

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: STREETWORKS

Report Number: P268184

Luminaire Tested: **GAN-AF-01-LED-U-RW-7027-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P268184  
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: STREETWORKS  
Catalog Number: GAN-AF-01-LED-U-RW-7027-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6072.4 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G1

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: 28.75 FT

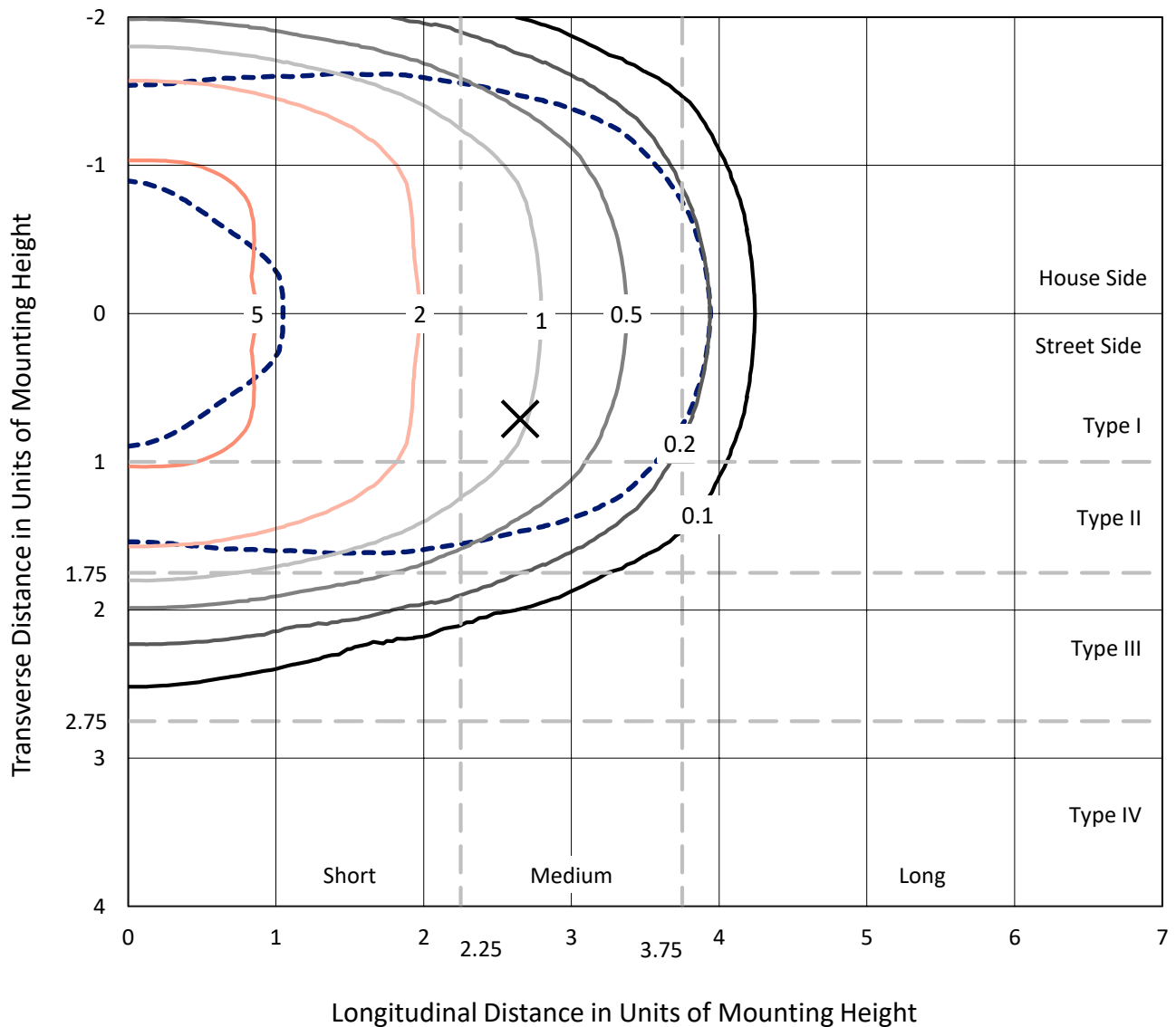


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

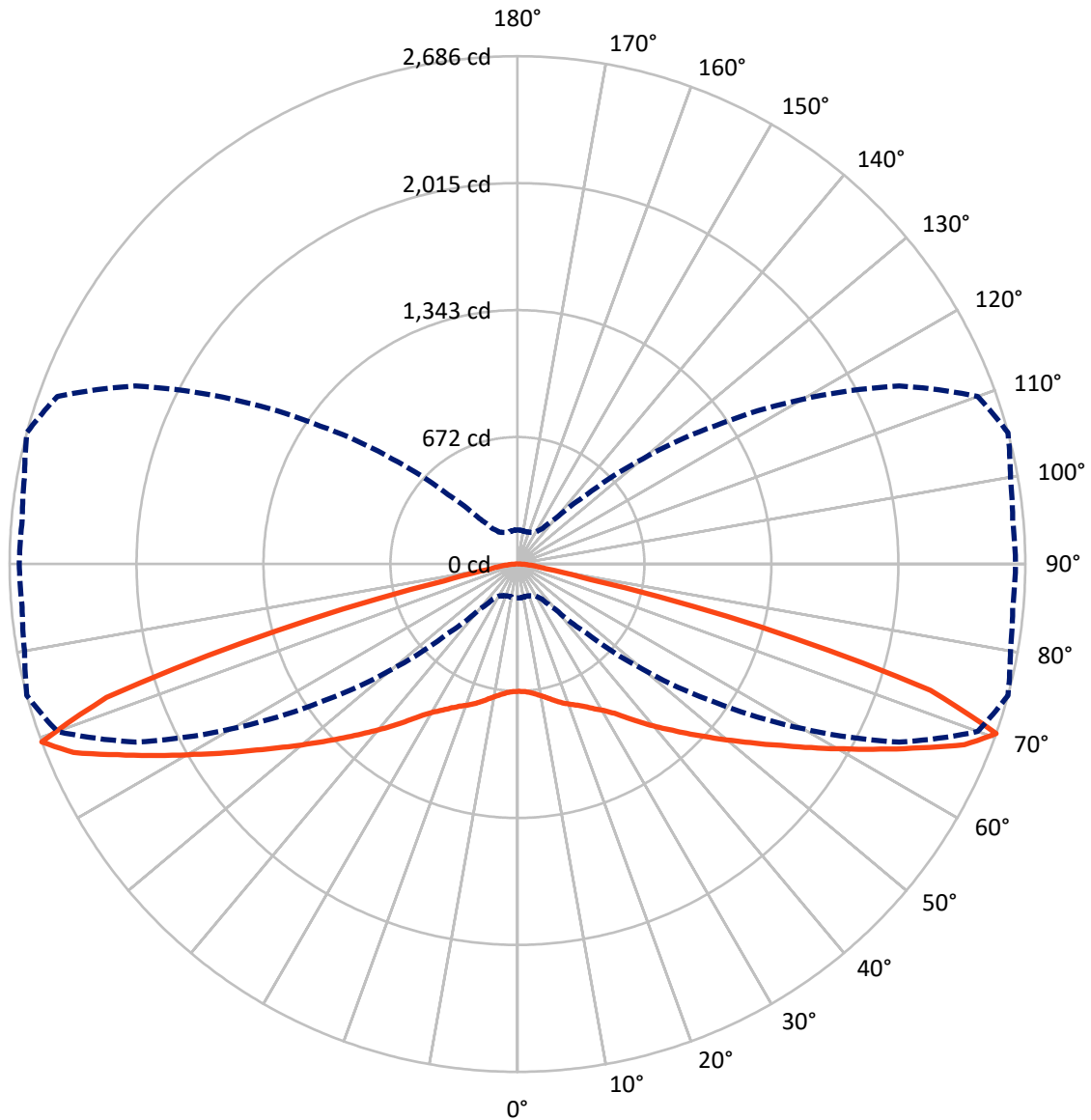


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type V - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



