

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385939

Luminaire Tested: GAW-SA1C-735-U-SL3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-735-U-SL3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7097.1 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

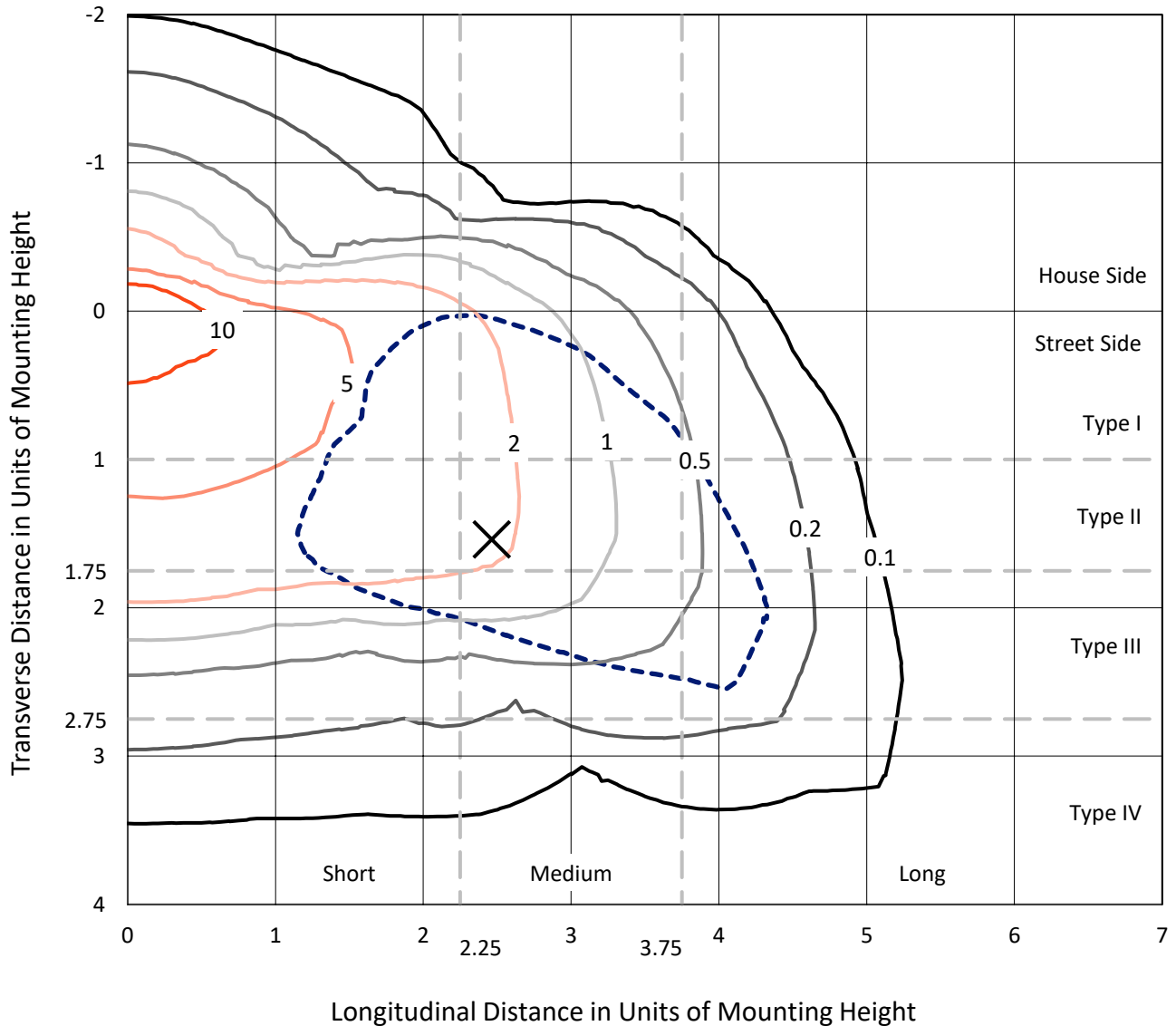
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

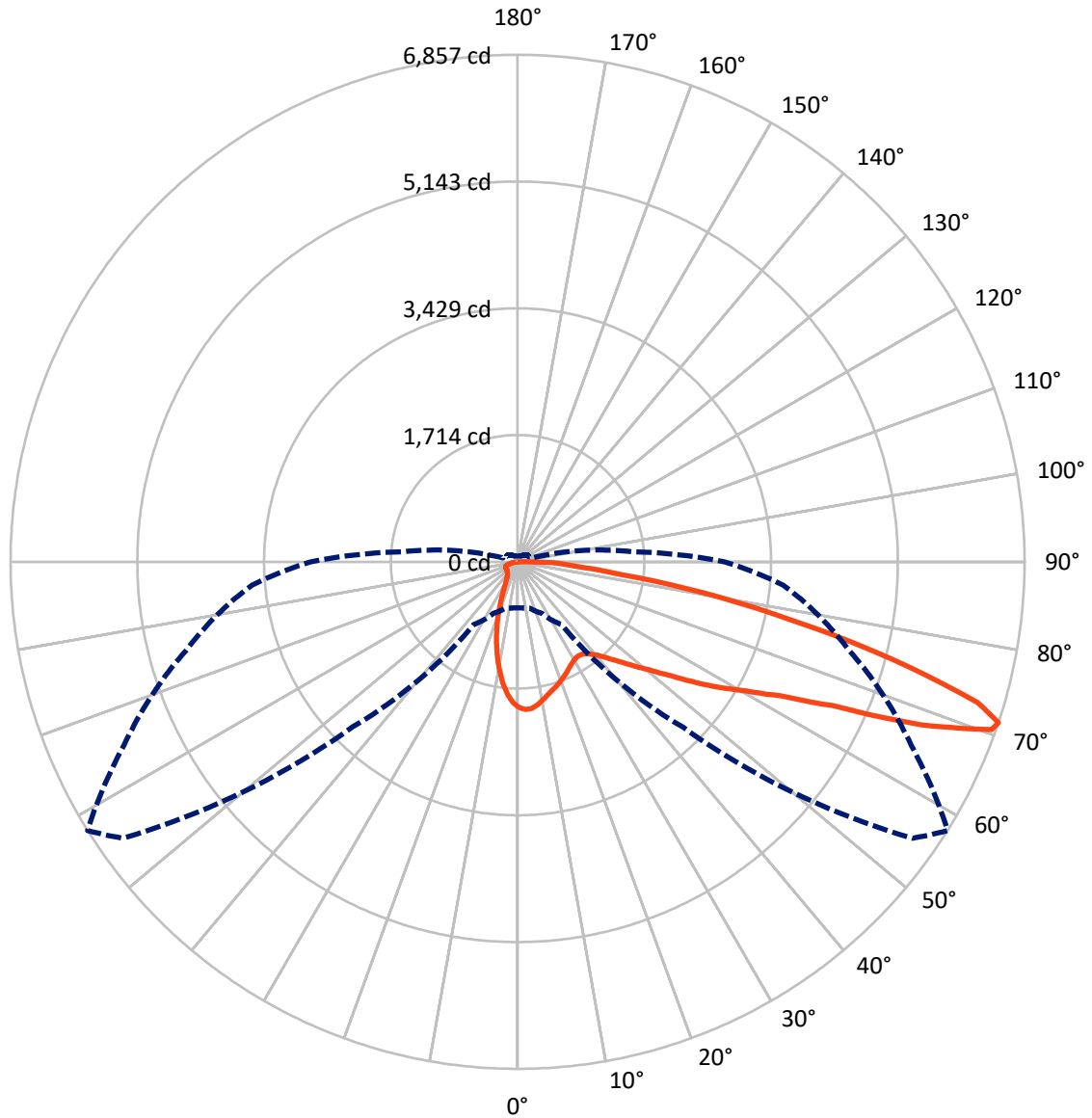
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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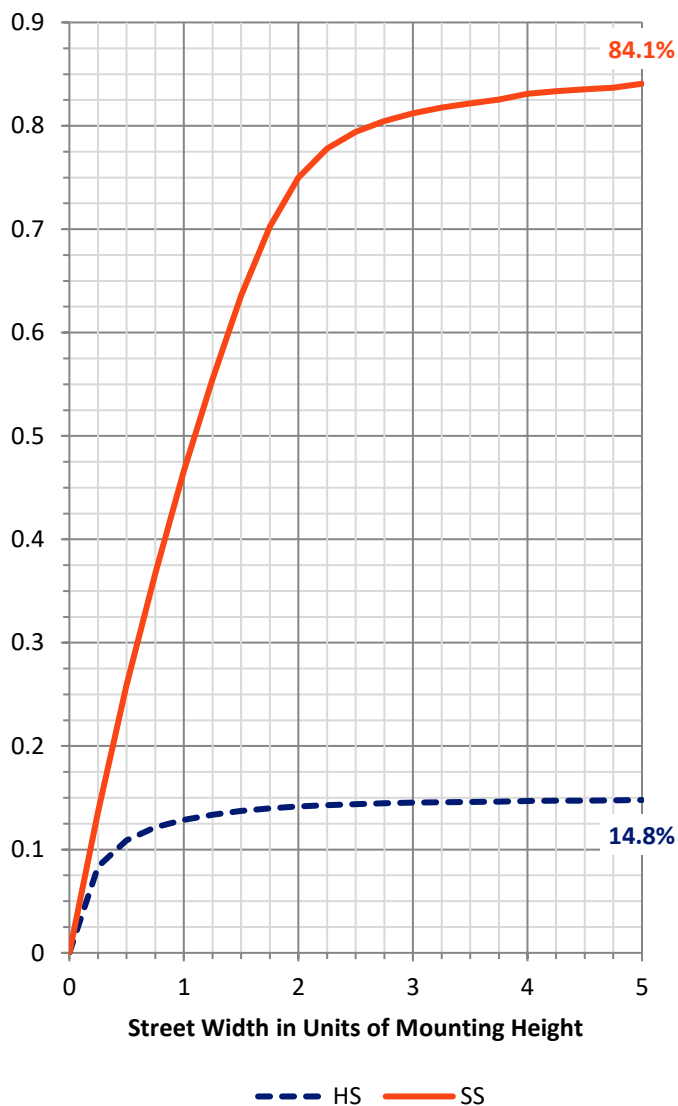
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.1	0.0	1061.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6036.1	0.0	6036.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	7097.1	0.0	7097.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	2.4
10°-20°	377.2	5.3
20°-30°	479.4	6.8
30°-40°	610.7	8.6
40°-50°	865.9	12.2
50°-60°	1340.1	18.9
60°-70°	1824.4	25.7
70°-80°	1217.1	17.1
80°-90°	212.8	3.0
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°	7097.1	100.0
0°-180°	7097.1	100.0

Coefficient of Utilization

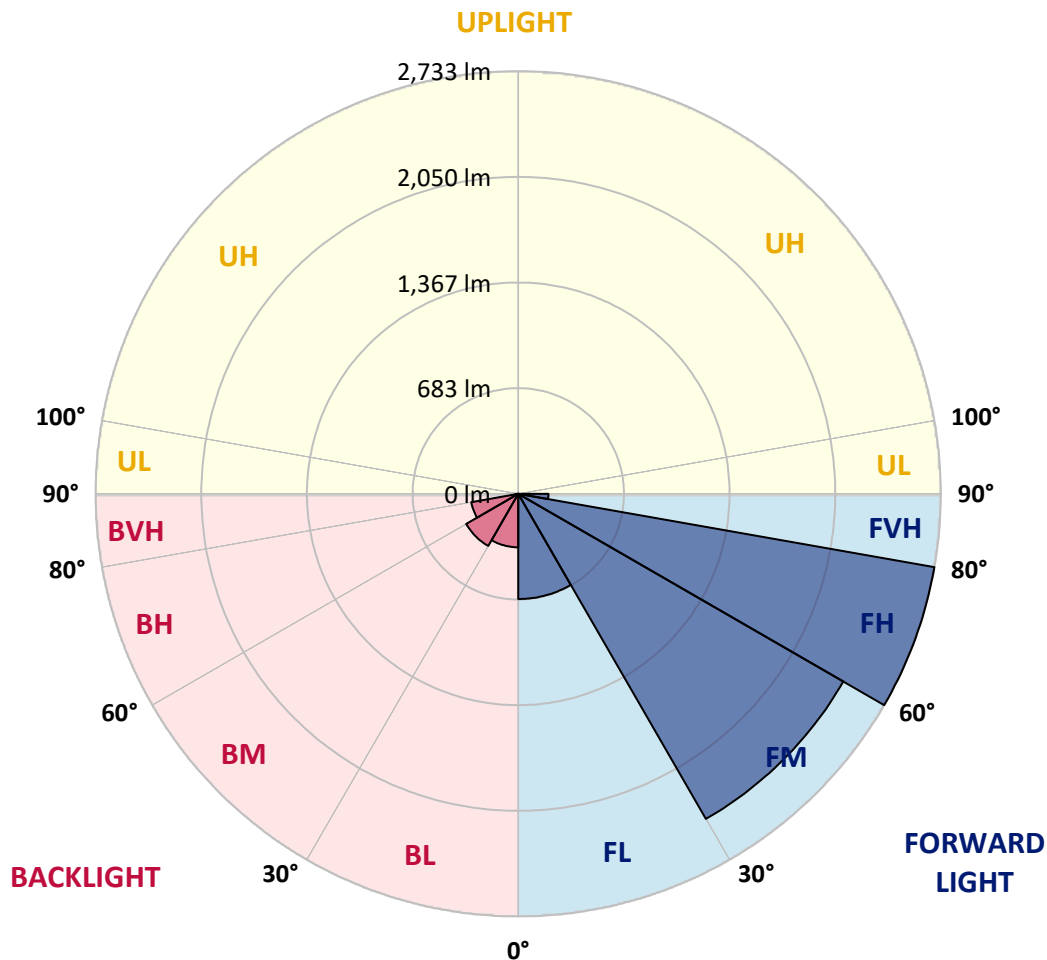


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.4	9.6			
