

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: P675275

Luminaire Tested: **CCW-SA-2D-740-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675275
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4W distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

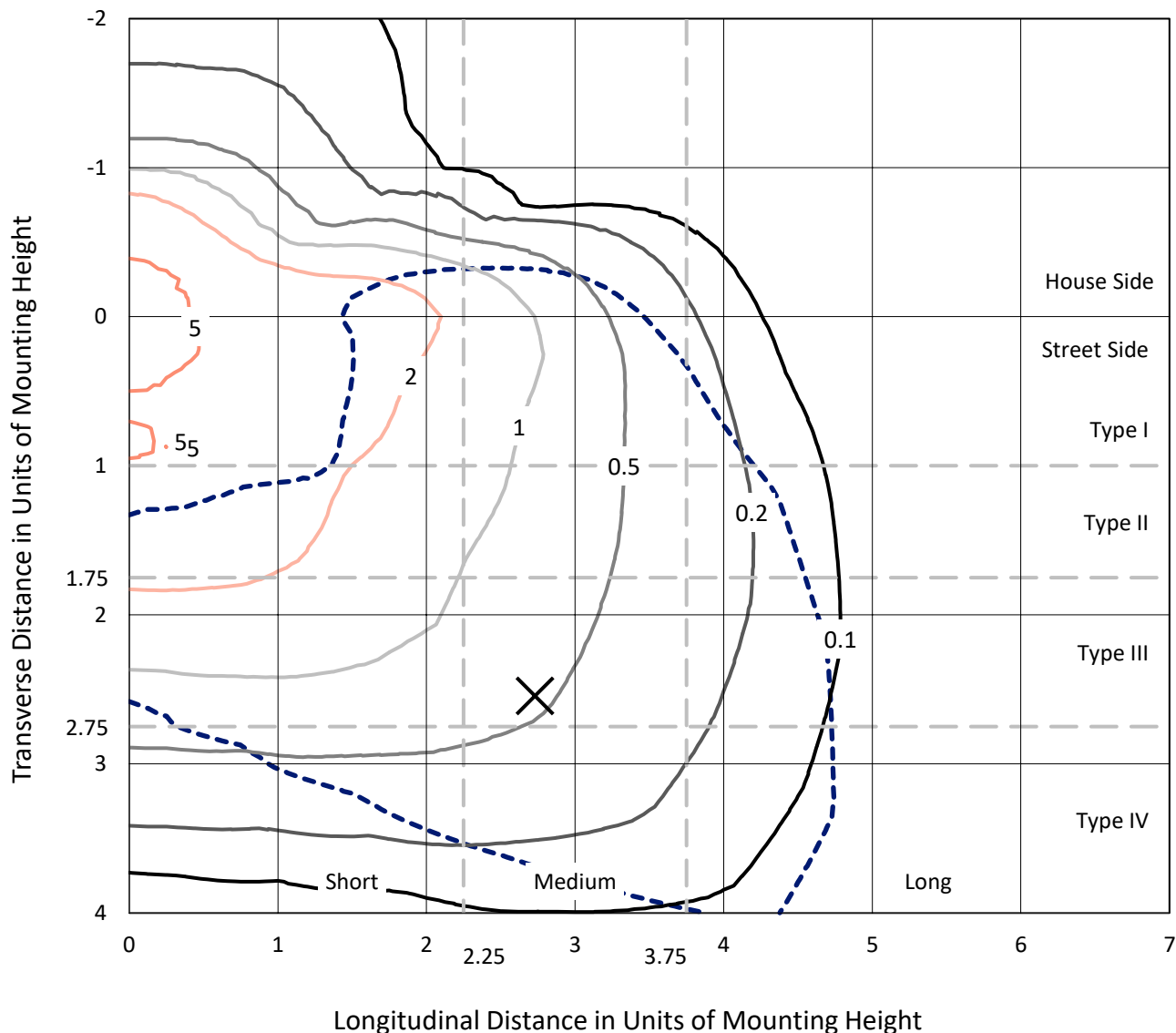
Lumens per Lamp: N/A
Luminaire Lumens: 11251.2 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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

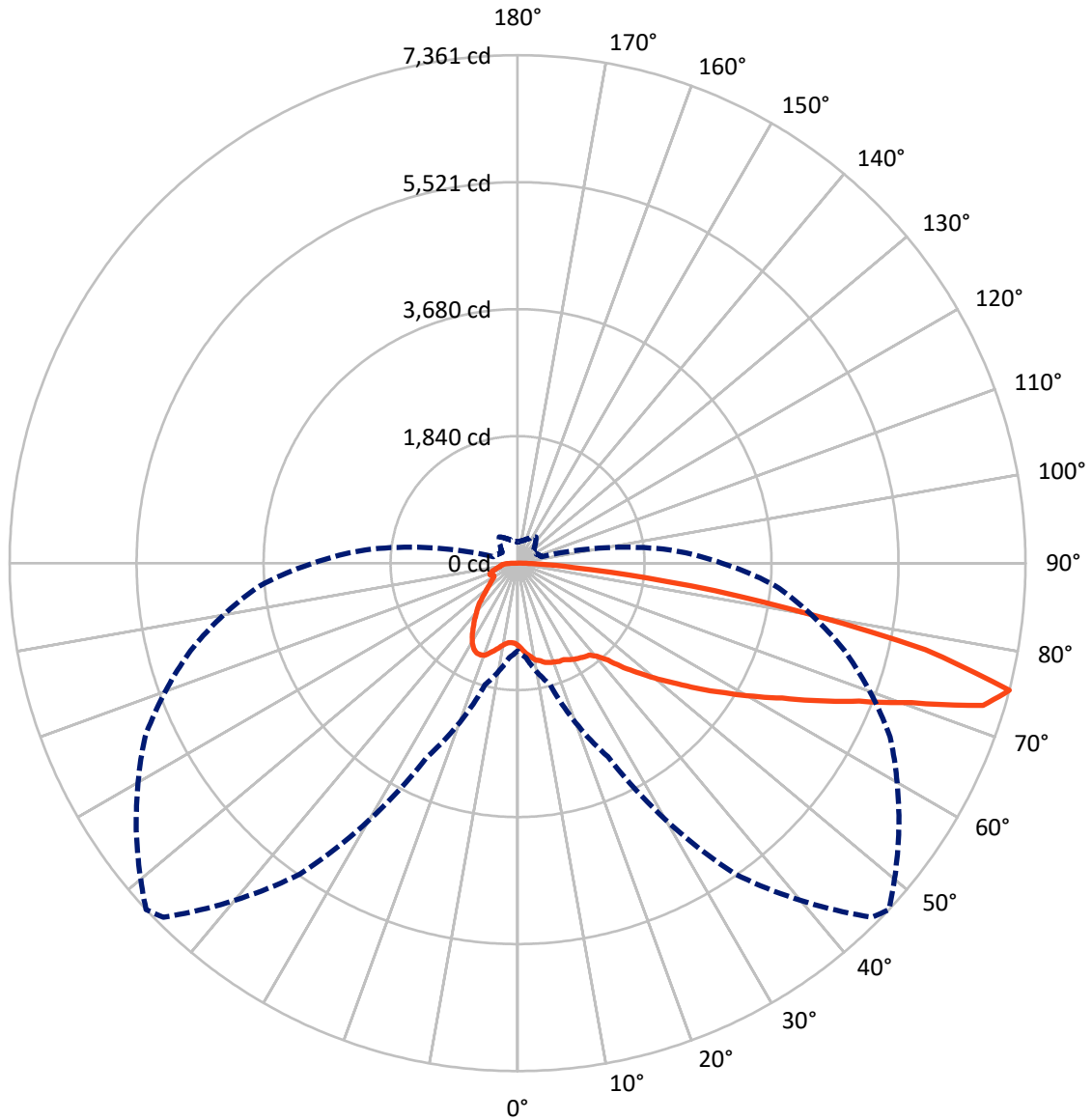
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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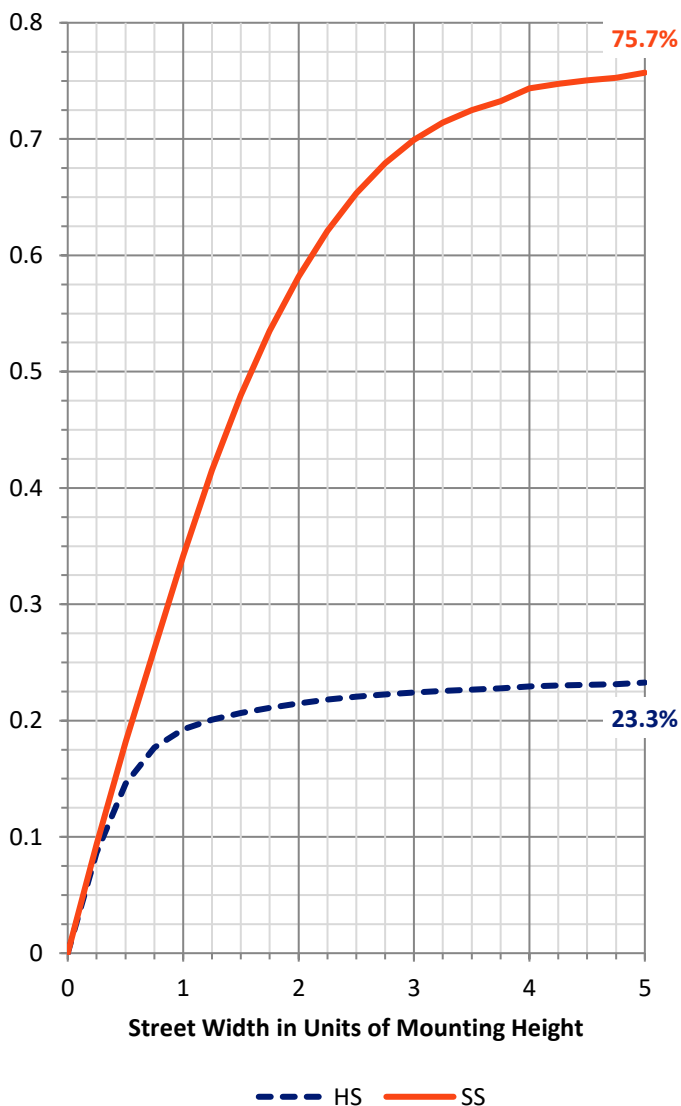
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2690.7	0.0	2690.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	8560.5	0.0	8560.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	11251.2	0.0	11251.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.1
10°-20°	401.1	3.6
20°-30°	686.9	6.1
30°-40°	961.2	8.5
40°-50°	1340.1	11.9
50°-60°	2003.1	17.8
60°-70°	2888.0	25.7
70°-80°	2458.4	21.8
80°-90°	391.6	3.5
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°	11251.2	100.0
0°-180°	11251.2	100.0



