

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: P386190

Luminaire Tested: GAW-SA1D-750-U-SL3-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386190  
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-SA1D-750-U-SL3-HSS  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA 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: 7080 lumens  
Efficiency: N/A  
Efficacy: 105.7 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

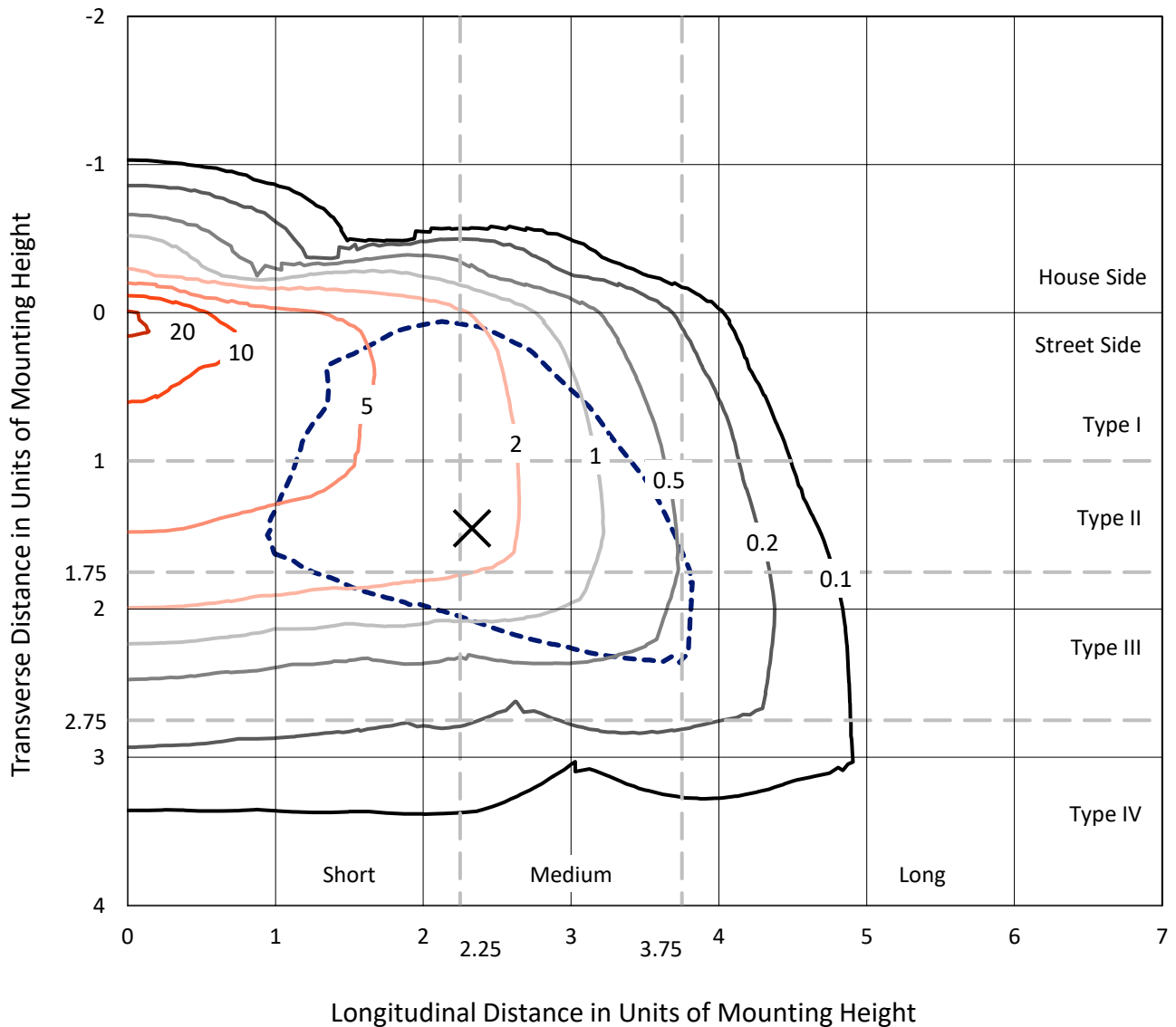
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

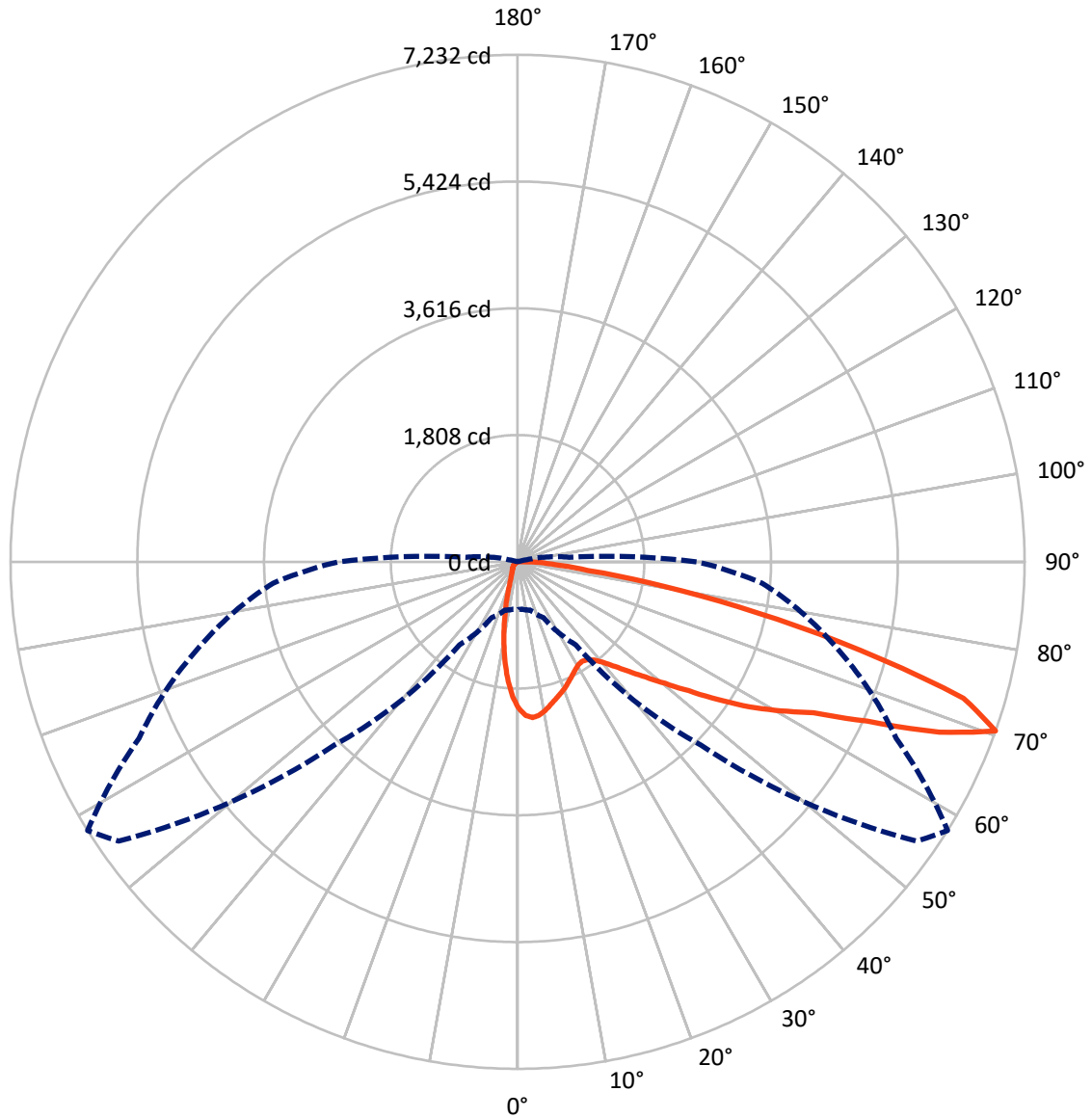
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.2 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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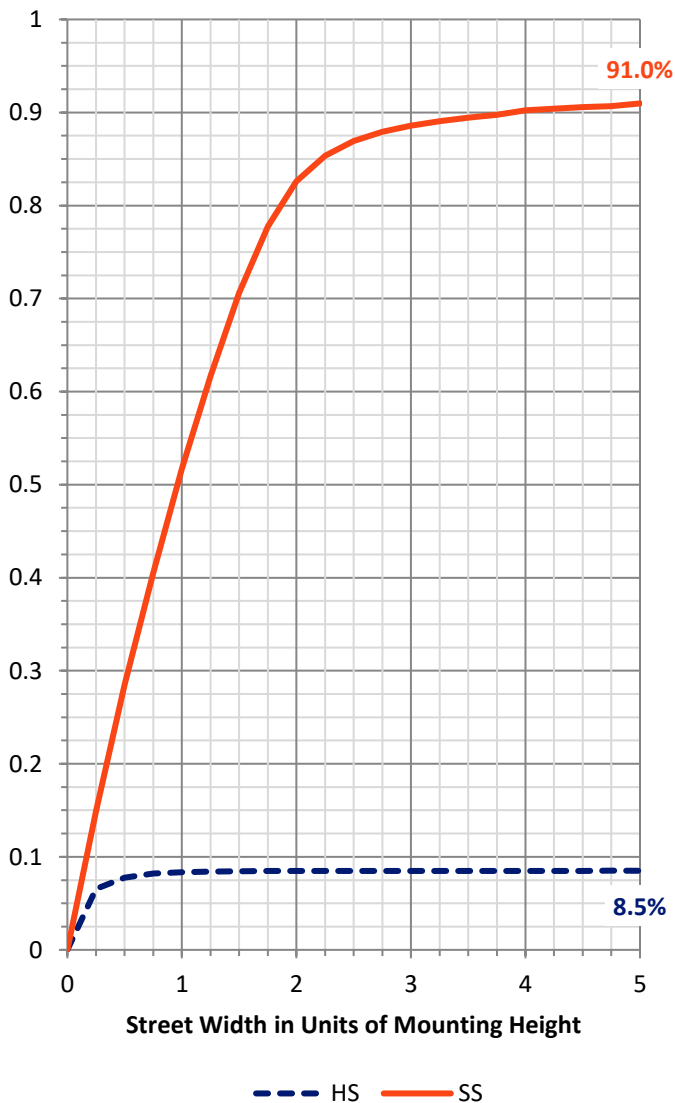
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	605.9	0.0	605.9
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	6474.1	0.0	6474.1
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	7080.0	0.0	7080.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.0	2.4
10°-20°	358.9	5.1
20°-30°	471.9	6.7
30°-40°	625.0	8.8
40°-50°	934.1	13.2
50°-60°	1496.4	21.1
