

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: P385938

Luminaire Tested: GAW-SA1C-740-U-SL3-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1C-740-U-SL3-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6453 lumens  
Efficiency: N/A  
Efficacy: 109.4 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

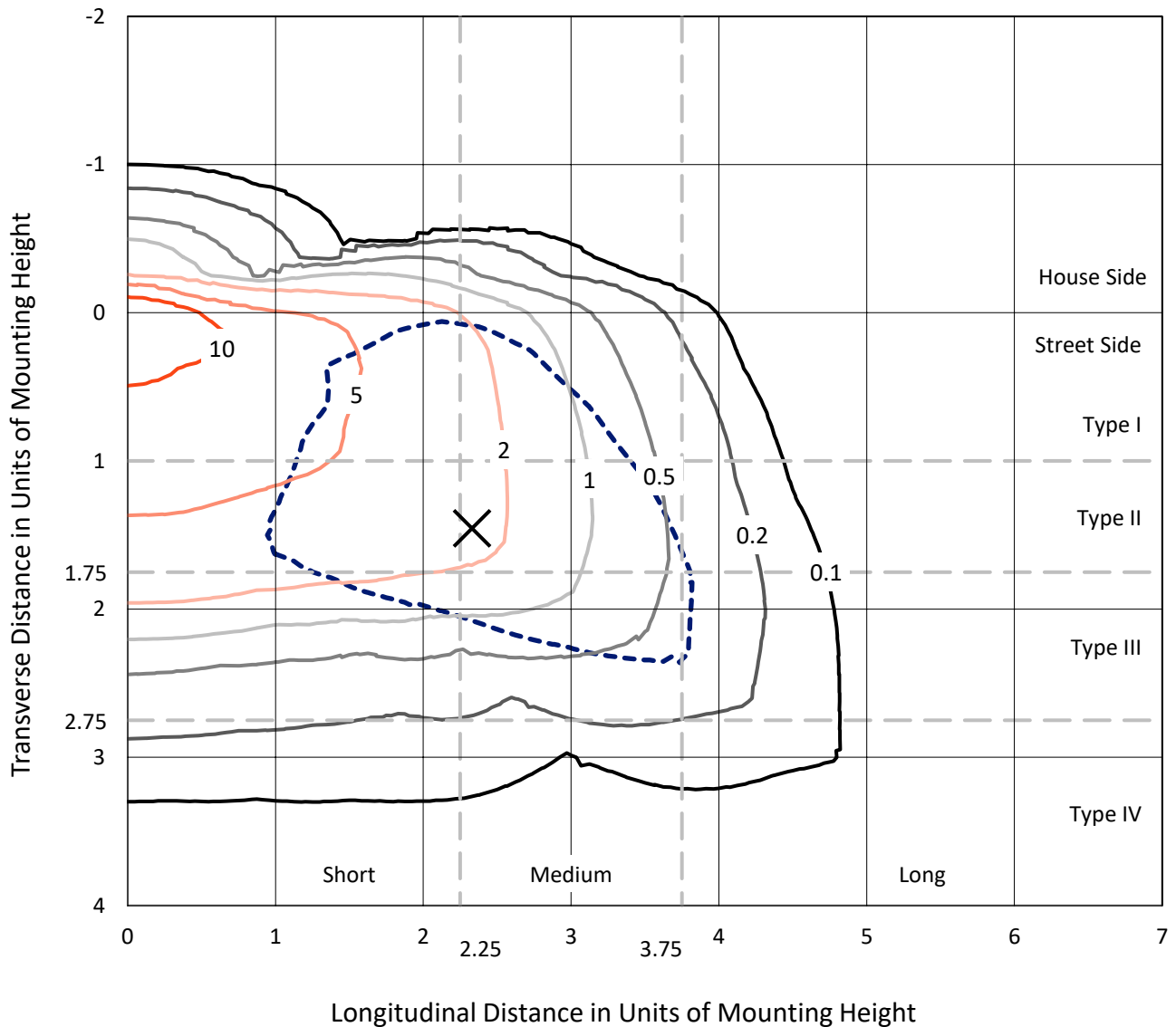
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

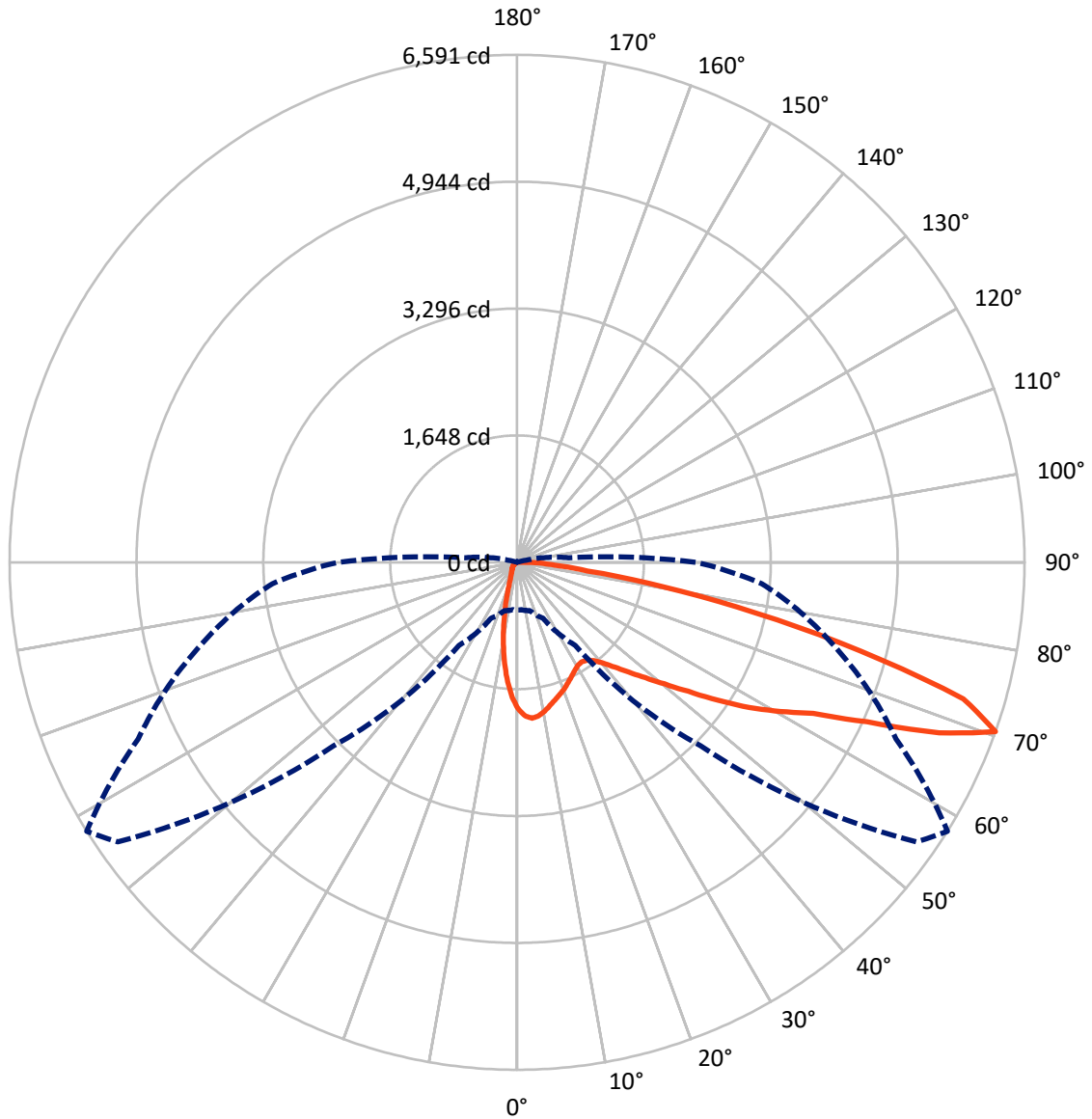
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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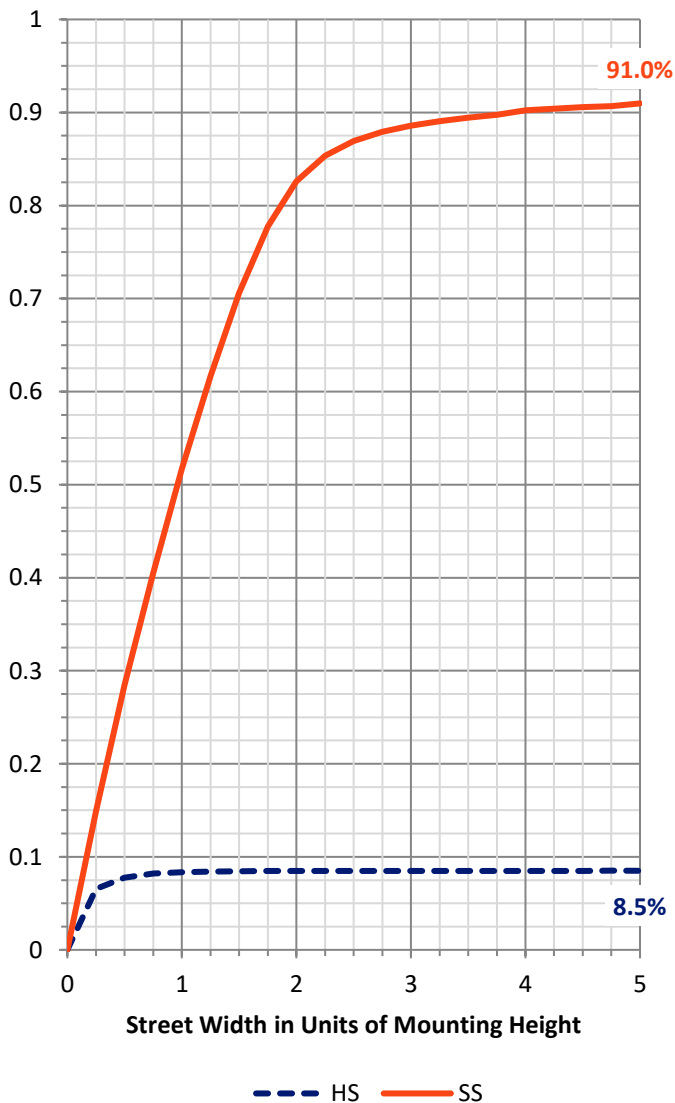
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	552.2	0.0	552.2
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	5900.8	0.0	5900.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	6453.0	0.0	6453.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.4
10°-20°	327.2	5.1
20°-30°	430.1	6.7
30°-40°	569.6	8.8
40°-50°	851.4	13.2
50°-60°	1363.9	21.1
60°-70°	1719.2	26.6
70°-80°	927.3	14.4
80°-90°	108.5	1.7
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°	6453.0	100.0
0°-180°	6453.0	100.0

