

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: P674986

Luminaire Tested: **CCW-SA-2C-740-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674986
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

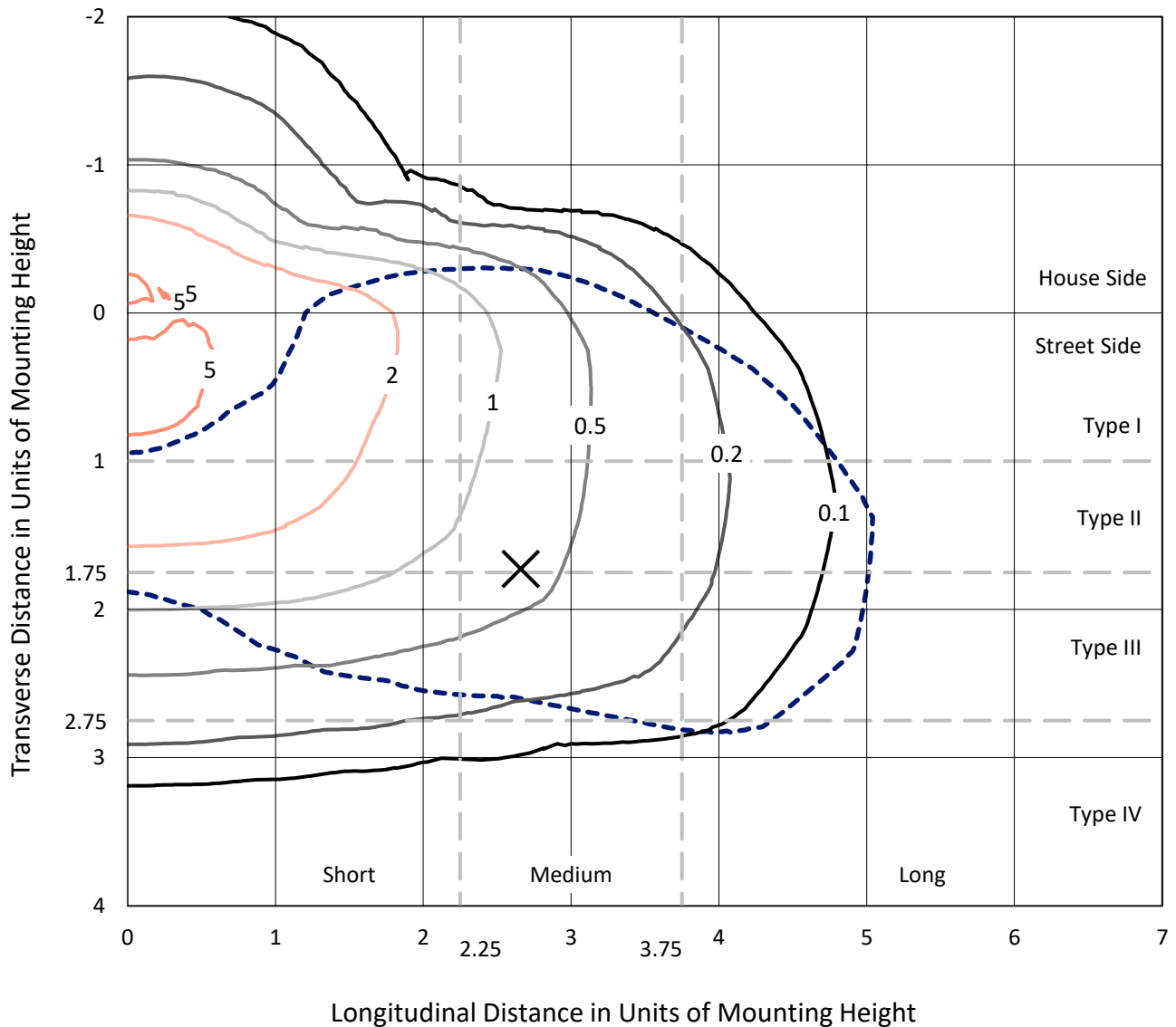
Lumens per Lamp: N/A
Luminaire Lumens: 9135.4 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

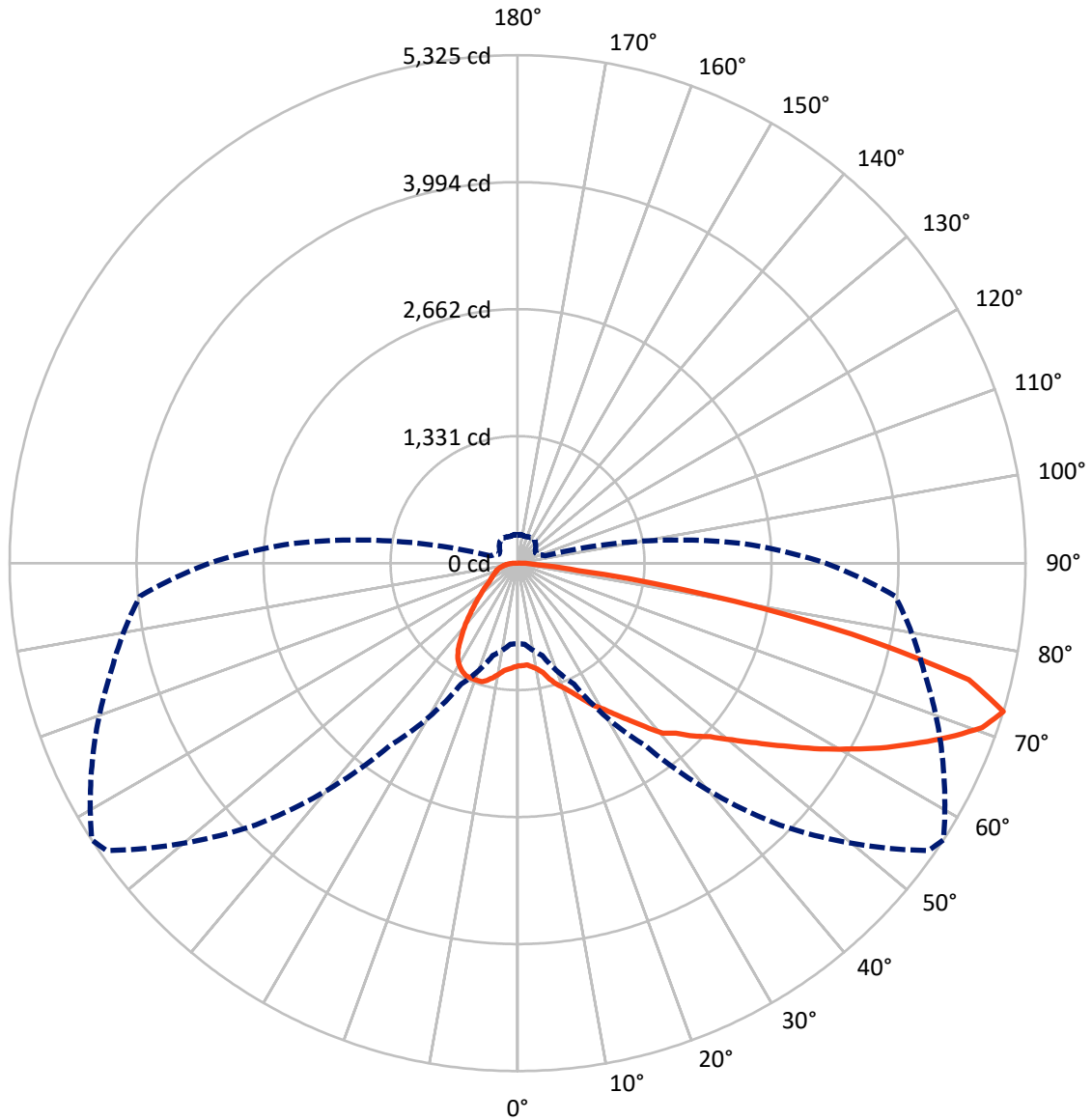
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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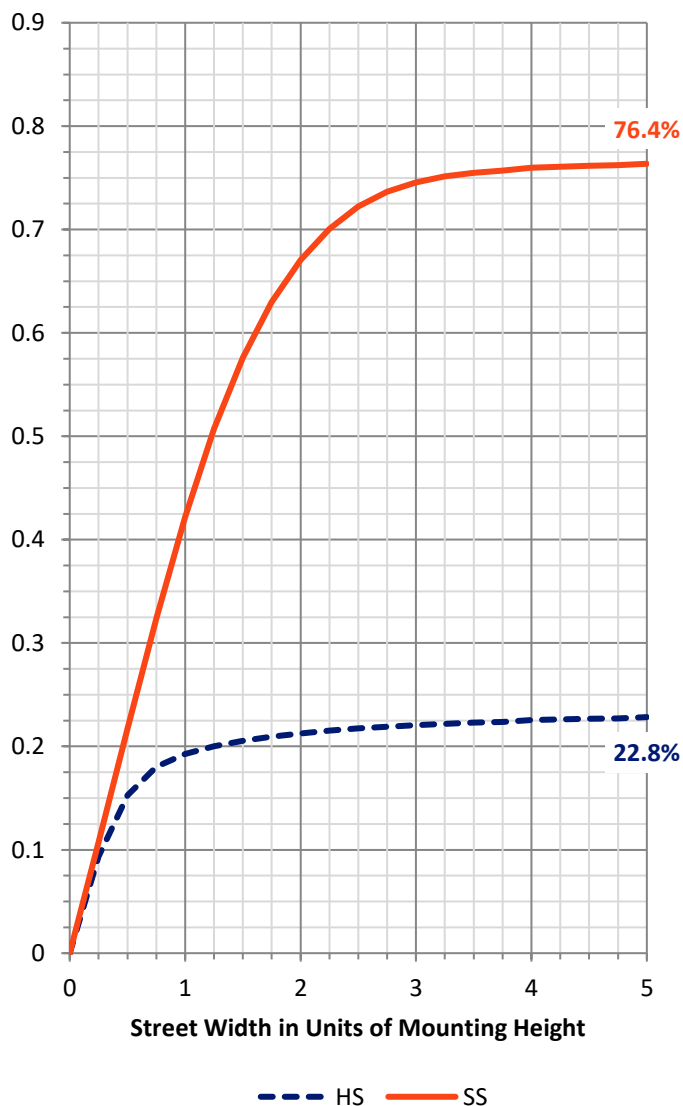
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2133.4	0.0	2133.4
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	7002.0	0.0	7002.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	9135.4	0.0	9135.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.2
10°-20°	360.7	3.9
20°-30°	659.4	7.2
30°-40°	967.4	10.6
40°-50°	1332.0	14.6
50°-60°	1826.6	20.0
60°-70°	2201.8	24.1
70°-80°	1466.7	16.1
80°-90°	213.6	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°	9135.4	100.0
0°-180°	9135.4	100.0



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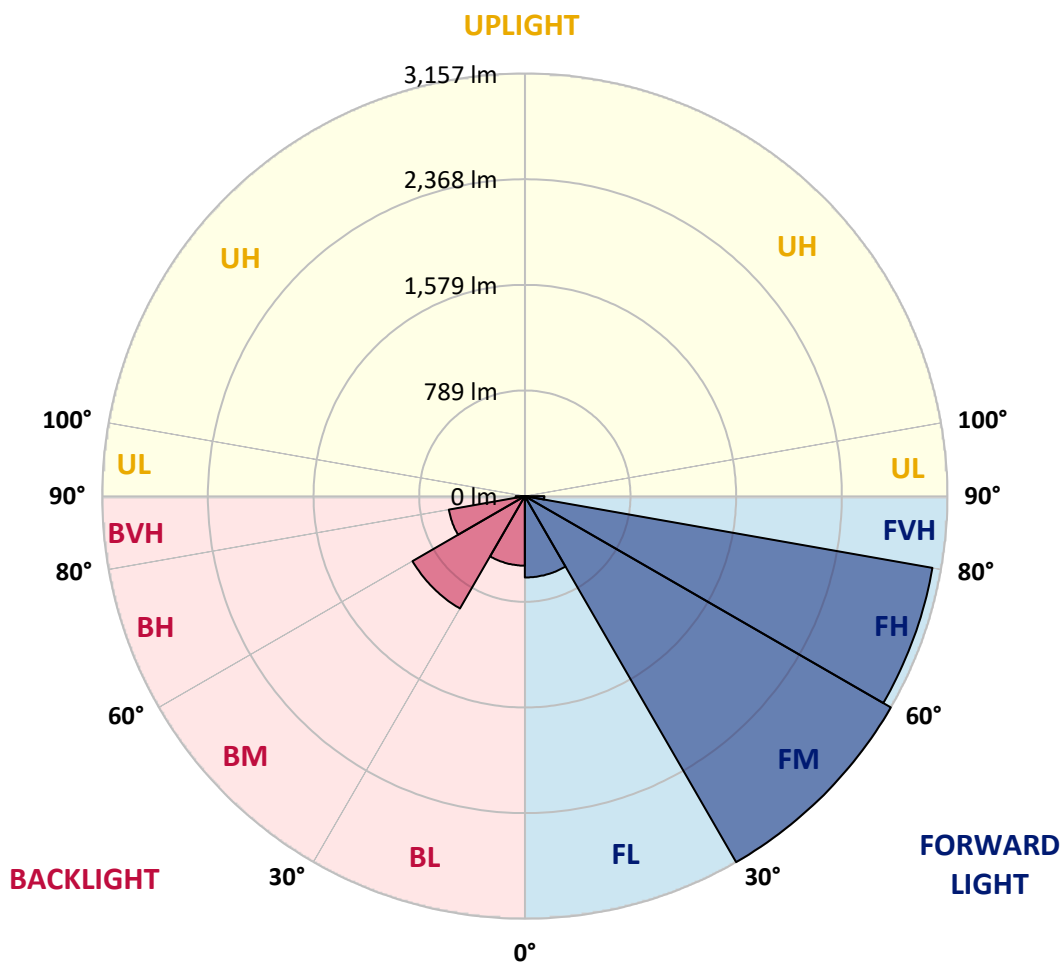
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.7	6.7			