60°-70°	1886.2	26.6
70°-80°	1017.4	14.4
80°-90°	119.1	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°	7080.0	100.0
0°-180°	7080.0	100.0

**Coefficient of Utilization**

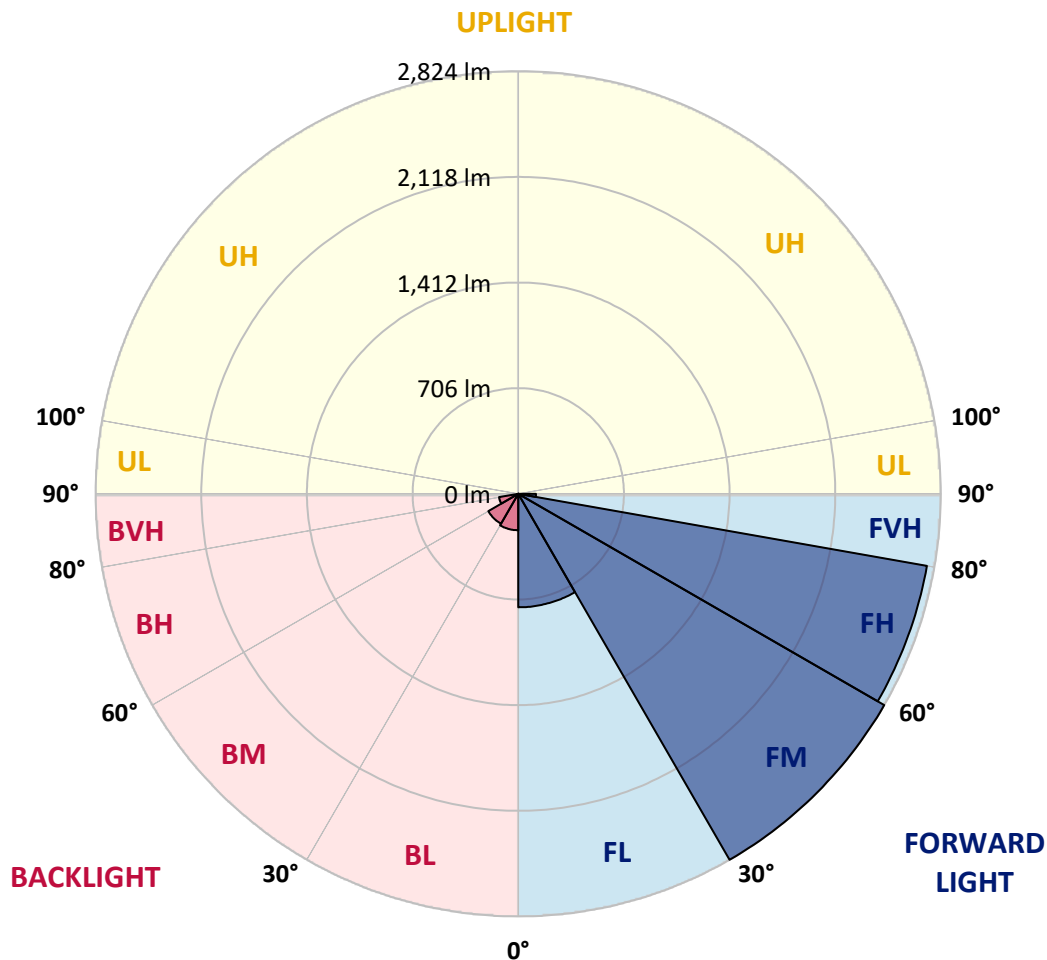


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.4	10.7			
FM (30°-60°)	2824.3	39.9			
FH (60°-80°)	2773.3	39.2			G2/5000
FVH (80°-90°)	118.1	1.7			G2/225
BL (0°-30°)	243.4	3.4	B1/500		
BM (30°-60°)	231.1	3.3	B1/1000		
BH (60°-80°)	130.3	1.8	B1/500		G1/500
BVH (80°-90°)	1.0	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°	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4
2.5°	2264.8	2259.2	2257.1	2253.6	2240.1	2226.8	2200.6	2193.3	2176.8	2137.6	2096.1
5°	2266.6	2266.3	2272.5	2271.0	2266.3	2260.1	2241.2	2231.5	2203.6	2147.6	2071.7
7.5°	2157.3	2162.9	2176.8	2188.0	2200.9	2217.7	2220.1	2210.6	2187.7	2127.3	2026.6
10°	2010.7	2019.6	2039.0	2061.1	2094.9	2128.5	2158.5	2157.3	2149.4	2089.9	1972.5
12.5°	1863.8	1874.1	1896.5	1929.2	1977.2	2031.9	2085.5	2092.9	2106.1	2056.4	1922.4
15°	1735.2	1744.0	1766.1	1806.1	1865.6	1939.2	2017.8	2031.3	2065.5	2030.2	1880.6
17.5°	1626.0	1631.5	1647.7	1692.2	1761.1	1850.3	1952.4	1978.9	2029.9	2009.6	1844.4
