

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: P674832

Luminaire Tested: **CCW-SA-2D-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674832
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10972.5 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

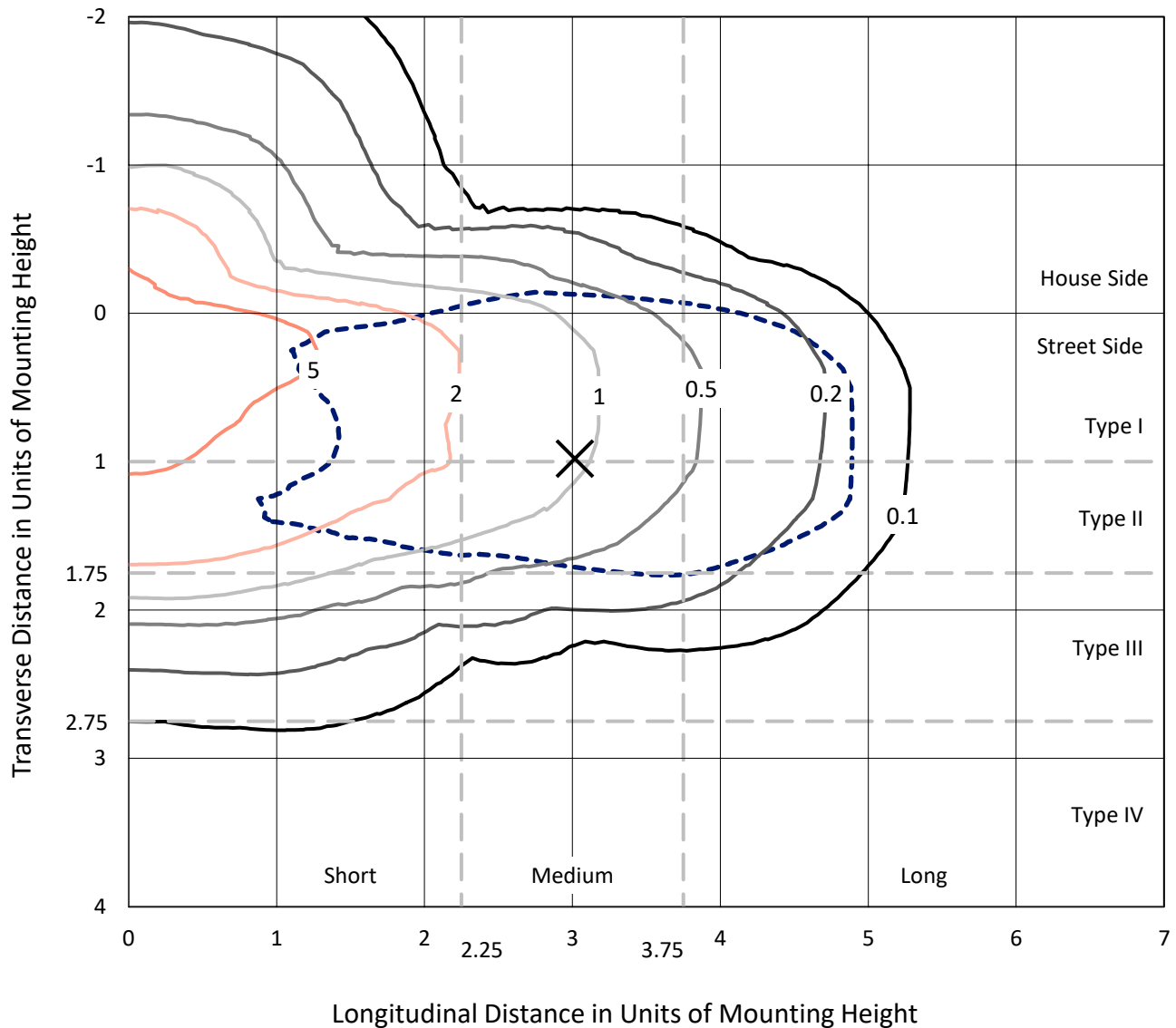
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

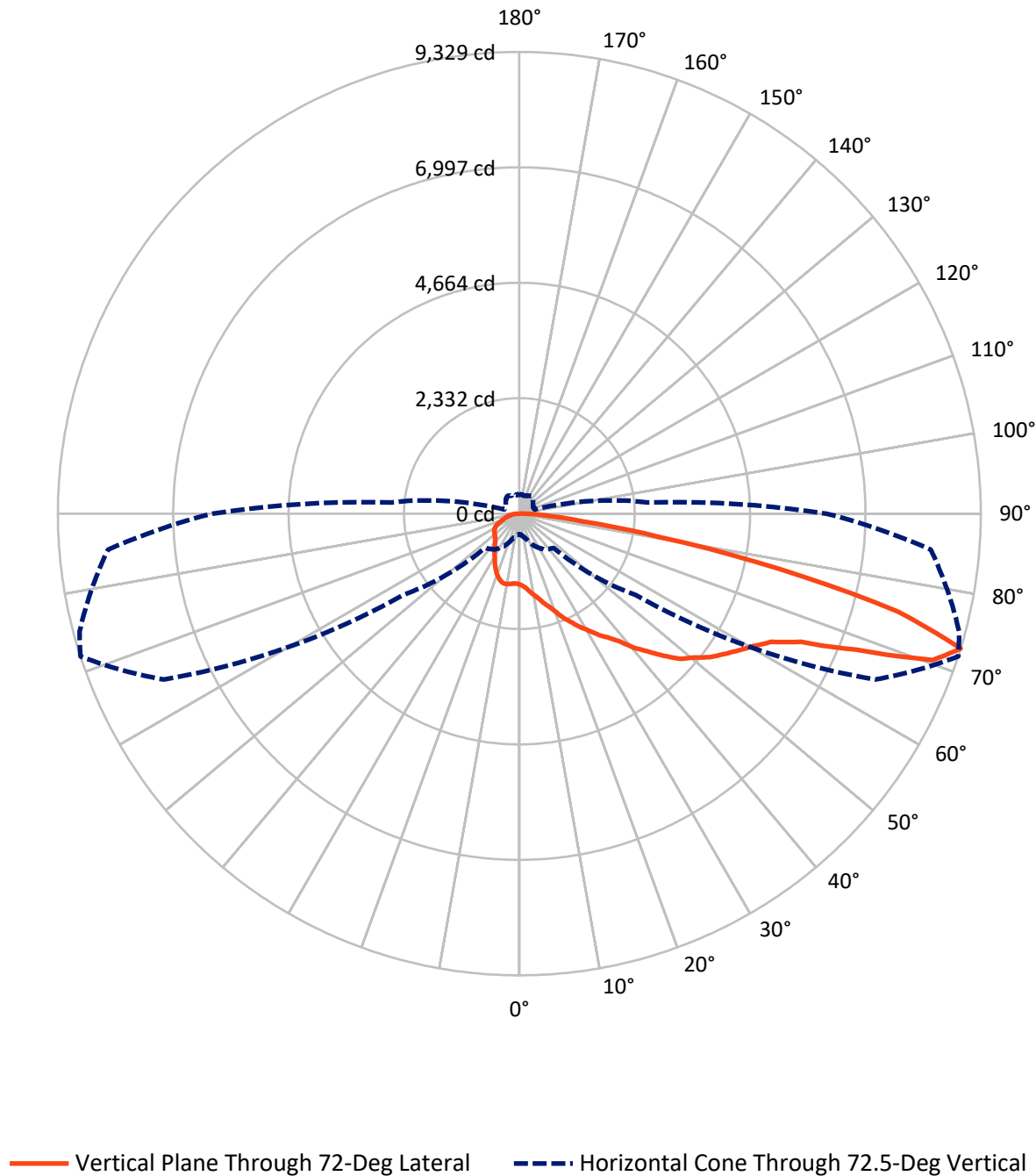
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2309.2	0.0	2309.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	8663.3	0.0	8663.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	10972.5	0.0	10972.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	1.3
10°-20°	440.3	4.0
20°-30°	761.9	6.9
30°-40°	1125.5	10.3
40°-50°	1673.6	15.3
50°-60°	2294.5	20.9
60°-70°	2488.8	22.7
70°-80°	1754.6	16.0
80°-90°	291.5	2.7
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°	10972.5	100.0
0°-180°	10972.5	100.0

Coefficient of Utilization



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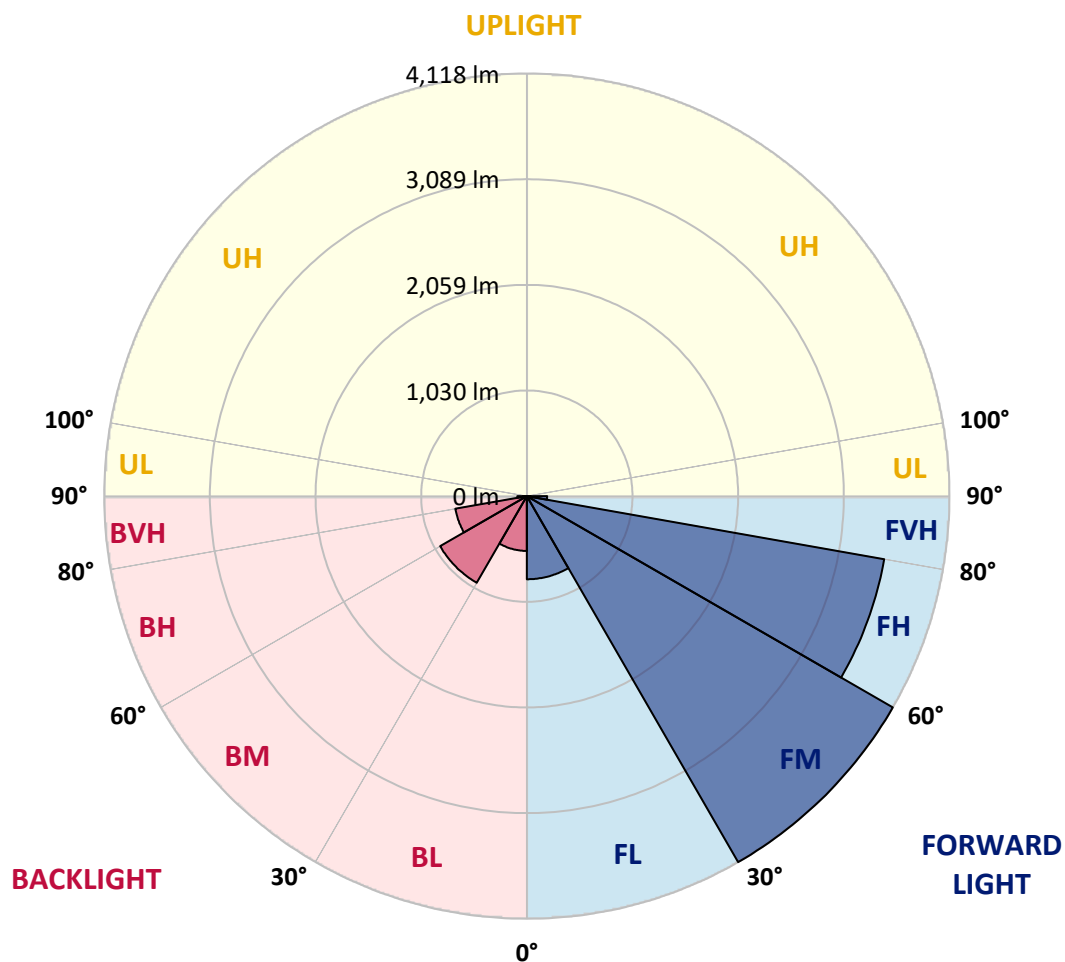
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	810.2	7.4			
FM	(30°-60°)	4118.2	37.5			
FH	(60°-80°)	3536.1	32.2			G2/5000
FVH	(80°-90°)	198.8	1.8			G2/225
BL	(0°-30°)	533.7	4.9	B2/1000		
BM	(30°-60°)	975.3	8.9	B1/1000		
BH	(60°-80°)	707.4	6.4	B2/1000		G2/1000
BVH	(80°-90°)	92.8	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1546.7	1546.7	1534.5	1530.5	1530.5	1498.1	1502.2	1481.9	1465.7	1465.7	1449.5
