

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: P386356

Luminaire Tested: GAW-SA2A-730-U-SL2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2A-730-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7337 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

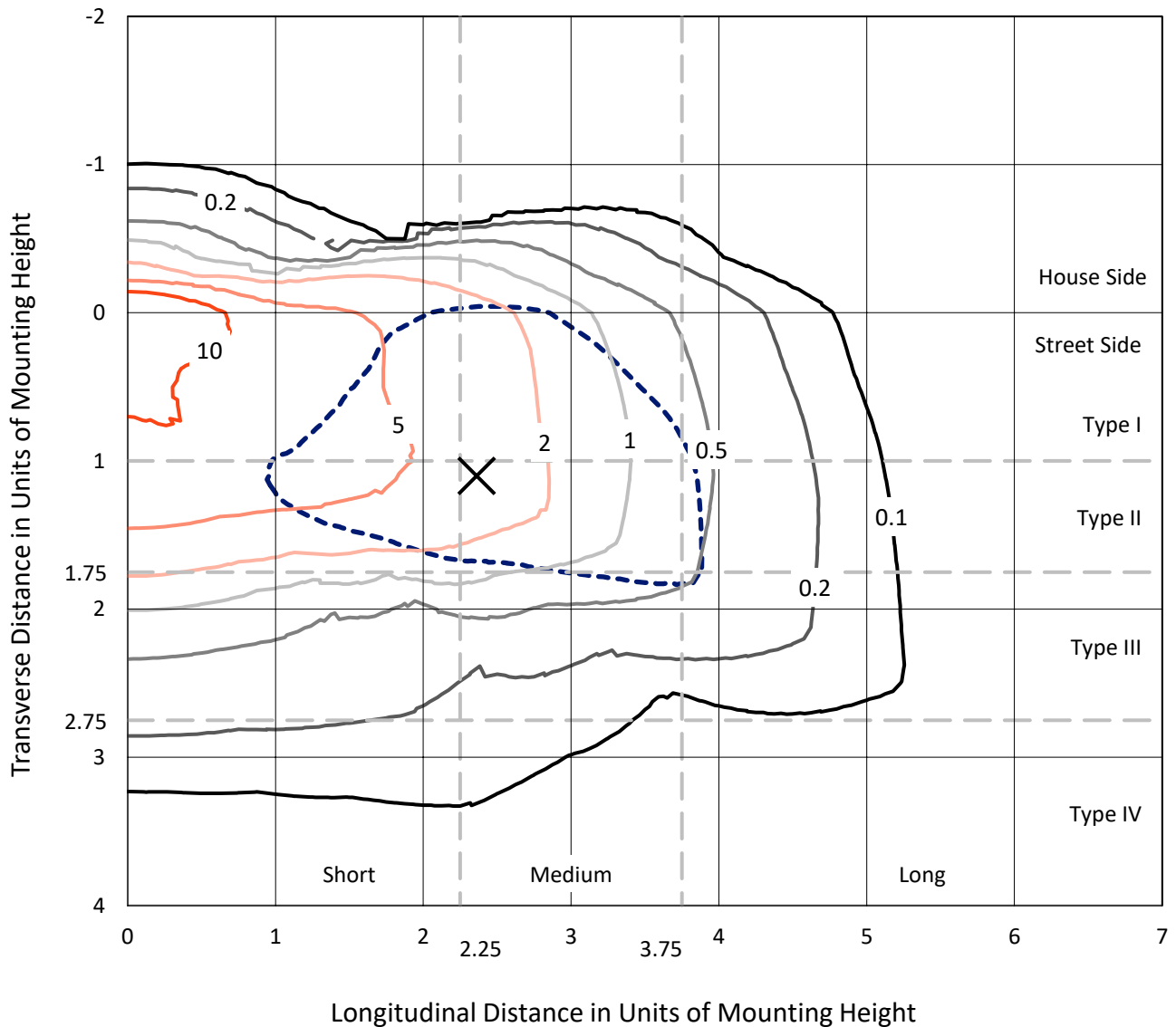
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

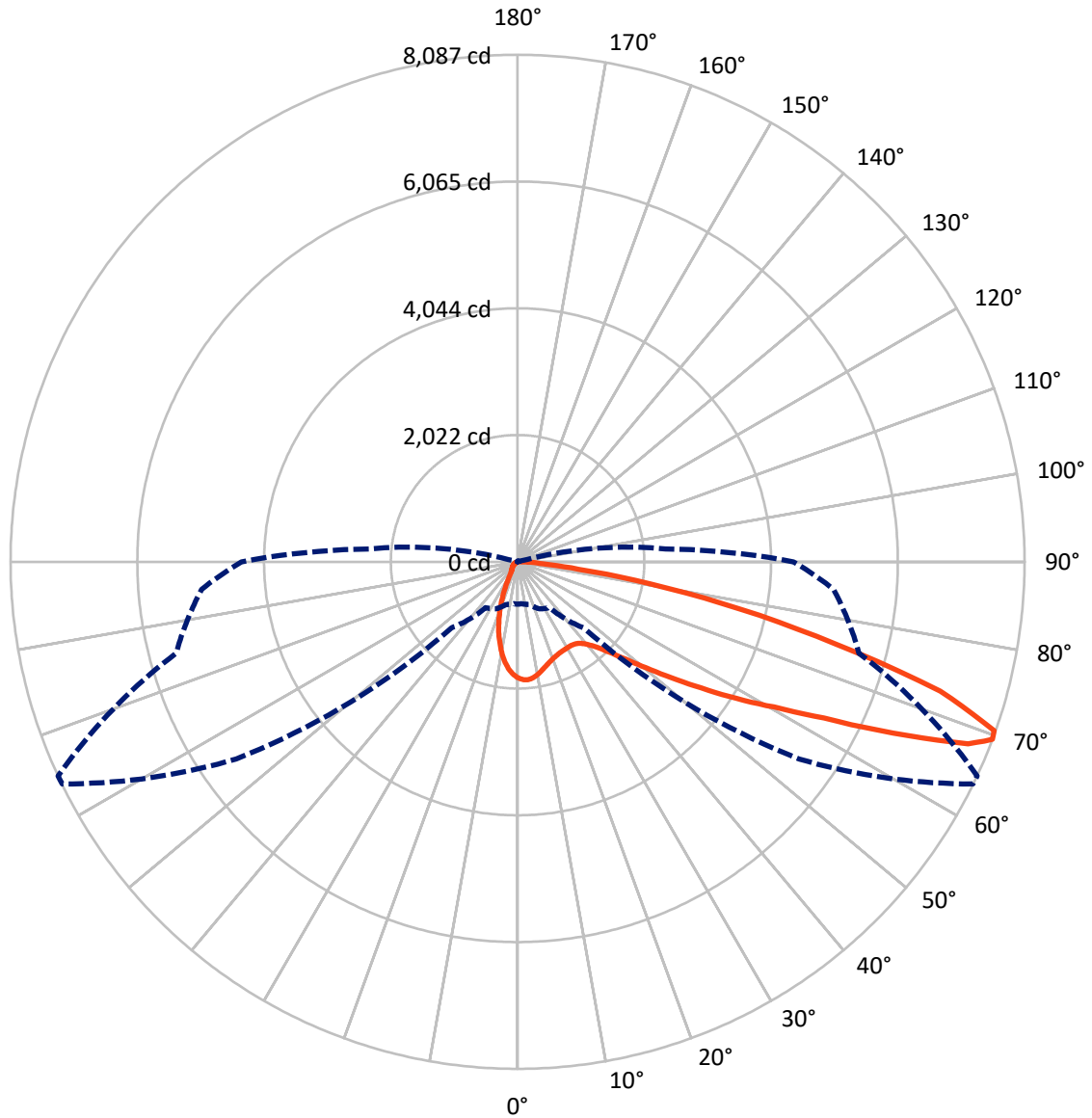
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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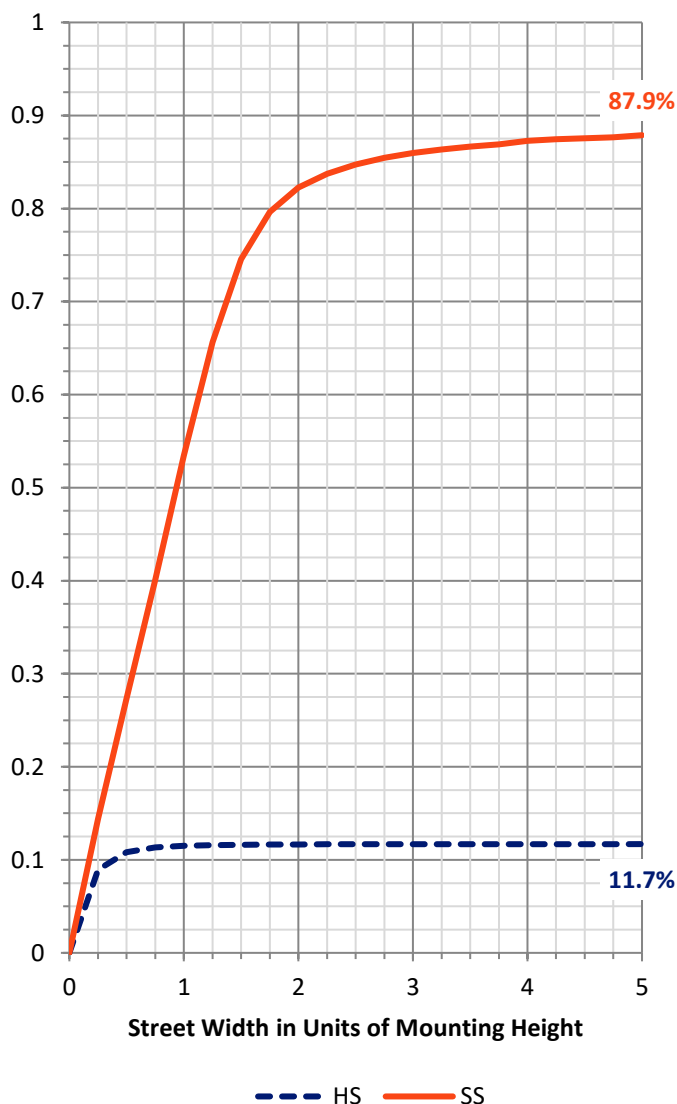
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	864.9	0.0	864.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6472.1	0.0	6472.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	7337.0	0.0	7337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	2.1
10°-20°	339.4	4.6
20°-30°	470.1	6.4
30°-40°	655.4	8.9
40°-50°	1018.7	13.9
50°-60°	1635.5	22.3
60°-70°	1850.0	25.2
70°-80°	1086.5	14.8
80°-90°	126.4	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°	7337.0	100.0
0°-180°	7337.0	100.0

Coefficient of Utilization

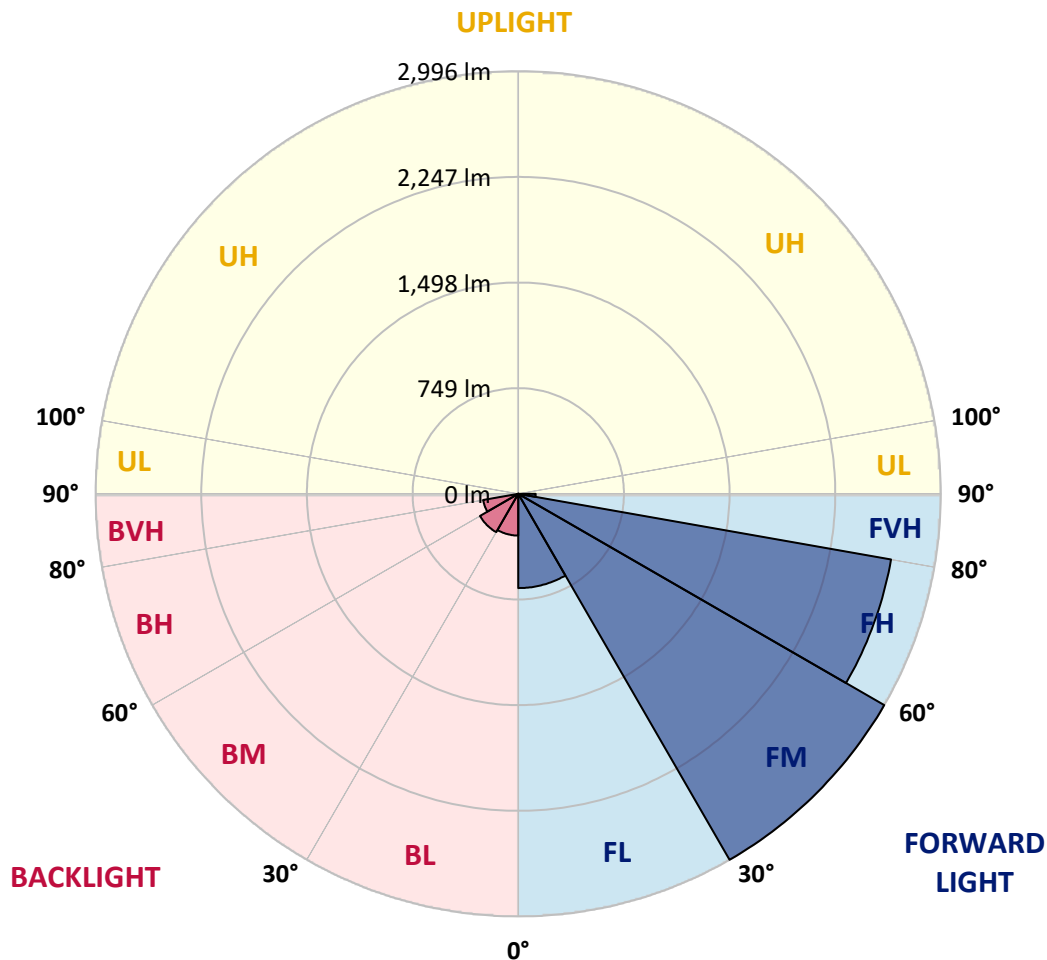