**Coefficient of Utilization**

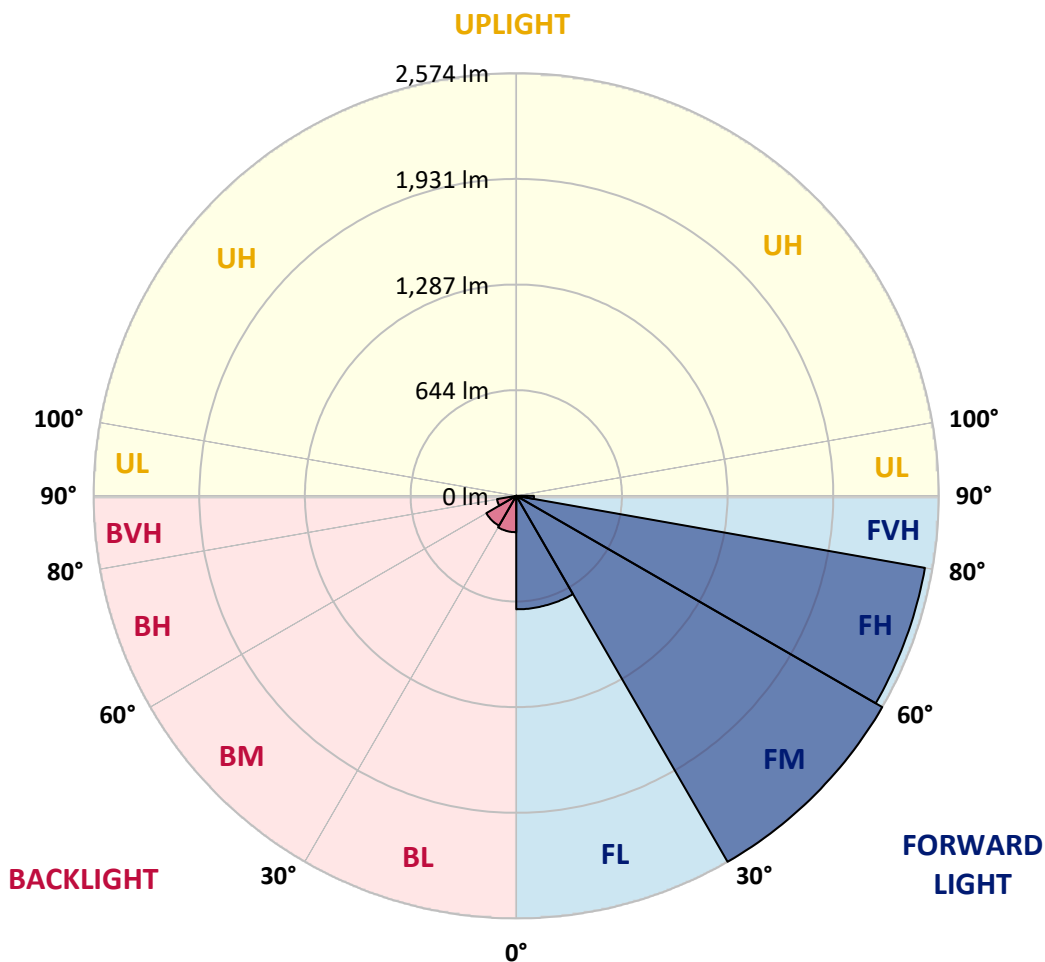


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.3	10.7			
FM (30°-60°)	2574.2	39.9			
FH (60°-80°)	2527.7	39.2			G2/5000
FVH (80°-90°)	107.6	1.7			G2/225
BL (0°-30°)	221.9	3.4	B1/500		
BM (30°-60°)	210.7	3.3	B0/220		
BH (60°-80°)	118.8	1.8	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
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°	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2
2.5°	2064.2	2059.1	2057.3	2054.0	2041.7	2029.6	2005.7	1999.0	1984.0	1948.3	1910.5
5°	2065.8	2065.6	2071.2	2069.9	2065.6	2059.9	2042.8	2033.9	2008.4	1957.4	1888.2
7.5°	1966.3	1971.4	1984.0	1994.2	2006.0	2021.3	2023.4	2014.9	1993.9	1938.9	1847.2
10°	1832.7	1840.7	1858.4	1878.5	1909.4	1940.0	1967.4	1966.3	1959.0	1904.8	1797.8
12.5°	1698.8	1708.2	1728.6	1758.3	1802.1	1852.0	1900.8	1907.5	1919.6	1874.3	1752.2
15°	1581.5	1589.6	1609.7	1646.2	1700.4	1767.5	1839.1	1851.4	1882.6	1850.4	1714.1
17.5°	1482.0	1487.1	1501.8	1542.3	1605.1	1686.4	1779.5	1803.7	1850.1	1831.6	1681.1
20°	1412.5	1413.3	1422.9	1451.4	1514.2	1605.1	1717.8	1752.4	1815.8	1815.5	1647.0
