

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: P674976

Luminaire Tested: **CCW-SA-2D-735-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674976
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-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

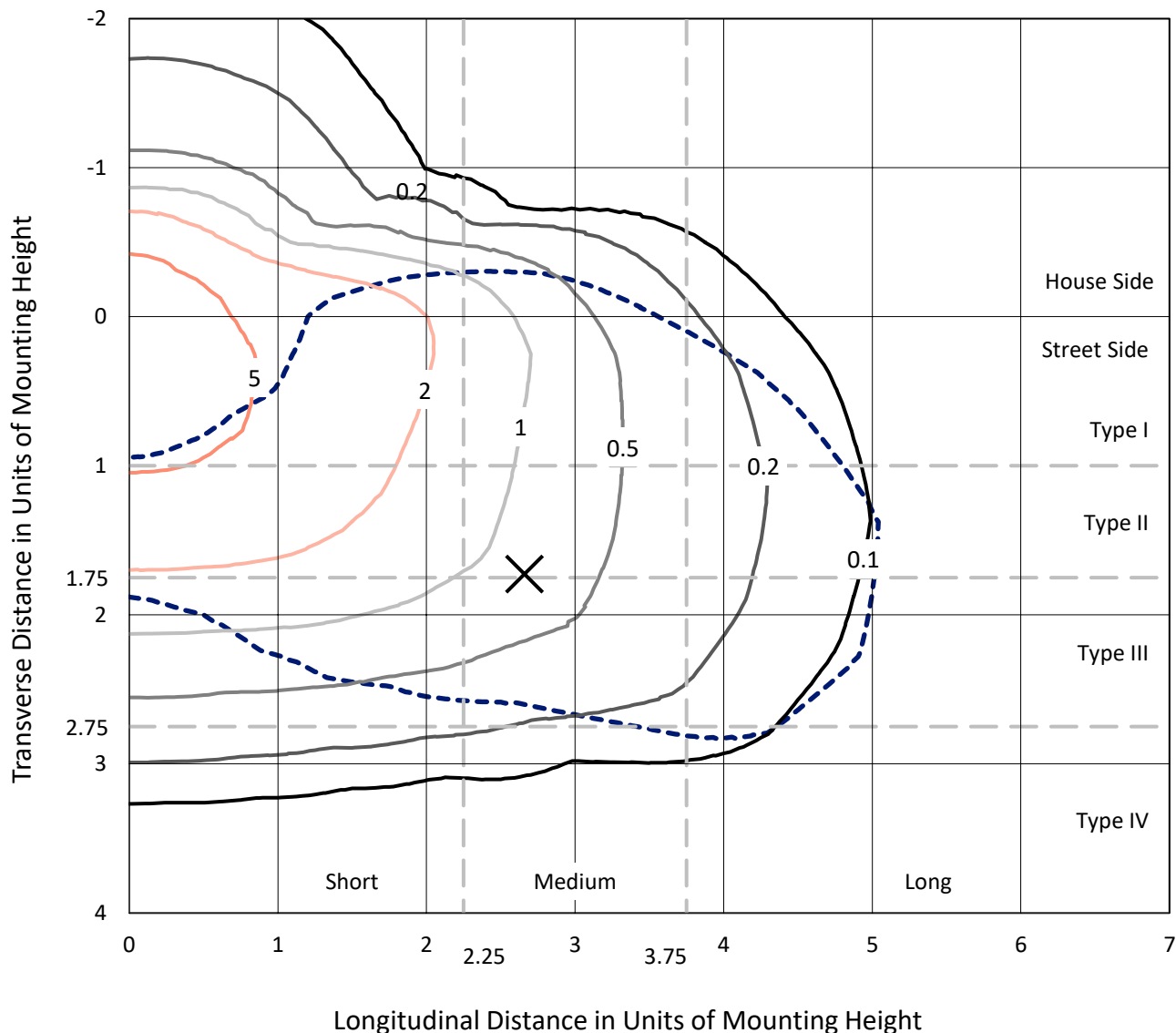
Lumens per Lamp: N/A
Luminaire Lumens: 11114.2 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

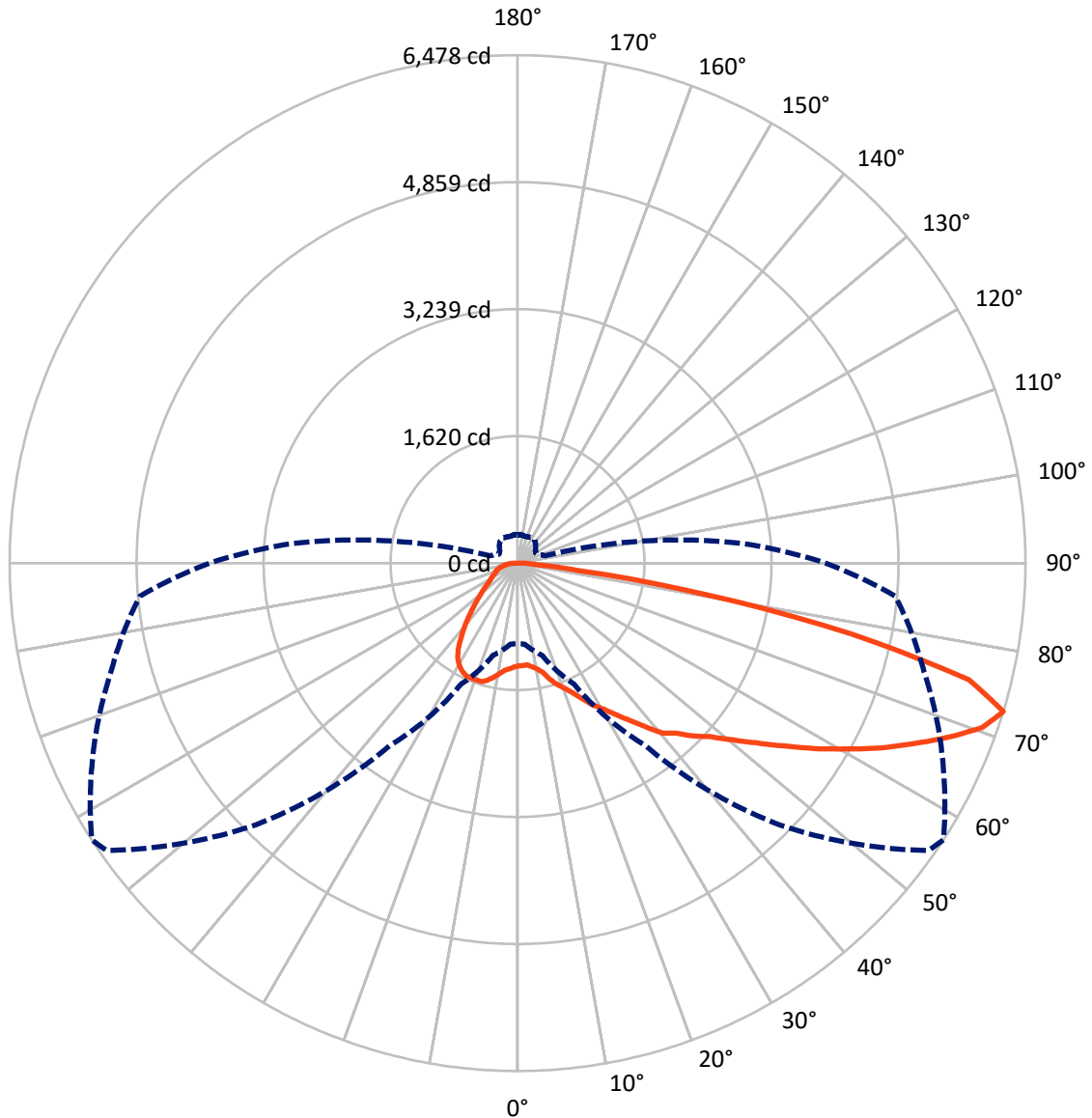
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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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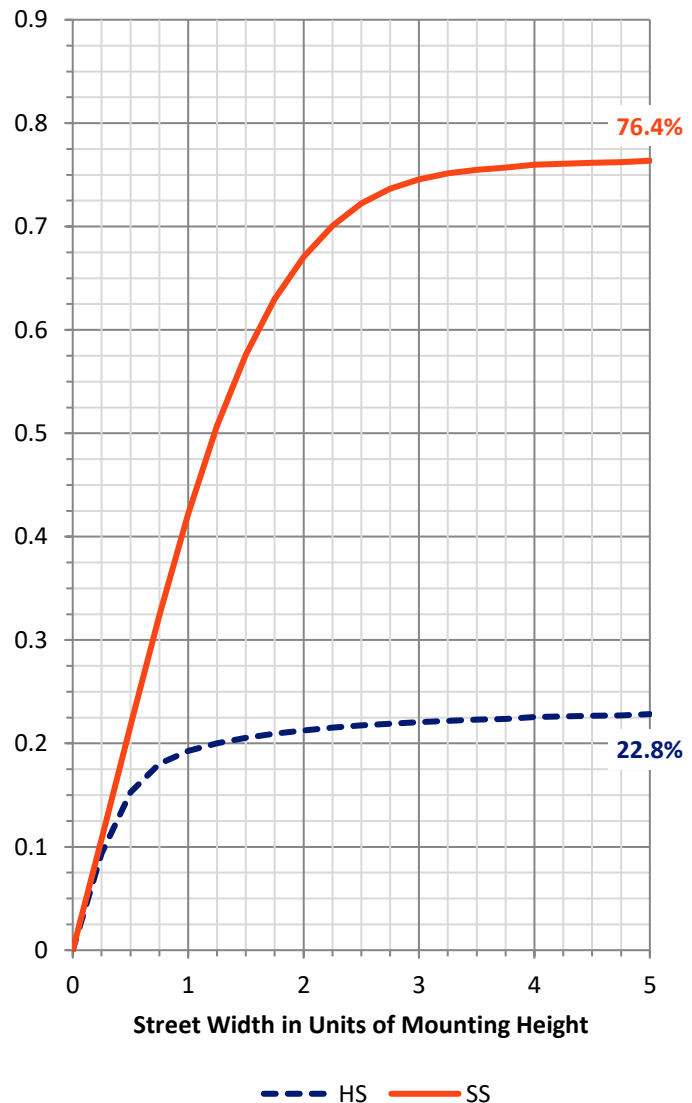
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2595.5	0.0	2595.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	8518.7	0.0	8518.7
	% Fixture	76.6	0.0	76.6
Total	Lumens	11114.2	0.0	11114.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	1.2
10°-20°	438.8	3.9
20°-30°	802.2	7.2
30°-40°	1177.0	10.6
40°-50°	1620.5	14.6
50°-60°	2222.2	20.0
60°-70°	2678.8	24.1
70°-80°	1784.4	16.1
80°-90°	259.9	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°	11114.2	100.0
0°-180°	11114.2	100.0



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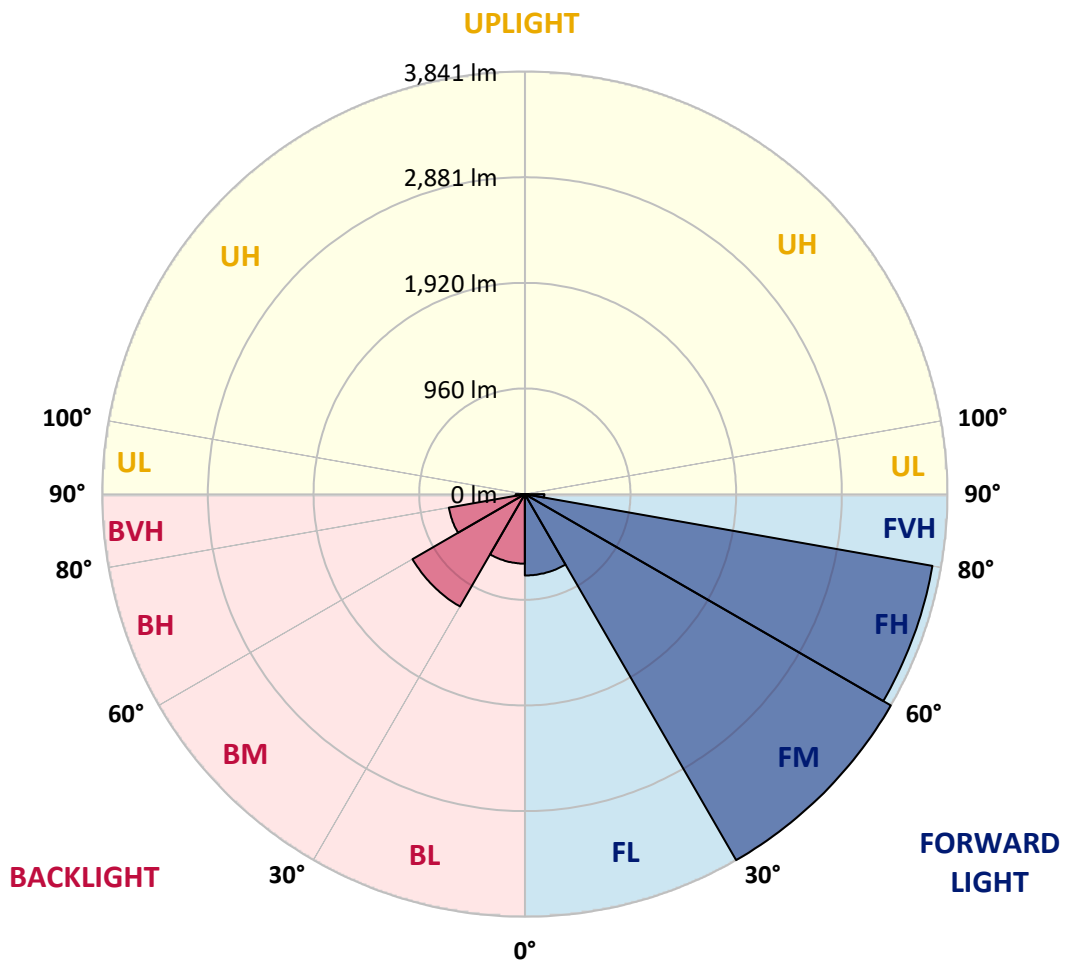
