

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: P200103

Luminaire Tested: **GAP-AF-01-LED-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200103
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: GAP-AF-01-LED-U-RW
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6647.1 lumens
Efficiency: N/A
Efficacy: 112.7 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): 59
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

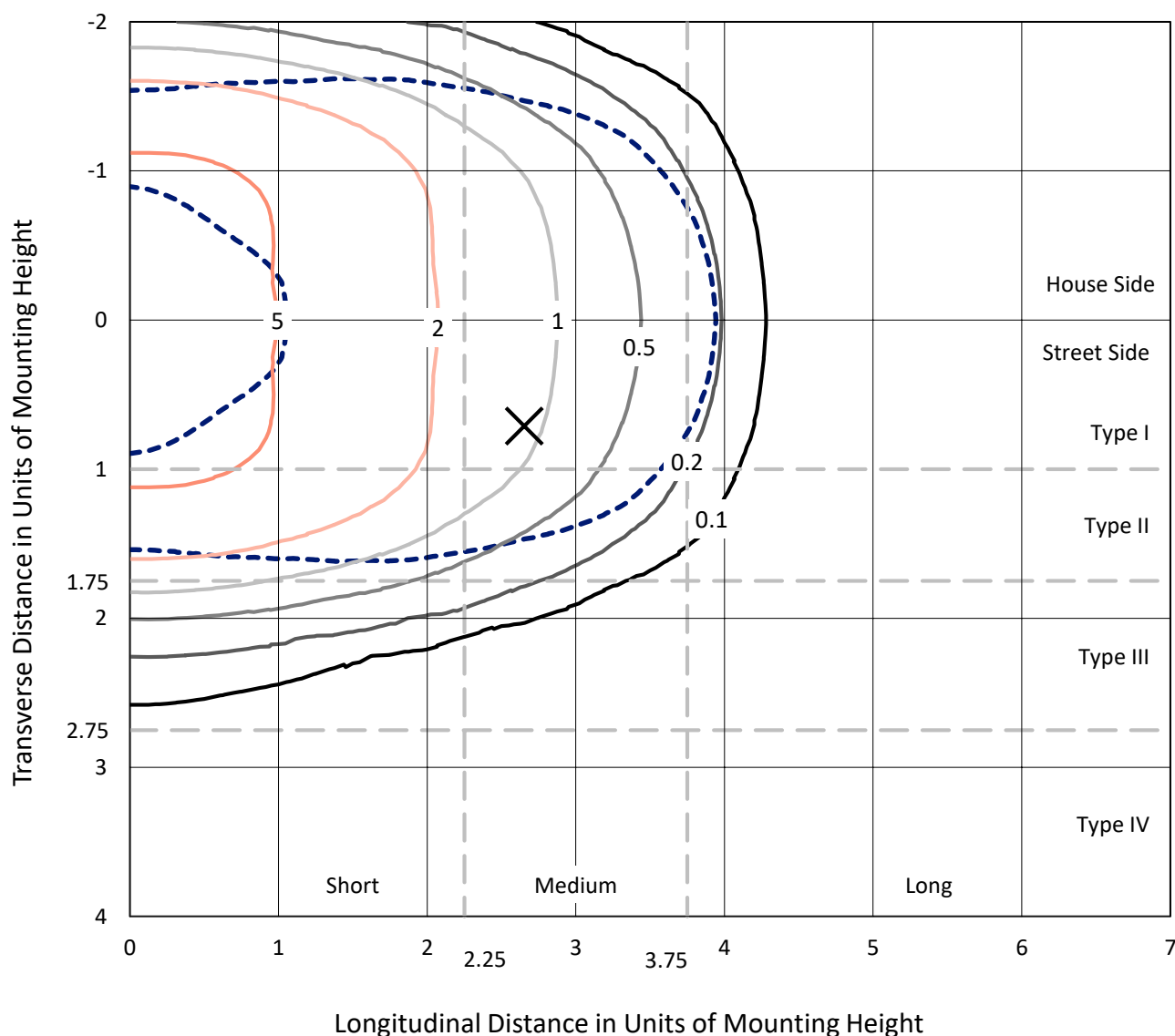


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

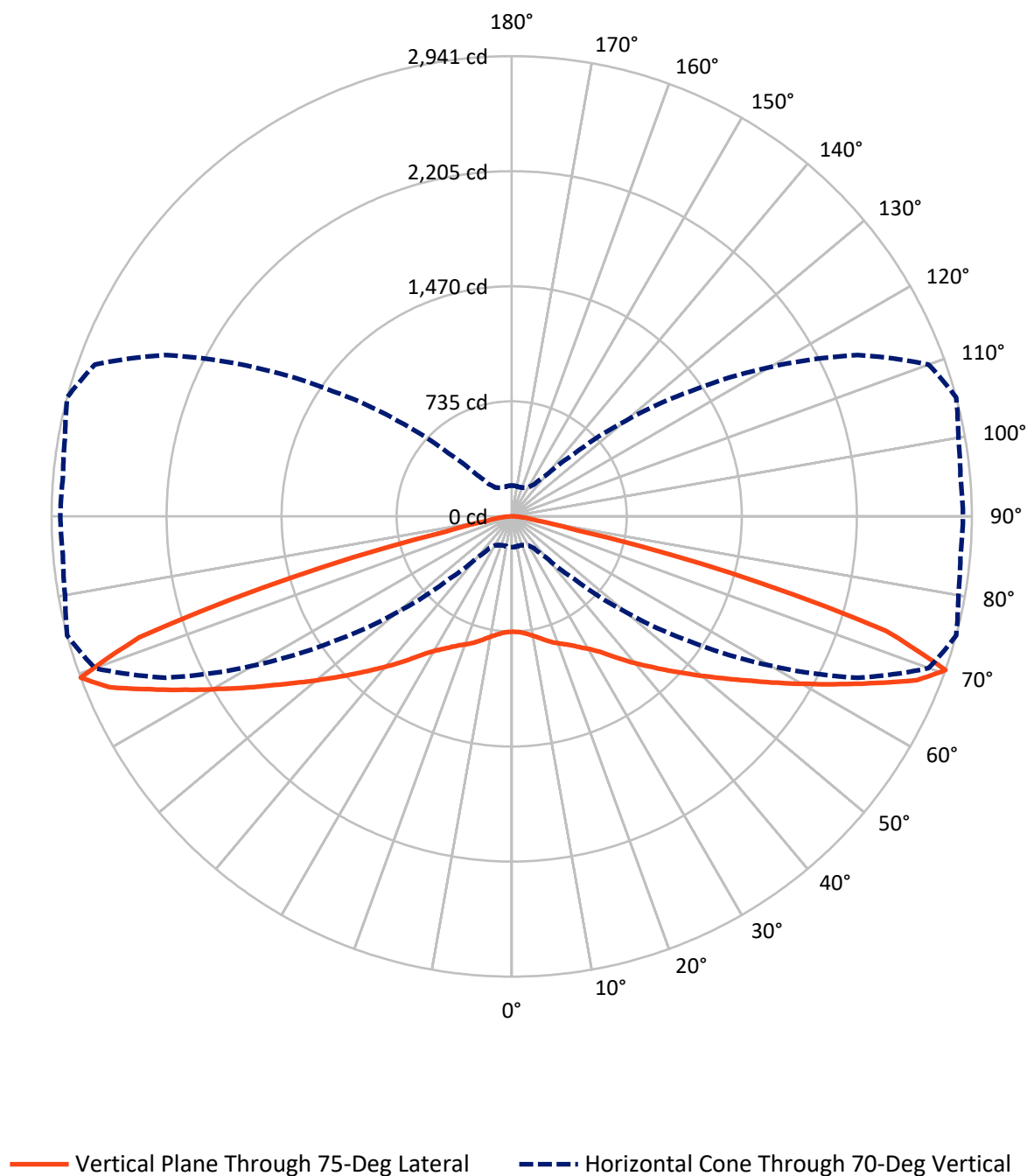


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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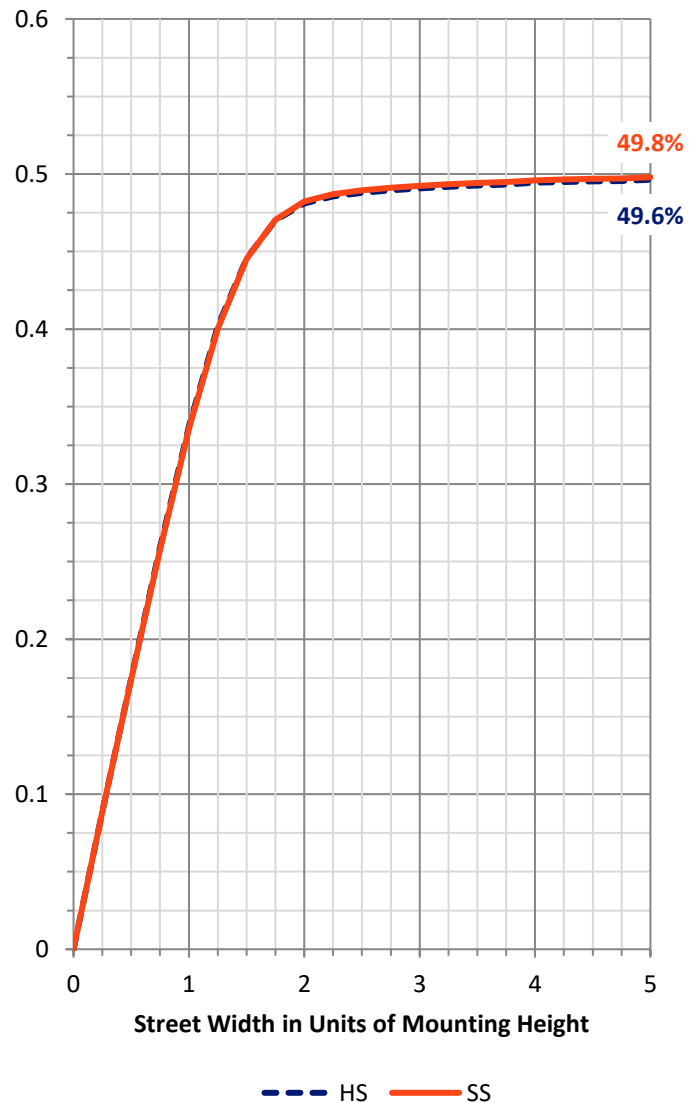
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.6	0.0	3323.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3323.6	0.0	3323.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6647.1	0.0	6647.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.1
10°-20°	219.7	3.3
20°-30°	413.5	6.2
30°-40°	732.3	11.0
40°-50°	1224.7	18.4
50°-60°	1706.6	25.7
60°-70°	1582.6	23.8
70°-80°	630.7	9.5
80°-90°	66.3	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°	6647.1	100.0
0°-180°	6647.1	100.0

Coefficient of Utilization



