

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: P675285

Luminaire Tested: **CCW-SA-2C-750-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675285
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-750-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

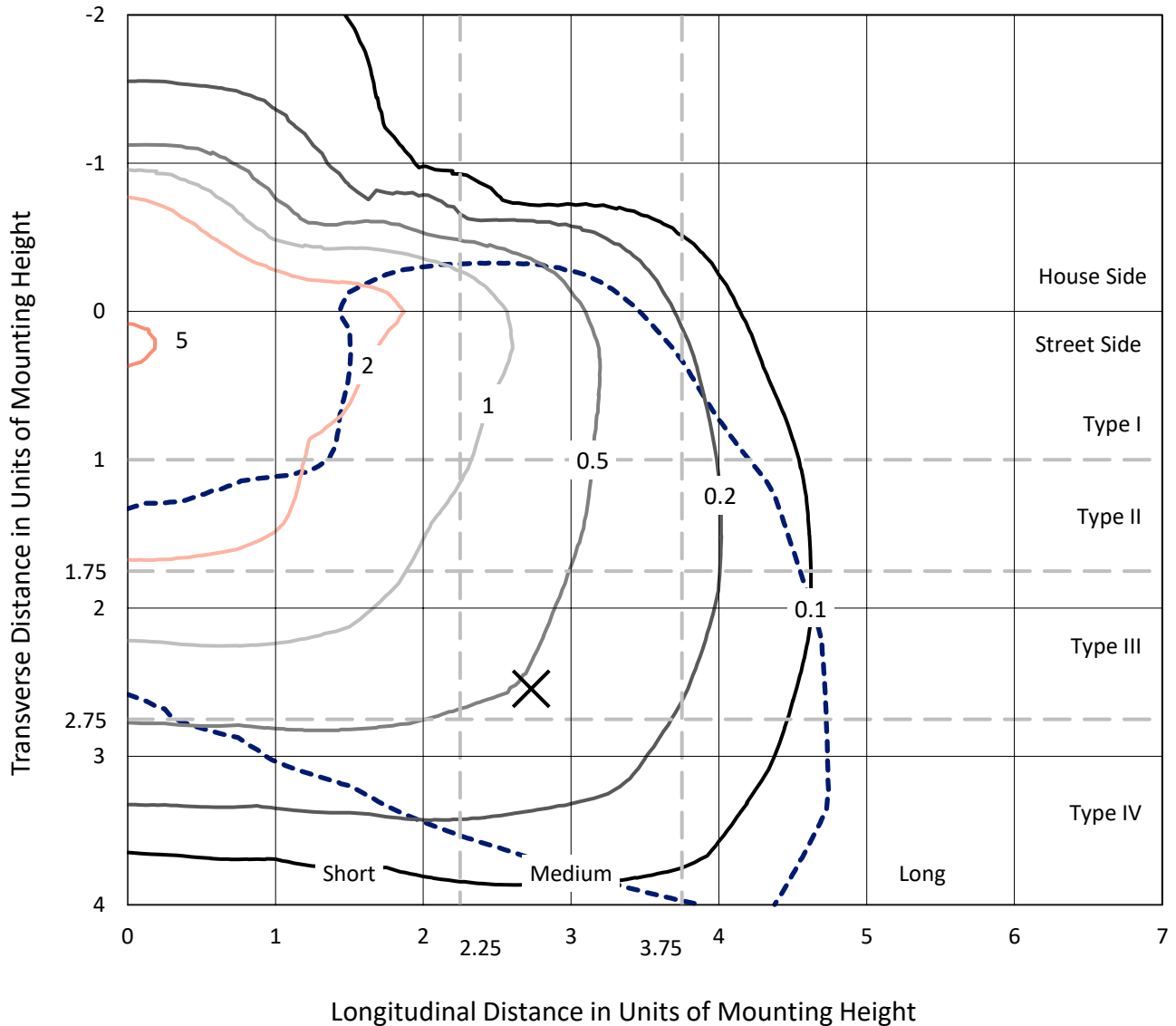
Lumens per Lamp: N/A
Luminaire Lumens: 9330.2 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 62.1
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

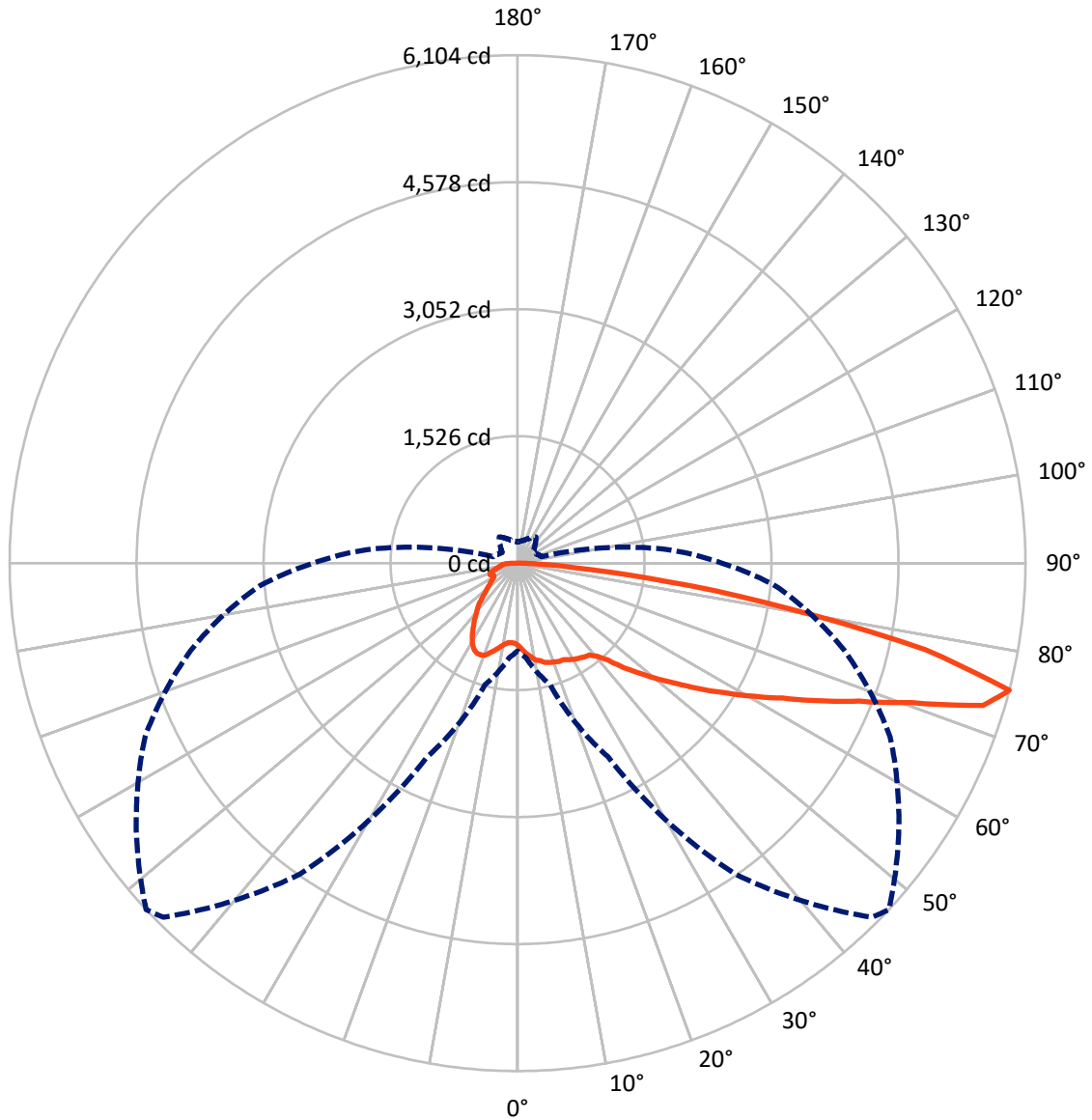
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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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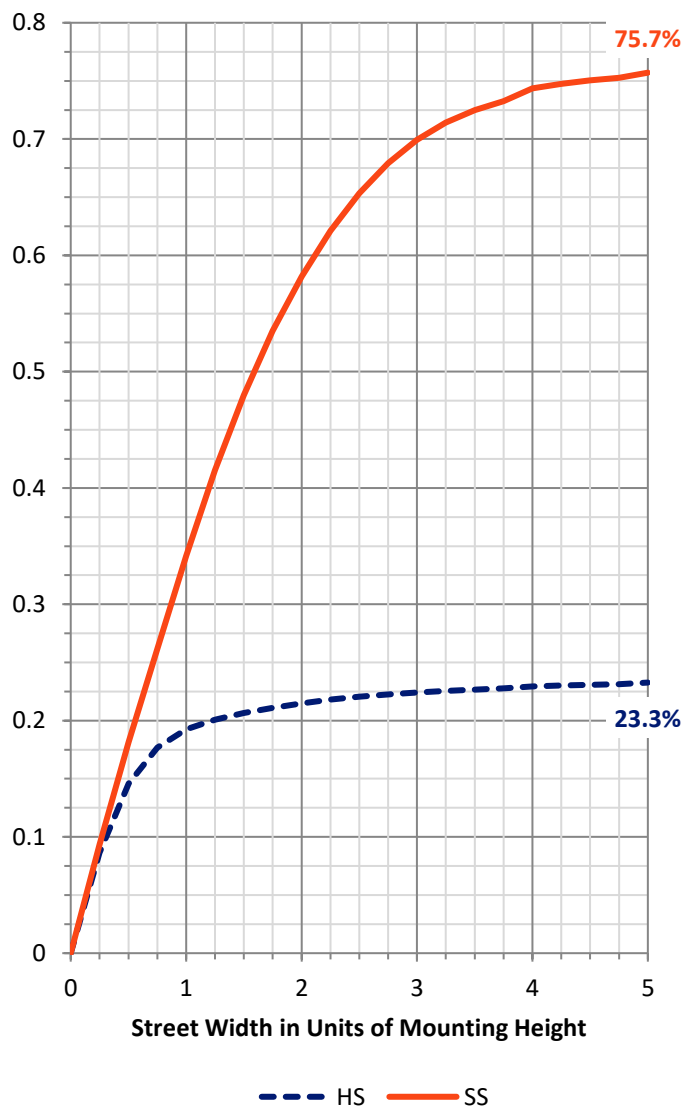
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2231.3	0.0	2231.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7098.9	0.0	7098.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	9330.2	0.0	9330.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.1
10°-20°	332.6	3.6
20°-30°	569.6	6.1
30°-40°	797.1	8.5
40°-50°	1111.3	11.9
50°-60°	1661.1	17.8
60°-70°	2394.9	25.7
70°-80°	2038.6	21.8
80°-90°	324.8	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°	9330.2	100.0
0°-180°	9330.2	100.0



