

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: P386161

Luminaire Tested: GAW-SA1D-735-U-SL2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1D-735-U-SL2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7625 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

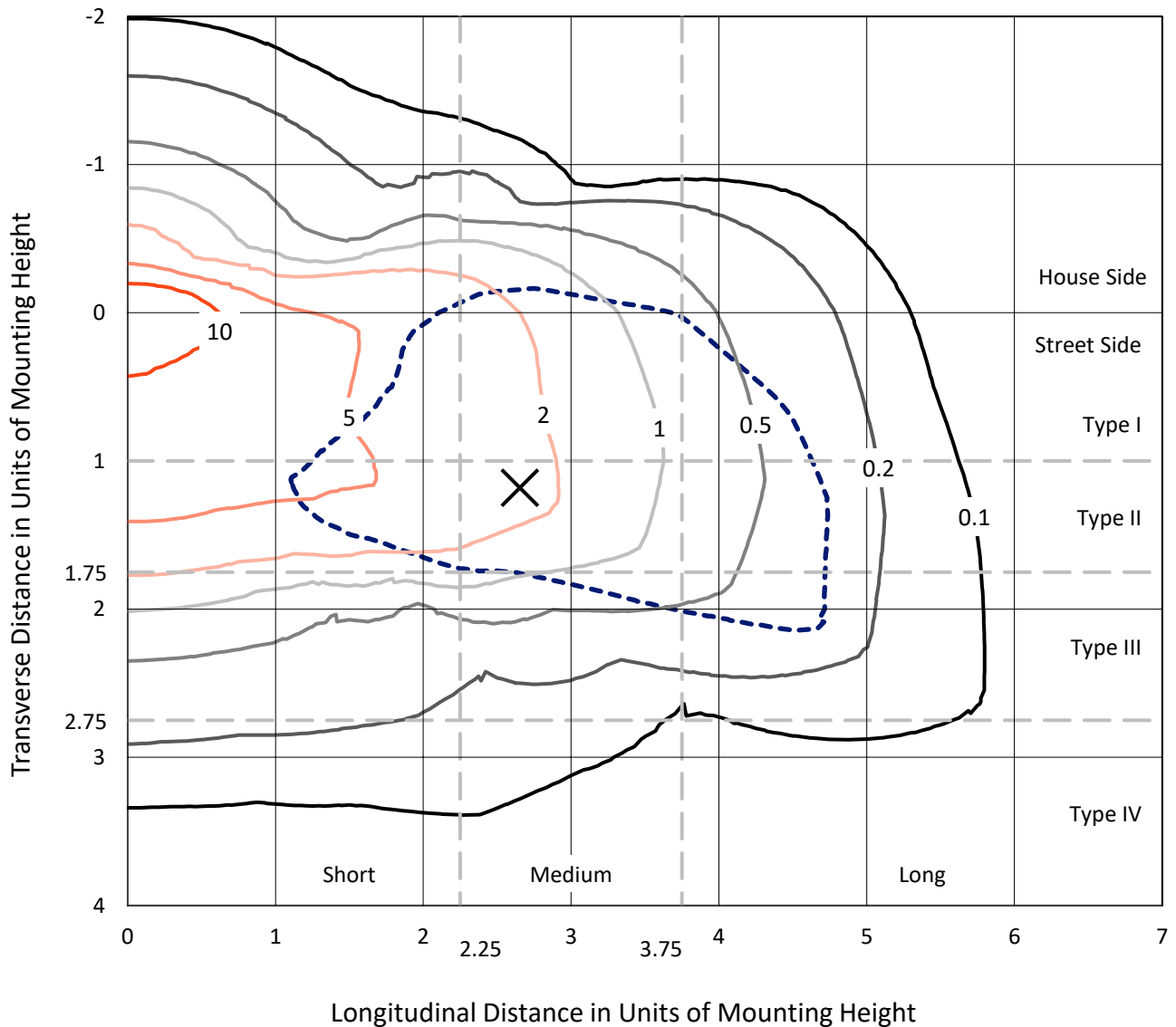
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

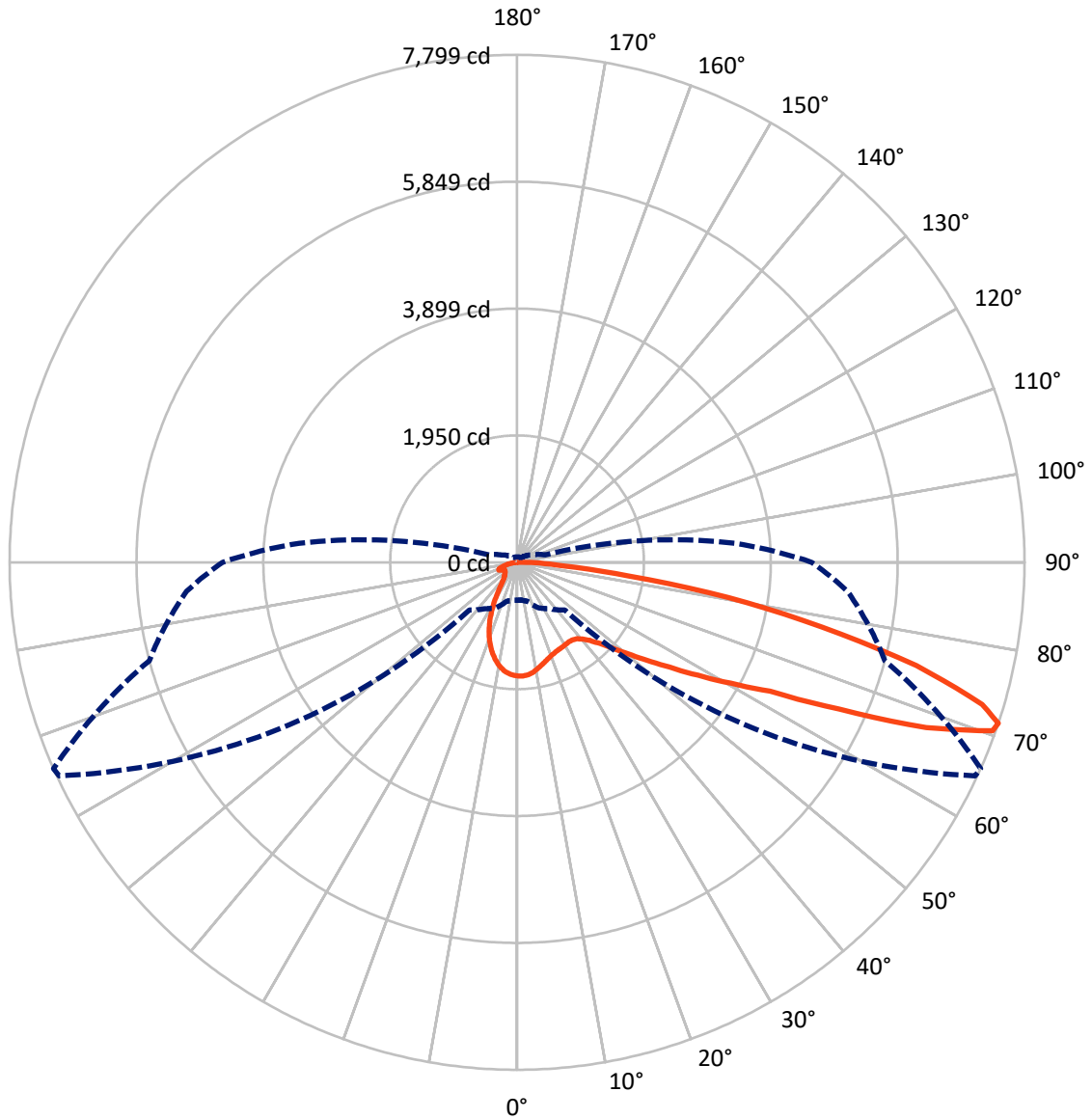
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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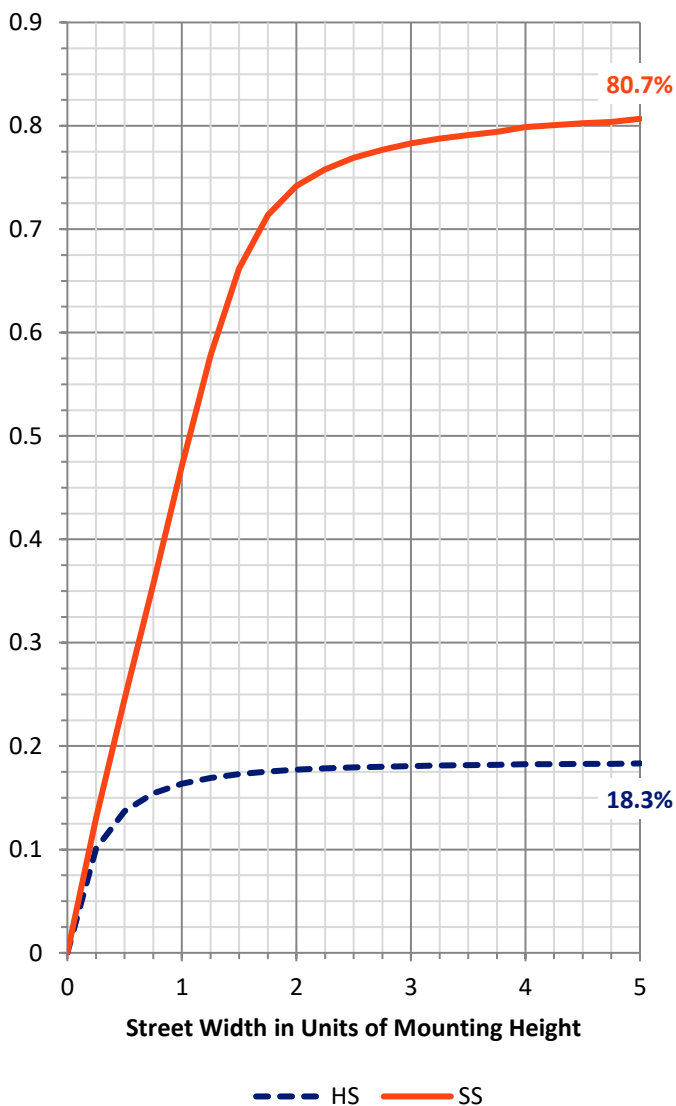
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1413.1	0.0	1413.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6211.9	0.0	6211.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	7625.0	0.0	7625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	2.0
10°-20°	368.8	4.8
20°-30°	495.4	6.5
30°-40°	651.6	8.5
40°-50°	948.0	12.4
50°-60°	1480.8	19.4
60°-70°	1854.9	24.3
70°-80°	1414.9	18.6
80°-90°	256.9	3.4
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°	7625.0	100.0
0°-180°	7625.0	100.0

Coefficient of Utilization

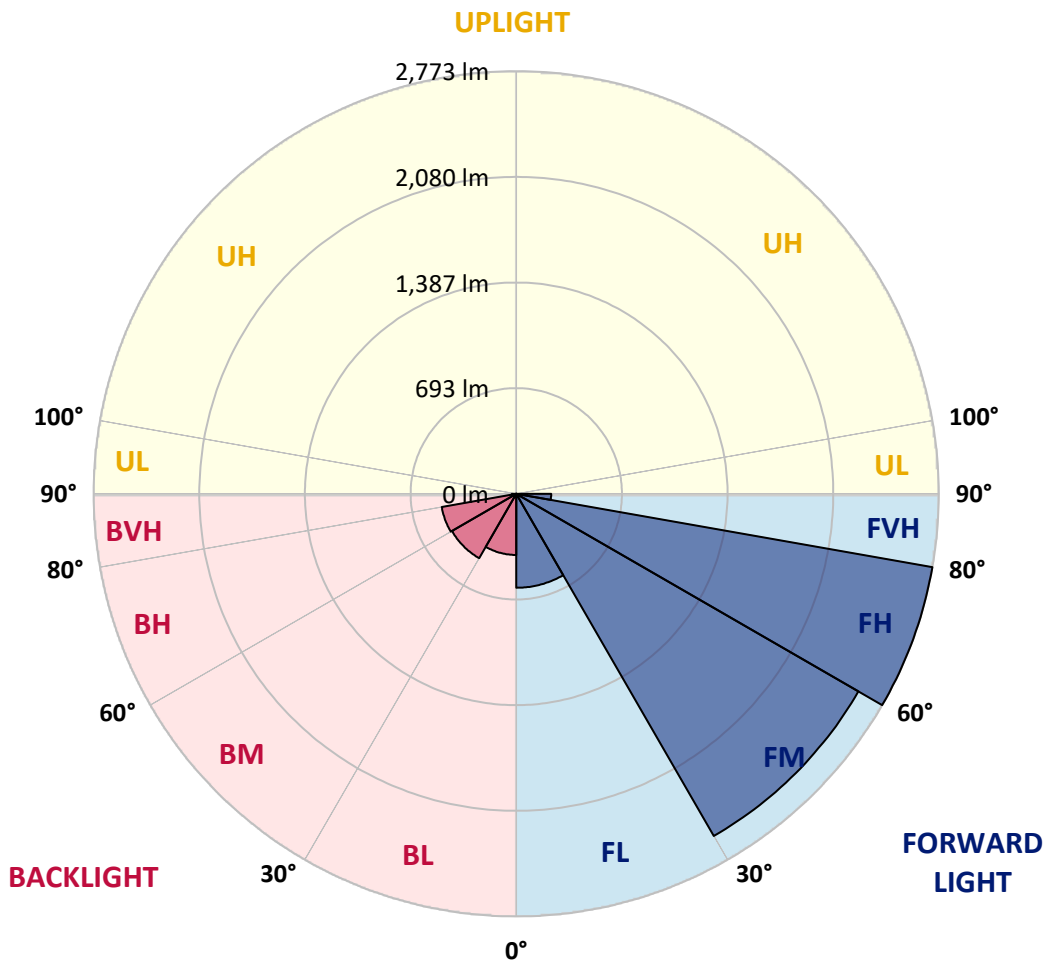


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.6	8.1			