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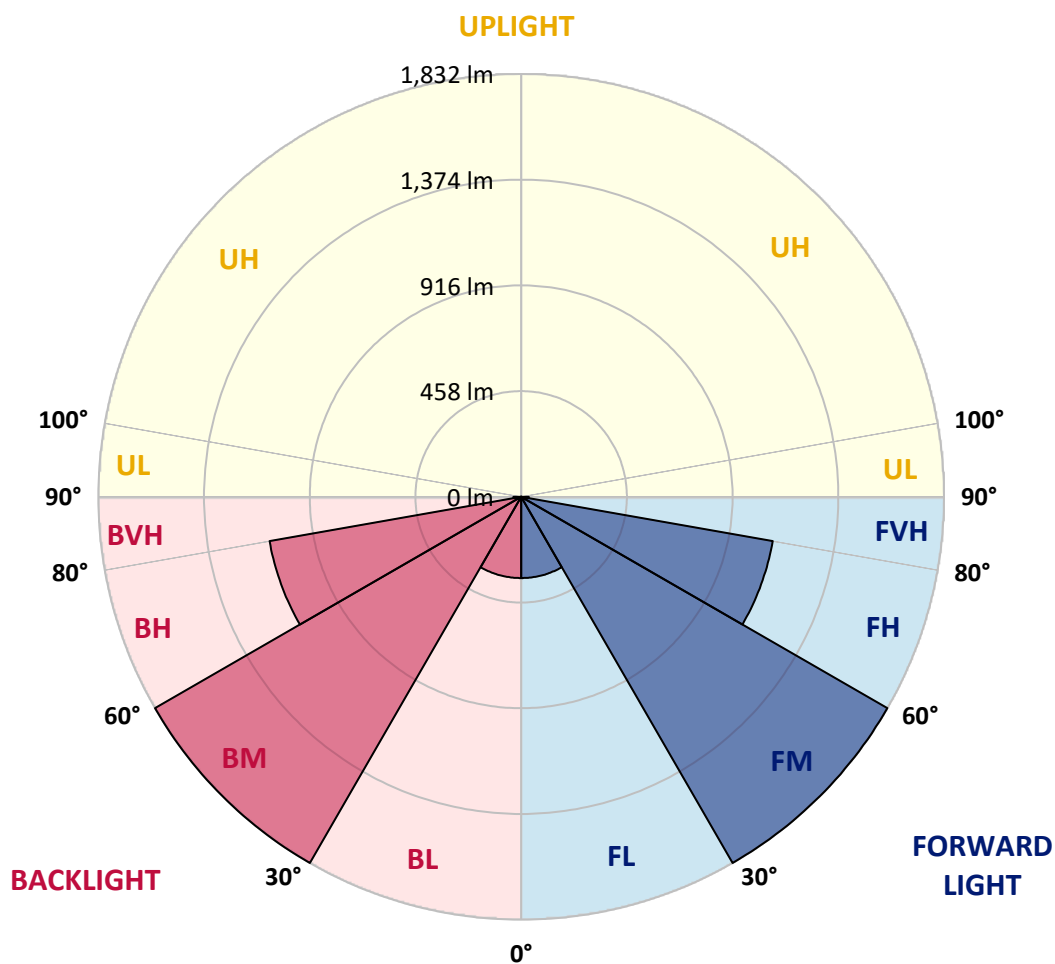
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.0	5.3			
FM	(30°-60°)	1831.8	27.6			
FH	(60°-80°)	1106.6	16.6			G1/1800
FVH	(80°-90°)	33.1	0.5			G1/100
BL	(0°-30°)	352.0	5.3	B1/500		
BM	(30°-60°)	1831.8	27.6	B2/2500		
BH	(60°-80°)	1106.6	16.6	B3/2500		G1/1800
BVH	(80°-90°)	33.1	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°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	736.1	735.4	736.1	735.7	736.4	736.4	737.0	738.3	738.3	739.2	738.9
5°	728.9	728.5	729.5	730.4	731.3	733.3	735.1	738.0	740.1	741.7	743.3
7.5°	714.7	714.7	716.0	718.1	720.4	724.5	728.9	734.5	740.1	744.9	748.9
10°	703.1	703.7	705.3	709.0	712.8	719.1	725.1	733.3	741.1	748.9	755.2
12.5°	696.1	697.1	699.9	705.6	711.9	720.4	729.5	739.8	748.6	758.0	764.3
15°	698.4	699.0	703.1	710.0	718.1	728.9	741.1	753.3	763.7	773.8	782.3
17.5°	710.6	711.6	716.3	724.1	732.6	745.2	758.4	772.2	785.1	796.4	806.8
20°	732.6	733.6	739.5	748.0	758.0	770.9	784.1	798.6	813.0	825.0	836.6
22.5°	763.7	765.3	770.9	779.4	790.7	804.6	820.3	835.6	849.5	860.5	870.8
25°	804.6	808.0	813.3	822.8	834.7	847.3	864.3	879.9	893.1	903.5	911.0
27.5°	862.3	867.1	871.1	880.2	891.9	903.8	920.8	934.6	947.2	957.3	962.9
30°	939.0	943.7	947.8	956.6	967.3	978.6	994.6	1006.9	1014.8	1022.5	1022.2