FM (30°-60°)	3157.0	34.6			
FH (60°-80°)	3091.8	33.8			G2/5000
FVH (80°-90°)	145.5	1.6			G2/225
BL (0°-30°)	519.4	5.7	B2/1000		
BM (30°-60°)	969.0	10.6	B1/1000		
BH (60°-80°)	576.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	68.2	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°	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3
2.5°	1058.3	1061.6	1068.3	1065.0	1065.0	1055.0	1071.6	1074.9	1068.3	1071.6	1078.3
5°	1058.3	1065.0	1074.9	1068.3	1071.6	1068.3	1061.6	1071.6	1071.6	1074.9	1084.9
7.5°	1114.9	1111.6	1111.6	1101.6	1098.2	1094.9	1098.2	1098.2	1091.6	1094.9	1094.9
10°	1178.1	1178.1	1171.5	1171.5	1164.8	1148.2	1131.5	1128.2	1118.2	1121.5	1121.5
12.5°	1244.7	1251.3	1258.0	1238.0	1231.4	1204.7	1194.8	1174.8	1174.8	1168.1	1164.8
15°	1327.9	1317.9	1324.5	1317.9	1301.2	1274.6	1258.0	1261.3	1238.0	1231.4	1221.4
17.5°	1401.1	1404.4	1394.4	1387.8	1357.8	1337.9	1341.2	1337.9	1307.9	1297.9	1281.3
20°	1487.6	1484.3	1484.3	1464.3	1437.7	1411.1	1401.1	1397.8	1404.4	1384.4	1344.5
22.5°	1577.5	1564.2	1564.2	1547.5	1510.9	1494.3	1487.6	1474.3	1481.0	1464.3	1404.4
25°	1650.7	1650.7	1674.0	1640.7	1620.7	1587.5	1574.1	1577.5	1580.8	1547.5	1477.6