FM (30°-60°)	2427.6	34.2			
FH (60°-80°)	2733.0	38.5			G2/5000
FVH (80°-90°)	195.1	2.7			G2/225
BL (0°-30°)	345.9	4.9	B1/500		
BM (30°-60°)	389.1	5.5	B1/1000		
BH (60°-80°)	308.4	4.3	B1/500		G1/500
BVH (80°-90°)	17.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3
2.5°	2018.6	2015.8	2016.8	2014.8	2010.1	2005.4	1998.6	1999.8	1990.1	1975.7	1958.0
5°	1980.4	1979.5	1986.9	1991.1	1994.5	1991.8	1989.8	1992.4	1978.3	1958.4	1927.5
7.5°	1900.6	1889.8	1899.2	1913.3	1926.6	1936.7	1950.1	1951.8	1942.9	1922.1	1881.6
10°	1787.1	1776.8	1790.6	1812.6	1839.3	1863.6	1890.4	1895.4	1897.2	1878.4	1829.2
12.5°	1669.5	1661.6	1675.4	1706.3	1750.6	1787.9	1830.9	1838.3	1853.6	1841.0	1780.7
15°	1564.2	1561.2	1578.0	1608.4	1659.3	1716.5	1778.5	1792.1	1818.0	1813.9	1742.9
17.5°	1473.2	1472.4	1485.3	1517.2	1573.6	1645.7	1726.3	1749.3	1787.9	1792.8	1711.8
20°	1405.4	1403.9	1412.8	1436.3	1494.5	1576.3	1670.0	1701.6	1757.2	1774.5	1679.6
22.5°	1369.1	1368.9	1369.1	1380.3	1427.7	1503.9	1615.1	1653.6	1727.4	1760.0	1644.0
25°	1362.9	1362.2	1356.8	1355.5	1382.4	1443.3	1560.7	1603.2	1698.9	1749.8	1610.1
27.5°	1379.0	1380.0	1372.8	1361.2	1366.6	1403.5	1513.5	1558.9	1676.2	1747.8	1586.6
