

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: P193559

Luminaire Tested: **GLEON-AF-01-LED-E1-RW-8030-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193559  
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: GLEON-AF-01-LED-E1-RW-8030-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5703 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B2 - U0 - G2

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

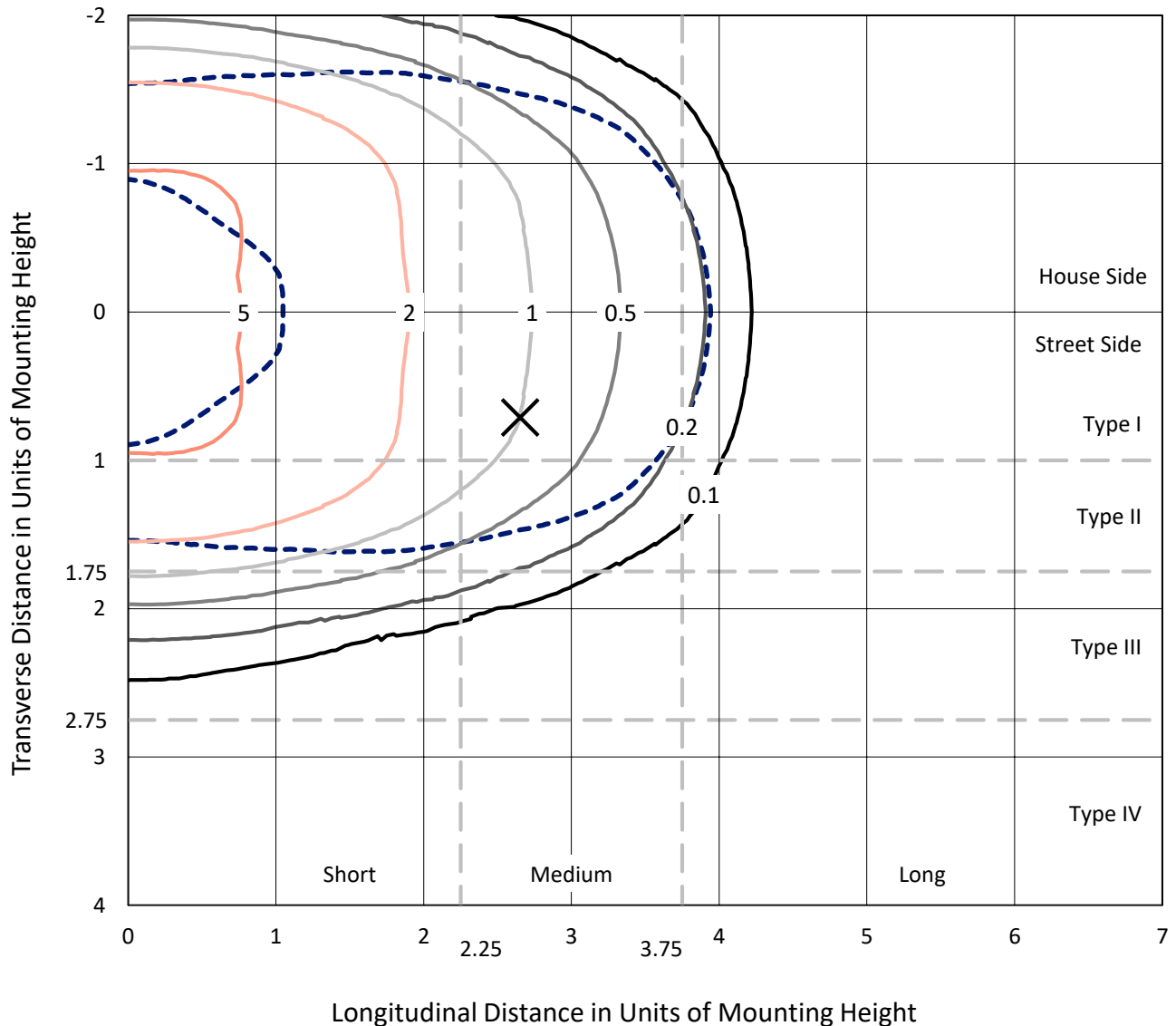


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

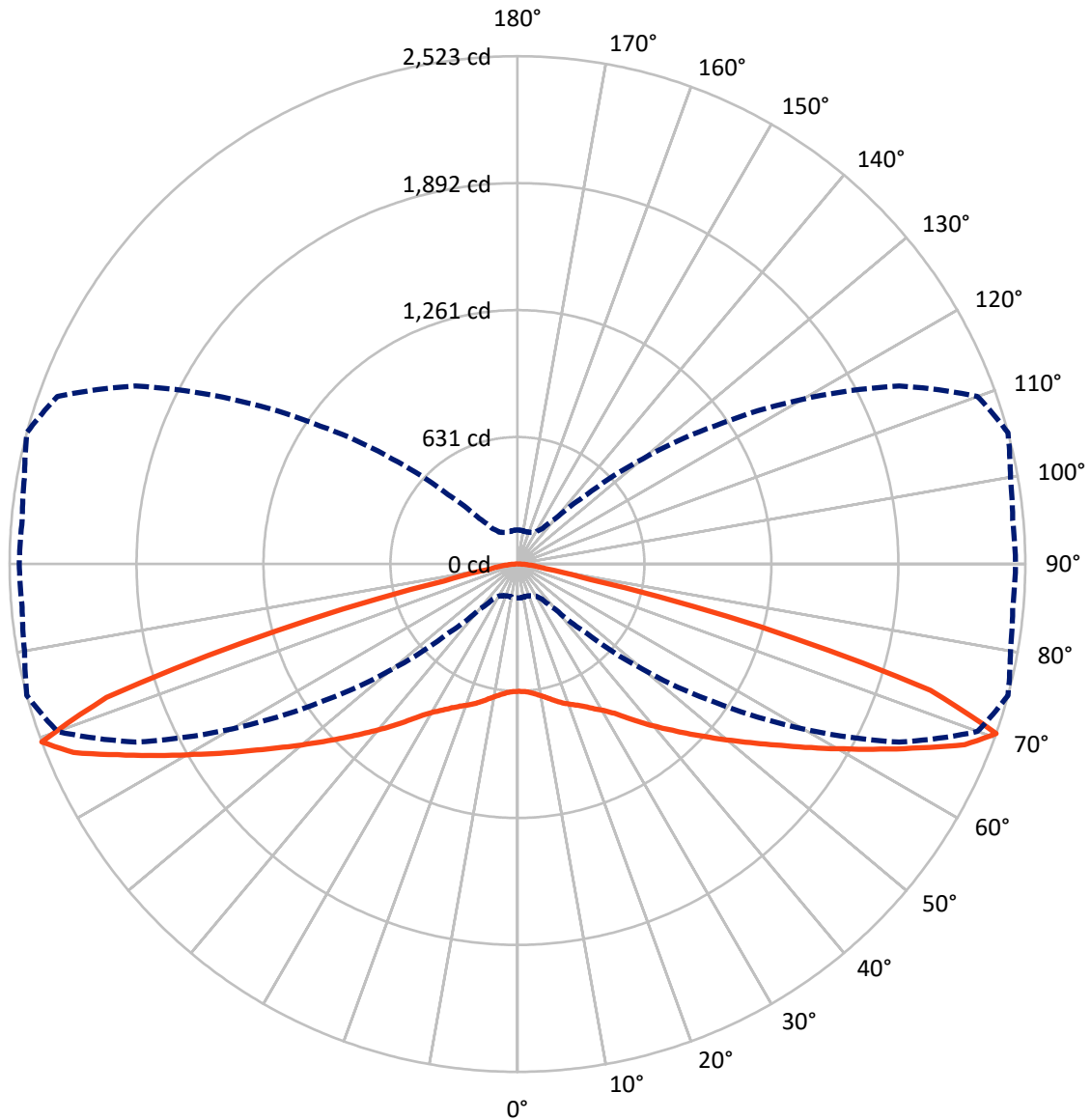


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