27.5°	1747.2	1730.6	1753.9	1737.2	1727.2	1690.6	1674.0	1684.0	1677.3	1640.7	1544.2
30°	1870.3	1873.7	1860.3	1837.1	1823.7	1797.1	1787.1	1777.1	1787.1	1740.5	1617.4
32.5°	2023.4	2033.4	2000.1	1973.5	1950.2	1923.6	1903.6	1893.6	1903.6	1833.7	1674.0
35°	2199.8	2209.8	2183.2	2153.2	2126.6	2060.0	2043.4	2026.7	1990.1	1877.0	1727.2
37.5°	2362.9	2349.6	2342.9	2342.9	2293.0	2196.5	2186.5	2176.5	2106.6	1963.5	1800.4
40°	2472.7	2489.3	2482.7	2476.0	2469.4	2379.5	2359.5	2342.9	2226.4	2093.3	1903.6
42.5°	2595.8	2585.9	2612.5	2622.5	2599.2	2572.5	2492.7	2436.1	2332.9	2226.4	2056.7
45°	2742.3	2735.6	2745.6	2782.2	2748.9	2758.9	2625.8	2585.9	2456.1	2392.8	2249.7
47.5°	2872.1	2888.7	2938.6	2948.6	2922.0	2968.6	2782.2	2719.0	2635.8	2585.9	2449.4
50°	2928.6	2948.6	3061.8	3131.6	3135.0	3208.2	2938.6	2912.0	2798.8	2818.8	2699.0
52.5°	2882.0	2945.3	3081.7	3264.8	3377.9	3451.1	3145.0	3131.6	3028.5	3091.7	2971.9
55°	2925.3	2985.2	3075.1	3331.3	3617.5	3634.2	3431.2	3381.2	3278.1	3364.6	3254.8
57.5°	2945.3	2912.0	3081.7	3404.5	3793.9	3837.2	3704.1	3667.5	3587.6	3670.8	3607.5
60°	2788.9	2828.8	2988.5	3384.6	3803.9	4053.5	4010.2	3957.0	3883.8	3960.3	3923.7
62.5°	2612.5	2639.1	2812.2	3264.8	3860.5	4209.9	4306.4	4266.5	4163.3	4229.9	4293.1
