

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: P180211

Luminaire Tested: **ICM-F06-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180211
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-5XQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12367.8 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

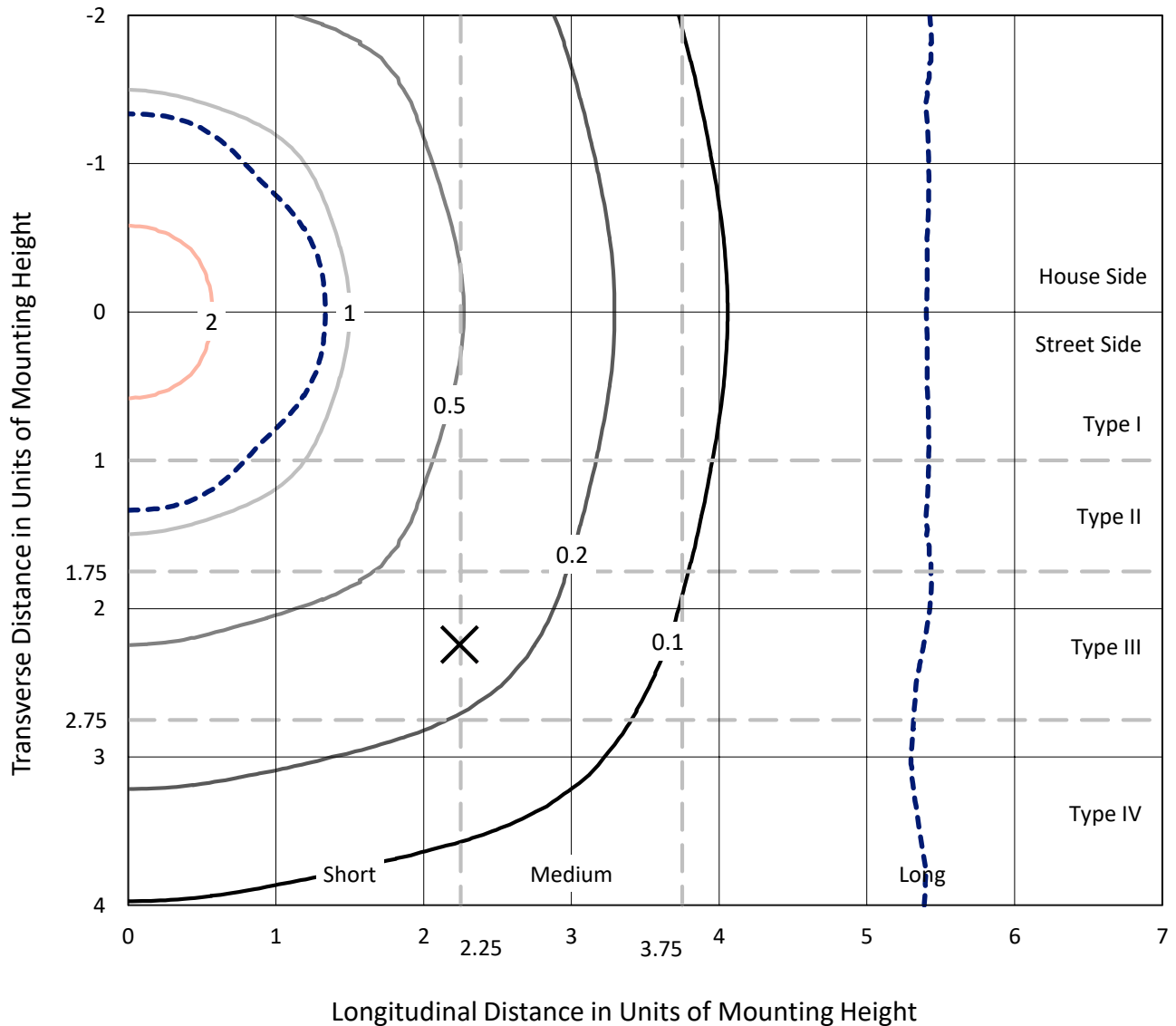
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

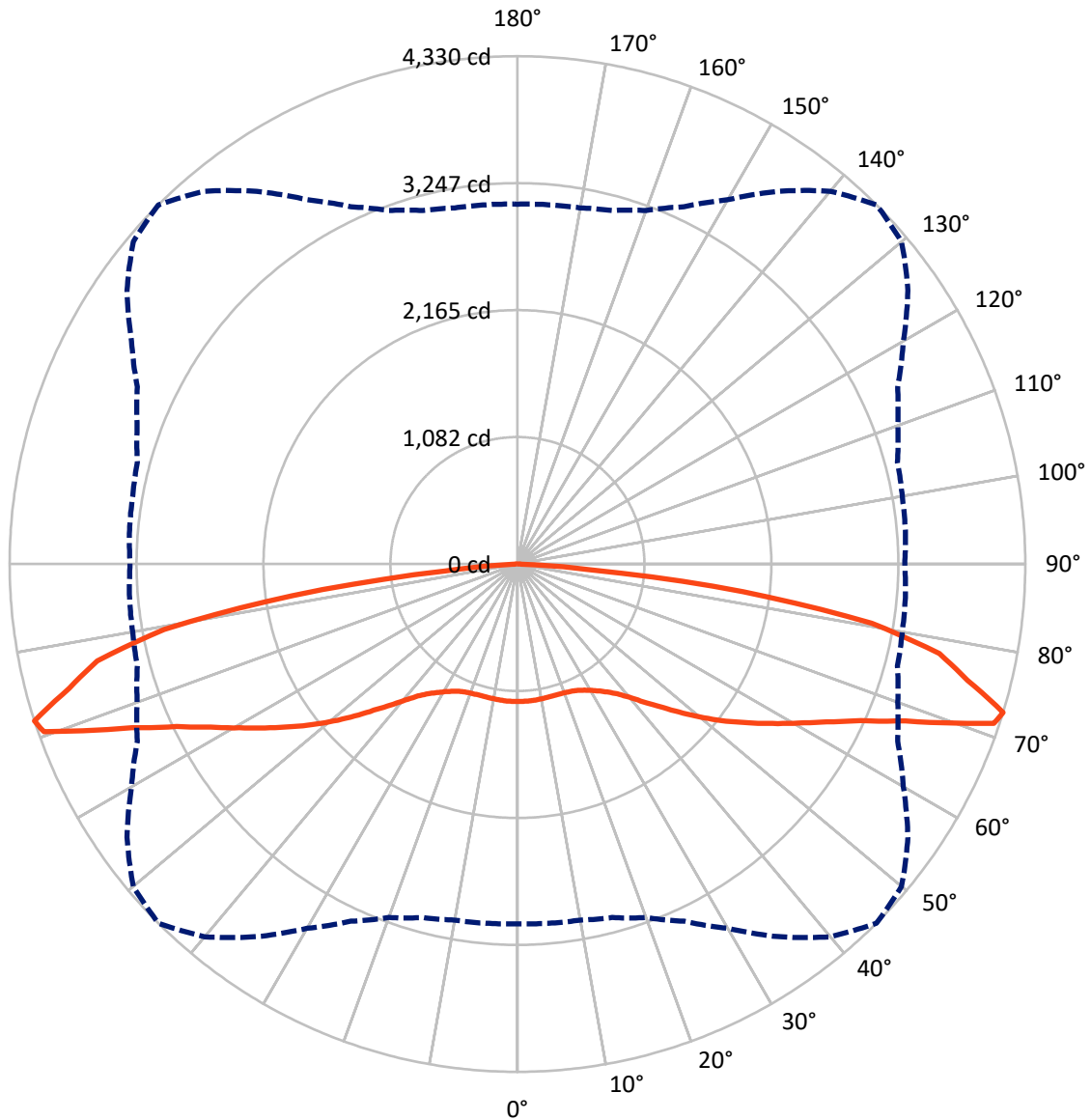
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6183.9	0.0	6183.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6183.9	0.0	6183.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12367.8	0.0	12367.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	0.9
10°-20°	330.4	2.7
20°-30°	553.2	4.5
30°-40°	843.4	6.8
40°-50°	1346.7	10.9
50°-60°	2070.6	16.7
60°-70°	3014.8	24.4
70°-80°	3396.1	27.5
80°-90°	701.1	5.7
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°	12367.8	100.0
0°-180°	12367.8	100.0



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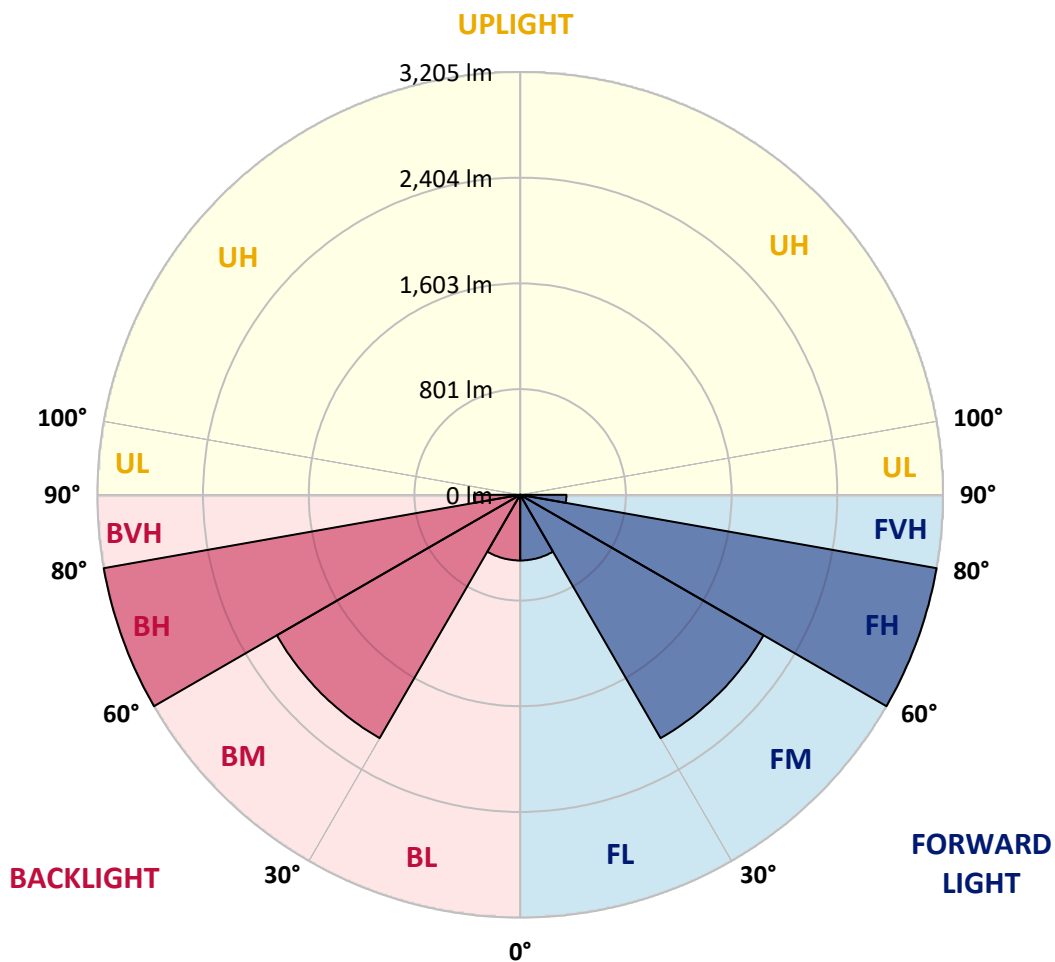
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.6	4.0			
FM	(30°-60°)	2130.3	17.2			
FH	(60°-80°)	3205.4	25.9			G2/5000
FVH	(80°-90°)	350.5	2.8			G3/500
BL	(0°-30°)	497.6	4.0	B1/500		
BM	(30°-60°)	2130.3	17.2	B2/2500		
BH	(60°-80°)	3205.4	25.9	B4/5000		G2/5000