32.5°	1032.0	1037.1	1038.6	1048.0	1059.1	1071.2	1085.8	1092.6	1099.0	1099.9	1094.3
35°	1136.0	1138.5	1144.8	1157.4	1169.9	1180.0	1193.8	1197.3	1197.3	1192.6	1180.0
37.5°	1250.0	1251.6	1260.4	1274.5	1287.4	1297.8	1307.2	1314.1	1310.6	1300.6	1279.5
40°	1375.1	1377.9	1390.5	1403.0	1417.5	1427.2	1437.2	1438.5	1435.1	1420.3	1391.7
42.5°	1494.4	1497.0	1509.5	1529.3	1548.1	1561.6	1571.0	1573.0	1561.9	1548.4	1512.9
45°	1597.1	1603.8	1620.0	1643.4	1670.7	1689.8	1702.7	1708.0	1698.3	1680.7	1639.6
47.5°	1678.6	1685.1	1708.3	1736.0	1769.9	1801.0	1822.4	1833.7	1831.2	1818.0	1773.1
50°	1738.2	1744.5	1769.6	1803.6	1843.2	1881.8	1918.2	1945.2	1954.7	1948.7	1907.6
52.5°	1745.2	1755.5	1785.0	1830.6	1882.1	1934.9	1986.7	2032.6	2063.7	2068.4	2037.9
55°	1648.7	1659.0	1699.9	1767.5	1844.1	1930.2	2013.1	2090.4	2151.7	2183.1	2167.0
57.5°	1421.3	1439.8	1482.8	1561.9	1674.8	1803.6	1935.8	2073.1	2197.8	2281.1	2297.1
60°	1089.1	1111.1	1154.5	1238.7	1364.4	1518.0	1694.5	1897.5	2117.7	2304.9	2416.8
62.5°	698.7	719.4	765.0	838.2	940.6	1107.0	1296.5	1537.5	1833.4	2129.1	2395.4
65°	359.1	370.4	394.2	438.5	518.3	642.7	812.7	1053.0	1391.4	1756.1	2141.2
67.5°	227.4	229.7	235.0	241.3	261.7	304.7	383.9	533.8	812.1	1192.6	1643.4
70°	196.6	196.6	194.2	193.2	195.7	201.7	213.9	248.8	342.8	566.1	947.8