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

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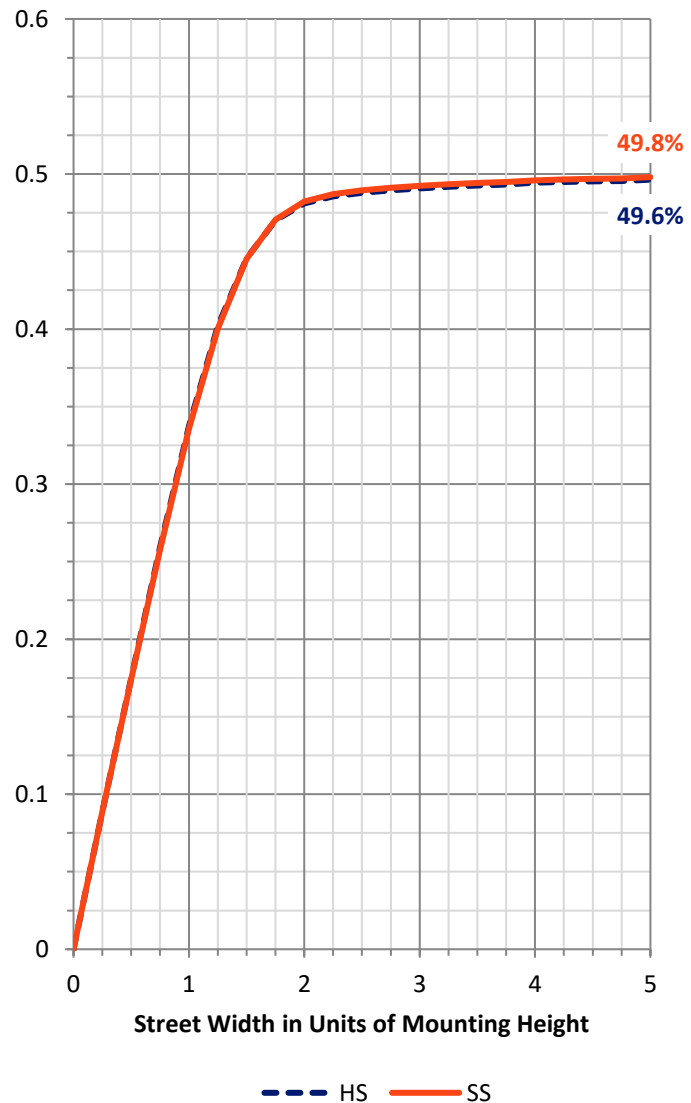
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2851.5	0.0	2851.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2851.5	0.0	2851.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5703.0	0.0	5703.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.1
10°-20°	188.5	3.3
20°-30°	354.8	6.2
30°-40°	628.3	11.0
40°-50°	1050.7	18.4
50°-60°	1464.2	25.7
60°-70°	1357.8	23.8
70°-80°	541.1	9.5
80°-90°	56.9	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°	5703.0	100.0
0°-180°	5703.0	100.0



