

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: McGRAW-EDISON

Report Number: P200105

Luminaire Tested: **GWC-AF-01-LED-E1-RW-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-RW-1200
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7292.6 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

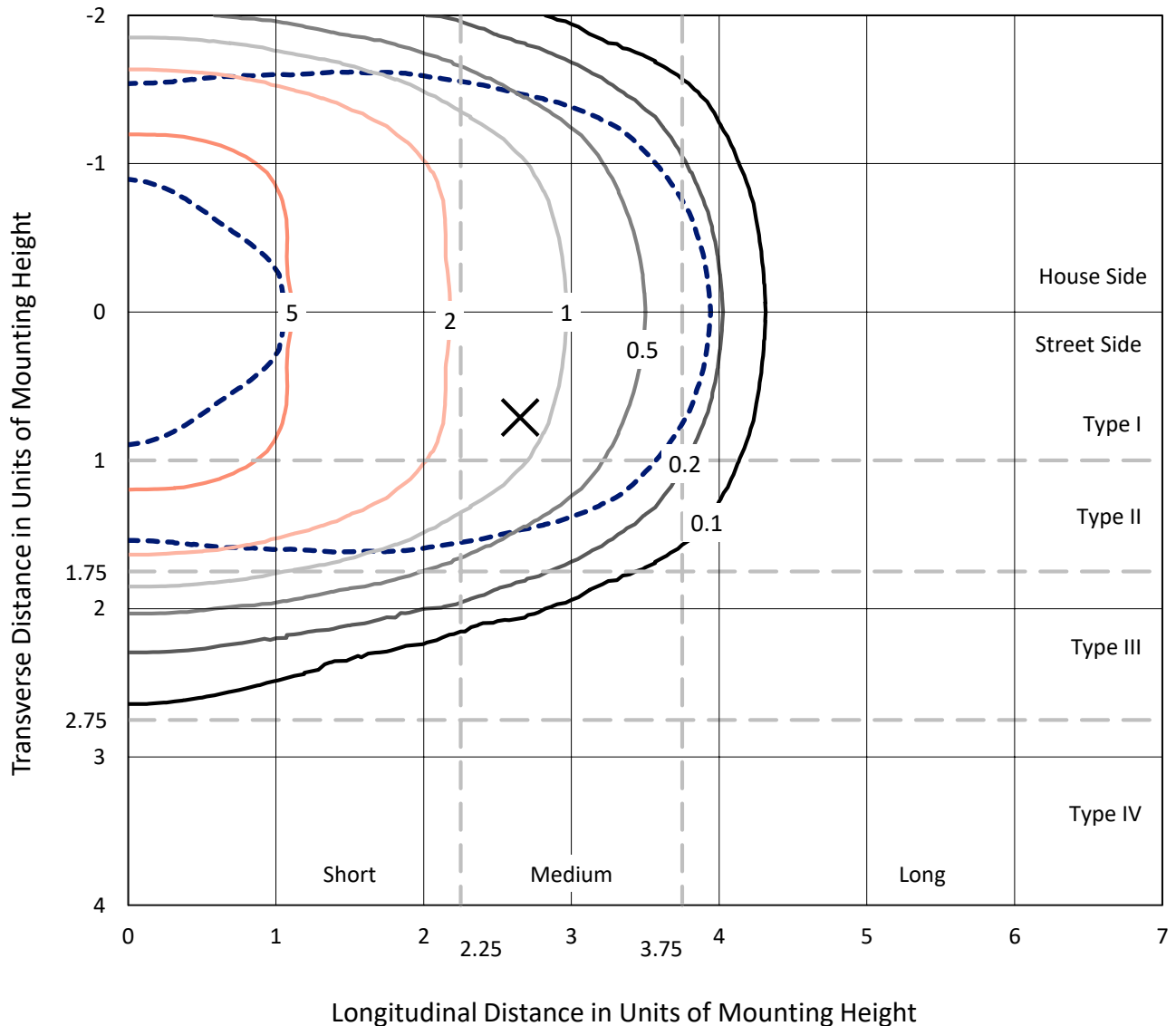
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200105
 CATALOG NUMBER: GWC-AF-01-LED-E1-RW-1200

