

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: P675043

Luminaire Tested: **CCW-SA-2E-835-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675043
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-835-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

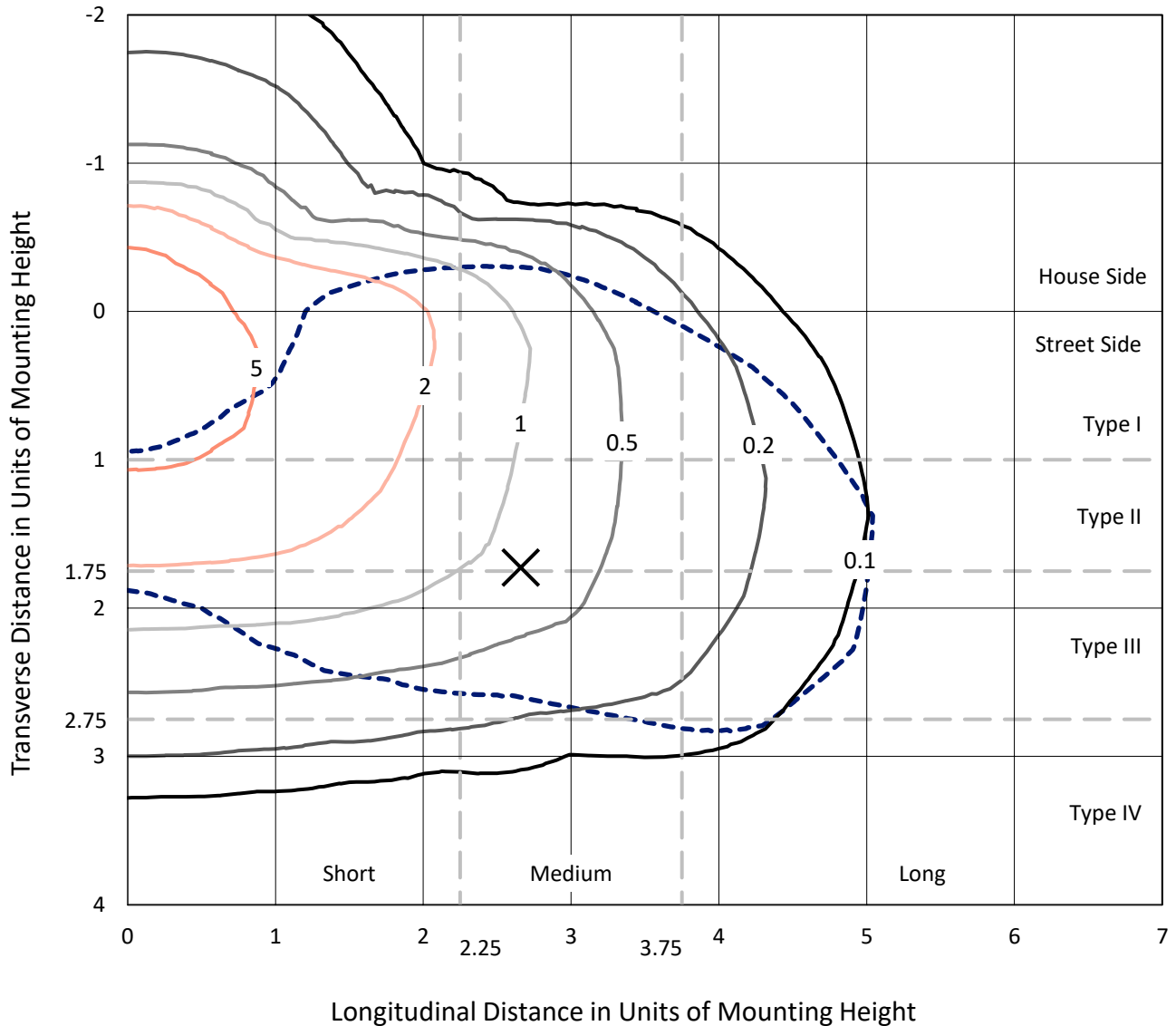
Lumens per Lamp: N/A
Luminaire Lumens: 11383.6 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

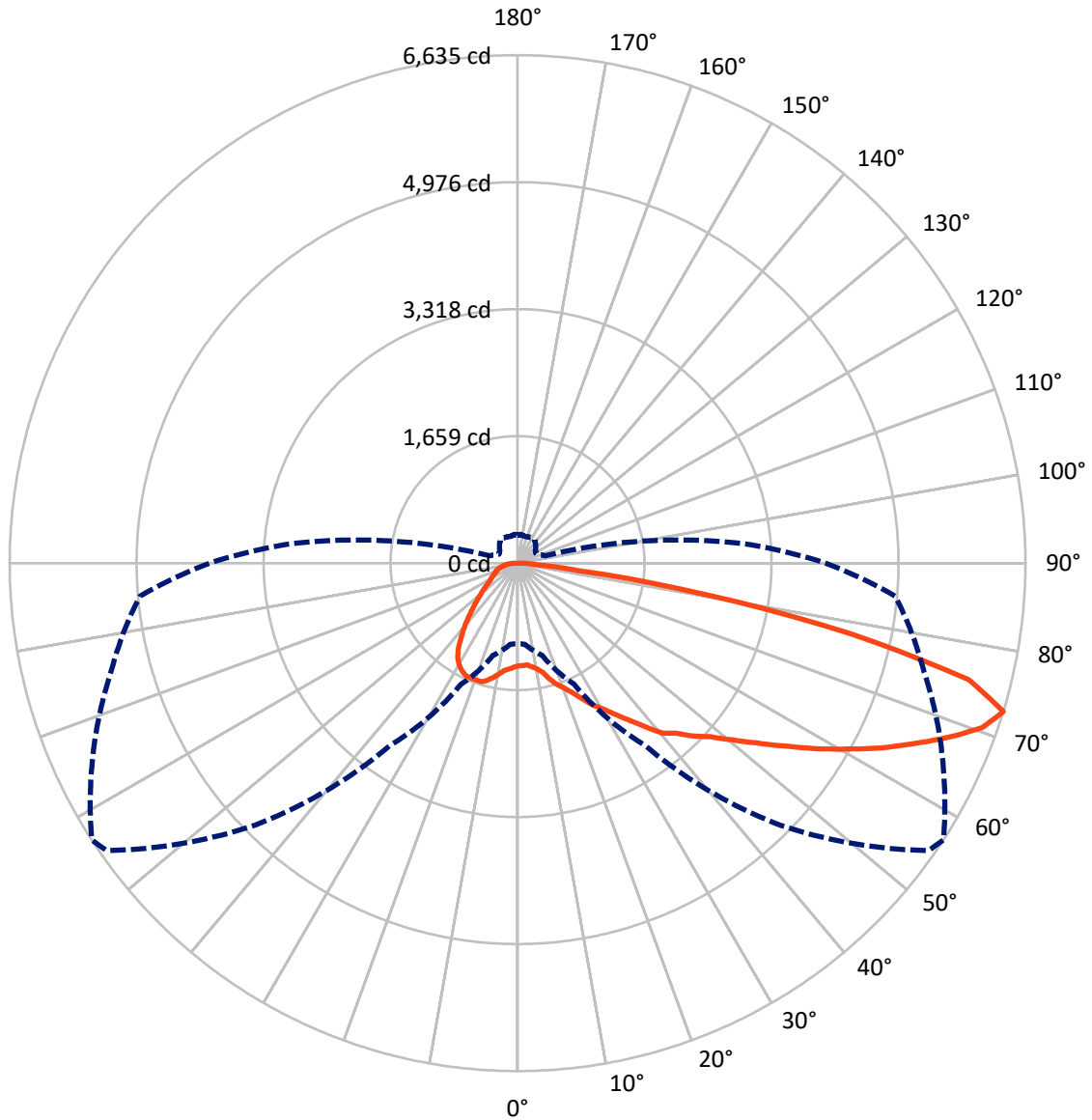
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 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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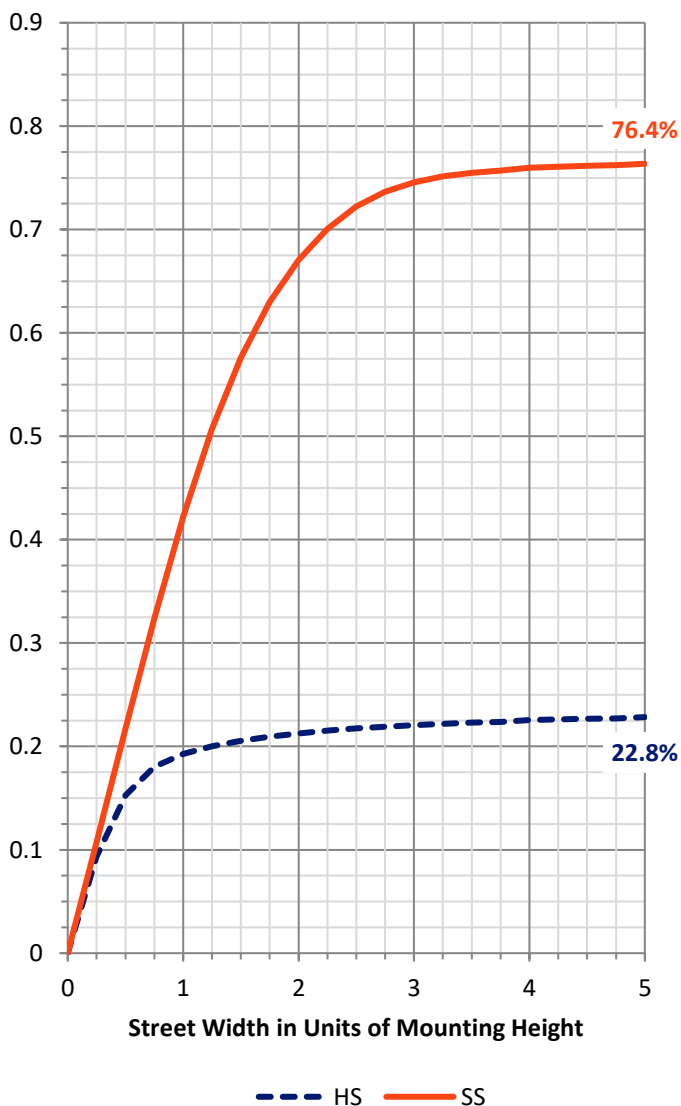
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2658.5	0.0	2658.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	8725.1	0.0	8725.1
	% Fixture	76.6	0.0	76.6
Total	Lumens	11383.6	0.0	11383.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.2
10°-20°	449.5	3.9
20°-30°	821.7	7.2
30°-40°	1205.5	10.6
40°-50°	1659.8	14.6
50°-60°	2276.1	20.0
60°-70°	2743.7	24.1
70°-80°	1827.7	16.1
80°-90°	266.2	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°	11383.6	100.0
0°-180°	11383.6	100.0



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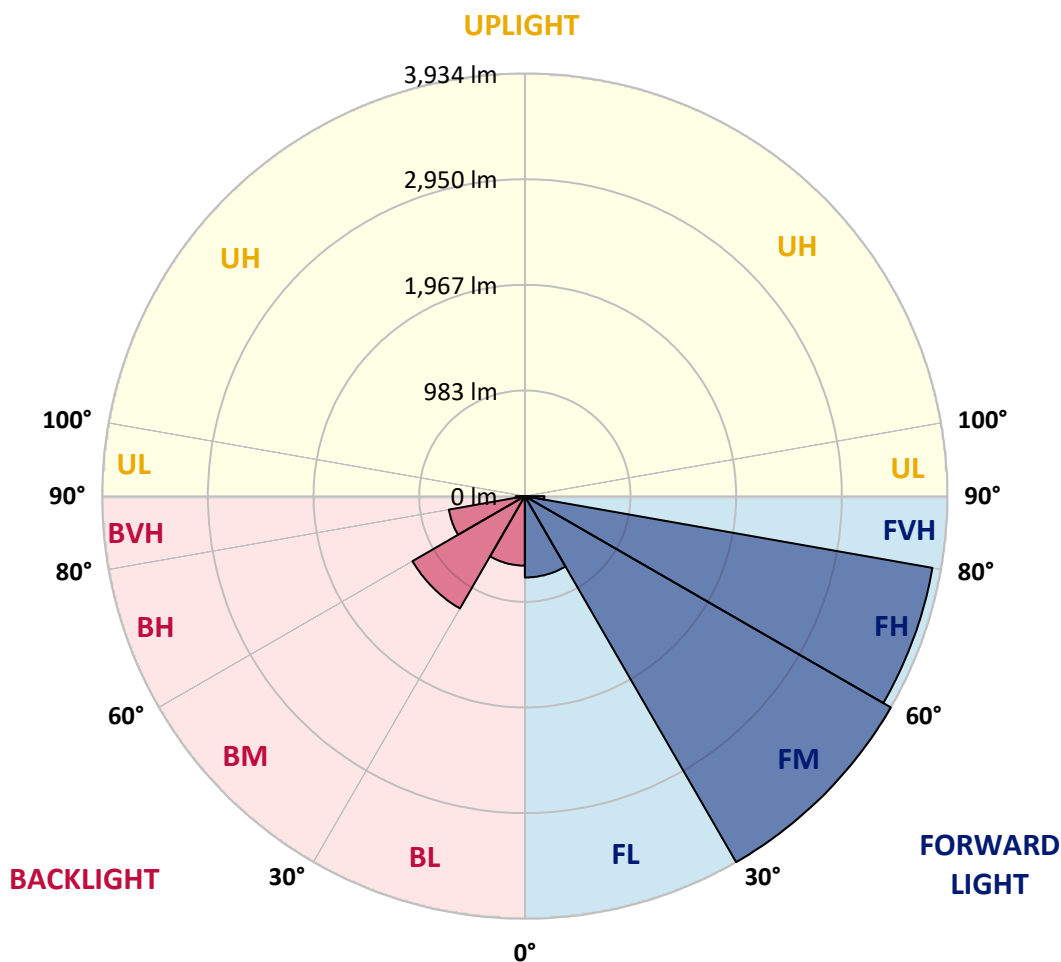
