

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: P199940

Luminaire Tested: **GWC-AF-02-LED-E1-RW-7030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199940  
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-02-LED-E1-RW-7030-600  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8091.8 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 66  
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

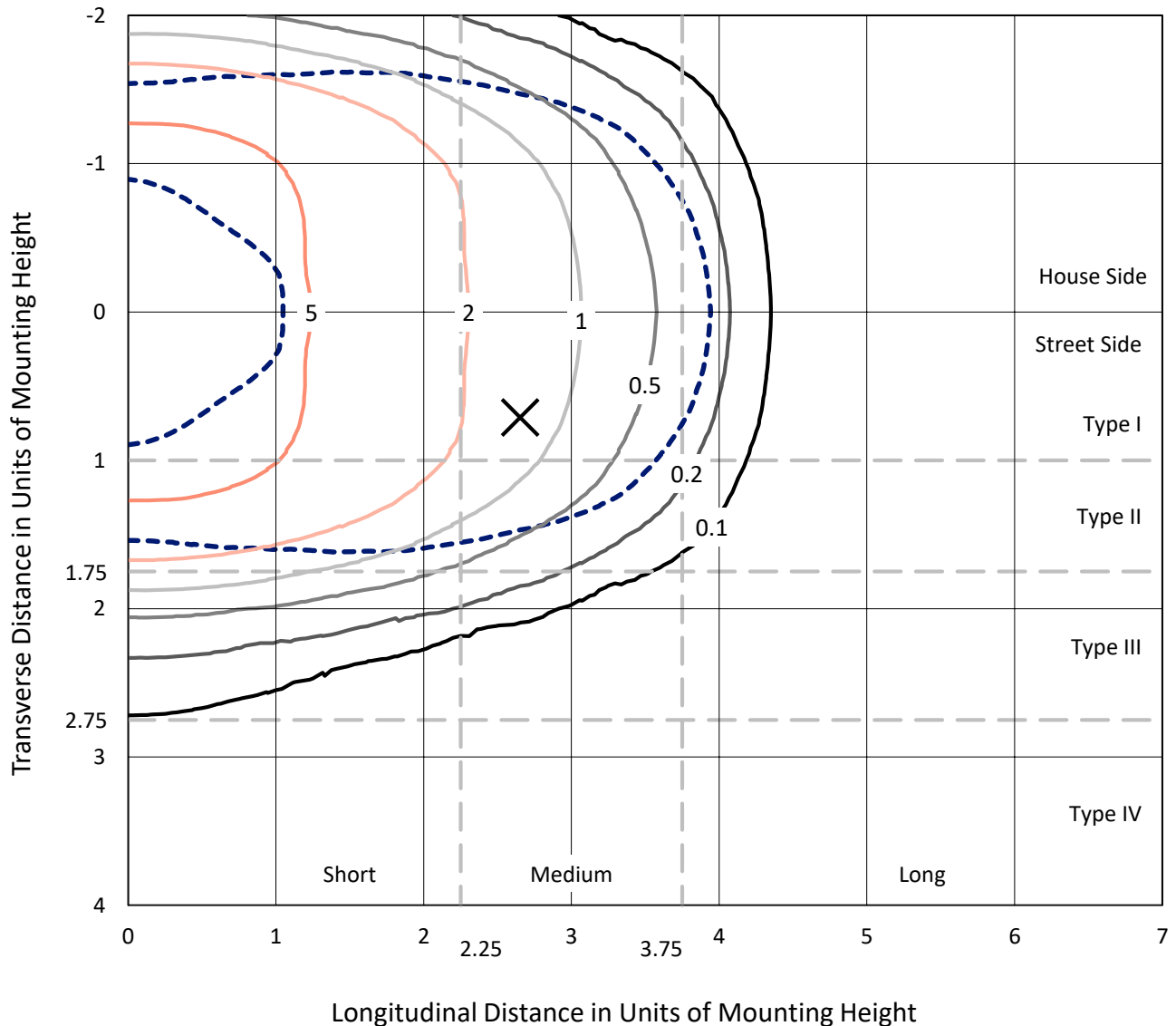


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### Iso-Footcandle Lines of Horizontal Illumination

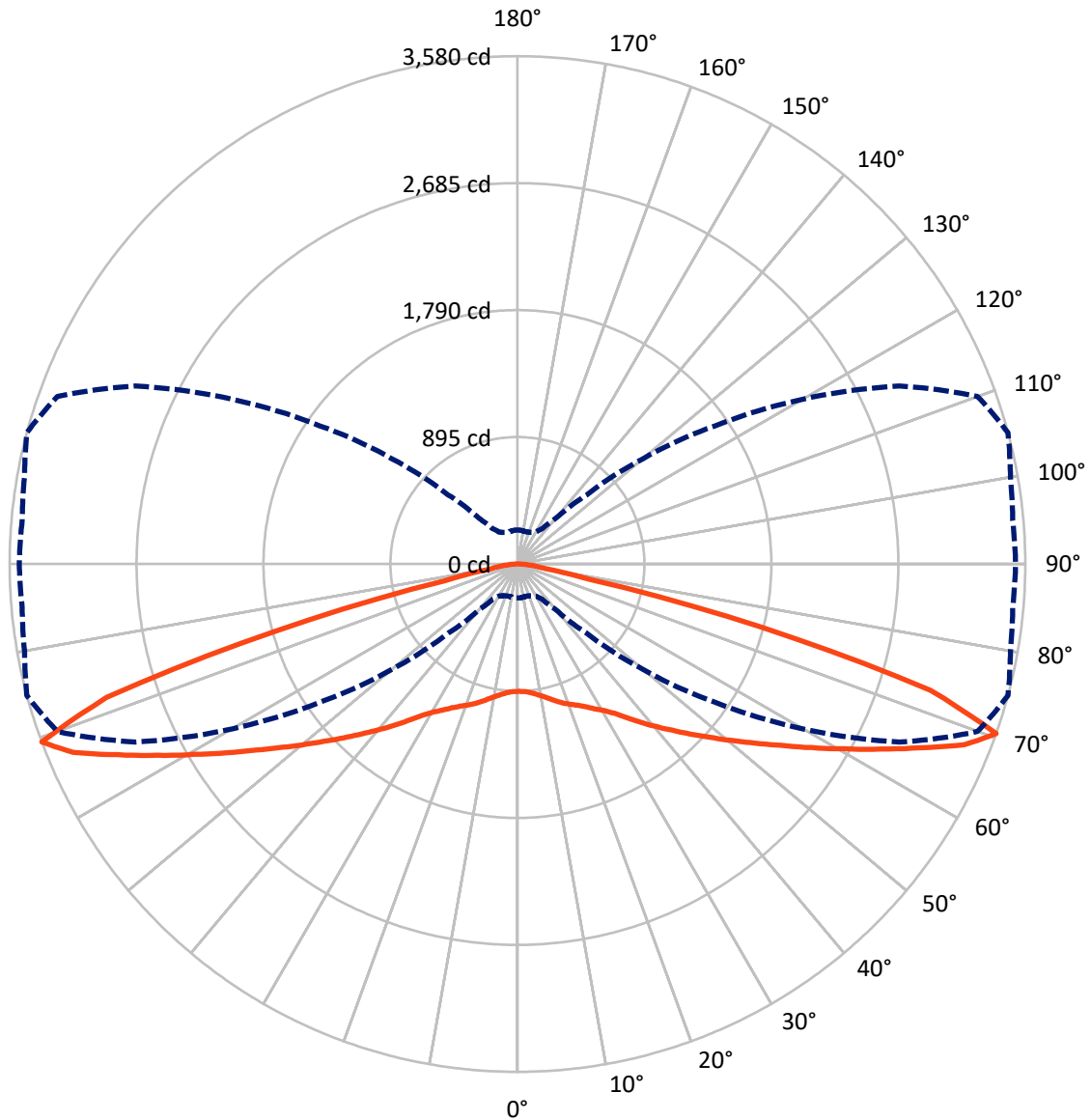
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



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

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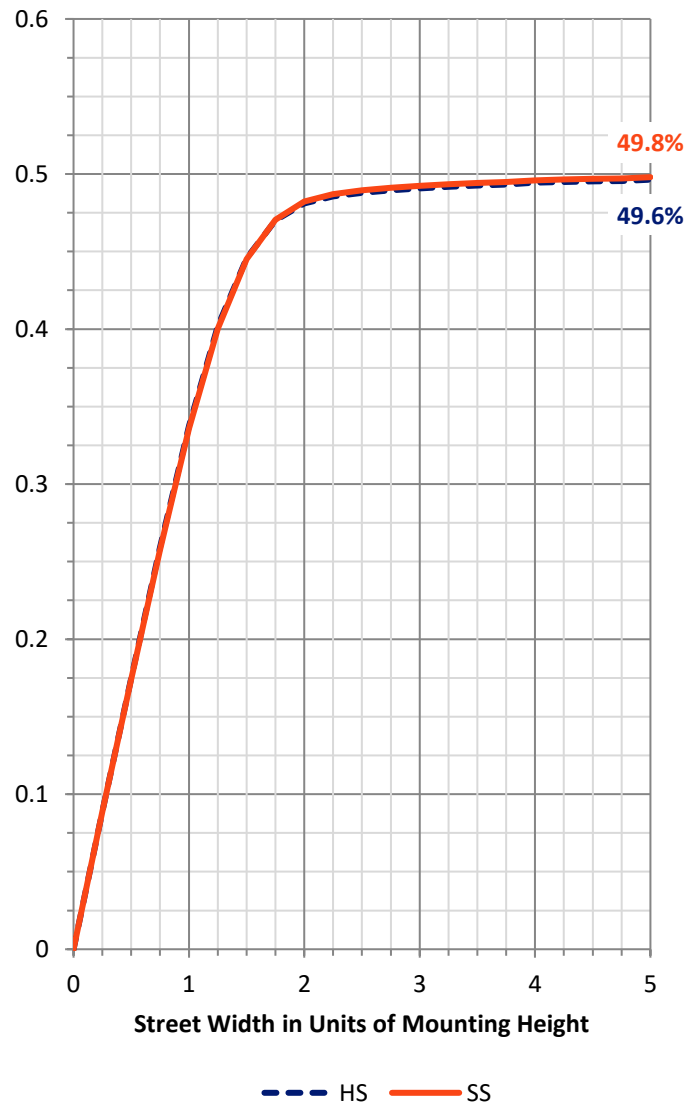
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4045.9	0.0	4045.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4045.9	0.0	4045.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8091.8	0.0	8091.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	1.1
10°-20°	267.5	3.3