20°	1549.7	1550.6	1561.2	1592.4	1661.3	1761.1	1884.7	1922.7	1992.2	1991.9	1807.0
22.5°	1512.0	1509.1	1511.1	1529.1	1579.7	1676.0	1817.0	1862.1	1958.3	1976.9	1769.0
25°	1505.0	1502.6	1496.7	1499.1	1529.7	1601.5	1748.7	1800.8	1928.6	1967.8	1736.1
27.5°	1527.0	1529.4	1519.4	1508.8	1511.1	1553.2	1688.1	1748.4	1904.5	1967.8	1712.8
30°	1571.5	1572.7	1565.3	1551.5	1532.9	1539.7	1646.0	1706.3	1892.4	1981.3	1698.1
32.5°	1620.7	1627.1	1626.3	1615.1	1588.6	1561.2	1636.0	1691.0	1891.5	2011.3	1696.6
35°	1681.6	1689.0	1701.3	1699.0	1671.3	1626.3	1670.1	1713.4	1908.9	2060.8	1712.5
37.5°	1746.4	1757.6	1784.0	1796.7	1778.7	1727.8	1746.7	1777.6	1955.4	2140.9	1752.8
40°	1809.1	1821.7	1870.0	1919.8	1906.2	1853.8	1862.7	1887.4	2038.1	2256.0	1829.4
42.5°	1870.6	1889.4	1960.4	2042.2	2058.4	2016.6	2021.3	2041.1	2160.9	2414.4	1954.5
45°	1944.2	1965.4	2070.5	2171.5	2214.8	2196.5	2216.5	2229.5	2321.3	2623.7	2123.2
47.5°	2052.2	2076.7	2205.6	2320.7	2396.7	2408.5	2448.8	2457.3	2524.2	2867.4	2343.1
50°	2263.0	2269.8	2386.4	2490.9	2600.4	2671.1	2717.0	2723.5	2769.7	3133.9	2617.8
52.5°	2528.3	2532.7	2598.6	2668.7	2793.2	2937.5	3045.0	3054.1	3063.8	3393.5	2888.9