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



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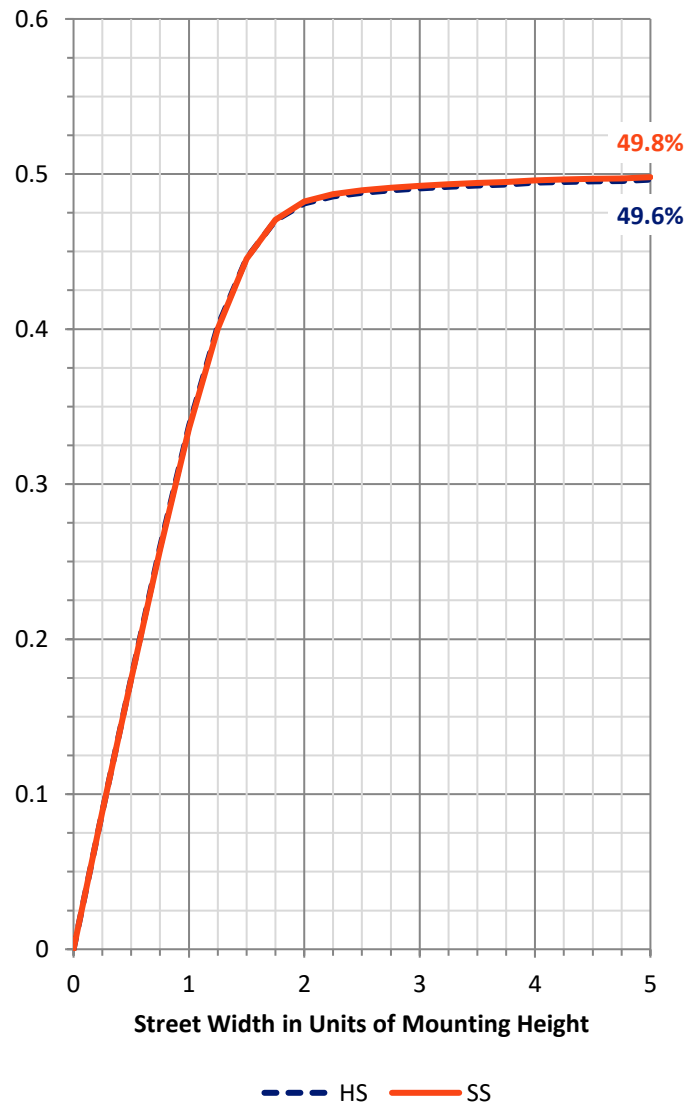
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3036.2	0.0	3036.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3036.2	0.0	3036.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6072.4	0.0	6072.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	1.1
10°-20°	200.7	3.3
20°-30°	377.8	6.2
30°-40°	669.0	11.0
40°-50°	1118.8	18.4
50°-60°	1559.0	25.7
60°-70°	1445.7	23.8
70°-80°	576.2	9.5
80°-90°	60.6	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°	6072.4	100.0
0°-180°	6072.4	100.0