22.5°	1378.1	1375.4	1377.3	1393.7	1439.8	1527.6	1656.1	1697.2	1784.9	1801.8	1612.4
25°	1371.7	1369.5	1364.2	1366.3	1394.2	1459.7	1593.9	1641.3	1757.8	1793.5	1582.3
27.5°	1391.8	1394.0	1384.8	1375.2	1377.3	1415.7	1538.6	1593.6	1735.8	1793.5	1561.1
30°	1432.3	1433.4	1426.7	1414.1	1397.2	1403.3	1500.2	1555.2	1724.8	1805.8	1547.7
32.5°	1477.1	1483.0	1482.2	1472.0	1447.9	1422.9	1491.1	1541.3	1724.0	1833.2	1546.4
35°	1532.7	1539.4	1550.7	1548.5	1523.3	1482.2	1522.2	1561.7	1739.8	1878.3	1560.9
37.5°	1591.7	1601.9	1626.1	1637.6	1621.2	1574.8	1592.0	1620.2	1782.2	1951.3	1597.6
40°	1648.9	1660.4	1704.4	1749.8	1737.4	1689.6	1697.7	1720.2	1857.6	2056.2	1667.4
42.5°	1704.9	1722.1	1786.8	1861.4	1876.1	1838.0	1842.3	1860.3	1969.5	2200.5	1781.4
45°	1772.0	1791.3	1887.1	1979.2	2018.6	2002.0	2020.2	2032.0	2115.7	2391.3	1935.2
47.5°	1870.5	1892.8	2010.3	2115.2	2184.4	2195.2	2231.9	2239.7	2300.6	2613.5	2135.6
50°	2062.6	2068.8	2175.0	2270.3	2370.1	2434.5	2476.4	2482.3	2524.4	2856.3	2386.0
52.5°	2304.4	2308.4	2368.5	2432.4	2545.9	2677.4	2775.3	2783.6	2792.5	3093.0	2633.1
55°	2544.5	2544.0	2583.7	2621.3	2751.1	2942.2	3154.7	3159.8	3096.2	3317.6	2822.0