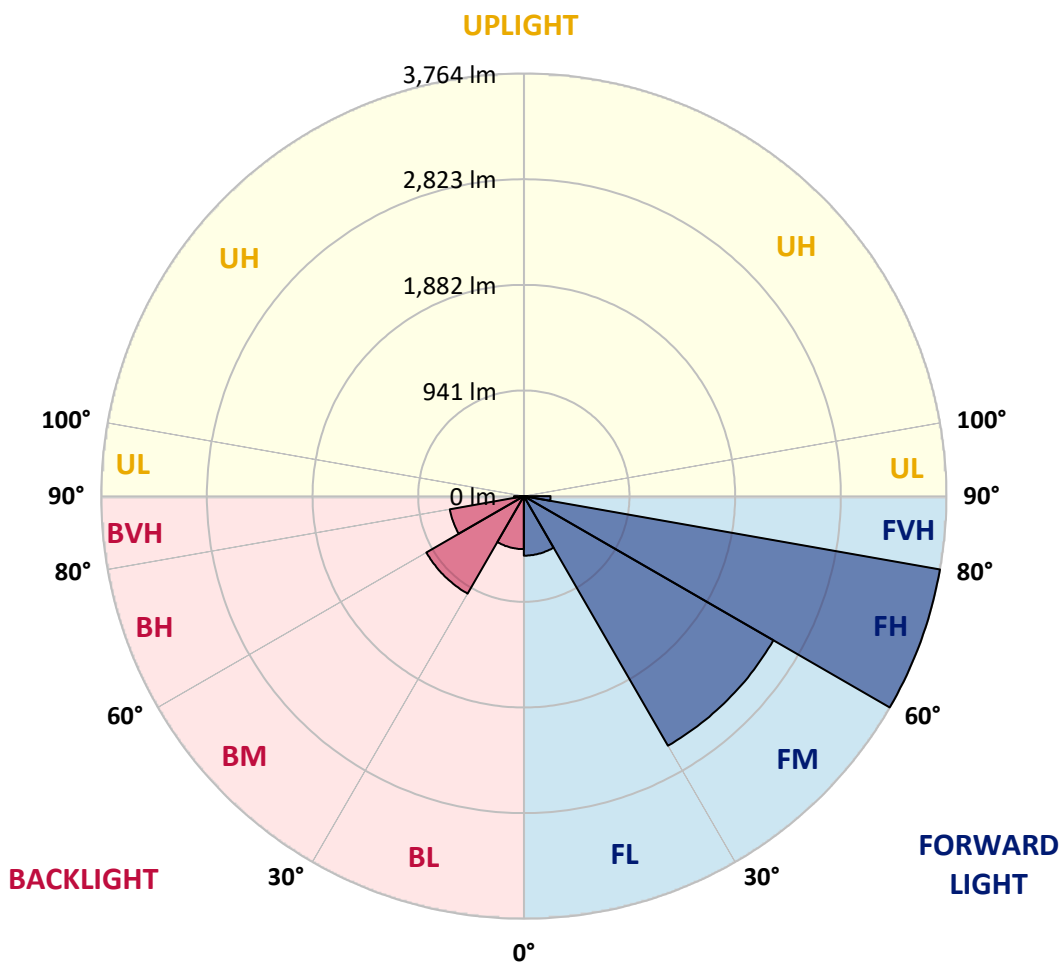
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.1	5.7			
FM (30°-60°)	2566.7	27.5			
FH (60°-80°)	3764.2	40.3			G2/5000
FVH (80°-90°)	237.9	2.6			G3/500
BL (0°-30°)	472.3	5.1	B1/500		
BM (30°-60°)	1002.8	10.7	B2/2500		
BH (60°-80°)	669.4	7.2	B2/1000		G2/1000
BVH (80°-90°)	86.8	0.9			G1/100
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°	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7
2.5°	1062.2	1065.6	1065.6	1058.8	1051.9	1038.3	1038.3	1024.7	1017.9	1000.9	994.1
5°	1160.9	1150.7	1140.5	1137.1	1120.0	1096.2	1092.8	1079.2	1041.7	1024.7	1000.9
7.5°	1232.4	1229.0	1225.6	1212.0	1181.3	1143.9	1133.7	1113.2	1075.8	1041.7	1014.5
10°	1290.3	1303.9	1290.3	1259.6	1229.0	1188.1	1184.7	1147.3	1113.2	1072.4	1038.3
12.5°	1354.9	1358.3	1334.5	1297.1	1249.4	1215.4	1201.7	1188.1	1150.7	1116.6	1065.6
15°	1399.2	1392.4	1375.4	1324.3	1269.8	1235.8	1239.2	1222.2	1181.3	1157.5	1103.0
17.5°	1399.2	1399.2	1372.0	1334.5	1286.8	1256.2	1256.2	1246.0	1218.8	1184.7	1147.3
20°	1372.0	1372.0	1354.9	1334.5	1280.0	1273.2	1266.4	1259.6	1259.6	1229.0	1174.5
22.5°	1337.9	1331.1	1337.9	1303.9	1266.4	1273.2	1283.4	1280.0	1269.8	1242.6	1205.1