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.4	6.7			
FM (30°-60°)	3840.8	34.6			
FH (60°-80°)	3761.5	33.8			G2/5000
FVH (80°-90°)	177.0	1.6			G2/225
BL (0°-30°)	631.9	5.7	B2/1000		
BM (30°-60°)	1178.9	10.6	B2/2500		
BH (60°-80°)	701.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	82.9	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°	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8
2.5°	1287.5	1291.6	1299.7	1295.6	1295.6	1283.5	1303.7	1307.8	1299.7	1303.7	1311.8
5°	1287.5	1295.6	1307.8	1299.7	1303.7	1299.7	1291.6	1303.7	1303.7	1307.8	1319.9
7.5°	1356.4	1352.3	1352.3	1340.2	1336.1	1332.1	1336.1	1336.1	1328.0	1332.1	1332.1
10°	1433.3	1433.3	1425.2	1425.2	1417.1	1396.9	1376.6	1372.6	1360.4	1364.5	1364.5
12.5°	1514.3	1522.4	1530.5	1506.2	1498.1	1465.7	1453.5	1429.2	1429.2	1421.2	1417.1
15°	1615.5	1603.4	1611.4	1603.4	1583.1	1550.7	1530.5	1534.5	1506.2	1498.1	1485.9
17.5°	1704.6	1708.6	1696.5	1688.4	1651.9	1627.6	1631.7	1627.6	1591.2	1579.1	1558.8
20°	1809.8	1805.8	1805.8	1781.5	1749.1	1716.7	1704.6	1700.5	1708.6	1684.3	1635.7
22.5°	1919.2	1903.0	1903.0	1882.7	1838.2	1817.9	1809.8	1793.6	1801.7	1781.5	1708.6
25°	2008.2	2008.2	2036.6	1996.1	1971.8	1931.3	1915.1	1919.2	1923.2	1882.7	1797.7