**Coefficient of Utilization**



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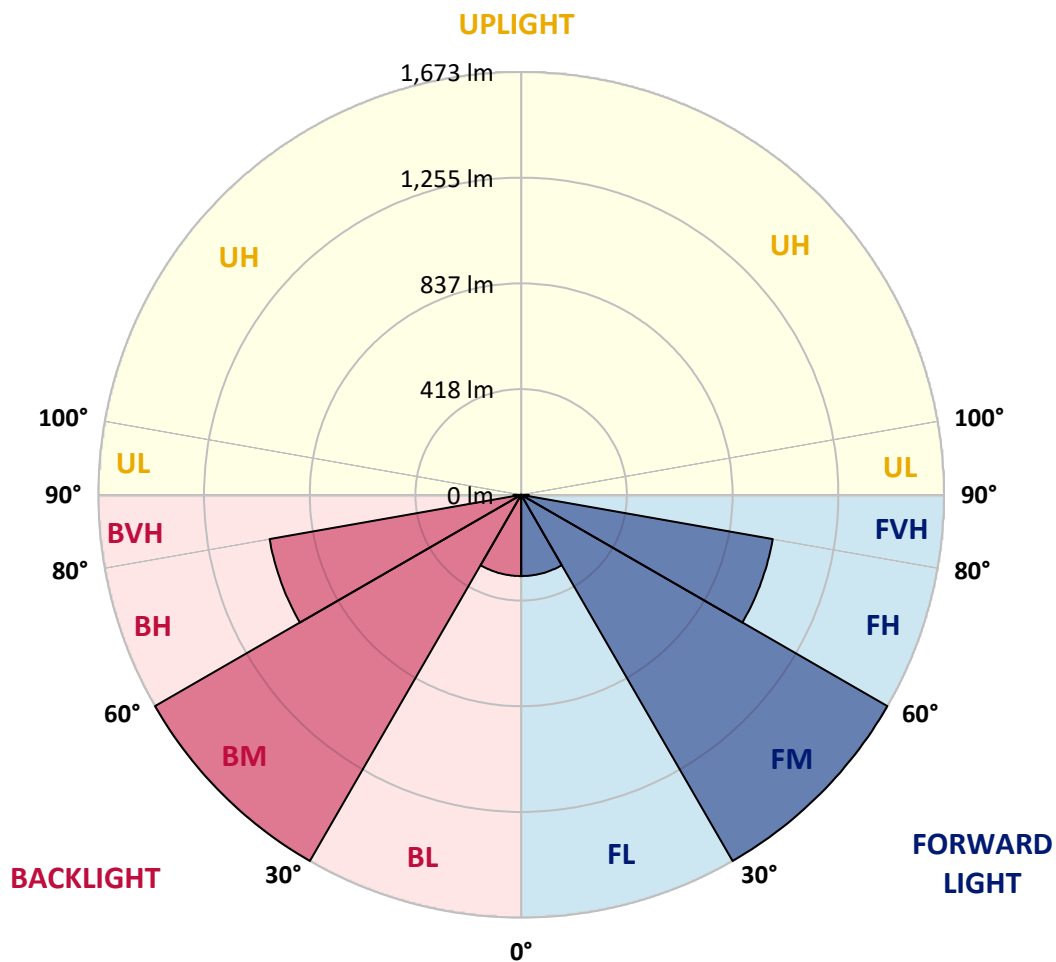
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.6	5.3			
FM	(30°-60°)	1673.4	27.6			
FH	(60°-80°)	1011.0	16.6			G1/1800
FVH	(80°-90°)	30.3	0.5			G1/100
BL	(0°-30°)	321.6	5.3	B1/500		
BM	(30°-60°)	1673.4	27.6	B2/2500		
BH	(60°-80°)	1011.0	16.6	B3/2500		G1/1800
BVH	(80°-90°)	30.3	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-G1**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	672.4	671.8	672.4	672.1	672.7	672.7	673.3	674.4	674.4	675.3	674.9
5°	665.9	665.6	666.5	667.3	668.1	669.9	671.6	674.2	676.2	677.6	678.9
7.5°	652.9	652.9	654.1	656.0	658.1	661.8	665.9	671.0	676.2	680.5	684.1
10°	642.3	642.8	644.4	647.8	651.2	656.9	662.4	669.9	677.1	684.1	689.9
12.5°	636.0	636.9	639.5	644.5	650.4	658.1	666.5	675.9	683.9	692.6	698.3
15°	637.9	638.5	642.3	648.5	656.0	665.9	677.1	688.2	697.7	706.8	714.6
17.5°	649.1	650.1	654.3	661.5	669.2	680.7	692.9	705.3	717.1	727.5	737.0
20°	669.2	670.1	675.5	683.3	692.6	704.4	716.4	729.6	742.8	753.7	764.3
22.5°	697.7	699.2	704.4	712.0	722.3	735.1	749.4	763.4	776.0	786.0	795.5
25°	735.1	738.1	743.0	751.6	762.5	774.0	789.5	803.9	815.9	825.5	832.3
27.5°	787.9	792.0	795.8	804.2	814.8	825.7	841.2	853.7	865.2	874.5	879.6
30°	857.8	862.2	865.8	874.0	883.7	894.1	908.6	919.9	927.1	934.1	933.9
32.5°	942.9	947.4	948.8	957.5	967.5	978.7	991.9	998.1	1003.9	1004.8	999.6
35°	1037.7	1040.1	1045.7	1057.2	1068.8	1078.0	1090.6	1093.7	1093.7	1089.5	1078.0
37.5°	1141.9	1143.5	1151.4	1164.4	1176.2	1185.6	1194.1	1200.5	1197.4	1188.2	1169.0
40°	1256.2	1258.7	1270.3	1281.7	1294.8	1303.8	1313.1	1314.1	1310.9	1297.5	1271.5
42.5°	1365.2	1367.5	1379.0	1397.0	1414.3	1426.7	1435.2	1437.0	1427.0	1414.7	1382.1
45°	1459.0	1465.0	1480.0	1501.2	1526.2	1543.7	1555.5	1560.4	1551.6	1535.5	1497.8
47.5°	1533.3	1539.4	1560.6	1585.9	1616.9	1645.3	1664.9	1675.2	1672.9	1660.8	1619.9
50°	1587.9	1593.7	1616.6	1647.6	1683.9	1719.0	1752.4	1777.0	1785.7	1780.3	1742.6
52.5°	1594.2	1603.7	1630.8	1672.4	1719.4	1767.5	1814.9	1856.8	1885.3	1889.6	1861.7
55°	1506.2	1515.6	1552.9	1614.7	1684.6	1763.4	1839.1	1909.6	1965.6	1994.2	1979.7
57.5°	1298.4	1315.3	1354.6	1427.0	1530.0	1647.6	1768.5	1893.8	2007.8	2083.9	2098.5
60°	995.1	1015.1	1054.7	1131.7	1246.4	1386.8	1548.0	1733.4	1934.6	2105.6	2207.9
62.5°	638.2	657.2	698.8	765.6	859.3	1011.3	1184.4	1404.5	1674.9	1945.0	2188.4
65°	328.1	338.3	360.2	400.6	473.5	587.2	742.4	962.1	1271.1	1604.4	1956.1
67.5°	207.8	209.8	214.7	220.4	239.0	278.4	350.7	487.6	741.9	1089.5	1501.2
70°	179.7	179.7	177.3	176.4	178.9	184.2	195.4	227.4	313.1	517.2	865.8