55°	2791.8	2791.2	2834.8	2876.0	3018.5	3228.1	3461.2	3466.8	3397.1	3639.9	3096.2
57.5°	2956.3	2972.2	3038.5	3091.5	3290.5	3559.3	3882.8	3903.4	3747.1	3822.5	3301.1
60°	2903.9	2911.6	3058.5	3254.6	3629.3	4030.0	4309.4	4314.7	4010.3	4004.7	3560.1
62.5°	2474.1	2478.2	2709.0	3113.3	3801.0	4640.6	4824.0	4737.7	4312.9	4257.6	3870.1
65°	1695.7	1722.5	1915.3	2414.9	3485.7	5023.6	5620.6	5477.9	4774.2	4622.0	4150.4
67.5°	998.6	993.0	1088.4	1456.4	2560.1	4769.2	6628.4	6486.5	5403.4	4866.1	4068.3
70°	682.1	678.3	714.8	881.7	1445.2	3699.7	6945.4	7231.9	5958.9	4701.8	3501.3
72.5°	486.9	489.0	542.9	685.1	907.3	2155.6	5972.7	6650.7	5784.9	4098.9	2661.4
75°	330.6	336.2	413.3	562.0	795.5	1096.6	4238.4	5055.7	4710.7	2979.0	1529.7
77.5°	177.8	184.0	275.0	452.8	719.2	761.9	2726.4	3479.5	2959.0	1339.2	443.4
80°	74.2	77.7	128.7	329.1	621.5	669.2	1604.2	2109.9	1260.9	264.1	98.9
82.5°	32.1	33.9	53.6	196.4	464.6	564.9	849.3	1015.1	382.1	58.0	49.8
85°	6.2	6.5	22.1	103.9	296.5	318.8	550.5	539.6	171.6	25.0	36.2
87.5°	0.0	0.0	5.3	32.7	87.1	173.7	335.9	331.8	58.3	12.1	13.5
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°	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4	2091.4