27.5°	2125.7	2105.4	2133.8	2113.5	2101.4	2056.8	2036.6	2048.7	2040.6	1996.1	1878.7
30°	2275.5	2279.5	2263.3	2235.0	2218.8	2186.4	2174.2	2162.1	2174.2	2117.6	1967.7
32.5°	2461.7	2473.9	2433.4	2401.0	2372.6	2340.2	2316.0	2303.8	2316.0	2230.9	2036.6
35°	2676.3	2688.4	2656.1	2619.6	2587.2	2506.2	2486.0	2465.8	2421.2	2283.6	2101.4
37.5°	2874.7	2858.5	2850.4	2850.4	2789.7	2672.3	2660.1	2648.0	2562.9	2388.8	2190.4
40°	3008.3	3028.6	3020.5	3012.4	3004.3	2894.9	2870.6	2850.4	2708.7	2546.7	2316.0
42.5°	3158.1	3146.0	3178.4	3190.5	3162.2	3129.8	3032.6	2963.8	2838.3	2708.7	2502.2
45°	3336.3	3328.2	3340.3	3384.9	3344.4	3356.5	3194.6	3146.0	2988.1	2911.1	2737.0
47.5°	3494.2	3514.4	3575.1	3587.3	3554.9	3611.6	3384.9	3307.9	3206.7	3146.0	2980.0
50°	3563.0	3587.3	3725.0	3810.0	3814.0	3903.1	3575.1	3542.8	3405.1	3429.4	3283.6
52.5°	3506.3	3583.2	3749.2	3971.9	4109.6	4198.7	3826.2	3810.0	3684.5	3761.4	3615.6
55°	3559.0	3631.8	3741.2	4052.9	4401.1	4421.4	4174.4	4113.6	3988.1	4093.4	3959.8
57.5°	3583.2	3542.8	3749.2	4142.0	4615.7	4668.3	4506.4	4461.8	4364.7	4465.9	4389.0
60°	3392.9	3441.5	3635.9	4117.7	4627.9	4931.5	4878.9	4814.1	4725.0	4818.1	4773.6