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.6	9.1			
FM (30°-60°)	2996.2	40.8			
FH (60°-80°)	2683.8	36.6			G2/5000
FVH (80°-90°)	123.6	1.7			G2/225
BL (0°-30°)	295.9	4.0	B1/500		
BM (30°-60°)	313.4	4.3	B1/1000		
BH (60°-80°)	252.7	3.4	B1/500		G1/500
BVH (80°-90°)	2.8	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°	64°	65°	75°	85°
0°	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1
2.5°	1870.5	1865.9	1869.6	1877.7	1881.7	1881.7	1884.8	1881.1	1882.3	1873.3	1860.3
5°	1753.5	1746.3	1756.6	1779.3	1807.2	1831.1	1866.5	1885.1	1887.0	1887.3	1872.1
7.5°	1627.4	1620.9	1636.1	1662.8	1698.8	1743.2	1805.0	1859.0	1862.1	1891.3	1880.2
10°	1525.0	1520.3	1538.0	1566.6	1608.8	1658.5	1734.2	1809.4	1818.4	1882.9	1878.9
12.5°	1443.6	1439.9	1456.7	1489.6	1532.7	1587.7	1666.9	1754.1	1766.2	1864.0	1872.7
15°	1384.3	1383.7	1397.7	1429.4	1477.2	1528.4	1609.4	1702.9	1716.8	1843.5	1871.8
17.5°	1353.3	1354.2	1364.5	1391.5	1432.5	1483.4	1561.0	1659.7	1674.9	1825.2	1876.4
20°	1350.2	1351.1	1356.7	1371.9	1405.1	1450.2	1521.6	1623.4	1639.2	1811.5	1883.9
22.5°	1377.5	1376.9	1378.4	1376.9	1395.5	1429.7	1495.5	1595.5	1613.8	1802.5	1889.8
