

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: P386552

Luminaire Tested: GAW-SA2B-727-U-SL2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386552
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-SA2B-727-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 800mA 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: 8260 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

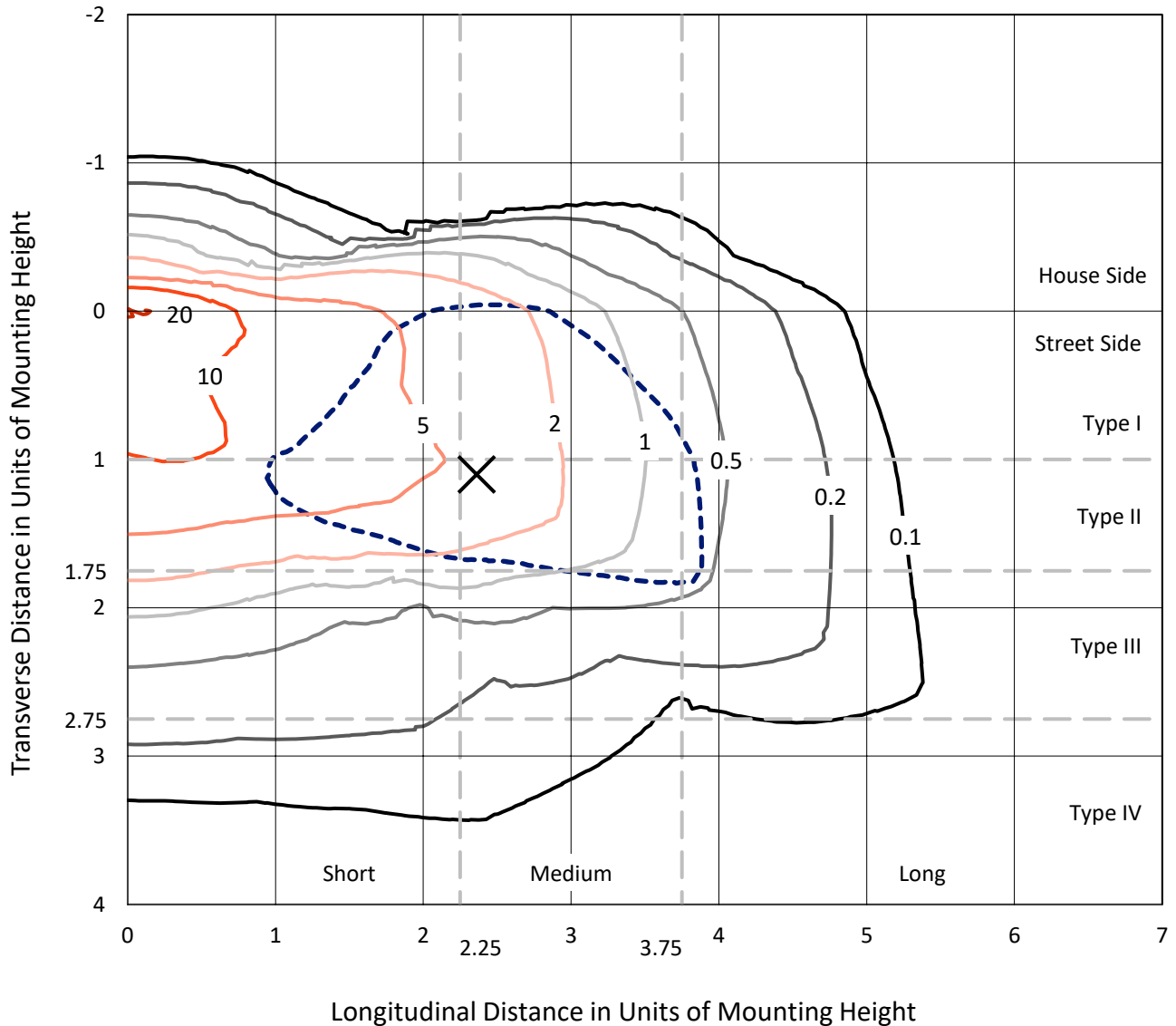
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