5°	1627.7	1619.6	1619.6	1619.6	1599.3	1587.2	1583.1	1546.7	1518.3	1522.4	1473.8
7.5°	1647.9	1652.0	1656.0	1676.3	1664.1	1672.2	1664.1	1623.6	1603.4	1583.1	1538.6
10°	1660.1	1668.2	1668.2	1696.5	1696.5	1716.7	1728.9	1712.7	1676.3	1656.0	1583.1
12.5°	1688.4	1676.3	1692.5	1712.7	1732.9	1769.4	1805.8	1789.6	1765.3	1741.0	1660.1
15°	1688.4	1692.5	1704.6	1737.0	1769.4	1805.8	1870.6	1894.9	1882.8	1838.2	1753.2
17.5°	1639.8	1627.7	1684.4	1745.1	1805.8	1850.4	1935.4	1992.1	1984.0	1967.8	1838.2
20°	1643.9	1656.0	1676.3	1728.9	1826.1	1907.0	2012.3	2105.4	2125.7	2117.6	1951.6
22.5°	1716.7	1720.8	1741.0	1765.3	1842.3	1947.5	2105.4	2255.3	2291.7	2271.4	2077.1
25°	1789.6	1822.0	1822.0	1838.2	1866.6	1975.9	2166.2	2376.7	2429.4	2433.4	2206.7
27.5°	1907.0	1915.1	1939.4	1947.5	1971.8	2036.6	2235.0	2465.8	2587.3	2571.1	2324.1
30°	2044.7	2048.8	2065.0	2056.9	2060.9	2141.9	2299.8	2567.0	2733.0	2737.1	2449.6
32.5°	2206.7	2239.1	2247.2	2194.5	2202.6	2222.9	2401.0	2688.5	2915.2	2886.9	2558.9
35°	2445.6	2457.7	2433.4	2409.1	2348.4	2336.2	2506.3	2810.0	3073.1	3105.5	2720.9
37.5°	2741.1	2773.5	2741.1	2611.6	2546.8	2498.2	2635.9	2943.6	3263.4	3372.8	2882.8
40°	3016.4	3012.4	2980.0	2862.6	2749.2	2712.8	2822.1	3129.8	3559.0	3664.3	3117.7
42.5°	3239.1	3227.0	3206.7	3117.7	3012.4	2951.7	3036.7	3324.2	3806.0	4008.4	3389.0