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.3	6.7			
FM (30°-60°)	3933.9	34.6			
FH (60°-80°)	3852.6	33.8			G2/5000
FVH (80°-90°)	181.3	1.6			G2/225
BL (0°-30°)	647.3	5.7	B2/1000		
BM (30°-60°)	1207.5	10.6	B2/2500		
BH (60°-80°)	718.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	84.9	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°	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6
2.5°	1318.7	1322.9	1331.2	1327.0	1327.0	1314.6	1335.3	1339.5	1331.2	1335.3	1343.6
5°	1318.7	1327.0	1339.5	1331.2	1335.3	1331.2	1322.9	1335.3	1335.3	1339.5	1351.9
7.5°	1389.2	1385.1	1385.1	1372.7	1368.5	1364.4	1368.5	1368.5	1360.2	1364.4	1364.4
10°	1468.0	1468.0	1459.7	1459.7	1451.4	1430.7	1410.0	1405.8	1393.4	1397.5	1397.5
12.5°	1551.0	1559.3	1567.6	1542.7	1534.4	1501.2	1488.8	1463.9	1463.9	1455.6	1451.4
15°	1654.7	1642.2	1650.5	1642.2	1621.5	1588.3	1567.6	1571.7	1542.7	1534.4	1521.9
17.5°	1745.9	1750.0	1737.6	1729.3	1692.0	1667.1	1671.2	1667.1	1629.8	1617.3	1596.6
20°	1853.7	1849.6	1849.6	1824.7	1791.5	1758.3	1745.9	1741.7	1750.0	1725.2	1675.4
22.5°	1965.7	1949.1	1949.1	1928.4	1882.7	1862.0	1853.7	1837.1	1845.4	1824.7	1750.0
25°	2056.9	2056.9	2085.9	2044.5	2019.6	1978.1	1961.5	1965.7	1969.8	1928.4	1841.3