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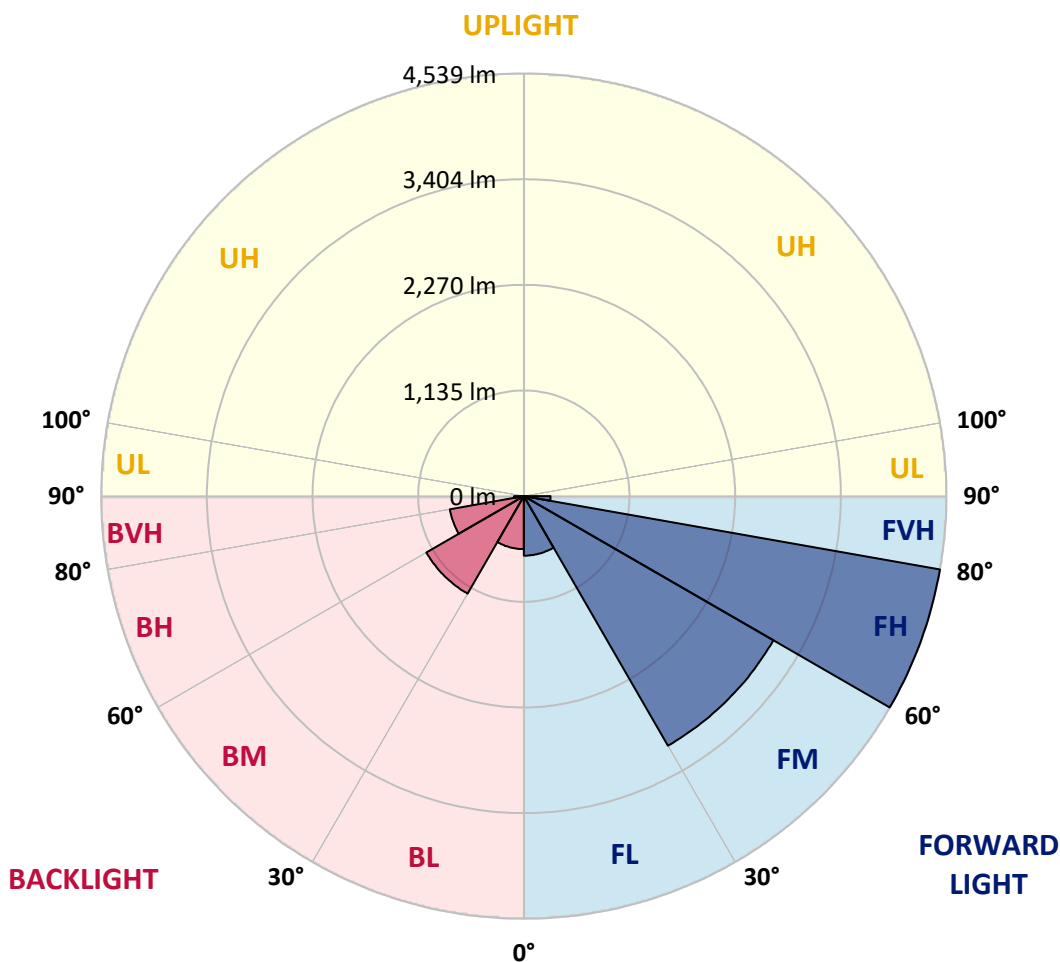
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.2	5.7			
FM (30°-60°)	3095.1	27.5			
FH (60°-80°)	4539.2	40.3			G2/5000
FVH (80°-90°)	286.9	2.6			G3/500
BL (0°-30°)	569.5	5.1	B2/1000		
BM (30°-60°)	1209.3	10.7	B2/2500		
BH (60°-80°)	807.2	7.2	B2/1000		G2/1000
BVH (80°-90°)	104.7	0.9			G2/225
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6
2.5°	1280.8	1285.0	1285.0	1276.7	1268.5	1252.1	1252.1	1235.7	1227.5	1207.0	1198.7
5°	1399.9	1387.6	1375.3	1371.2	1350.6	1321.9	1317.8	1301.4	1256.2	1235.7	1207.0
7.5°	1486.1	1482.0	1477.9	1461.5	1424.5	1379.4	1367.1	1342.4	1297.3	1256.2	1223.4
10°	1555.9	1572.3	1555.9	1519.0	1482.0	1432.7	1428.6	1383.5	1342.4	1293.2	1252.1
12.5°	1633.9	1638.0	1609.3	1564.1	1506.6	1465.6	1449.2	1432.7	1387.6	1346.5	1285.0
15°	1687.3	1679.1	1658.5	1597.0	1531.3	1490.2	1494.3	1473.8	1424.5	1395.8	1330.1
17.5°	1687.3	1687.3	1654.4	1609.3	1551.8	1514.9	1514.9	1502.5	1469.7	1428.6	1383.5
20°	1654.4	1654.4	1633.9	1609.3	1543.6	1535.4	1527.2	1519.0	1519.0	1482.0	1416.3
22.5°	1613.4	1605.2	1613.4	1572.3	1527.2	1535.4	1547.7	1543.6	1531.3	1498.4	1453.3
25°	1572.3	1576.4	1584.6	1555.9	1514.9	1551.8	1547.7	1568.2	1560.0	1535.4	1498.4
