2255.5	2075.5
37.5°	2839.3	2823.3	2815.3	2815.3	2755.3	2639.4	2627.4	2615.4	2531.4	2359.4	2163.5
40°	2971.3	2991.3	2983.3	2975.3	2967.3	2859.3	2835.3	2815.3	2675.4	2515.4	2287.4
42.5°	3119.2	3107.3	3139.2	3151.2	3123.2	3091.3	2995.3	2927.3	2803.3	2675.4	2471.4
45°	3295.2	3287.2	3299.2	3343.2	3303.2	3315.2	3155.2	3107.3	2951.3	2875.3	2703.3
47.5°	3451.2	3471.2	3531.1	3543.1	3511.2	3567.1	3343.2	3267.2	3167.2	3107.3	2943.3
50°	3519.2	3543.1	3679.1	3763.1	3767.1	3855.1	3531.1	3499.2	3363.2	3387.2	3243.2
52.5°	3463.2	3539.1	3703.1	3923.1	4059.0	4147.0	3779.1	3763.1	3639.1	3715.1	3571.1
55°	3515.2	3587.1	3695.1	4003.0	4347.0	4366.9	4123.0	4063.0	3939.1	4043.0	3911.1
57.5°	3539.1	3499.2	3703.1	4091.0	4558.9	4610.9	4450.9	4406.9	4311.0	4410.9	4335.0
60°	3351.2	3399.2	3591.1	4067.0	4570.9	4870.8	4818.8	4754.9	4666.9	4758.9	4714.9
62.5°	3139.2	3171.2	3379.2	3923.1	4638.9	5058.8	5174.8	5126.8	5002.8	5082.8	5158.8
65°	2871.3	2875.3	3107.3	3667.1	4506.9	5166.8	5486.7	5482.7	5394.7	5374.7	5494.7
67.5°	2543.4	2575.4	2759.3	3395.2	4327.0	5286.7	5794.6	5854.6	5678.6	5522.7	5566.7
70°	1951.5	1983.5	2159.5	2783.3	3959.0	5250.7	6174.5	6206.5	5862.6	5466.7	5354.7
72.5°	1015.8	1023.8	1203.7	1679.6	2807.3	4662.9	6314.5	6398.5	5910.6	5302.7	4774.8
75°	335.9	335.9	411.9	639.8	1323.7	2983.3	5718.6	5870.6	5674.6	4894.8	3907.1
77.5°	200.0	204.0	243.9	319.9	527.9	1191.7	4031.0	4299.0	4642.9	4163.0	2855.3
80°	144.0	148.0	184.0	219.9	315.9	383.9	2023.5	2395.4	2851.3	2679.4	1523.6
82.5°	108.0	108.0	144.0	164.0	215.9	227.9	563.9	771.8	1231.7	959.8	419.9
85°	112.0	112.0	112.0	116.0	148.0	132.0	235.9	251.9	359.9	315.9	116.0
87.5°	40.0	44.0	112.0	76.0	76.0	56.0	92.0	100.0	128.0	132.0	44.0
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°	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7	1295.7
2.5°	1299.7	1299.7	1303.7	1303.7	1311.7	1319.7	1331.7	1323.7	1323.7	1327.7	1323.7
5°	1295.7	1299.7	1311.7	1331.7	1339.7	1343.7	1367.7	1367.7	1367.7	1375.7	1375.7
7.5°	1311.7	1319.7	1339.7	1359.7	1363.7	1375.7	1407.7	1415.7	1435.7	1443.7	1447.7
10°	1351.7	1363.7	1379.7	1403.7	1419.7	1435.7	1459.6	1487.6	1483.6	1507.6	1511.6
12.5°	1411.7	1407.7	1435.7	1459.6	1475.6	1499.6	1507.6	1507.6	1507.6	1507.6	1515.6
15°	1459.6	1467.6	1491.6	1507.6	1527.6	1523.6	1507.6	1491.6	1495.6	1491.6	1491.6