25°	1303.9	1307.3	1314.1	1290.3	1256.2	1286.8	1283.4	1300.5	1293.7	1273.2	1242.6
27.5°	1300.5	1307.3	1310.7	1286.8	1273.2	1300.5	1314.1	1331.1	1334.5	1314.1	1276.6
30°	1351.5	1348.1	1344.7	1314.1	1303.9	1327.7	1341.3	1365.1	1385.6	1341.3	1310.7
32.5°	1484.3	1463.9	1443.4	1361.7	1331.1	1348.1	1361.7	1395.8	1399.2	1375.4	1331.1
35°	1695.4	1681.8	1613.7	1470.7	1385.6	1368.6	1382.2	1406.0	1412.8	1395.8	1361.7
37.5°	1937.1	1930.3	1834.9	1661.3	1497.9	1416.2	1402.6	1436.6	1463.9	1426.4	1378.8
40°	2175.4	2148.1	2080.1	1909.8	1640.9	1487.7	1470.7	1487.7	1497.9	1470.7	1440.0
42.5°	2389.9	2359.2	2342.2	2172.0	1828.1	1606.9	1593.2	1552.4	1583.0	1549.0	1508.1
45°	2570.3	2563.5	2556.7	2410.3	2042.6	1800.9	1790.7	1685.2	1719.2	1692.0	1634.1
47.5°	2699.7	2730.3	2720.1	2638.4	2287.7	2008.6	1977.9	1841.8	1892.8	1865.6	1807.7
50°	2852.9	2869.9	2859.7	2805.2	2515.8	2246.9	2189.0	2049.4	2107.3	2103.9	2073.3
52.5°	2989.0	3040.1	2982.2	2978.8	2842.6	2505.6	2406.9	2274.1	2369.4	2406.9	2403.5
55°	3149.0	3189.9	3172.9	3166.1	3135.4	2757.5	2669.0	2509.0	2669.0	2723.5	2771.1
57.5°	3285.2	3281.8	3346.5	3424.8	3462.2	3046.9	2941.4	2754.1	2995.8	3057.1	3189.9
60°	3346.5	3404.4	3513.3	3710.7	3816.3	3356.7	3247.8	3098.0	3326.1	3373.7	3618.8