65°	2389.5	2392.8	2585.9	3051.8	3750.6	4299.8	4566.0	4562.7	4489.5	4472.8	4572.7
67.5°	2116.6	2143.2	2296.3	2825.5	3600.9	4399.6	4822.3	4872.2	4725.8	4596.0	4632.6
70°	1624.1	1650.7	1797.1	2316.3	3294.7	4369.7	5138.4	5165.0	4878.8	4549.4	4456.2
72.5°	845.3	852.0	1001.7	1397.8	2336.3	3880.4	5254.9	5324.8	4918.8	4412.9	3973.6
75°	279.6	279.6	342.8	532.5	1101.6	2482.7	4759.0	4885.5	4722.4	4073.5	3251.5
77.5°	166.4	169.7	203.0	266.2	439.3	991.7	3354.6	3577.6	3863.8	3464.4	2376.2
80°	119.8	123.1	153.1	183.0	262.9	319.5	1684.0	1993.5	2372.9	2229.8	1268.0
82.5°	89.9	89.9	119.8	136.4	179.7	189.7	469.2	642.3	1025.0	798.7	349.4
85°	93.2	93.2	93.2	96.5	123.1	109.8	196.4	209.7	299.5	262.9	96.5
87.5°	33.3	36.6	93.2	63.2	63.2	46.6	76.5	83.2	106.5	109.8	36.6
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°	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3	1078.3
2.5°	1081.6	1081.6	1084.9	1084.9	1091.6	1098.2	1108.2	1101.6	1101.6	1104.9	1101.6
5°	1078.3	1081.6	1091.6	1108.2	1114.9	1118.2	1138.2	1138.2	1138.2	1144.8	1144.8
7.5°	1091.6	1098.2	1114.9	1131.5	1134.8	1144.8	1171.5	1178.1	1194.8	1201.4	1204.7
10°	1124.9	1134.8	1148.2	1168.1	1181.4	1194.8	1214.7	1238.0	1234.7	1254.7	1258.0