Iso-Footcandle Lines of Horizontal Illumination

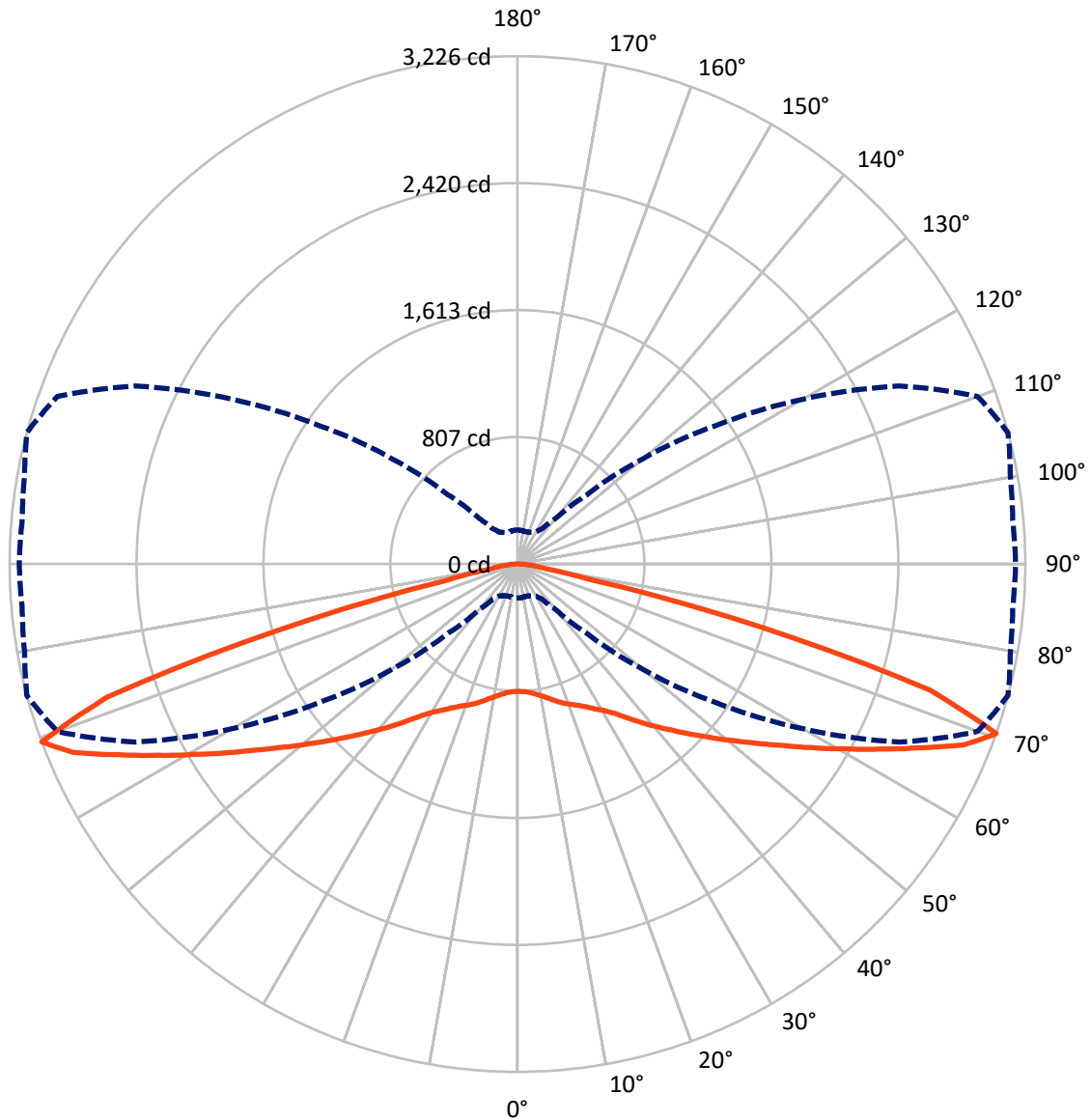
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P200105
CATALOG NUMBER: GWC-AF-01-LED-E1-RW-1200