BVH	(80°-90°)	350.5	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8
2.5°	1173.8	1174.3	1174.1	1173.4	1173.8	1173.4	1172.8	1172.5	1170.2	1171.5	1173.4
5°	1173.8	1173.1	1172.8	1172.5	1172.5	1173.4	1172.5	1171.5	1171.2	1171.8	1170.9
7.5°	1173.0	1171.8	1171.2	1170.9	1171.2	1171.5	1170.5	1169.2	1170.2	1169.2	1167.9
10°	1171.2	1170.2	1170.5	1169.2	1169.6	1169.2	1167.9	1167.0	1167.6	1166.6	1165.0
12.5°	1171.8	1170.2	1169.9	1169.2	1168.9	1168.6	1167.0	1165.4	1165.7	1165.0	1163.4
15°	1171.8	1170.9	1170.5	1169.2	1168.9	1168.3	1166.3	1165.7	1165.7	1164.7	1162.7
17.5°	1172.5	1171.8	1171.8	1170.2	1169.6	1169.2	1167.0	1166.0	1167.0	1165.0	1163.7
20°	1174.3	1173.8	1174.1	1173.1	1171.8	1171.8	1170.1	1169.6	1169.9	1169.6	1166.0
22.5°	1178.2	1178.2	1179.0	1178.6	1178.2	1178.6	1177.3	1177.3	1177.7	1177.6	1174.7
25°	1189.3	1188.9	1189.7	1189.6	1190.0	1192.2	1191.3	1190.9	1192.6	1192.6	1189.7
27.5°	1210.1	1209.4	1210.1	1210.7	1212.3	1215.3	1214.6	1215.6	1218.1	1217.5	1214.9
30°	1234.1	1233.4	1235.0	1236.9	1238.2	1242.8	1240.8	1245.7	1248.0	1249.9	1248.0
32.5°	1269.0	1269.0	1271.9	1273.2	1276.2	1280.8	1281.3	1285.2	1288.2	1291.4	1289.1
35°	1315.7	1315.1	1317.3	1319.6	1323.2	1327.4	1328.9	1334.1	1338.7	1340.9	1336.8
37.5°	1387.0	1383.5	1387.6	1388.9	1391.8	1392.8	1397.4	1403.8	1408.8	1408.1	1405.1