72.5°	164.5	162.8	158.7	155.5	155.0	155.0	157.3	162.1	175.9	210.7	338.9
75°	151.5	146.7	141.3	137.5	136.1	134.6	134.2	135.1	138.0	143.5	161.9
77.5°	135.7	129.4	123.1	119.4	117.7	115.6	113.9	111.8	110.5	112.2	120.3
80°	116.8	109.7	104.7	102.4	100.7	97.8	94.1	90.6	87.6	87.0	91.8
82.5°	94.1	85.8	86.1	87.0	83.8	79.8	75.7	72.0	66.6	63.7	66.6
85°	76.0	71.8	69.8	75.2	70.5	64.6	58.3	51.7	43.1	36.1	39.3
87.5°	29.6	29.6	44.1	68.0	61.2	49.9	42.8	36.4	22.6	17.4	17.7
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°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	674.7	675.3	674.9	674.7	674.7	674.4	674.7	674.7
5°	679.8	681.4	681.4	682.0	682.0	682.3	682.4	682.3
7.5°	687.7	690.2	692.0	693.9	694.2	694.5	695.1	694.5
10°	695.4	700.6	704.4	708.0	709.8	710.3	710.9	710.9
12.5°	705.1	712.4	719.0	725.6	728.6	730.4	730.4	731.5
15°	721.2	728.3	736.2	745.1	750.4	753.4	754.1	754.1
17.5°	743.8	750.3	756.8	765.4	772.4	776.0	776.9	776.7
20°	770.2	776.3	780.1	785.5	791.5	795.8	796.9	796.9
22.5°	800.4	803.9	804.4	806.1	811.0	816.7	819.3	820.0
25°	833.6	834.5	832.3	832.3	835.5	841.0	843.5	843.8
27.5°	876.7	872.4	866.8	864.7	866.8	873.1	876.1	877.4
30°	930.5	920.1	906.8	899.7	898.6	906.8	912.7	913.4
32.5°	991.9	976.9	959.4	944.7	941.1	946.3	953.1	952.8
35°	1064.8	1047.0	1025.8	1007.1	998.5	1003.6	1013.4	1014.5
37.5°	1148.8	1125.5	1101.2	1077.6	1064.2	1065.6	1075.9	1079.4
40°	1242.6	1212.5	1181.8	1150.3	1131.1	1127.4	1139.9	1141.9
42.5°	1343.1	1304.3	1265.6	1226.6	1201.9	1196.3	1210.8	1209.9
45°	1450.1	1400.7	1355.5	1312.5	1283.1	1274.5	1286.6	1286.6
47.5°	1565.2	1504.4	1450.5	1401.6	1369.8	1357.5	1368.9	1369.8
50°	1687.2	1622.7	1559.3	1505.0	1466.8	1451.0	1465.9	1468.3
52.5°	1808.6	1745.8	1681.7	1619.9	1573.7	1554.3	1571.6	1579.0
55°	1931.7	1870.0	1808.9	1748.5	1693.6	1670.8	1689.3	1698.8
57.5°	2061.8	2004.7	1946.4	1885.3	1832.5	1797.1	1816.6	1829.3
60°	2214.1	2165.4	2104.8	2037.4	1983.9	1948.2	1959.4	1970.5
62.5°	2334.7	2353.6	2302.3	2224.3	2155.7	2109.7	2120.5	2132.3
65°	2276.5	2470.7	2516.3	2437.5	2342.4	2270.9	2266.3	2272.4
67.5°	1902.8	2280.2	2555.4	2630.5	2551.0	2451.7	2433.4	2442.3
70°	1272.8	1742.9	2228.5	2590.2	2686.2	2647.8	2629.7	2635.2
72.5°	611.2	1015.1	1511.8	1992.6	2285.3	2419.7	2462.8	2483.6
75°	223.6	402.9	728.6	1098.1	1325.5	1534.6	1670.8	1726.5
77.5°	134.8	162.8	232.8	350.3	397.0	444.2	425.8	435.0
80°	99.9	112.7	127.6	143.5	148.7	148.7	142.9	138.2
82.5°	70.0	78.3	85.5	94.1	96.4	92.2	75.7	60.2
85°	45.0	48.8	51.9	57.4	56.0	53.4	35.9	31.9
87.5°	20.8	23.5	24.7	27.3	26.1	25.0	17.7	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)