62.5°	3387.3	3438.4	3649.5	3983.1	4044.4	3673.3	3571.2	3421.4	3686.9	3721.0	4085.2
65°	3275.0	3322.7	3741.4	4085.2	4303.1	4013.7	3989.9	3833.3	4047.8	4068.2	4575.5
67.5°	3145.6	3196.7	3663.1	4214.6	4646.9	4466.5	4429.1	4241.8	4405.2	4381.4	4949.9
70°	2917.5	2985.6	3462.2	4326.9	5028.2	5099.7	5024.8	4759.3	4776.3	4551.6	4967.0
72.5°	2223.0	2267.3	2709.9	3881.0	5205.3	5978.1	5848.7	5317.6	5123.6	4585.7	4384.8
75°	1055.4	1137.1	1511.5	2566.9	4561.8	6018.9	6104.0	5593.4	4939.7	4068.2	3108.2
77.5°	306.4	306.4	459.6	1089.4	2859.7	4851.2	5011.2	4749.1	4075.0	3012.9	1634.1
80°	166.8	177.0	241.7	384.7	1256.2	3060.5	3292.0	3149.0	2400.1	1191.5	422.1
82.5°	95.3	98.7	160.0	231.5	571.9	1664.7	1800.9	1634.1	912.4	360.9	197.5
85°	54.5	57.9	91.9	153.2	340.4	612.8	667.3	578.7	367.7	241.7	98.7
87.5°	27.2	27.2	44.3	71.5	173.6	173.6	170.2	207.7	221.3	146.4	44.3
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°	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7	990.7
2.5°	990.7	987.3	987.3	973.6	970.2	960.0	960.0	953.2	949.8	960.0	960.0
5°	994.1	977.1	973.6	960.0	963.4	956.6	970.2	963.4	960.0	960.0	956.6
7.5°	1000.9	983.9	970.2	960.0	956.6	966.8	983.9	983.9	1004.3	994.1	994.1
10°	1017.9	1007.7	990.7	983.9	983.9	994.1	1014.5	1028.1	1045.1	1045.1	1034.9