12.5°	1174.8	1171.5	1194.8	1214.7	1228.0	1248.0	1254.7	1254.7	1254.7	1254.7	1261.3
15°	1214.7	1221.4	1241.3	1254.7	1271.3	1268.0	1254.7	1241.3	1244.7	1241.3	1241.3
17.5°	1274.6	1274.6	1291.3	1294.6	1301.2	1268.0	1248.0	1248.0	1258.0	1258.0	1251.3
20°	1334.5	1331.2	1337.9	1334.5	1291.3	1251.3	1248.0	1251.3	1254.7	1251.3	1248.0
22.5°	1391.1	1384.4	1374.5	1361.1	1284.6	1248.0	1241.3	1224.7	1208.1	1208.1	1198.1
25°	1441.0	1434.4	1407.7	1367.8	1281.3	1228.0	1194.8	1154.8	1134.8	1124.9	1138.2
27.5°	1487.6	1474.3	1437.7	1367.8	1251.3	1174.8	1111.6	1061.6	1045.0	1031.7	1045.0
30°	1550.8	1527.5	1477.6	1357.8	1204.7	1091.6	1005.1	945.2	928.5	908.5	915.2
32.5°	1607.4	1554.2	1510.9	1327.9	1144.8	998.4	898.6	838.7	808.7	792.1	805.4
35°	1667.3	1614.1	1524.2	1281.3	1051.6	885.2	785.4	728.8	705.5	682.2	682.2
37.5°	1727.2	1697.3	1544.2	1194.8	938.5	778.8	688.9	645.6	605.7	562.4	562.4
40°	1853.7	1813.8	1567.5	1094.9	825.3	675.6	612.4	555.8	515.8	455.9	452.6
42.5°	1986.8	1900.3	1567.5	975.1	725.5	602.4	542.5	482.6	409.3	372.7	376.1
45°	2156.5	2056.7	1524.2	868.6	625.7	542.5	475.9	399.4	366.1	342.8	342.8
47.5°	2369.5	2213.1	1471.0	752.1	545.8	489.2	406.0	359.4	336.1	316.2	312.8