40°	1483.5	1482.9	1481.3	1479.4	1483.9	1485.5	1485.5	1494.2	1502.1	1500.8	1500.4
42.5°	1596.4	1593.4	1591.5	1591.5	1594.1	1594.7	1604.8	1611.3	1616.8	1618.1	1616.8
45°	1717.6	1714.6	1715.3	1714.0	1715.0	1719.2	1725.0	1737.0	1747.4	1747.6	1742.2
47.5°	1847.8	1838.7	1845.9	1835.8	1842.0	1845.2	1859.7	1877.3	1895.5	1898.7	1893.8
50°	1980.1	1979.1	1978.4	1976.5	1979.4	1986.5	2004.3	2031.9	2049.4	2061.0	2053.3
52.5°	2124.6	2119.7	2117.4	2114.2	2117.1	2131.1	2156.0	2180.0	2211.4	2224.8	2214.0
55°	2265.2	2263.6	2255.2	2254.9	2260.9	2282.7	2310.0	2339.5	2373.5	2388.4	2384.5
57.5°	2409.7	2400.4	2397.8	2393.9	2406.2	2426.6	2459.9	2513.1	2548.5	2565.3	2555.6
60°	2551.1	2543.9	2538.4	2537.1	2545.5	2574.1	2622.0	2685.9	2729.6	2751.6	2736.1
62.5°	2702.7	2698.2	2691.7	2684.2	2702.1	2738.6	2798.2	2868.9	2933.4	2960.7	2936.9
65°	2891.3	2881.9	2874.8	2865.3	2880.0	2926.0	3000.9	3100.3	3186.8	3218.6	3201.8
67.5°	3090.3	3081.5	3082.2	3076.3	3102.3	3166.2	3262.7	3397.8	3513.9	3567.9	3536.2
70°	3264.0	3268.9	3270.2	3293.8	3338.5	3435.7	3596.5	3808.1	3984.0	4066.7	4032.7
71°	3212.8	3223.5	3240.0	3264.7	3341.8	3456.8	3676.2	3932.5	4142.5	4282.5	4235.6
72.5°	3067.6	3074.1	3082.5	3120.1	3207.3	3359.6	3585.5	3878.4	4148.3	4329.5	4275.0
75°	2857.6	2863.7	2866.7	2892.9	2972.3	3105.2	3311.9	3571.8	3810.1	3964.3	3949.0