20°-30°	503.4	6.2
30°-40°	891.5	11.0
40°-50°	1490.8	18.4
50°-60°	2077.5	25.7
60°-70°	1926.5	23.8
70°-80°	767.8	9.5
80°-90°	80.7	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°	8091.8	100.0
0°-180°	8091.8	100.0



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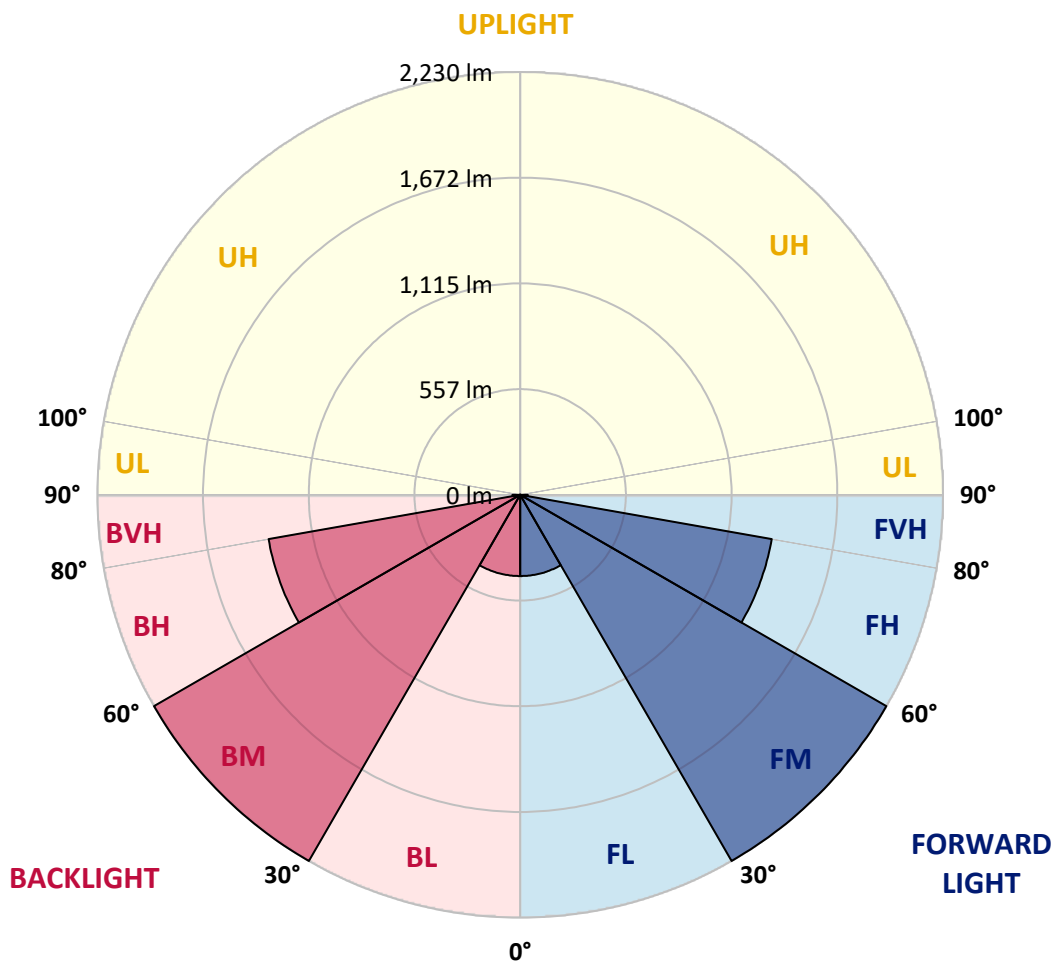
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.5	5.3			
FM	(30°-60°)	2229.9	27.6			
FH	(60°-80°)	1347.1	16.6			G1/1800
FVH	(80°-90°)	40.4	0.5			G1/100
BL	(0°-30°)	428.5	5.3	B1/500		
BM	(30°-60°)	2229.9	27.6	B2/2500		
BH	(60°-80°)	1347.1	16.6	B3/2500		G3/2500
BVH	(80°-90°)	40.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	897.6	897.6	897.6	897.6	897.6	897.6	897.6	897.6	897.6	897.6	897.6
2.5°	896.0	895.3	896.0	895.6	896.4	896.4	897.1	898.6	898.6	899.9	899.4
5°	887.1	886.8	888.0	889.2	890.3	892.5	894.9	898.3	901.0	902.9	904.7
7.5°	870.0	870.0	871.6	874.2	877.0	881.8	887.1	894.1	901.0	906.8	911.7
10°	855.8	856.6	858.6	863.1	867.7	875.3	882.6	892.5	902.2	911.7	919.3
12.5°	847.5	848.6	852.0	858.9	866.5	877.0	888.0	900.7	911.3	922.8	930.5
15°	850.1	850.9	855.8	864.2	874.2	887.1	902.2	917.0	929.7	942.0	952.3