27.5°	1568.2	1576.4	1580.5	1551.8	1535.4	1568.2	1584.6	1605.2	1609.3	1584.6	1539.5
30°	1629.8	1625.7	1621.6	1584.6	1572.3	1601.1	1617.5	1646.2	1670.9	1617.5	1580.5
32.5°	1789.9	1765.3	1740.6	1642.1	1605.2	1625.7	1642.1	1683.2	1687.3	1658.5	1605.2
35°	2044.4	2028.0	1945.9	1773.5	1670.9	1650.3	1666.7	1695.5	1703.7	1683.2	1642.1
37.5°	2335.9	2327.7	2212.7	2003.4	1806.3	1707.8	1691.4	1732.4	1765.3	1720.1	1662.6
40°	2623.3	2590.4	2508.3	2303.1	1978.7	1794.0	1773.5	1794.0	1806.3	1773.5	1736.5
42.5°	2881.9	2845.0	2824.4	2619.2	2204.5	1937.7	1921.3	1872.0	1909.0	1867.9	1818.6
45°	3099.5	3091.3	3083.1	2906.5	2463.2	2171.7	2159.4	2032.1	2073.2	2040.3	1970.5
47.5°	3255.5	3292.4	3280.1	3181.6	2758.8	2422.1	2385.2	2221.0	2282.5	2249.7	2179.9
50°	3440.2	3460.8	3448.4	3382.8	3033.8	2709.5	2639.7	2471.4	2541.2	2537.1	2500.1
52.5°	3604.4	3666.0	3596.2	3592.1	3427.9	3021.5	2902.4	2742.3	2857.3	2902.4	2898.3
55°	3797.4	3846.7	3826.1	3817.9	3781.0	3325.3	3218.5	3025.6	3218.5	3284.2	3341.7
57.5°	3961.6	3957.5	4035.5	4129.9	4175.1	3674.2	3547.0	3321.2	3612.7	3686.5	3846.7
60°	4035.5	4105.3	4236.7	4474.8	4602.0	4047.8	3916.4	3735.8	4010.9	4068.3	4363.9
62.5°	4084.8	4146.3	4400.9	4803.2	4877.1	4429.6	4306.4	4125.8	4446.0	4487.1	4926.3