45°	3433.5	3417.3	3421.3	3320.1	3218.9	3251.3	3251.3	3546.9	4097.5	4348.5	3700.7
47.5°	3615.7	3623.8	3611.6	3534.7	3457.8	3542.8	3498.3	3801.9	4385.0	4664.4	3963.9
50°	3826.2	3842.4	3801.9	3753.4	3684.5	3769.5	3712.9	4040.8	4571.2	4951.8	4279.7
52.5°	4024.6	4040.8	4077.3	4016.5	3947.7	4016.5	3887.0	4263.5	4818.2	5231.2	4522.6
55°	4073.2	4065.1	4267.6	4332.4	4368.8	4162.3	4040.8	4453.8	5012.6	5409.4	4798.0
57.5°	3850.5	3870.8	4146.1	4332.4	4721.0	4542.9	4214.9	4676.5	5215.0	5644.2	5053.1
60°	3295.8	3308.0	3652.1	4093.5	4660.3	4899.2	4684.6	4964.0	5437.7	5842.6	5340.5
62.5°	2202.6	2295.7	2724.9	3417.3	4231.1	4996.4	5433.7	5449.9	5709.0	6093.6	5733.3
65°	1162.0	1206.6	1542.6	2101.4	3206.7	4660.3	6138.2	6413.5	6251.5	6555.2	6300.1
67.5°	761.2	777.4	959.6	1275.4	1850.4	3401.1	6219.1	8085.7	7340.7	7433.8	7207.1
70°	566.8	574.9	708.6	943.4	1145.8	1818.0	5097.6	8867.1	8863.1	8616.1	8284.1
72.5°	417.0	429.2	522.3	720.7	882.7	979.8	2866.6	7931.8	9328.7	9203.2	8348.9
75°	328.0	336.1	384.6	558.8	712.6	643.8	1453.6	5875.0	7911.6	8514.9	7640.3
77.5°	267.2	275.3	303.7	404.9	570.9	498.0	696.4	3789.8	5364.8	6130.1	5846.6
80°	222.7	222.7	242.9	287.5	441.3	376.6	413.0	2129.7	2890.9	3190.6	2652.0
82.5°	190.3	186.3	202.4	210.5	328.0	271.3	267.2	963.6	1271.4	1348.3	996.0
85°	121.5	125.5	190.3	182.2	214.6	186.3	149.8	457.5	599.2	611.4	372.5
87.5°	48.6	48.6	81.0	101.2	121.5	113.4	72.9	206.5	263.2	263.2	105.3