25°	1430.0	1429.1	1428.4	1416.9	1404.5	1422.8	1484.6	1579.6	1597.0	1796.0	1893.2
27.5°	1502.9	1502.3	1501.4	1482.5	1445.2	1433.7	1485.9	1573.7	1588.3	1790.7	1892.6
30°	1598.9	1603.2	1602.0	1575.6	1517.5	1466.9	1498.9	1570.6	1583.4	1780.5	1886.1
32.5°	1711.6	1720.3	1727.1	1698.8	1626.2	1532.7	1529.0	1574.0	1583.4	1772.7	1874.3
35°	1828.6	1839.8	1864.9	1855.0	1759.4	1631.8	1580.9	1594.5	1602.3	1777.1	1868.7
37.5°	1943.8	1957.1	2011.8	2040.7	1933.9	1762.8	1661.6	1645.1	1649.2	1803.5	1874.9
40°	2077.6	2097.8	2180.7	2227.2	2142.2	1938.2	1782.4	1732.1	1733.6	1861.5	1903.7
42.5°	2253.3	2274.1	2363.8	2436.8	2376.9	2159.9	1946.3	1864.9	1863.4	1970.2	1971.7
45°	2467.5	2489.3	2582.1	2663.1	2636.1	2422.5	2156.2	2059.0	2057.1	2141.6	2100.6
47.5°	2710.3	2731.7	2814.6	2898.2	2927.3	2729.3	2423.5	2323.8	2319.5	2379.7	2299.6
50°	2918.6	2932.6	3009.0	3121.4	3253.0	3106.2	2756.0	2660.0	2655.4	2696.0	2591.7
52.5°	2994.4	3002.5	3080.1	3237.5	3566.0	3616.6	3192.8	3069.2	3065.8	3083.5	2980.7
55°	2841.0	2855.6	2950.9	3184.4	3735.5	4193.4	3744.2	3575.9	3550.1	3511.9	3387.4
57.5°	2423.1	2446.4	2548.9	2859.3	3656.3	4651.0	4554.5	4149.0	4111.1	3877.7	3718.1