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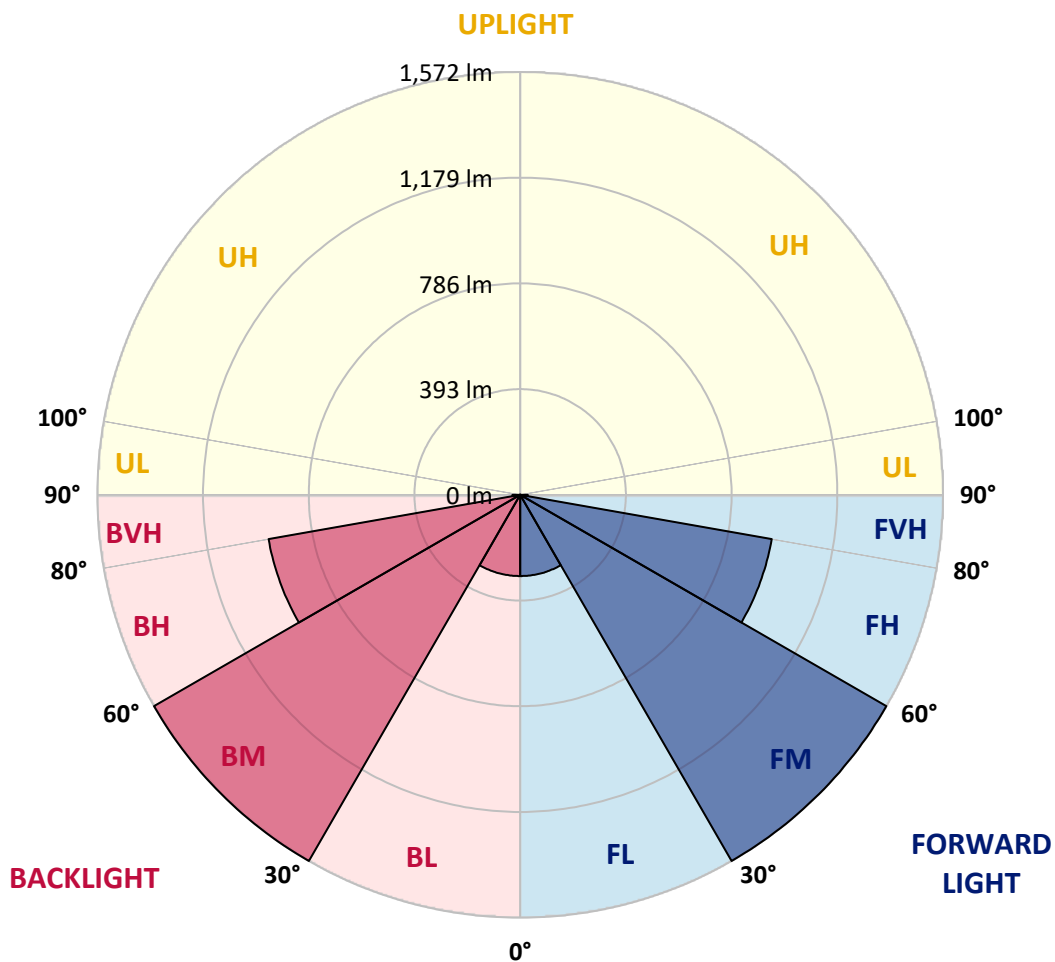
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.0	5.3			
FM	(30°-60°)	1571.6	27.6			
FH	(60°-80°)	949.5	16.6			G1/1800
FVH	(80°-90°)	28.4	0.5			G1/100
BL	(0°-30°)	302.0	5.3	B1/500		
BM	(30°-60°)	1571.6	27.6	B2/2500		
BH	(60°-80°)	949.5	16.6	B2/1000		G2/1000
BVH	(80°-90°)	28.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	632.6	632.6	632.6	632.6	632.6	632.6	632.6	632.6	632.6	632.6	632.6
2.5°	631.5	631.0	631.5	631.2	631.8	631.8	632.3	633.4	633.4	634.2	633.9
5°	625.3	625.0	625.9	626.7	627.5	629.1	630.7	633.1	635.0	636.4	637.7
7.5°	613.2	613.2	614.3	616.2	618.0	621.5	625.3	630.2	635.0	639.1	642.6
10°	603.2	603.8	605.1	608.3	611.6	617.0	622.1	629.1	635.8	642.6	648.0
12.5°	597.3	598.1	600.5	605.4	610.8	618.0	625.9	634.8	642.3	650.4	655.8
15°	599.2	599.7	603.2	609.1	616.2	625.3	635.8	646.3	655.2	663.9	671.1
17.5°	609.7	610.5	614.5	621.3	628.6	639.3	650.7	662.5	673.6	683.3	692.2
20°	628.6	629.4	634.5	641.8	650.4	661.4	672.8	685.2	697.6	707.8	717.8
22.5°	655.2	656.6	661.4	668.7	678.4	690.3	703.8	717.0	728.8	738.3	747.1
25°	690.3	693.2	697.8	705.9	716.2	726.9	741.5	755.0	766.3	775.2	781.6
27.5°	739.9	743.9	747.4	755.2	765.2	775.4	790.0	801.9	812.6	821.3	826.1
30°	805.6	809.7	813.2	820.7	829.9	839.6	853.3	863.9	870.6	877.3	877.1
32.5°	885.4	889.7	891.1	899.2	908.6	919.1	931.5	937.4	942.8	943.6	938.8
35°	974.6	976.8	982.2	993.0	1003.7	1012.4	1024.2	1027.2	1027.2	1023.1	1012.4
37.5°	1072.5	1073.8	1081.4	1093.5	1104.5	1113.4	1121.5	1127.5	1124.5	1115.9	1097.8
40°	1179.7	1182.2	1193.0	1203.7	1216.1	1224.5	1233.1	1234.2	1231.2	1218.6	1194.0
42.5°	1282.2	1284.3	1295.1	1312.1	1328.3	1339.9	1347.9	1349.6	1340.1	1328.5	1298.1