30°	1412.4	1411.9	1405.7	1393.6	1383.0	1388.6	1479.8	1525.3	1660.8	1756.5	1570.6
32.5°	1449.2	1451.9	1450.7	1444.0	1428.2	1405.4	1469.7	1514.2	1656.3	1777.2	1563.6
35°	1493.4	1496.5	1505.3	1510.5	1491.9	1455.4	1491.5	1530.0	1669.2	1816.3	1574.8
37.5°	1535.4	1543.1	1568.1	1590.1	1574.3	1533.5	1549.3	1576.8	1709.0	1877.8	1604.7
40°	1583.9	1590.6	1631.4	1678.1	1675.7	1633.4	1642.5	1660.8	1779.2	1966.2	1658.9
42.5°	1631.6	1645.0	1704.1	1770.3	1789.4	1752.1	1766.6	1776.3	1878.1	2083.1	1753.3
45°	1695.1	1709.5	1791.6	1871.5	1916.0	1894.9	1918.1	1921.9	2002.5	2242.2	1890.4
47.5°	1791.3	1807.7	1903.3	1987.1	2055.1	2057.4	2095.7	2094.2	2157.7	2424.5	2063.3
50°	1941.2	1964.6	2043.0	2121.3	2203.9	2249.9	2301.1	2293.9	2343.9	2618.6	2262.3
52.5°	2137.5	2148.3	2206.4	2264.3	2366.9	2469.9	2543.4	2536.9	2555.0	2818.1	2488.3
55°	2340.9	2349.0	2373.1	2404.7	2542.7	2710.7	2866.0	2855.9	2810.1	3025.2	2711.5
57.5°	2523.9	2540.4	2556.9	2570.1	2719.6	2962.4	3196.0	3196.8	3087.0	3248.7	2942.2
60°	2552.2	2566.9	2676.4	2779.8	3022.5	3298.1	3549.3	3541.9	3373.6	3491.3	3199.3
62.5°	2256.1	2289.0	2471.9	2746.9	3314.2	3912.2	4000.0	3990.8	3716.1	3790.1	3498.7