60°	1815.6	1844.1	1929.2	2264.2	3233.8	4814.0	5439.9	4787.6	4702.2	4168.9	4022.0
62.5°	1245.9	1260.2	1317.9	1536.2	2381.5	4547.0	6180.7	5642.9	5487.1	4485.5	4350.8
65°	951.6	956.5	980.1	1055.3	1418.2	3693.6	6475.3	6771.5	6583.0	4864.3	4692.0
67.5°	766.8	762.8	795.4	902.8	949.7	2253.3	6131.6	7839.1	7751.0	5370.7	5035.4
69°	676.2	670.6	703.8	828.6	892.0	1489.6	5481.5	8081.6	8087.2	5638.0	5059.0
70°	608.5	612.2	645.1	784.5	872.4	1169.2	4860.6	8019.8	8063.9	5737.9	4917.4
72.5°	406.4	416.3	482.5	651.3	838.9	884.8	2934.8	6882.0	7051.5	5512.9	4218.9
75°	229.1	236.6	315.1	491.1	790.4	842.6	1550.1	5070.1	5234.1	4610.0	3253.3
77.5°	112.4	116.4	178.2	317.0	661.0	802.9	879.2	3443.9	3631.2	3009.0	1840.1
80°	47.5	49.7	89.1	195.6	472.5	766.2	652.9	2119.5	2142.8	1178.8	490.2
82.5°	18.3	18.9	37.6	122.0	300.2	597.3	546.1	1005.0	980.7	222.0	111.8
85°	2.2	2.5	13.7	73.3	167.0	307.4	443.6	433.1	400.8	44.1	57.4
87.5°	0.0	0.0	0.9	22.4	49.7	144.1	230.7	179.8	162.1	14.3	29.8
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°	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1	1854.1
2.5°	1849.4	1846.3	1829.5	1805.3	1782.4	1753.8	1726.5	1710.0	1697.0	1688.3	1698.5