17.5°	1531.6	1531.6	1551.6	1555.6	1563.6	1523.6	1499.6	1499.6	1511.6	1511.6	1503.6
20°	1603.6	1599.6	1607.6	1603.6	1551.6	1503.6	1499.6	1503.6	1507.6	1503.6	1499.6
22.5°	1671.6	1663.6	1651.6	1635.6	1543.6	1499.6	1491.6	1471.6	1451.7	1451.7	1439.7
25°	1731.6	1723.6	1691.6	1643.6	1539.6	1475.6	1435.7	1387.7	1363.7	1351.7	1367.7
27.5°	1787.6	1771.6	1727.6	1643.6	1503.6	1411.7	1335.7	1275.7	1255.7	1239.7	1255.7
30°	1863.6	1835.6	1775.6	1631.6	1447.7	1311.7	1207.7	1135.7	1115.7	1091.7	1099.7
32.5°	1931.5	1867.5	1815.6	1595.6	1375.7	1199.7	1079.7	1007.8	971.8	951.8	967.8
35°	2003.5	1939.5	1831.6	1539.6	1263.7	1063.7	943.8	875.8	847.8	819.8	819.8
37.5°	2075.5	2039.5	1855.6	1435.7	1127.7	935.8	827.8	775.8	727.8	675.8	675.8
40°	2227.5	2179.5	1883.5	1315.7	991.8	811.8	735.8	667.8	619.9	547.9	543.9
42.5°	2387.4	2283.4	1883.5	1171.7	871.8	723.8	651.8	579.9	491.9	447.9	451.9
45°	2591.4	2471.4	1831.6	1043.7	751.8	651.8	571.9	479.9	439.9	411.9	411.9
47.5°	2847.3	2659.4	1767.6	903.8	655.8	587.9	487.9	431.9	403.9	379.9	375.9
50°	3151.2	2831.3	1687.6	783.8	575.9	527.9	443.9	399.9	375.9	359.9	359.9
52.5°	3471.2	3083.3	1631.6	675.8	511.9	447.9	411.9	383.9	363.9	351.9	347.9
55°	3795.1	3335.2	1591.6	559.9	451.9	411.9	403.9	379.9	371.9	359.9	351.9
57.5°	4159.0	3543.1	1583.6	479.9	403.9	395.9	411.9	391.9	379.9	367.9	355.9
60°	4550.9	3823.1	1511.6	415.9	379.9	387.9	399.9	379.9	371.9	359.9	351.9
62.5°	4938.8	4031.0	1315.7	367.9	355.9	363.9	379.9	363.9	351.9	355.9	359.9
65°	5098.8	4047.0	1019.8	331.9	327.9	331.9	355.9	351.9	339.9	363.9	363.9
67.5°	4938.8	3903.1	719.8	299.9	299.9	319.9	359.9	367.9	355.9	387.9	383.9
70°	4574.9	3547.1	487.9	279.9	287.9	339.9	371.9	363.9	347.9	387.9	379.9
72.5°	3883.1	2839.3	355.9	259.9	271.9	323.9	367.9	359.9	347.9	363.9	347.9
75°	2915.3	2019.5	279.9	235.9	239.9	291.9	379.9	359.9	327.9	319.9	307.9
77.5°	1947.5	1247.7	215.9	207.9	207.9	255.9	363.9	335.9	295.9	283.9	279.9
80°	927.8	499.9	172.0	176.0	180.0	219.9	331.9	299.9	267.9	251.9	251.9
82.5°	295.9	188.0	144.0	144.0	144.0	180.0	275.9	251.9	231.9	219.9	200.0
85°	104.0	104.0	124.0	128.0	116.0	132.0	227.9	215.9	192.0	160.0	156.0
87.5°	40.0	60.0	84.0	100.0	72.0	92.0	164.0	152.0	140.0	104.0	100.0
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)