57.5°	2694.5	2709.0	2769.4	2817.7	2999.1	3244.1	3538.9	3557.7	3415.2	3483.9	3008.7
60°	2646.8	2653.7	2787.6	2966.3	3307.9	3673.1	3927.8	3932.6	3655.1	3650.0	3244.9
62.5°	2255.0	2258.8	2469.1	2837.5	3464.4	4229.6	4396.8	4318.2	3931.0	3880.5	3527.4
65°	1545.6	1570.0	1745.7	2201.1	3177.0	4578.7	5122.9	4992.7	4351.4	4212.7	3782.9
67.5°	910.2	905.1	992.0	1327.4	2333.4	4346.9	6041.4	5912.0	4924.8	4435.2	3708.0
70°	621.7	618.2	651.5	803.6	1317.2	3372.0	6330.3	6591.4	5431.2	4285.4	3191.2
72.5°	443.8	445.7	494.8	624.4	827.0	1964.7	5443.8	6061.7	5272.6	3735.9	2425.7
75°	301.3	306.4	376.7	512.2	725.0	999.5	3863.1	4608.0	4293.5	2715.2	1394.2
77.5°	162.1	167.7	250.6	412.7	655.5	694.4	2485.0	3171.3	2696.9	1220.6	404.1
80°	67.6	70.8	117.3	300.0	566.4	609.9	1462.1	1923.1	1149.2	240.7	90.2
82.5°	29.2	30.9	48.8	179.0	423.4	514.9	774.1	925.2	348.3	52.9	45.3
85°	5.6	5.9	20.1	94.7	270.2	290.6	501.8	491.8	156.4	22.8	33.0
87.5°	0.0	0.0	4.8	29.8	79.4	158.3	306.2	302.4	53.1	11.0	12.3
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°	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2	1906.2