17.5°	865.0	866.2	871.9	881.5	891.8	907.1	923.1	940.0	955.7	969.4	982.1
20°	891.8	892.9	900.2	910.5	922.8	938.5	954.6	972.2	989.8	1004.3	1018.4
22.5°	929.7	931.6	938.5	948.8	962.6	979.4	998.5	1017.3	1034.1	1047.5	1060.2
25°	979.4	983.7	990.1	1001.6	1016.1	1031.4	1052.0	1071.2	1087.2	1099.9	1109.1
27.5°	1049.8	1055.6	1060.5	1071.7	1085.7	1100.2	1120.9	1137.7	1153.0	1165.2	1172.2
30°	1143.1	1148.9	1153.8	1164.4	1177.5	1191.3	1210.8	1225.7	1235.2	1244.8	1244.5
32.5°	1256.3	1262.4	1264.3	1275.8	1289.1	1304.1	1321.7	1330.1	1337.8	1338.9	1332.0
35°	1382.9	1386.0	1393.6	1408.9	1424.2	1436.4	1453.2	1457.4	1457.4	1451.7	1436.4
37.5°	1521.7	1523.6	1534.3	1551.5	1567.3	1579.8	1591.3	1599.7	1595.5	1583.2	1557.6
40°	1673.9	1677.3	1692.7	1707.9	1725.5	1737.3	1749.6	1751.1	1746.9	1728.9	1694.2
42.5°	1819.1	1822.2	1837.5	1861.7	1884.6	1901.1	1912.6	1914.9	1901.4	1885.0	1841.8
45°	1944.3	1952.4	1972.2	2000.5	2033.8	2057.2	2072.7	2079.3	2067.4	2046.0	1995.9
47.5°	2043.3	2051.4	2079.6	2113.3	2154.6	2192.5	2218.5	2232.2	2229.2	2213.1	2158.4