62.5°	3178.4	3210.7	3421.3	3971.9	4696.7	5121.8	5239.2	5190.6	5065.1	5146.1	5223.0
65°	2907.1	2911.1	3146.0	3712.8	4563.1	5231.1	5555.0	5551.0	5461.9	5441.7	5563.1
67.5°	2575.1	2607.5	2793.7	3437.5	4380.9	5352.6	5866.8	5927.5	5749.4	5591.5	5636.0
70°	1975.8	2008.2	2186.4	2818.0	4008.4	5316.2	6251.4	6283.8	5935.6	5534.8	5421.4
72.5°	1028.4	1036.5	1218.7	1700.5	2842.3	4721.0	6393.2	6478.2	5984.2	5368.8	4834.3
75°	340.1	340.1	417.0	647.8	1340.2	3020.5	5789.9	5943.7	5745.3	4955.8	3955.7
77.5°	202.4	206.5	247.0	323.9	534.5	1206.6	4081.3	4352.5	4700.7	4214.9	2890.9
80°	145.8	149.8	186.2	222.7	319.9	388.7	2048.7	2425.3	2886.8	2712.7	1542.6
82.5°	109.3	109.3	145.8	166.0	218.6	230.8	570.9	781.4	1247.1	971.7	425.1
85°	113.4	113.4	113.4	117.4	149.8	133.6	238.9	255.1	364.4	319.9	117.4
87.5°	40.5	44.5	113.4	76.9	76.9	56.7	93.1	101.2	129.6	133.6	44.5
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°	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8	1311.8
2.5°	1315.9	1315.9	1319.9	1319.9	1328.0	1336.1	1348.3	1340.2	1340.2	1344.2	1340.2
5°	1311.8	1315.9	1328.0	1348.3	1356.4	1360.4	1384.7	1384.7	1384.7	1392.8	1392.8
7.5°	1328.0	1336.1	1356.4	1376.6	1380.7	1392.8	1425.2	1433.3	1453.5	1461.6	1465.7
10°	1368.5	1380.7	1396.9	1421.2	1437.3	1453.5	1477.8	1506.2	1502.1	1526.4	1530.5