FM (30°-60°)	2592.9	34.0			
FH (60°-80°)	2773.3	36.4			G2/5000
FVH (80°-90°)	229.1	3.0			G3/500
BL (0°-30°)	401.3	5.3	B1/500		
BM (30°-60°)	487.5	6.4	B1/1000		
BH (60°-80°)	496.5	6.5	B1/500		G1/500
BVH (80°-90°)	27.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7
2.5°	1714.4	1711.8	1719.7	1727.8	1730.9	1736.2	1744.1	1748.6	1748.3	1749.2	1746.5
5°	1600.6	1597.3	1613.0	1625.9	1650.7	1678.6	1712.5	1736.8	1737.3	1750.9	1754.7
7.5°	1493.0	1490.6	1508.8	1529.5	1558.3	1600.9	1656.0	1708.1	1711.2	1748.3	1761.3
10°	1406.6	1406.1	1423.7	1446.4	1479.8	1527.5	1590.7	1667.0	1671.7	1735.7	1762.3
12.5°	1339.2	1340.2	1355.5	1381.4	1416.6	1466.4	1534.8	1620.9	1628.5	1715.7	1756.2
15°	1289.5	1293.6	1306.0	1332.2	1366.8	1417.5	1487.7	1578.3	1589.8	1693.4	1752.8
17.5°	1261.0	1265.7	1274.5	1296.1	1328.7	1377.4	1444.0	1543.2	1553.8	1676.2	1753.1
20°	1252.6	1256.5	1261.5	1274.8	1302.4	1346.6	1409.5	1511.7	1522.9	1662.5	1755.7
22.5°	1269.2	1272.1	1272.6	1271.6	1288.4	1324.5	1384.5	1488.5	1500.6	1653.5	1757.5
25°	1304.7	1308.7	1305.8	1296.1	1290.5	1312.6	1371.6	1473.3	1485.4	1646.9	1753.8
27.5°	1358.2	1358.7	1356.3	1343.7	1317.6	1313.9	1367.7	1464.2	1475.9	1639.3	1746.2