27.5°	2177.2	2156.4	2185.5	2164.7	2152.3	2106.7	2085.9	2098.4	2090.1	2044.5	1924.2
30°	2330.6	2334.8	2318.2	2289.1	2272.6	2239.4	2226.9	2214.5	2226.9	2168.9	2015.4
32.5°	2521.4	2533.8	2492.3	2459.2	2430.1	2397.0	2372.1	2359.6	2372.1	2285.0	2085.9
35°	2741.2	2753.6	2720.4	2683.1	2649.9	2567.0	2546.3	2525.5	2479.9	2338.9	2152.3
37.5°	2944.4	2927.8	2919.5	2919.5	2857.3	2737.0	2724.6	2712.1	2625.1	2446.7	2243.5
40°	3081.2	3102.0	3093.7	3085.4	3077.1	2965.1	2940.2	2919.5	2774.3	2608.5	2372.1
42.5°	3234.7	3222.2	3255.4	3267.8	3238.8	3205.6	3106.1	3035.6	2907.0	2774.3	2562.8
45°	3417.1	3408.8	3421.3	3466.9	3425.4	3437.9	3272.0	3222.2	3060.5	2981.7	2803.4
47.5°	3578.9	3599.6	3661.8	3674.2	3641.1	3699.1	3466.9	3388.1	3284.4	3222.2	3052.2
50°	3649.4	3674.2	3815.2	3902.3	3906.5	3997.7	3661.8	3628.6	3487.6	3512.5	3363.2
52.5°	3591.3	3670.1	3840.1	4068.2	4209.2	4300.4	3918.9	3902.3	3773.8	3852.6	3703.3
55°	3645.2	3719.9	3831.8	4151.1	4507.8	4528.5	4275.6	4213.4	4084.8	4192.6	4055.8
57.5°	3670.1	3628.6	3840.1	4242.4	4727.6	4781.5	4615.6	4570.0	4470.5	4574.1	4495.3
60°	3475.2	3524.9	3724.0	4217.5	4740.0	5051.0	4997.1	4930.8	4839.5	4934.9	4889.3