77.5°	2540.7	2541.6	2564.3	2604.9	2694.0	2846.0	3063.7	3333.3	3557.2	3677.1	3601.0
80°	1824.5	1812.2	1835.5	1887.6	1997.9	2172.2	2395.2	2703.0	2951.6	3063.7	2945.7
82.5°	694.1	731.7	791.1	877.2	914.5	1108.3	1316.4	1497.1	1706.5	1940.5	1881.9
85°	74.5	83.9	105.3	130.6	164.9	228.1	315.3	430.3	530.5	623.5	553.5
87.5°	27.9	28.6	31.7	36.7	37.2	38.9	41.5	48.3	45.0	38.9	31.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8	1171.8
2.5°	1171.8	1172.1	1171.8	1172.1	1172.1	1170.8	1171.2	1170.5
5°	1171.5	1170.5	1170.8	1171.2	1170.8	1171.5	1170.5	1171.2
7.5°	1169.9	1167.9	1168.6	1168.6	1167.9	1168.9	1168.2	1167.9
10°	1166.6	1164.1	1165.4	1164.8	1164.4	1164.7	1164.7	1164.7
12.5°	1163.7	1162.1	1162.4	1162.1	1161.8	1162.8	1162.4	1162.8
15°	1163.1	1160.5	1160.2	1159.4	1159.8	1160.5	1160.5	1161.5
17.5°	1162.4	1159.2	1158.9	1158.1	1158.5	1159.8	1160.2	1159.4
20°	1164.4	1161.8	1161.1	1160.5	1160.1	1161.8	1161.5	1161.5
22.5°	1173.4	1170.1	1169.9	1167.3	1166.3	1167.3	1166.6	1166.7
25°	1188.0	1184.2	1182.9	1179.3	1176.7	1176.7	1175.7	1175.1
27.5°	1214.3	1208.5	1207.1	1204.2	1200.7	1201.3	1199.4	1199.0
30°	1244.8	1239.5	1235.0	1230.8	1226.6	1224.9	1222.7	1222.3
32.5°	1284.6	1278.8	1273.3	1268.1	1262.2	1259.9	1256.1	1254.1
35°	1333.6	1325.8	1319.3	1315.7	1309.9	1307.0	1304.4	1307.3
37.5°	1401.9	1392.5	1389.2	1385.0	1381.2	1376.7	1377.6	1376.6