30°	1430.8	1434.3	1430.0	1412.9	1370.3	1335.0	1372.4	1455.6	1466.1	1629.6	1733.8
32.5°	1515.9	1524.3	1524.1	1506.1	1445.1	1382.1	1391.9	1450.3	1458.5	1619.3	1718.8
35°	1604.1	1615.7	1637.3	1629.6	1554.0	1456.6	1429.3	1458.8	1464.2	1618.0	1708.3
37.5°	1695.7	1707.3	1751.8	1772.3	1683.9	1563.2	1488.2	1488.5	1491.1	1634.1	1707.5
40°	1791.5	1803.9	1870.7	1924.2	1852.0	1698.3	1583.3	1550.7	1547.7	1673.5	1723.0
42.5°	1925.8	1936.8	2017.2	2085.3	2038.7	1871.3	1714.7	1646.5	1640.4	1750.9	1772.8
45°	2095.6	2105.1	2190.4	2263.3	2239.3	2068.7	1879.7	1778.4	1777.3	1880.0	1873.6
47.5°	2297.5	2304.9	2381.5	2452.0	2460.7	2295.9	2087.1	1981.8	1964.7	2056.9	2029.7
50°	2507.8	2516.0	2568.1	2643.9	2708.5	2600.0	2354.1	2231.2	2208.2	2290.4	2250.9
52.5°	2647.1	2657.9	2703.2	2799.3	2987.0	2933.3	2669.8	2533.4	2498.6	2573.4	2543.1
55°	2585.0	2609.2	2678.4	2832.5	3209.7	3442.4	3059.1	2885.9	2846.6	2908.8	2890.9
57.5°	2302.5	2335.7	2430.2	2667.9	3241.0	3891.1	3647.8	3301.0	3273.4	3255.6	3263.6
60°	1786.3	1818.1	1935.2	2245.2	3022.8	4218.5	4533.7	3812.8	3772.8	3603.5	3610.9
62.5°	1264.2	1248.2	1328.4	1555.1	2456.2	4257.0	5541.7	4497.3	4365.7	3971.1	3938.7