5°	1854.4	1840.7	1789.8	1724.6	1660.7	1588.6	1521.6	1464.8	1442.4	1417.6	1428.7
7.5°	1852.8	1827.1	1735.5	1619.4	1502.0	1380.6	1265.7	1177.3	1131.3	1086.3	1097.8
10°	1845.1	1801.6	1662.8	1490.8	1315.1	1140.6	977.6	853.8	784.5	721.8	730.8
12.5°	1828.0	1767.5	1577.1	1343.7	1108.7	878.6	687.7	529.0	444.0	406.4	411.1
15°	1817.7	1734.2	1486.5	1194.7	888.2	611.9	420.4	312.6	273.8	261.4	263.0
17.5°	1812.8	1702.3	1392.7	1024.2	662.8	389.6	271.7	239.7	231.3	229.1	229.7
20°	1807.8	1670.0	1296.2	855.6	456.7	262.0	223.2	213.9	210.8	208.0	208.6
22.5°	1799.4	1638.9	1192.5	684.9	308.0	212.7	201.2	192.2	185.7	182.2	182.9
25°	1789.2	1606.3	1086.6	510.1	224.8	189.7	178.8	166.1	158.3	152.1	152.4
27.5°	1772.7	1566.3	977.3	371.3	188.8	169.8	155.2	141.3	128.2	121.1	121.1
30°	1749.8	1520.9	855.9	265.8	169.2	150.3	132.6	115.2	101.2	94.7	94.1
32.5°	1724.3	1473.8	733.3	201.5	153.7	131.9	111.8	93.4	81.0	75.8	75.4
35°	1702.6	1422.8	611.0	168.9	138.2	114.2	92.2	76.7	66.7	62.4	62.1
37.5°	1688.6	1371.9	491.8	150.9	124.2	97.8	77.3	63.3	56.2	52.8	52.5
40°	1686.4	1334.1	382.8	137.2	111.1	83.2	64.6	53.7	47.2	43.5	43.2
42.5°	1714.7	1312.3	293.7	125.7	97.8	70.5	55.0	45.9	39.1	35.4	35.1