65°	1616.8	1654.2	1874.9	2288.0	3172.8	4588.8	4813.4	4690.2	4183.4	4157.8	3849.2
67.5°	932.7	941.6	1037.4	1369.1	2415.8	4624.3	6054.1	5881.8	4909.0	4574.8	4020.8
70°	689.7	689.5	712.2	842.5	1307.3	3774.0	6644.2	6798.8	5672.9	4712.0	3778.2
71°	623.8	624.5	650.0	766.8	1035.3	3159.0	6518.9	6857.1	5874.1	4644.3	3602.8
72.5°	533.5	535.9	571.3	687.7	870.9	2178.5	5979.0	6507.1	5969.6	4477.2	3328.1
75°	404.7	410.4	459.4	579.7	796.0	1104.8	4388.1	5196.1	5303.1	3950.5	2473.0
77.5°	288.8	295.2	350.6	487.5	756.8	832.7	2938.7	3790.1	3902.6	2531.8	1115.4
80°	182.4	190.1	231.9	387.9	711.0	790.6	1846.8	2547.5	2128.1	810.1	283.8
82.5°	107.1	113.0	143.9	253.4	580.7	761.5	1086.5	1412.1	828.2	244.7	129.1
85°	62.1	64.8	89.7	161.4	421.8	718.6	798.3	789.4	359.4	119.7	61.1
87.5°	28.9	32.1	53.2	84.3	234.1	520.9	630.9	545.1	223.5	56.1	28.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3	1966.3
2.5°	1949.3	1945.1	1927.5	1911.9	1895.7	1874.4	1850.9	1848.0	1833.6	1836.3	1831.4
5°	1910.7	1900.1	1857.8	1819.5	1774.3	1733.7	1689.8	1669.5	1640.3	1638.3	1630.9
7.5°	1855.6	1835.9	1770.3	1697.7	1625.0	1555.7	1487.2	1442.3	1396.3	1376.8	1375.0
10°	1793.6	1760.0	1663.6	1556.0	1451.2	1350.1	1252.1	1179.7	1114.5	1083.6	1082.4