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°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1445.5	1429.3	1417.1	1409.0	1388.8	1368.5	1372.6	1368.5	1352.3	1344.2	1344.2
5°	1461.7	1445.5	1425.2	1392.8	1372.6	1348.3	1356.4	1340.2	1324.0	1336.1	1315.9
7.5°	1502.2	1473.8	1445.5	1396.9	1364.5	1328.0	1311.9	1303.8	1291.6	1283.5	1283.5
10°	1558.8	1518.3	1465.7	1392.8	1340.2	1283.5	1275.4	1259.2	1247.1	1247.1	1243.0
12.5°	1615.5	1571.0	1481.9	1364.5	1275.4	1234.9	1230.9	1234.9	1243.0	1247.1	1251.1
15°	1688.4	1615.5	1477.9	1311.9	1222.8	1206.6	1226.8	1243.0	1259.2	1275.4	1271.4
17.5°	1757.2	1672.2	1441.4	1247.1	1178.2	1182.3	1218.7	1251.1	1283.5	1299.7	1303.8
20°	1850.4	1724.8	1388.8	1170.1	1133.7	1170.1	1218.7	1259.2	1295.7	1315.9	1319.9
22.5°	1955.6	1785.6	1319.9	1101.3	1097.3	1133.7	1182.3	1243.0	1283.5	1319.9	1315.9
25°	2048.8	1826.1	1230.9	1044.6	1052.7	1077.0	1133.7	1198.5	1239.0	1279.5	1267.3
27.5°	2109.5	1834.2	1137.7	1004.1	1004.1	1028.4	1081.1	1121.6	1158.0	1190.4	1194.4
30°	2178.3	1818.0	1032.5	951.5	951.5	983.9	1004.1	1028.4	1048.7	1056.8	1064.9
32.5°	2259.3	1781.5	967.7	911.0	911.0	935.3	947.4	939.4	935.3	915.1	927.2
35°	2336.2	1728.9	894.8	858.4	874.6	886.7	882.7	858.4	834.1	797.6	785.5
37.5°	2429.4	1676.3	830.0	801.7	830.0	834.1	834.1	805.7	773.3	728.8	728.8
40°	2571.1	1635.8	777.4	765.2	793.6	789.5	769.3	749.1	761.2	736.9	736.9