65°	964.1	960.3	996.4	1068.6	1487.7	3797.0	6142.2	5647.8	5442.2	4403.3	4327.0
67.5°	792.2	785.6	821.1	926.1	958.0	2449.7	6155.4	6982.5	6780.6	4941.5	4776.2
70°	651.3	644.0	677.1	812.7	885.4	1242.3	5180.5	7764.2	7753.4	5622.7	5115.2
71°	583.9	578.7	618.4	769.0	869.8	1035.4	4472.8	7766.3	7798.7	5853.4	5095.2
72.5°	475.4	477.3	519.4	684.4	858.2	914.3	3287.4	7404.3	7472.7	6073.2	4913.3
75°	315.9	317.5	372.8	526.5	832.2	894.6	1806.7	6213.1	6338.8	5941.6	4483.4
77.5°	212.2	211.6	249.3	361.2	725.0	894.6	1059.4	4646.9	4785.1	4727.7	3456.4
80°	146.1	145.0	171.6	249.3	548.9	905.4	819.1	3256.6	3298.4	2553.1	1404.8
82.5°	89.5	90.3	112.2	176.1	373.6	814.8	773.2	1775.7	1730.2	716.1	351.0
85°	51.3	51.1	71.6	119.3	239.8	687.6	754.0	764.3	701.1	215.6	126.9
87.5°	18.4	19.7	38.4	66.0	137.4	478.9	639.7	397.6	358.3	97.4	57.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7	1746.7
2.5°	1744.6	1746.2	1744.4	1733.8	1724.9	1710.4	1702.3	1690.9	1687.5	1685.9	1690.2
5°	1751.2	1751.8	1736.2	1708.6	1677.5	1640.9	1614.6	1582.2	1566.9	1560.3	1564.6
7.5°	1757.3	1754.9	1721.0	1668.1	1610.7	1546.9	1490.3	1438.5	1408.2	1395.8	1396.9
10°	1758.1	1748.0	1693.5	1611.7	1522.8	1429.3	1342.4	1262.4	1211.8	1178.9	1188.9