72.5°	180.0	178.1	173.7	170.3	169.6	169.6	172.2	177.5	192.6	230.6	371.0
75°	165.9	160.5	154.6	150.5	148.9	147.3	147.0	147.9	151.1	157.1	177.2
77.5°	148.6	141.7	134.7	130.7	128.8	126.6	124.7	122.5	120.9	122.9	131.7
80°	127.9	120.0	114.7	112.1	110.3	107.1	103.0	99.2	95.9	95.2	100.6
82.5°	103.0	93.9	94.2	95.2	91.8	87.4	83.0	78.9	72.8	69.8	72.8
85°	83.3	78.6	76.3	82.3	77.2	70.7	63.7	56.6	47.2	39.6	43.1
87.5°	32.3	32.3	48.4	74.5	66.9	54.6	46.9	39.9	24.9	19.1	19.4
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°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	738.6	739.2	738.9	738.6	738.6	738.3	738.6	738.6
5°	744.2	745.8	745.8	746.4	746.4	746.8	747.1	746.8
7.5°	752.7	755.6	757.4	759.6	760.0	760.3	760.9	760.3
10°	761.2	766.8	770.9	775.0	776.9	777.5	778.2	778.2
12.5°	771.9	779.7	787.0	794.2	797.6	799.5	799.5	800.8
15°	789.5	797.3	805.8	815.5	821.5	824.7	825.6	825.6
17.5°	814.3	821.2	828.4	837.9	845.4	849.5	850.4	850.1
20°	843.2	849.8	853.9	859.9	866.4	871.1	872.4	872.4
22.5°	876.2	879.9	880.6	882.5	887.8	894.1	896.9	897.5
25°	912.6	913.6	911.0	911.0	914.5	920.5	923.3	923.6
27.5°	959.7	955.0	948.8	946.5	948.8	955.6	959.1	960.3
30°	1018.4	1007.2	992.8	984.9	983.7	992.8	999.0	999.9
32.5°	1085.8	1069.4	1050.3	1034.2	1030.1	1035.7	1043.3	1043.0
35°	1165.6	1146.0	1122.8	1102.3	1092.9	1098.6	1109.3	1110.5