62.5°	3255.4	3288.6	3504.2	4068.2	4810.5	5246.0	5366.2	5316.5	5187.9	5270.8	5349.6
65°	2977.5	2981.7	3222.2	3802.8	4673.7	5357.9	5689.7	5685.5	5594.3	5573.6	5698.0
67.5°	2637.5	2670.7	2861.4	3520.8	4487.1	5482.3	6009.0	6071.2	5888.7	5727.0	5772.6
70°	2023.7	2056.9	2239.4	2886.3	4105.5	5445.0	6403.0	6436.1	6079.5	5668.9	5552.8
72.5°	1053.3	1061.6	1248.2	1741.7	2911.2	4835.4	6548.1	6635.2	6129.3	5498.9	4951.5
75°	348.3	348.3	427.1	663.5	1372.7	3093.7	5930.2	6087.8	5884.6	5075.9	4051.6
77.5°	207.3	211.5	253.0	331.8	547.4	1235.8	4180.2	4458.0	4814.7	4317.0	2961.0
80°	149.3	153.4	190.8	228.1	327.6	398.1	2098.4	2484.1	2956.8	2778.5	1580.0
82.5°	112.0	112.0	149.3	170.0	223.9	236.4	584.7	800.4	1277.3	995.3	435.4
85°	116.1	116.1	116.1	120.3	153.4	136.9	244.7	261.3	373.2	327.6	120.3
87.5°	41.5	45.6	116.1	78.8	78.8	58.1	95.4	103.7	132.7	136.9	45.6
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°	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6	1343.6
2.5°	1347.8	1347.8	1351.9	1351.9	1360.2	1368.5	1381.0	1372.7	1372.7	1376.8	1372.7
5°	1343.6	1347.8	1360.2	1381.0	1389.2	1393.4	1418.3	1418.3	1418.3	1426.6	1426.6
7.5°	1360.2	1368.5	1389.2	1410.0	1414.1	1426.6	1459.7	1468.0	1488.8	1497.1	1501.2
10°	1401.7	1414.1	1430.7	1455.6	1472.2	1488.8	1513.7	1542.7	1538.5	1563.4	1567.6