12.5°	1749.9	1733.1	1653.3	1538.8	1415.3	1287.9	1170.5	1050.4	978.3	944.8	945.9
15°	1743.6	1713.1	1603.8	1453.0	1287.1	1118.3	958.0	816.9	740.1	705.8	689.8
17.5°	1738.3	1691.5	1546.4	1356.3	1135.7	921.6	729.0	603.1	561.0	551.0	546.8
20°	1730.9	1668.6	1482.5	1244.4	963.3	701.6	532.4	470.2	470.4	482.0	483.6
22.5°	1720.7	1642.5	1414.3	1118.9	778.2	511.0	417.3	399.3	417.6	439.6	443.6
25°	1705.4	1611.7	1338.4	980.2	593.4	392.8	356.5	355.7	377.8	400.9	404.4
27.5°	1683.9	1571.4	1254.2	831.1	437.3	333.9	319.3	324.8	341.2	358.0	359.3
30°	1654.8	1524.5	1161.3	673.9	342.8	297.2	295.6	300.6	310.7	322.5	323.5
32.5°	1623.0	1476.9	1062.0	521.8	293.6	277.5	279.1	281.4	286.1	290.9	292.0
35°	1594.1	1428.2	960.3	396.5	270.1	264.5	263.5	263.0	263.5	261.9	262.2
37.5°	1575.4	1388.0	854.6	315.6	256.6	253.3	250.1	246.1	241.7	239.1	239.5
40°	1568.5	1357.9	747.4	272.7	245.7	243.2	237.2	228.7	223.5	221.9	221.9
42.5°	1586.9	1342.4	644.0	251.2	236.4	232.5	222.4	212.7	208.7	208.5	208.3
45°	1643.3	1348.7	545.5	239.3	228.0	220.4	207.2	199.1	196.4	196.9	196.6
47.5°	1744.4	1388.4	461.2	231.4	219.5	209.6	194.8	188.3	185.1	185.1	185.3
50°	1916.3	1481.4	394.1	224.8	212.5	199.5	185.9	177.7	173.5	173.2	173.2