12.5°	1429.2	1425.2	1453.5	1477.8	1494.0	1518.3	1526.4	1526.4	1526.4	1526.4	1534.5
15°	1477.8	1485.9	1510.2	1526.4	1546.7	1542.6	1526.4	1510.2	1514.3	1510.2	1510.2
17.5°	1550.7	1550.7	1571.0	1575.0	1583.1	1542.6	1518.3	1518.3	1530.5	1530.5	1522.4
20°	1623.6	1619.5	1627.6	1623.6	1571.0	1522.4	1518.3	1522.4	1526.4	1522.4	1518.3
22.5°	1692.4	1684.3	1672.2	1656.0	1562.9	1518.3	1510.2	1490.0	1469.7	1469.7	1457.6
25°	1753.2	1745.1	1712.7	1664.1	1558.8	1494.0	1453.5	1405.0	1380.7	1368.5	1384.7
27.5°	1809.8	1793.6	1749.1	1664.1	1522.4	1429.2	1352.3	1291.6	1271.3	1255.1	1271.3
30°	1886.8	1858.4	1797.7	1651.9	1465.7	1328.0	1222.8	1149.9	1129.6	1105.3	1113.4
32.5°	1955.6	1890.8	1838.2	1615.5	1392.8	1214.7	1093.2	1020.3	983.9	963.6	979.8
35°	2028.5	1963.7	1854.4	1558.8	1279.4	1077.0	955.5	886.7	858.4	830.0	830.0
37.5°	2101.4	2064.9	1878.7	1453.5	1141.8	947.4	838.1	785.5	736.9	684.3	684.3
40°	2255.2	2206.6	1907.0	1332.1	1004.1	821.9	745.0	676.2	627.6	554.7	550.6
42.5°	2417.2	2311.9	1907.0	1186.3	882.7	732.8	660.0	587.1	498.0	453.5	457.5
45°	2623.7	2502.2	1854.4	1056.8	761.2	660.0	579.0	485.9	445.4	417.0	417.0
47.5°	2882.8	2692.5	1789.6	915.0	664.0	595.2	494.0	437.3	408.9	384.6	380.6