2.5°	2074.9	2054.6	2011.9	1959.2	1918.9	1874.4	1839.1	1794.4	1774.9	1775.8	1765.2
5°	2028.4	1986.6	1892.1	1772.9	1681.0	1586.2	1504.7	1423.4	1375.4	1359.8	1345.1
7.5°	1961.9	1895.6	1744.9	1561.2	1405.7	1253.8	1121.7	1005.4	931.8	895.9	882.6
10°	1886.8	1793.8	1575.6	1333.6	1111.6	906.2	734.8	585.9	526.4	486.0	475.7
12.5°	1820.8	1694.8	1410.2	1100.2	836.7	588.8	425.4	332.7	292.3	276.4	273.8
15°	1758.7	1602.4	1250.9	888.8	579.4	362.4	270.6	239.1	229.6	227.0	227.0
17.5°	1700.1	1514.4	1095.2	680.6	383.3	254.1	224.0	217.0	214.0	213.7	214.0
20°	1638.9	1426.4	942.1	498.7	267.6	215.2	207.0	203.1	202.3	202.3	202.3
22.5°	1580.3	1338.3	793.1	356.2	214.6	196.4	192.2	189.6	188.7	188.4	187.8
25°	1524.1	1254.7	647.7	251.7	188.4	179.9	176.3	172.8	170.2	168.7	167.8
27.5°	1477.9	1180.2	512.3	202.0	170.2	162.8	158.4	153.1	146.6	143.7	142.5
30°	1441.1	1112.2	394.8	170.5	153.1	145.7	139.0	129.8	120.4	115.4	115.1
32.5°	1412.2	1045.4	299.7	150.7	137.8	128.7	118.9	107.5	96.6	91.0	90.7
35°	1398.1	986.5	229.0	136.3	124.2	112.8	100.7	88.0	77.4	72.1	71.5
37.5°	1407.5	936.8	178.7	124.2	112.8	99.5	85.4	72.1	62.7	58.0	57.7
40°	1442.0	905.0	145.1	113.9	103.0	86.8	71.5	59.2	51.2	47.4	47.1