50°	2116.1	2123.7	2154.3	2195.6	2243.7	2290.7	2335.1	2367.9	2379.4	2372.2	2322.1
52.5°	2124.4	2137.0	2172.9	2228.5	2291.1	2355.4	2418.5	2474.2	2512.2	2517.9	2480.8
55°	2007.0	2019.6	2069.4	2151.6	2244.8	2349.6	2450.5	2544.6	2619.3	2657.5	2637.9
57.5°	1730.1	1752.6	1805.1	1901.4	2038.8	2195.6	2356.5	2523.7	2675.4	2776.9	2796.3
60°	1325.9	1352.6	1405.4	1507.9	1660.8	1847.9	2062.9	2309.8	2578.0	2805.9	2942.1
62.5°	850.5	875.7	931.2	1020.4	1145.0	1347.7	1578.2	1871.6	2231.8	2591.7	2916.0
65°	437.1	450.9	479.9	533.8	631.0	782.4	989.4	1281.9	1693.7	2137.7	2606.6
67.5°	276.9	279.6	286.0	293.7	318.6	370.9	467.3	649.8	988.6	1451.7	2000.5
70°	239.4	239.4	236.3	235.2	238.3	245.5	260.5	302.8	417.3	689.1	1153.8
72.5°	219.2	216.9	211.5	207.3	206.5	206.5	209.6	216.2	234.5	280.7	451.7
75°	201.9	195.5	188.2	183.2	181.3	179.4	178.9	180.2	184.0	191.2	215.7
77.5°	181.0	172.5	164.1	159.1	156.8	154.2	151.9	149.1	147.3	149.5	160.3
80°	155.7	146.1	139.7	136.6	134.3	130.4	125.4	120.8	116.7	116.0	122.4
82.5°	125.4	114.4	114.7	116.0	111.7	106.3	100.9	96.0	88.7	84.9	88.7
85°	101.4	95.6	93.0	100.2	94.1	86.1	77.7	68.9	57.4	48.2	52.5