12.5°	1734.8	1685.1	1552.8	1406.5	1263.0	1132.0	997.7	902.6	820.7	793.3	781.7
15°	1684.8	1614.8	1445.0	1257.8	1083.8	901.8	749.1	648.9	573.3	547.1	542.1
17.5°	1636.3	1546.3	1334.5	1107.8	897.4	697.4	544.4	470.0	429.7	419.1	418.8
20°	1588.1	1475.9	1219.1	954.2	717.2	521.6	418.5	385.2	371.5	370.3	368.3
22.5°	1533.5	1401.2	1097.7	800.3	559.7	410.1	355.7	342.4	340.6	345.1	345.1
25°	1482.4	1327.1	974.5	649.4	435.3	342.1	317.7	315.0	319.7	327.6	328.3
27.5°	1434.6	1255.6	854.4	515.4	348.8	301.4	291.2	294.4	302.9	312.0	312.3
30°	1395.3	1188.1	737.7	406.2	294.7	270.9	269.2	275.6	284.8	292.0	293.7
32.5°	1364.9	1130.6	625.0	326.5	259.4	248.2	249.7	255.1	260.8	264.8	267.4
35°	1350.8	1081.1	520.9	275.4	236.8	230.6	232.6	235.6	238.0	241.0	243.3
37.5°	1353.3	1042.7	427.9	243.5	221.8	218.5	218.5	218.5	218.5	220.0	220.3
40°	1376.3	1020.7	352.3	223.2	211.6	208.2	205.4	203.0	201.0	202.0	201.5
42.5°	1435.1	1018.8	296.9	210.4	203.5	197.7	192.3	188.9	186.4	187.4	187.9
45°	1535.0	1043.5	259.6	201.2	195.8	187.1	180.2	176.5	174.8	178.0	178.5
47.5°	1664.2	1097.4	236.8	194.5	188.6	177.3	169.8	166.4	166.8	171.5	172.8