12.5°	1058.8	1041.7	1021.3	1011.1	1024.7	1034.9	1055.4	1069.0	1089.4	1096.2	1089.4
15°	1089.4	1072.4	1065.6	1058.8	1069.0	1082.6	1099.6	1113.2	1137.1	1143.9	1140.5
17.5°	1130.2	1109.8	1106.4	1109.8	1116.6	1126.8	1137.1	1147.3	1164.3	1164.3	1164.3
20°	1150.7	1143.9	1140.5	1150.7	1164.3	1177.9	1171.1	1164.3	1160.9	1167.7	1164.3
22.5°	1188.1	1181.3	1184.7	1194.9	1194.9	1188.1	1177.9	1154.1	1147.3	1154.1	1147.3
25°	1222.2	1215.4	1215.4	1208.5	1205.1	1181.3	1160.9	1140.5	1116.6	1126.8	1123.4
27.5°	1256.2	1252.8	1252.8	1225.6	1191.5	1150.7	1123.4	1099.6	1086.0	1103.0	1092.8
30°	1297.1	1300.5	1283.4	1218.8	1137.1	1092.8	1062.2	1058.8	1055.4	1065.6	1062.2
32.5°	1334.5	1337.9	1310.7	1208.5	1096.2	1011.1	980.5	983.9	1000.9	1017.9	1034.9
35°	1354.9	1372.0	1337.9	1174.5	1014.5	919.2	885.1	915.8	946.4	970.2	987.3
37.5°	1392.4	1436.6	1378.8	1137.1	943.0	837.5	813.6	823.9	861.3	898.8	915.8
40°	1446.9	1497.9	1389.0	1065.6	847.7	755.8	742.1	745.6	759.2	783.0	800.0
42.5°	1542.2	1596.6	1399.2	973.6	752.4	704.7	667.3	657.0	646.8	646.8	643.4
45°	1681.8	1732.8	1385.6	857.9	657.0	623.0	595.8	571.9	544.7	500.4	507.2
47.5°	1886.0	1926.9	1395.8	755.8	568.5	541.3	520.9	493.6	452.8	405.1	401.7