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GWC-AF-01-LED-E1-RW-1200

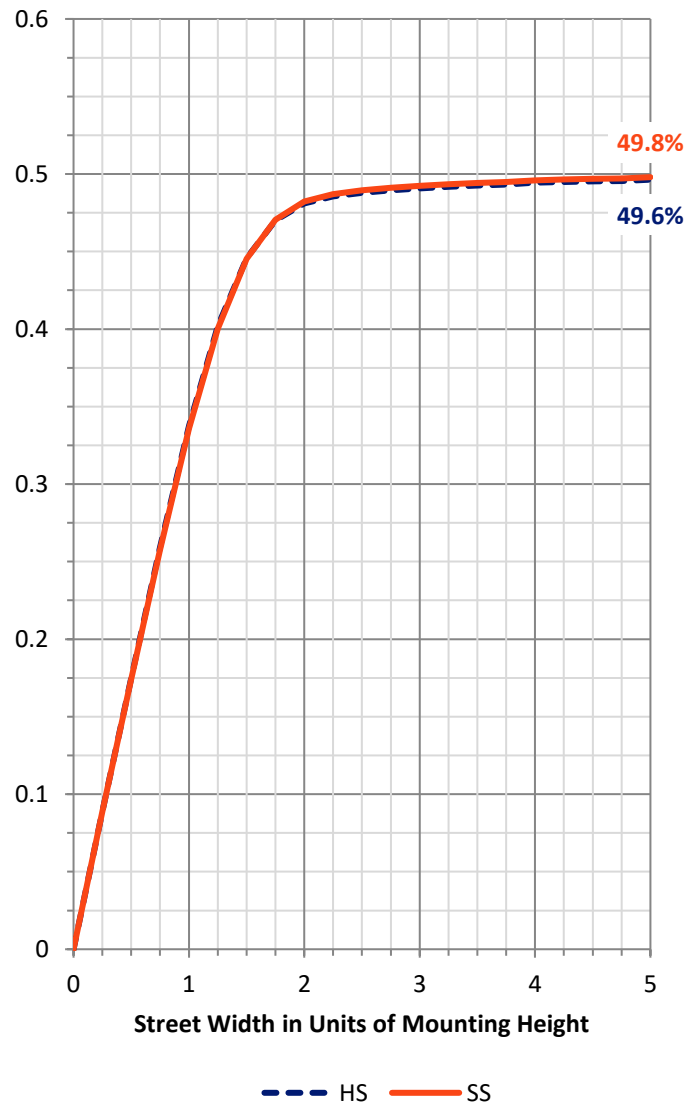
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.3	0.0	3646.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3646.3	0.0	3646.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7292.6	0.0	7292.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.1
10°-20°	241.1	3.3
20°-30°	453.7	6.2
30°-40°	803.4	11.0
40°-50°	1343.6	18.4
50°-60°	1872.3	25.7
60°-70°	1736.3	23.8
70°-80°	692.0	9.5
80°-90°	72.7	1.0
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°	7292.6	100.0
0°-180°	7292.6	100.0