65°	3949.3	4006.8	4511.7	4926.3	5189.1	4840.1	4811.4	4622.6	4881.2	4905.8	5517.5
67.5°	3793.3	3854.9	4417.3	5082.3	5603.7	5386.1	5341.0	5115.2	5312.2	5283.5	5969.1
70°	3518.2	3600.3	4175.1	5217.8	6063.5	6149.7	6059.4	5739.2	5759.7	5488.8	5989.6
72.5°	2680.8	2734.1	3267.8	4680.0	6277.0	7208.9	7052.9	6412.5	6178.5	5529.8	5287.6
75°	1272.6	1371.2	1822.7	3095.4	5501.1	7258.1	7360.8	6745.0	5956.8	4905.8	3748.1
77.5°	369.5	369.5	554.2	1313.7	3448.4	5850.0	6043.0	5726.9	4914.0	3633.2	1970.5
80°	201.2	213.5	291.5	463.9	1514.9	3690.7	3969.8	3797.4	2894.2	1436.9	509.1
82.5°	114.9	119.1	192.9	279.2	689.7	2007.5	2171.7	1970.5	1100.2	435.2	238.1
85°	65.7	69.8	110.8	184.7	410.5	739.0	804.6	697.9	443.4	291.5	119.1
87.5°	32.8	32.8	53.4	86.2	209.4	209.4	205.3	250.4	266.8	176.5	53.4
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°	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6	1194.6
2.5°	1194.6	1190.5	1190.5	1174.1	1170.0	1157.7	1157.7	1149.5	1145.4	1157.7	1157.7
5°	1198.7	1178.2	1174.1	1157.7	1161.8	1153.6	1170.0	1161.8	1157.7	1157.7	1153.6
7.5°	1207.0	1186.4	1170.0	1157.7	1153.6	1165.9	1186.4	1186.4	1211.1	1198.7	1198.7
10°	1227.5	1215.2	1194.6	1186.4	1186.4	1198.7	1223.4	1239.8	1260.3	1260.3	1248.0