37.5°	1257.5	1232.1	1205.4	1179.7	1164.9	1166.5	1177.7	1181.5
40°	1360.3	1327.3	1293.7	1259.2	1238.1	1234.0	1247.8	1250.0
42.5°	1470.3	1427.8	1385.4	1342.7	1315.7	1309.4	1325.4	1324.5
45°	1587.4	1533.4	1483.8	1436.6	1404.6	1395.2	1408.4	1408.4
47.5°	1713.4	1646.8	1587.7	1534.3	1499.4	1485.9	1498.5	1499.4
50°	1846.9	1776.3	1706.8	1647.5	1605.6	1588.3	1604.7	1607.3
52.5°	1979.8	1911.0	1840.9	1773.1	1722.5	1701.5	1720.3	1728.5
55°	2114.5	2047.0	1980.1	1913.8	1853.8	1829.0	1849.1	1859.5
57.5°	2256.9	2194.3	2130.6	2063.7	2005.9	1967.2	1988.6	2002.4
60°	2423.7	2370.3	2304.0	2230.2	2171.7	2132.4	2144.7	2157.0
62.5°	2555.6	2576.4	2520.1	2434.7	2359.6	2309.3	2321.3	2334.2
65°	2491.9	2704.6	2754.5	2668.2	2564.1	2485.9	2480.9	2487.5
67.5°	2082.8	2496.0	2797.3	2879.5	2792.6	2683.8	2663.8	2673.5
70°	1393.3	1907.9	2439.4	2835.2	2940.5	2898.4	2878.6	2884.6
72.5°	669.1	1111.1	1654.9	2181.1	2501.6	2648.6	2695.8	2718.7
75°	244.7	441.1	797.6	1202.0	1451.1	1679.8	1829.0	1890.0
77.5°	147.6	178.1	254.8	383.6	434.4	486.3	466.2	476.3
80°	109.4	123.5	139.8	157.1	162.8	162.8	156.4	151.4
82.5°	76.6	85.7	93.6	103.0	105.6	100.9	83.0	66.0
85°	49.3	53.4	56.9	62.8	61.3	58.4	39.3	34.9
87.5°	22.6	25.8	27.0	29.9	28.5	27.3	19.4	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)