12.5°	1463.9	1459.7	1488.8	1513.7	1530.2	1555.1	1563.4	1563.4	1563.4	1563.4	1571.7
15°	1513.7	1521.9	1546.8	1563.4	1584.2	1580.0	1563.4	1546.8	1551.0	1546.8	1546.8
17.5°	1588.3	1588.3	1609.0	1613.2	1621.5	1580.0	1555.1	1555.1	1567.6	1567.6	1559.3
20°	1662.9	1658.8	1667.1	1662.9	1609.0	1559.3	1555.1	1559.3	1563.4	1559.3	1555.1
22.5°	1733.4	1725.2	1712.7	1696.1	1600.7	1555.1	1546.8	1526.1	1505.4	1505.4	1492.9
25°	1795.7	1787.4	1754.2	1704.4	1596.6	1530.2	1488.8	1439.0	1414.1	1401.7	1418.3
27.5°	1853.7	1837.1	1791.5	1704.4	1559.3	1463.9	1385.1	1322.9	1302.2	1285.6	1302.2
30°	1932.5	1903.5	1841.3	1692.0	1501.2	1360.2	1252.4	1177.7	1157.0	1132.1	1140.4
32.5°	2003.0	1936.6	1882.7	1654.7	1426.6	1244.1	1119.7	1045.0	1007.7	987.0	1003.6
35°	2077.6	2011.3	1899.3	1596.6	1310.5	1103.1	978.7	908.2	879.2	850.1	850.1
37.5°	2152.3	2115.0	1924.2	1488.8	1169.5	970.4	858.4	804.5	754.8	700.8	700.8
40°	2309.9	2260.1	1953.2	1364.4	1028.5	841.8	763.0	692.5	642.8	568.1	564.0
42.5°	2475.8	2367.9	1953.2	1215.1	904.0	750.6	676.0	601.3	510.1	464.5	468.6
45°	2687.3	2562.8	1899.3	1082.4	779.6	676.0	593.0	497.6	456.2	427.1	427.1
47.5°	2952.7	2757.8	1833.0	937.2	680.1	609.6	505.9	447.9	418.8	394.0	389.8