12.5°	1276.7	1256.2	1231.6	1219.3	1235.7	1248.0	1272.6	1289.1	1313.7	1321.9	1313.7
15°	1313.7	1293.2	1285.0	1276.7	1289.1	1305.5	1326.0	1342.4	1371.2	1379.4	1375.3
17.5°	1363.0	1338.3	1334.2	1338.3	1346.5	1358.9	1371.2	1383.5	1404.0	1404.0	1404.0
20°	1387.6	1379.4	1375.3	1387.6	1404.0	1420.4	1412.2	1404.0	1399.9	1408.1	1404.0
22.5°	1432.7	1424.5	1428.6	1441.0	1441.0	1432.7	1420.4	1391.7	1383.5	1391.7	1383.5
25°	1473.8	1465.6	1465.6	1457.4	1453.3	1424.5	1399.9	1375.3	1346.5	1358.9	1354.7
27.5°	1514.9	1510.7	1510.7	1477.9	1436.9	1387.6	1354.7	1326.0	1309.6	1330.1	1317.8
30°	1564.1	1568.2	1547.7	1469.7	1371.2	1317.8	1280.8	1276.7	1272.6	1285.0	1280.8
32.5°	1609.3	1613.4	1580.5	1457.4	1321.9	1219.3	1182.3	1186.4	1207.0	1227.5	1248.0
35°	1633.9	1654.4	1613.4	1416.3	1223.4	1108.4	1067.4	1104.3	1141.3	1170.0	1190.5
37.5°	1679.1	1732.4	1662.6	1371.2	1137.2	1009.9	981.2	993.5	1038.6	1083.8	1104.3
40°	1744.7	1806.3	1675.0	1285.0	1022.2	911.4	895.0	899.1	915.5	944.2	964.7
42.5°	1859.7	1925.4	1687.3	1174.1	907.3	849.8	804.6	792.3	780.0	780.0	775.9
45°	2028.0	2089.6	1670.9	1034.5	792.3	751.3	718.4	689.7	656.8	603.5	611.7
47.5°	2274.3	2323.6	1683.2	911.4	685.6	652.7	628.1	595.3	546.0	488.5	484.4