50°	3190.5	2866.6	1708.6	793.6	583.0	534.5	449.4	404.9	380.6	364.4	364.4
52.5°	3514.4	3121.7	1651.9	684.3	518.3	453.5	417.0	388.7	368.4	356.3	352.3
55°	3842.4	3376.8	1611.4	566.8	457.5	417.0	408.9	384.6	376.5	364.4	356.3
57.5°	4210.8	3587.3	1603.4	485.9	408.9	400.8	417.0	396.8	384.6	372.5	360.3
60°	4607.6	3870.7	1530.5	421.1	384.6	392.7	404.9	384.6	376.5	364.4	356.3
62.5°	5000.3	4081.3	1332.1	372.5	360.3	368.4	384.6	368.4	356.3	360.3	364.4
65°	5162.3	4097.5	1032.5	336.1	332.0	336.1	360.3	356.3	344.2	368.4	368.4
67.5°	5000.3	3951.7	728.8	303.7	303.7	323.9	364.4	372.5	360.3	392.7	388.7
70°	4631.9	3591.3	494.0	283.4	291.5	344.2	376.5	368.4	352.3	392.7	384.6
72.5°	3931.4	2874.7	360.3	263.2	275.3	328.0	372.5	364.4	352.3	368.4	352.3
75°	2951.6	2044.7	283.4	238.9	242.9	295.6	384.6	364.4	332.0	323.9	311.8
77.5°	1971.8	1263.2	218.6	210.5	210.5	259.1	368.4	340.1	299.6	287.5	283.4
80°	939.3	506.1	174.1	178.2	182.2	222.7	336.1	303.7	271.3	255.1	255.1
82.5°	299.6	190.3	145.8	145.8	145.8	182.2	279.4	255.1	234.8	222.7	202.4
85°	105.3	105.3	125.5	129.6	117.4	133.6	230.8	218.6	194.3	162.0	157.9
87.5°	40.5	60.7	85.0	101.2	72.9	93.1	166.0	153.9	141.7	105.3	101.2
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)