REPORT NUMBER: P200105

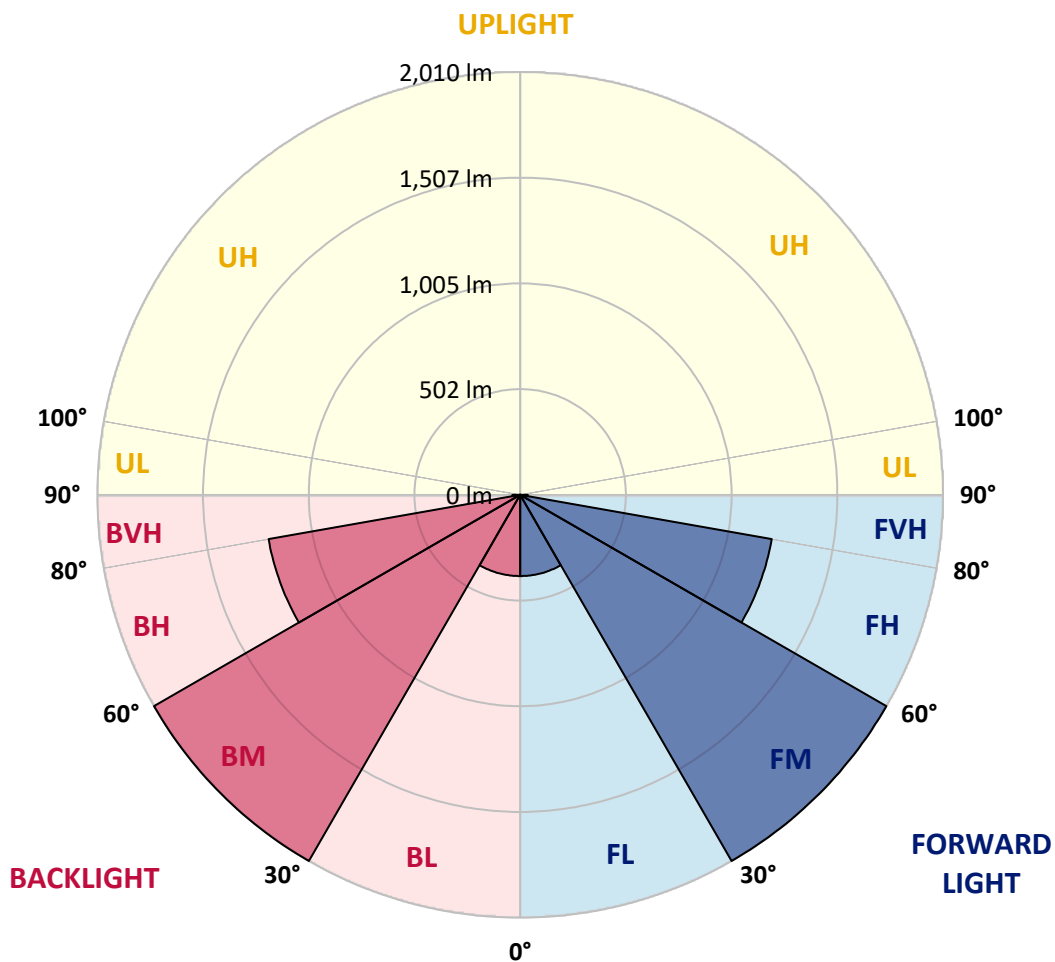
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.2	5.3			
FM	(30°-60°)	2009.7	27.6			
FH	(60°-80°)	1214.1	16.6			G1/1800
FVH	(80°-90°)	36.4	0.5			G1/100
BL	(0°-30°)	386.2	5.3	B1/500		
BM	(30°-60°)	2009.7	27.6	B2/2500		
BH	(60°-80°)	1214.1	16.6	B3/2500		G3/2500
BVH	(80°-90°)	36.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