40°	1496.6	1488.1	1484.8	1477.4	1476.5	1471.3	1474.4	1471.3
42.5°	1613.5	1598.0	1595.7	1589.9	1587.9	1585.0	1586.2	1584.0
45°	1740.8	1727.0	1724.3	1715.0	1715.4	1708.5	1711.1	1711.1
47.5°	1884.1	1869.5	1857.5	1850.8	1848.2	1843.9	1846.2	1845.9
50°	2031.9	2012.1	1998.8	1985.5	1979.7	1981.3	1976.8	1984.6
52.5°	2190.7	2161.2	2142.3	2129.7	2118.7	2121.0	2121.6	2123.9
55°	2355.0	2317.4	2290.2	2273.7	2263.6	2264.3	2267.2	2269.8
57.5°	2520.3	2473.3	2436.3	2411.6	2405.2	2408.1	2408.1	2407.8
60°	2691.6	2635.3	2587.6	2559.8	2554.0	2552.4	2565.0	2560.8
62.5°	2875.7	2808.0	2758.7	2723.1	2714.6	2720.5	2731.9	2729.3
65°	3119.7	3026.1	2962.6	2927.4	2912.9	2918.9	2934.1	2933.4
67.5°	3434.4	3303.6	3219.6	3174.2	3163.8	3171.0	3179.4	3187.6
70°	3905.0	3718.0	3598.1	3499.9	3457.8	3449.7	3458.1	3458.4
71°	4070.5	3855.7	3664.9	3545.0	3475.9	3446.7	3449.0	3434.4
72.5°	4063.7	3799.0	3575.7	3450.3	3354.4	3331.1	3319.7	3302.2
75°	3790.0	3551.5	3357.7	3220.9	3128.6	3101.0	3080.9	3079.9
77.5°	3437.0	3261.0	3047.5	2902.7	2790.2	2744.5	2724.1	2723.4
80°	2763.0	2499.6	2343.3	2256.2	2120.4	2081.1	2039.6	2024.1
82.5°	1670.9	1305.7	1061.6	943.4	878.0	723.0	648.7	613.8
85°	389.2	276.5	190.5	125.1	90.0	71.6	55.1	48.7
87.5°	26.2	20.7	18.5	14.9	11.3	11.0	6.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)