45°	1788.9	1319.1	226.0	115.5	84.4	59.6	46.6	38.2	32.0	29.2	28.6
47.5°	1924.2	1366.3	179.8	105.2	71.7	50.6	39.7	31.7	26.4	23.6	23.3
50°	2165.2	1477.2	150.3	94.1	59.9	43.2	32.9	25.8	21.4	18.9	18.6
52.5°	2484.9	1674.6	134.1	83.2	49.7	36.6	27.0	20.5	16.8	14.9	14.6
55°	2837.6	1913.7	123.6	71.4	40.7	30.4	21.4	16.1	13.0	11.5	10.9
57.5°	3181.9	2120.8	113.6	59.9	33.8	24.8	17.1	12.7	10.2	8.7	8.4
60°	3498.3	2311.1	102.1	48.1	27.6	19.6	13.3	9.9	8.1	6.5	6.5
62.5°	3837.0	2458.2	86.3	37.6	22.7	14.9	10.9	9.0	6.5	5.6	5.3
65°	4195.9	2567.5	67.7	29.2	17.7	11.2	9.0	9.3	5.3	4.0	3.7
67.5°	4461.0	2545.8	50.0	23.0	13.7	8.7	8.7	9.9	4.7	3.1	2.8
69°	4402.6	2369.1	41.9	19.9	11.8	7.5	8.1	9.9	4.3	2.8	2.5
70°	4233.4	2173.5	36.9	17.7	10.6	6.8	7.8	9.6	4.0	2.8	2.5
72.5°	3525.6	1637.1	28.9	13.3	8.4	5.6	6.5	8.4	4.0	2.8	2.2
75°	2652.0	1047.8	22.0	9.6	6.2	4.3	5.0	6.2	4.0	2.5	2.2
77.5°	1443.0	377.8	15.8	6.5	4.3	3.4	3.4	4.7	3.7	1.9	1.2
80°	371.0	95.0	9.9	4.3	3.4	2.5	2.2	3.1	2.2	0.3	0.0
82.5°	91.6	21.4	5.3	3.1	2.5	0.9	0.9	1.6	0.9	0.0	0.0
85°	50.3	10.6	3.4	2.2	1.2	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	25.8	3.1	0.9	0.6	0.3	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)