87.5°	39.5	39.5	58.9	90.6	81.5	66.5	57.1	48.6	30.3	23.4	23.7
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°	897.6	897.6	897.6	897.6	897.6	897.6	897.6	897.6
2.5°	899.1	899.9	899.4	899.1	899.1	898.6	899.1	899.1
5°	906.0	907.8	907.8	908.6	908.6	909.0	909.4	909.0
7.5°	916.2	919.8	922.0	924.7	925.1	925.4	926.2	925.4
10°	926.6	933.5	938.5	943.5	945.7	946.5	947.3	947.3
12.5°	939.6	949.3	957.9	966.8	971.0	973.3	973.3	974.8
15°	961.1	970.7	980.9	992.8	1000.0	1003.9	1005.0	1005.0
17.5°	991.3	999.7	1008.5	1019.9	1029.1	1034.1	1035.2	1034.9
20°	1026.5	1034.4	1039.5	1046.7	1054.8	1060.5	1062.0	1062.0
22.5°	1066.6	1071.2	1072.0	1074.2	1080.8	1088.4	1091.8	1092.6
25°	1110.9	1112.1	1109.1	1109.1	1113.3	1120.6	1124.0	1124.4
27.5°	1168.3	1162.6	1155.0	1152.2	1155.0	1163.4	1167.6	1169.1
30°	1239.9	1226.1	1208.5	1198.9	1197.4	1208.5	1216.2	1217.2
32.5°	1321.7	1301.9	1278.5	1259.0	1254.0	1260.9	1270.0	1269.7
35°	1418.8	1395.1	1366.9	1341.9	1330.4	1337.4	1350.3	1351.9
37.5°	1530.8	1499.9	1467.4	1436.0	1418.0	1420.0	1433.7	1438.3
40°	1656.0	1615.7	1574.9	1532.8	1507.1	1502.2	1519.0	1521.7
42.5°	1789.7	1738.1	1686.5	1634.5	1601.6	1594.0	1613.4	1612.3