52.5°	2166.6	1647.8	352.3	219.3	204.6	190.6	176.9	166.6	161.7	160.6	160.1
55°	2480.5	1886.3	340.6	215.6	194.0	180.8	166.1	155.8	150.3	148.0	147.7
57.5°	2831.4	2176.4	363.5	211.2	183.3	169.3	154.2	144.6	138.7	135.8	135.6
60°	3186.5	2493.2	457.0	204.8	174.3	156.6	142.1	133.2	127.4	124.3	123.7
62.5°	3542.2	2826.9	647.9	204.3	168.0	144.6	129.8	122.1	116.7	113.2	112.4
65°	3943.4	3192.3	864.8	218.2	165.9	133.5	117.1	111.1	106.3	103.2	103.0
67.5°	4404.2	3604.8	844.0	247.0	172.9	123.4	105.3	100.6	97.1	94.5	94.2
70°	4620.3	3540.4	524.7	267.3	183.0	113.8	93.9	90.6	87.9	86.0	85.3
71°	4529.8	3361.6	439.9	264.8	182.0	109.5	89.5	86.9	84.3	82.7	81.9
72.5°	4282.8	3065.7	367.0	246.4	170.0	101.9	83.7	81.1	78.7	76.8	76.4
75°	3843.2	2738.0	293.8	196.9	135.6	86.0	73.5	70.5	68.7	67.6	66.6
77.5°	2825.0	1953.9	227.2	155.6	99.8	70.3	62.7	60.6	58.7	57.1	56.4
80°	1082.3	756.9	152.9	116.1	73.2	55.5	50.5	49.5	47.6	46.6	46.6
82.5°	291.4	226.1	81.6	70.3	48.9	40.6	38.7	38.1	36.6	34.5	34.8
85°	118.0	99.8	45.8	38.7	30.0	24.0	26.0	26.3	24.5	21.9	22.1
87.5°	51.9	42.4	25.6	17.1	13.2	9.2	11.8	11.8	10.8	8.9	8.2
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)