50°	2647.9	2574.0	1666.7	784.1	607.6	578.8	558.3	513.2	455.7	414.6	410.5
52.5°	3083.1	2935.3	1650.3	677.4	541.9	517.3	500.8	451.6	398.2	377.7	373.6
55°	3608.5	3395.1	1675.0	583.0	492.6	472.1	455.7	410.5	369.5	353.1	348.9
57.5°	4228.4	3891.8	1810.4	509.1	439.3	431.1	426.9	390.0	353.1	340.7	336.6
60°	4811.4	4368.0	1900.7	455.7	390.0	398.2	406.4	390.0	348.9	340.7	340.7
62.5°	5299.9	4762.1	1757.1	410.5	365.4	390.0	426.9	414.6	398.2	406.4	398.2
65°	5731.0	4897.6	1313.7	385.9	353.1	410.5	472.1	468.0	431.1	439.3	435.2
67.5°	5804.9	4733.4	858.0	365.4	344.8	451.6	529.6	480.3	406.4	406.4	394.1
70°	5497.0	4294.1	574.7	344.8	340.7	451.6	541.9	451.6	381.8	381.8	365.4
72.5°	4511.7	3432.0	443.4	324.3	312.0	402.3	513.2	426.9	357.2	348.9	320.2
75°	2964.0	2212.7	361.3	307.9	270.9	353.1	463.9	394.1	340.7	316.1	303.8
77.5°	1453.3	993.5	303.8	270.9	234.0	307.9	422.8	373.6	320.2	295.6	287.4
80°	398.2	357.2	254.5	238.1	197.1	266.8	398.2	357.2	299.7	275.1	262.7
82.5°	225.8	221.7	205.3	192.9	164.2	266.8	402.3	357.2	283.3	279.2	238.1
85°	123.2	131.4	147.8	143.7	127.3	238.1	381.8	312.0	229.9	192.9	192.9
87.5°	49.3	61.6	73.9	82.1	86.2	176.5	287.4	238.1	176.5	147.8	147.8
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)