50°	3267.8	2936.1	1750.0	812.8	597.2	547.4	460.3	414.7	389.8	373.2	373.2
52.5°	3599.6	3197.3	1692.0	700.8	530.8	464.5	427.1	398.1	377.4	364.9	360.8
55°	3935.5	3458.6	1650.5	580.6	468.6	427.1	418.8	394.0	385.7	373.2	364.9
57.5°	4312.9	3674.2	1642.2	497.6	418.8	410.6	427.1	406.4	394.0	381.5	369.1
60°	4719.3	3964.5	1567.6	431.3	394.0	402.3	414.7	394.0	385.7	373.2	364.9
62.5°	5121.5	4180.2	1364.4	381.5	369.1	377.4	394.0	377.4	364.9	369.1	373.2
65°	5287.4	4196.8	1057.5	344.2	340.1	344.2	369.1	364.9	352.5	377.4	377.4
67.5°	5121.5	4047.5	746.5	311.0	311.0	331.8	373.2	381.5	369.1	402.3	398.1
70°	4744.2	3678.4	505.9	290.3	298.6	352.5	385.7	377.4	360.8	402.3	394.0
72.5°	4026.7	2944.4	369.1	269.6	282.0	335.9	381.5	373.2	360.8	377.4	360.8
75°	3023.2	2094.2	290.3	244.7	248.8	302.7	394.0	373.2	340.1	331.8	319.3
77.5°	2019.6	1293.9	223.9	215.6	215.6	265.4	377.4	348.3	306.9	294.4	290.3
80°	962.1	518.4	178.3	182.5	186.6	228.1	344.2	311.0	277.8	261.3	261.3
82.5°	306.9	194.9	149.3	149.3	149.3	186.6	286.1	261.3	240.5	228.1	207.3
85°	107.8	107.8	128.6	132.7	120.3	136.9	236.4	223.9	199.1	165.9	161.7
87.5°	41.5	62.2	87.1	103.7	74.6	95.4	170.0	157.6	145.1	107.8	103.7
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)