45°	1932.5	1866.5	1806.2	1748.8	1709.8	1698.3	1714.4	1714.4
47.5°	2085.8	2004.7	1932.8	1867.8	1825.2	1808.9	1824.2	1825.2
50°	2248.3	2162.2	2077.8	2005.5	1954.6	1933.6	1953.4	1956.5
52.5°	2410.0	2326.3	2241.0	2158.4	2096.9	2071.2	2094.2	2104.2
55°	2574.1	2491.8	2410.5	2329.7	2256.8	2226.4	2251.0	2263.7
57.5°	2747.4	2671.3	2593.6	2512.2	2441.8	2394.8	2420.7	2437.6
60°	2950.4	2885.4	2804.6	2714.9	2643.7	2595.9	2610.9	2625.7
62.5°	3111.0	3136.3	3067.9	2963.8	2872.4	2811.2	2825.8	2841.5
65°	3033.5	3292.3	3353.1	3248.0	3121.4	3026.2	3020.0	3028.1
67.5°	2535.5	3038.4	3405.2	3505.4	3399.4	3267.1	3242.6	3254.5
70°	1696.0	2322.6	2969.5	3451.4	3579.6	3528.3	3504.2	3511.5
72.5°	814.5	1352.6	2014.6	2655.2	3045.3	3224.2	3281.6	3309.6
75°	297.9	536.9	971.0	1463.2	1766.4	2044.9	2226.4	2300.7
77.5°	179.7	216.9	310.2	467.0	529.0	591.9	567.5	579.7
80°	133.1	150.3	170.2	191.2	198.1	198.1	190.4	184.3
82.5°	93.3	104.5	113.9	125.4	128.5	122.8	100.9	80.3
85°	60.1	65.0	69.3	76.5	74.7	71.1	47.8	42.5
87.5°	27.6	31.3	32.9	36.4	34.9	33.4	23.7	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)