REPORT NUMBER: P200105
 CATALOG NUMBER: GWC-AF-01-LED-E1-RW-1200

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	808.9	808.9	808.9	808.9	808.9	808.9	808.9	808.9	808.9	808.9	808.9
2.5°	807.5	806.9	807.5	807.2	807.9	807.9	808.5	810.0	810.0	811.0	810.7
5°	799.6	799.2	800.3	801.4	802.4	804.4	806.5	809.6	812.0	813.8	815.5
7.5°	784.1	784.1	785.5	787.9	790.3	794.8	799.6	805.8	812.0	817.2	821.6
10°	771.3	772.0	773.8	777.9	782.0	788.9	795.4	804.4	813.0	821.6	828.6
12.5°	763.7	764.8	767.9	774.1	781.0	790.3	800.3	811.7	821.3	831.7	838.5
15°	766.2	766.9	771.3	779.0	787.9	799.6	813.0	826.5	837.9	848.9	858.3
17.5°	779.6	780.6	785.8	794.4	803.7	817.5	832.0	847.2	861.3	873.7	885.1
20°	803.7	804.8	811.3	820.6	831.7	845.8	860.3	876.2	892.0	905.1	917.8
22.5°	837.9	839.6	845.8	855.1	867.6	882.7	899.9	916.8	932.0	944.0	955.4
25°	882.7	886.5	892.3	902.7	915.7	929.6	948.2	965.4	979.9	991.2	999.5
27.5°	946.1	951.2	955.7	965.8	978.5	991.5	1010.2	1025.4	1039.1	1050.2	1056.4
30°	1030.2	1035.3	1039.8	1049.4	1061.2	1073.6	1091.2	1104.7	1113.3	1121.9	1121.6
32.5°	1132.2	1137.7	1139.5	1149.8	1161.9	1175.3	1191.1	1198.7	1205.6	1206.7	1200.4
35°	1246.3	1249.0	1256.0	1269.7	1283.5	1294.5	1309.7	1313.5	1313.5	1308.4	1294.5
37.5°	1371.4	1373.1	1382.8	1398.3	1412.4	1423.8	1434.2	1441.7	1438.0	1426.9	1403.8
40°	1508.5	1511.7	1525.4	1539.2	1555.1	1565.8	1576.8	1578.2	1574.4	1558.3	1526.9
42.5°	1639.6	1642.3	1656.1	1677.8	1698.5	1713.3	1723.7	1725.7	1713.6	1698.8	1659.8
45°	1752.2	1759.5	1777.4	1803.0	1832.9	1853.9	1868.1	1873.9	1863.2	1844.0	1798.8
47.5°	1841.5	1848.8	1874.3	1904.6	1941.9	1975.9	1999.4	2011.8	2009.1	1994.5	1945.2
50°	1907.0	1913.9	1941.5	1978.7	2022.2	2064.5	2104.5	2134.2	2144.5	2138.0	2092.8
52.5°	1914.6	1926.0	1958.3	2008.4	2064.8	2122.7	2179.6	2229.9	2264.1	2269.2	2235.9
55°	1808.8	1820.1	1864.9	1939.1	2023.2	2117.6	2208.6	2293.4	2360.6	2395.0	2377.4
57.5°	1559.3	1579.5	1626.8	1713.6	1837.4	1978.7	2123.9	2274.4	2411.3	2502.5	2520.1
60°	1194.9	1219.1	1266.6	1359.0	1496.9	1665.4	1859.1	2081.8	2323.3	2528.7	2651.5
62.5°	766.5	789.3	839.2	919.5	1032.0	1214.5	1422.4	1686.7	2011.4	2335.8	2628.1
65°	393.9	406.3	432.5	481.2	568.7	705.2	891.6	1155.3	1526.5	1926.6	2349.2
67.5°	249.5	252.0	257.8	264.7	287.1	334.3	421.1	585.5	891.0	1308.4	1803.0
70°	215.7	215.7	213.0	212.0	214.7	221.3	234.7	272.9	376.0	621.0	1039.8
72.5°	197.5	195.4	190.6	186.8	186.1	186.1	188.8	194.8	211.2	253.0	407.0
75°	182.0	176.2	169.6	165.1	163.4	161.6	161.3	162.3	165.8	172.4	194.4
77.5°	163.1	155.5	147.8	143.4	141.3	138.9	136.9	134.4	132.7	134.7	144.4
80°	140.2	131.7	125.8	123.1	121.0	117.5	113.0	108.9	105.2	104.4	110.3
82.5°	113.0	103.0	103.4	104.4	100.7	95.9	90.9	86.5	80.0	76.5	80.0
85°	91.3	86.1	83.8	90.3	84.8	77.5	70.0	62.0	51.7	43.5	47.3
87.5°	35.5	35.5	53.1	81.7	73.4	59.9	51.4	43.8	27.2	21.1	21.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200105