45°	1370.3	1376.0	1390.0	1409.9	1433.4	1449.8	1460.9	1465.5	1457.1	1442.0	1406.7
47.5°	1440.1	1445.8	1465.7	1489.4	1518.6	1545.2	1563.6	1573.3	1571.1	1559.8	1521.2
50°	1491.3	1496.7	1518.3	1547.4	1581.4	1614.5	1645.8	1669.0	1677.0	1671.9	1636.6
52.5°	1497.3	1506.2	1531.5	1570.6	1614.8	1660.1	1704.5	1743.9	1770.6	1774.6	1748.5
55°	1414.5	1423.4	1458.4	1516.4	1582.2	1656.0	1727.2	1793.5	1846.0	1873.0	1859.2
57.5°	1219.4	1235.3	1272.2	1340.1	1436.9	1547.4	1660.9	1778.7	1885.7	1957.1	1970.8
60°	934.5	953.3	990.5	1062.8	1170.6	1302.4	1453.9	1628.0	1816.9	1977.6	2073.5
62.5°	599.4	617.2	656.3	719.1	807.0	949.8	1112.4	1319.1	1573.0	1826.6	2055.2
65°	308.1	317.8	338.3	376.3	444.7	551.5	697.3	903.5	1193.8	1506.7	1837.1
67.5°	195.1	197.0	201.6	207.0	224.5	261.4	329.4	457.9	696.7	1023.1	1409.9
70°	168.7	168.7	166.6	165.8	167.9	173.0	183.6	213.5	294.1	485.7	813.2
72.5°	154.4	152.8	149.1	146.1	145.5	145.5	147.7	152.3	165.2	197.8	318.3
75°	142.3	137.7	132.6	129.1	127.8	126.4	126.1	127.0	129.6	134.8	152.0
77.5°	127.5	121.6	115.6	112.1	110.5	108.6	107.0	105.1	103.8	105.4	112.9
80°	109.7	103.0	98.4	96.2	94.6	91.9	88.4	85.2	82.2	81.7	86.3
82.5°	88.4	80.6	80.9	81.7	78.7	74.9	71.2	67.7	62.5	59.8	62.5
85°	71.4	67.4	65.5	70.6	66.3	60.6	54.7	48.5	40.4	34.0	36.9
87.5°	27.8	27.8	41.5	63.9	57.4	46.9	40.2	34.2	21.3	16.4	16.7
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°	632.6	632.6	632.6	632.6	632.6	632.6	632.6	632.6
2.5°	633.7	634.2	633.9	633.7	633.7	633.4	633.7	633.7
5°	638.5	639.9	639.9	640.4	640.4	640.7	641.0	640.7
7.5°	645.8	648.2	649.8	651.7	652.0	652.3	652.8	652.3
10°	653.1	657.9	661.4	664.9	666.6	667.1	667.6	667.6
12.5°	662.2	669.0	675.2	681.4	684.3	686.0	686.0	687.0