50°	2622.5	2356.2	1404.4	652.3	479.2	439.3	369.4	332.8	312.8	299.5	299.5
52.5°	2888.7	2565.9	1357.8	562.4	426.0	372.7	342.8	319.5	302.8	292.9	289.5
55°	3158.3	2775.5	1324.5	465.9	376.1	342.8	336.1	316.2	309.5	299.5	292.9
57.5°	3461.1	2948.6	1317.9	399.4	336.1	329.5	342.8	326.1	316.2	306.2	296.2
60°	3787.3	3181.6	1258.0	346.1	316.2	322.8	332.8	316.2	309.5	299.5	292.9
62.5°	4110.1	3354.6	1094.9	306.2	296.2	302.8	316.2	302.8	292.9	296.2	299.5
65°	4243.2	3367.9	848.6	276.2	272.9	276.2	296.2	292.9	282.9	302.8	302.8
67.5°	4110.1	3248.1	599.0	249.6	249.6	266.2	299.5	306.2	296.2	322.8	319.5
70°	3807.2	2951.9	406.0	233.0	239.6	282.9	309.5	302.8	289.5	322.8	316.2
72.5°	3231.5	2362.9	296.2	216.3	226.3	269.6	306.2	299.5	289.5	302.8	289.5
75°	2426.1	1680.6	233.0	196.4	199.7	242.9	316.2	299.5	272.9	266.2	256.3
77.5°	1620.7	1038.3	179.7	173.1	173.1	213.0	302.8	279.6	246.3	236.3	233.0
80°	772.1	416.0	143.1	146.4	149.8	183.0	276.2	249.6	223.0	209.7	209.7
82.5°	246.3	156.4	119.8	119.8	119.8	149.8	229.6	209.7	193.0	183.0	166.4
85°	86.5	86.5	103.2	106.5	96.5	109.8	189.7	179.7	159.7	133.1	129.8
87.5°	33.3	49.9	69.9	83.2	59.9	76.5	136.4	126.5	116.5	86.5	83.2
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)