CATALOG NUMBER: GWC-AF-01-LED-E1-RW-1200

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	808.9	808.9	808.9	808.9	808.9	808.9	808.9	808.9
2.5°	810.3	811.0	810.7	810.3	810.3	810.0	810.3	810.3
5°	816.5	818.3	818.3	818.9	818.9	819.3	819.6	819.3
7.5°	825.8	828.9	830.9	833.4	833.7	834.1	834.7	834.1
10°	835.1	841.3	845.8	850.3	852.3	853.0	853.8	853.8
12.5°	846.8	855.5	863.4	871.3	875.1	877.2	877.2	878.5
15°	866.1	874.7	884.0	894.8	901.3	904.7	905.7	905.7
17.5°	893.3	900.9	908.9	919.2	927.5	932.0	933.0	932.6
20°	925.1	932.3	936.8	943.4	950.6	955.7	957.2	957.2
22.5°	961.3	965.4	966.1	968.1	974.1	980.9	984.0	984.7
25°	1001.3	1002.3	999.5	999.5	1003.3	1009.9	1012.9	1013.3
27.5°	1052.9	1047.8	1040.9	1038.5	1040.9	1048.4	1052.2	1053.6
30°	1117.4	1105.0	1089.1	1080.5	1079.1	1089.1	1096.0	1097.0
32.5°	1191.1	1173.2	1152.3	1134.7	1130.2	1136.4	1144.6	1144.3
35°	1278.7	1257.3	1231.8	1209.4	1199.1	1205.2	1217.0	1218.3
37.5°	1379.7	1351.7	1322.5	1294.2	1278.0	1279.7	1292.1	1296.3
40°	1492.4	1456.2	1419.3	1381.4	1358.3	1353.9	1369.0	1371.4
42.5°	1613.0	1566.4	1520.0	1473.0	1443.5	1436.5	1454.1	1453.1
45°	1741.6	1682.3	1627.8	1576.2	1541.0	1530.6	1545.2	1545.2
47.5°	1879.8	1806.7	1741.9	1683.4	1645.1	1630.3	1644.1	1645.1
50°	2026.3	1948.7	1872.5	1807.5	1761.5	1742.6	1760.5	1763.3
52.5°	2172.0	2096.5	2019.7	1945.2	1889.8	1866.7	1887.3	1896.3
55°	2320.0	2245.8	2172.4	2099.7	2033.8	2006.6	2028.7	2040.1
57.5°	2476.1	2407.4	2337.5	2264.1	2200.7	2158.2	2181.7	2196.9
60°	2659.1	2600.4	2527.7	2446.8	2382.7	2339.6	2353.0	2366.5
62.5°	2803.8	2826.6	2764.8	2671.1	2588.8	2533.6	2546.7	2560.9
65°	2733.8	2967.2	3022.0	2927.2	2813.1	2727.3	2721.8	2729.0
67.5°	2285.1	2738.3	3068.9	3159.2	3063.7	2944.5	2922.4	2933.1
70°	1528.6	2093.2	2676.3	3110.6	3226.1	3179.8	3158.2	3164.7
72.5°	734.2	1219.1	1815.6	2393.0	2744.6	2905.8	2957.6	2982.7
75°	268.5	483.9	875.1	1318.7	1592.0	1842.9	2006.6	2073.5
77.5°	162.0	195.4	279.5	420.8	476.7	533.6	511.5	522.5
80°	120.0	135.4	153.3	172.4	178.5	178.5	171.7	166.1
82.5°	84.1	94.1	102.7	113.0	115.8	110.7	90.9	72.4
85°	54.1	58.6	62.4	68.9	67.2	64.1	43.1	38.3
87.5°	24.9	28.2	29.7	32.7	31.4	30.0	21.4	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)