42.5°	1515.3	893.2	123.9	105.4	93.6	75.1	59.5	48.9	41.5	38.9	38.3
45°	1637.7	910.6	109.5	97.2	83.9	63.9	49.2	40.0	33.6	31.5	31.2
47.5°	1800.8	956.2	99.2	89.2	75.1	53.9	40.9	32.4	27.4	25.3	25.0
50°	2011.0	1028.6	90.7	81.3	66.8	45.6	33.9	25.6	21.2	19.7	19.7
52.5°	2239.8	1114.9	83.0	73.9	58.6	38.0	27.4	19.7	16.8	15.0	15.0
55°	2428.8	1190.2	74.8	68.3	48.6	31.5	20.9	15.0	12.4	11.5	11.5
57.5°	2617.5	1270.6	65.4	58.6	38.9	25.6	15.9	11.2	9.1	8.5	8.5
60°	2862.1	1368.9	56.2	47.7	30.6	19.4	11.8	7.9	6.8	6.5	6.5
62.5°	3131.2	1426.6	48.0	38.3	23.8	14.4	8.5	5.3	5.0	5.0	4.7
65°	3295.8	1345.1	40.3	30.6	18.5	10.9	5.6	3.8	4.4	4.1	3.5
67.5°	3085.9	1053.1	33.0	23.8	14.4	8.2	3.5	2.6	4.7	3.8	2.9
70°	2555.1	737.2	25.6	16.8	11.5	7.1	2.4	1.8	5.0	3.8	2.4
72.5°	1912.1	493.4	20.3	11.2	8.5	6.2	2.1	0.9	4.4	3.2	2.1
75°	1044.8	198.7	16.2	7.1	5.3	4.4	1.5	0.6	2.9	2.4	1.5
77.5°	275.0	52.4	11.8	4.7	2.9	1.8	0.9	0.3	1.5	1.2	0.6
80°	70.1	20.3	7.7	3.2	2.1	0.9	0.0	0.0	0.3	0.0	0.0
82.5°	37.4	8.5	4.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.3	5.6	2.6	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	1.8	0.9	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)