2.5°	1891.2	1872.6	1833.7	1785.7	1748.9	1708.4	1676.2	1635.4	1617.7	1618.5	1608.9
5°	1848.8	1810.7	1724.5	1615.9	1532.1	1445.7	1371.4	1297.4	1253.6	1239.4	1226.0
7.5°	1788.1	1727.7	1590.4	1422.9	1281.3	1142.8	1022.3	916.3	849.3	816.5	804.4
10°	1719.7	1634.9	1436.1	1215.5	1013.2	825.9	669.7	534.0	479.8	443.0	433.6
12.5°	1659.6	1544.8	1285.3	1002.7	762.6	536.7	387.7	303.2	266.4	252.0	249.5
15°	1603.0	1460.5	1140.1	810.1	528.1	330.3	246.6	217.9	209.3	206.9	206.9
17.5°	1549.6	1380.3	998.2	620.4	349.4	231.6	204.2	197.8	195.1	194.8	195.1
20°	1493.8	1300.0	858.6	454.5	243.9	196.1	188.6	185.1	184.3	184.3	184.3
22.5°	1440.4	1219.8	722.9	324.7	195.6	179.0	175.2	172.8	172.0	171.7	171.2
25°	1389.1	1143.6	590.3	229.4	171.7	163.9	160.7	157.5	155.1	153.8	152.9
27.5°	1347.0	1075.7	466.9	184.1	155.1	148.4	144.4	139.5	133.6	130.9	129.9
30°	1313.5	1013.7	359.8	155.4	139.5	132.8	126.6	118.3	109.7	105.2	104.9
32.5°	1287.2	952.8	273.2	137.4	125.6	117.3	108.4	97.9	88.0	82.9	82.6
35°	1274.3	899.2	208.8	124.2	113.2	102.8	91.8	80.2	70.6	65.7	65.2
37.5°	1282.9	853.8	162.9	113.2	102.8	90.7	77.8	65.7	57.2	52.9	52.6