50°	2195.8	2134.5	1382.2	650.2	503.8	480.0	463.0	425.5	377.9	343.8	340.4
52.5°	2556.7	2434.1	1368.6	561.7	449.4	428.9	415.3	374.5	330.2	313.2	309.8
55°	2992.4	2815.4	1389.0	483.4	408.5	391.5	377.9	340.4	306.4	292.8	289.4
57.5°	3506.5	3227.3	1501.3	422.1	364.3	357.5	354.1	323.4	292.8	282.6	279.2
60°	3989.9	3622.2	1576.2	377.9	323.4	330.2	337.0	323.4	289.4	282.6	282.6
62.5°	4395.0	3949.1	1457.1	340.4	303.0	323.4	354.1	343.8	330.2	337.0	330.2
65°	4752.5	4061.4	1089.4	320.0	292.8	340.4	391.5	388.1	357.5	364.3	360.9
67.5°	4813.8	3925.2	711.5	303.0	286.0	374.5	439.2	398.3	337.0	337.0	326.8
70°	4558.4	3561.0	476.6	286.0	282.6	374.5	449.4	374.5	316.6	316.6	303.0
72.5°	3741.4	2846.0	367.7	268.9	258.7	333.6	425.5	354.1	296.2	289.4	265.5
75°	2457.9	1834.9	299.6	255.3	224.7	292.8	384.7	326.8	282.6	262.1	251.9
77.5°	1205.1	823.9	251.9	224.7	194.0	255.3	350.6	309.8	265.5	245.1	238.3
80°	330.2	296.2	211.1	197.5	163.4	221.3	330.2	296.2	248.5	228.1	217.9
82.5°	187.2	183.8	170.2	160.0	136.2	221.3	333.6	296.2	234.9	231.5	197.5
85°	102.1	108.9	122.6	119.2	105.5	197.5	316.6	258.7	190.6	160.0	160.0
87.5°	40.9	51.1	61.3	68.1	71.5	146.4	238.3	197.5	146.4	122.6	122.6
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)