15°	677.3	684.1	691.4	699.7	704.8	707.5	708.3	708.3
17.5°	698.6	704.6	710.8	718.8	725.3	728.8	729.6	729.4
20°	723.4	729.1	732.6	737.7	743.4	747.4	748.5	748.5
22.5°	751.7	755.0	755.5	757.1	761.7	767.1	769.5	770.1
25°	783.0	783.8	781.6	781.6	784.6	789.7	792.2	792.4
27.5°	823.4	819.4	814.0	812.1	814.0	819.9	822.9	824.0
30°	873.8	864.1	851.7	845.0	843.9	851.7	857.1	857.9
32.5°	931.5	917.5	901.1	887.3	883.8	888.7	895.1	894.9
35°	1000.0	983.3	963.3	945.8	937.7	942.6	951.7	952.8
37.5°	1078.9	1057.1	1034.2	1012.1	999.4	1000.8	1010.5	1013.7
40°	1167.1	1138.8	1109.9	1080.3	1062.2	1058.7	1070.6	1072.5
42.5°	1261.4	1225.0	1188.6	1152.0	1128.8	1123.4	1137.2	1136.4
45°	1362.0	1315.6	1273.0	1232.6	1205.1	1197.0	1208.3	1208.3
47.5°	1470.0	1412.9	1362.2	1316.4	1286.5	1274.9	1285.7	1286.5
50°	1584.6	1523.9	1464.4	1413.4	1377.6	1362.8	1376.8	1378.9
52.5°	1698.6	1639.6	1579.5	1521.2	1477.9	1459.8	1476.0	1483.0
55°	1814.2	1756.3	1698.9	1642.0	1590.5	1569.2	1586.5	1595.4
57.5°	1936.3	1882.7	1828.0	1770.6	1721.0	1687.8	1706.1	1718.0
60°	2079.5	2033.6	1976.8	1913.4	1863.3	1829.6	1840.1	1850.6
62.5°	2192.7	2210.4	2162.2	2088.9	2024.5	1981.3	1991.6	2002.6
65°	2137.9	2320.4	2363.3	2289.1	2199.9	2132.8	2128.5	2134.2
67.5°	1787.0	2141.4	2399.9	2470.5	2395.9	2302.6	2285.4	2293.7
70°	1195.4	1636.9	2092.9	2432.5	2522.8	2486.7	2469.7	2474.9
72.5°	574.1	953.3	1419.9	1871.4	2146.3	2272.4	2312.9	2332.5
75°	210.0	378.4	684.3	1031.2	1245.0	1441.2	1569.2	1621.5
77.5°	126.7	152.8	218.6	329.1	372.8	417.2	400.0	408.6
80°	93.8	105.9	119.9	134.8	139.6	139.6	134.2	129.9
82.5°	65.8	73.6	80.3	88.4	90.6	86.5	71.2	56.6
85°	42.3	45.8	48.8	53.9	52.6	50.1	33.7	29.9
87.5°	19.4	22.1	23.2	25.6	24.5	23.4	16.7	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)