40°	1314.3	824.8	132.3	103.8	93.9	79.2	65.2	53.9	46.7	43.2	42.9
42.5°	1381.1	814.1	113.0	96.1	85.3	68.4	54.2	44.5	37.8	35.4	34.9
45°	1492.7	829.9	99.8	88.5	76.5	58.2	44.8	36.5	30.6	28.7	28.4
47.5°	1641.3	871.5	90.4	81.3	68.4	49.1	37.3	29.5	25.0	23.1	22.8
50°	1832.9	937.5	82.6	74.1	60.9	41.6	30.9	23.3	19.3	18.0	18.0
52.5°	2041.4	1016.1	75.7	67.3	53.4	34.6	25.0	18.0	15.3	13.7	13.7
55°	2213.7	1084.8	68.2	62.3	44.3	28.7	19.1	13.7	11.3	10.5	10.5
57.5°	2385.7	1158.1	59.6	53.4	35.4	23.3	14.5	10.2	8.3	7.8	7.8
60°	2608.7	1247.7	51.3	43.5	27.9	17.7	10.7	7.2	6.2	5.9	5.9
62.5°	2853.9	1300.3	43.7	34.9	21.7	13.1	7.8	4.8	4.6	4.6	4.3
65°	3003.9	1226.0	36.8	27.9	16.9	9.9	5.1	3.5	4.0	3.8	3.2
67.5°	2812.6	959.8	30.1	21.7	13.1	7.5	3.2	2.4	4.3	3.5	2.7
70°	2328.8	671.9	23.3	15.3	10.5	6.4	2.1	1.6	4.6	3.5	2.1
72.5°	1742.8	449.7	18.5	10.2	7.8	5.6	1.9	0.8	4.0	3.0	1.9
75°	952.3	181.1	14.8	6.4	4.8	4.0	1.3	0.5	2.7	2.1	1.3
77.5°	250.6	47.8	10.7	4.3	2.7	1.6	0.8	0.3	1.3	1.1	0.5
80°	63.9	18.5	7.0	3.0	1.9	0.8	0.0	0.0	0.3	0.0	0.0
82.5°	34.1	7.8	4.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.8	5.1	2.4	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)