50°	1830.9	1185.0	225.9	190.3	183.7	168.8	161.2	158.2	159.7	166.4	167.9
52.5°	2013.9	1311.0	227.2	189.1	180.5	162.7	154.5	151.1	153.5	159.7	160.9
55°	2225.0	1462.5	247.7	190.9	175.8	158.8	149.1	143.2	145.1	150.8	151.8
57.5°	2459.6	1636.0	289.0	190.3	169.8	155.0	143.4	134.5	135.9	139.4	140.4
60°	2703.9	1845.7	353.0	191.8	167.1	150.6	135.7	124.6	124.1	127.1	127.6
62.5°	2997.0	2088.3	426.2	192.9	168.8	144.9	125.6	114.7	113.2	113.9	114.4
65°	3299.2	2263.8	398.8	188.9	174.3	140.2	116.7	105.0	102.4	101.8	102.1
67.5°	3308.5	2075.7	279.6	180.9	176.5	137.7	110.0	96.9	92.4	90.7	90.5
70°	2967.1	1686.3	217.8	172.6	167.6	133.8	103.8	90.3	83.6	80.9	80.6
71°	2800.5	1552.3	206.4	168.3	160.9	129.8	101.1	87.3	80.3	77.4	76.8
72.5°	2539.2	1391.6	192.6	161.7	148.0	119.7	95.9	83.0	75.9	72.4	71.7
75°	1822.2	910.0	165.4	144.1	122.6	95.4	84.1	74.7	68.5	64.3	63.8
77.5°	702.1	362.1	125.1	119.9	93.9	74.7	69.2	64.5	60.0	55.9	55.6
80°	217.1	162.0	91.2	90.3	68.0	55.6	53.9	52.7	50.9	46.5	45.5
82.5°	115.9	93.0	62.8	58.3	44.5	37.1	39.1	39.5	39.8	35.1	34.6
85°	55.3	49.2	35.3	33.2	25.9	20.8	24.0	25.9	26.2	21.5	20.0
87.5°	26.5	25.7	16.5	12.6	9.7	7.0	8.4	10.4	11.4	8.2	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)