42.5°	2720.9	1619.6	728.8	732.9	745.0	749.1	728.8	704.5	753.1	724.8	728.8
45°	2907.1	1631.7	696.4	692.4	720.7	716.7	704.5	684.3	700.5	627.6	607.3
47.5°	3081.2	1656.0	680.2	664.0	696.4	704.5	688.3	643.8	619.5	574.9	566.8
50°	3239.1	1708.6	664.0	631.6	664.0	680.2	651.9	603.3	574.9	546.6	546.6
52.5°	3389.0	1785.6	655.9	595.2	623.5	643.8	627.6	579.0	546.6	534.5	522.3
55°	3542.8	1854.4	643.8	570.9	579.0	619.5	615.4	550.7	518.3	518.3	514.2
57.5°	3761.5	1947.5	627.6	530.4	546.6	591.1	591.1	538.5	502.1	506.1	510.2
60°	3984.1	2056.9	611.4	489.9	502.1	562.8	570.9	522.3	489.9	494.0	489.9
62.5°	4340.4	2259.3	579.0	441.3	465.6	526.4	546.6	502.1	473.7	481.8	481.8
65°	4879.0	2607.5	510.2	400.8	429.2	494.0	522.3	481.8	449.4	473.7	465.6
67.5°	5745.4	3085.3	429.2	368.5	404.9	461.6	494.0	457.5	429.2	465.6	453.5
70°	6522.8	3320.1	368.5	340.1	368.5	425.1	461.6	433.2	404.9	441.3	425.1
72.5°	6207.0	2603.5	319.9	307.7	336.1	384.6	429.2	400.8	372.5	392.7	376.6
75°	5356.7	2073.0	279.4	275.3	299.6	348.2	392.7	372.5	344.2	352.3	344.2
77.5°	4061.1	1712.7	238.9	234.8	255.1	311.8	352.3	336.1	307.7	303.7	303.7
80°	1813.9	842.2	198.4	198.4	210.5	267.2	299.6	291.5	263.2	259.1	255.1
82.5°	595.2	319.9	162.0	153.9	170.1	222.7	267.2	259.1	230.8	222.7	214.6
85°	238.9	153.9	117.4	117.4	133.6	186.3	238.9	222.7	186.3	166.0	166.0
87.5°	81.0	64.8	60.7	60.7	85.0	125.5	178.2	149.8	133.6	117.4	121.5
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)