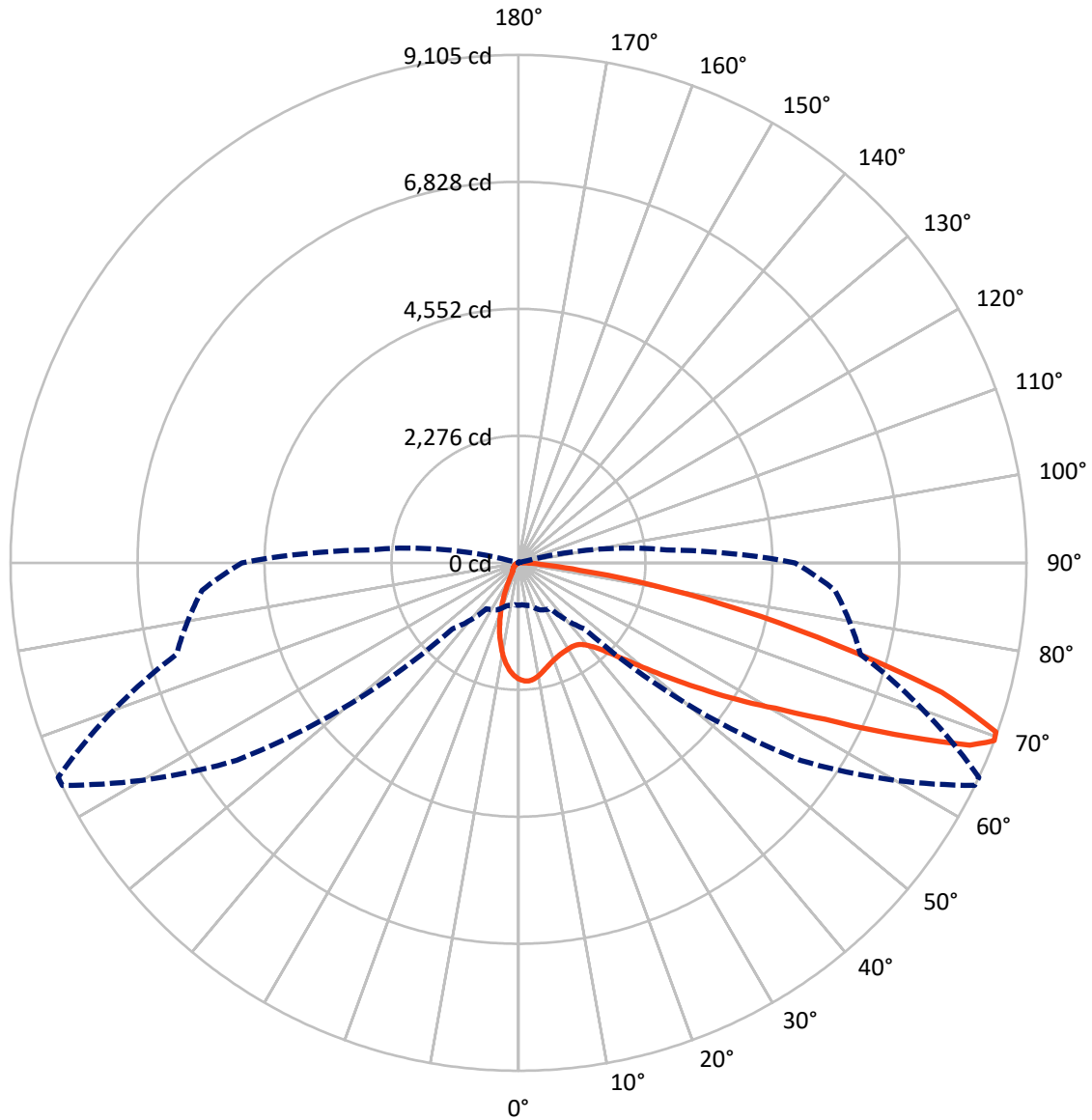
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 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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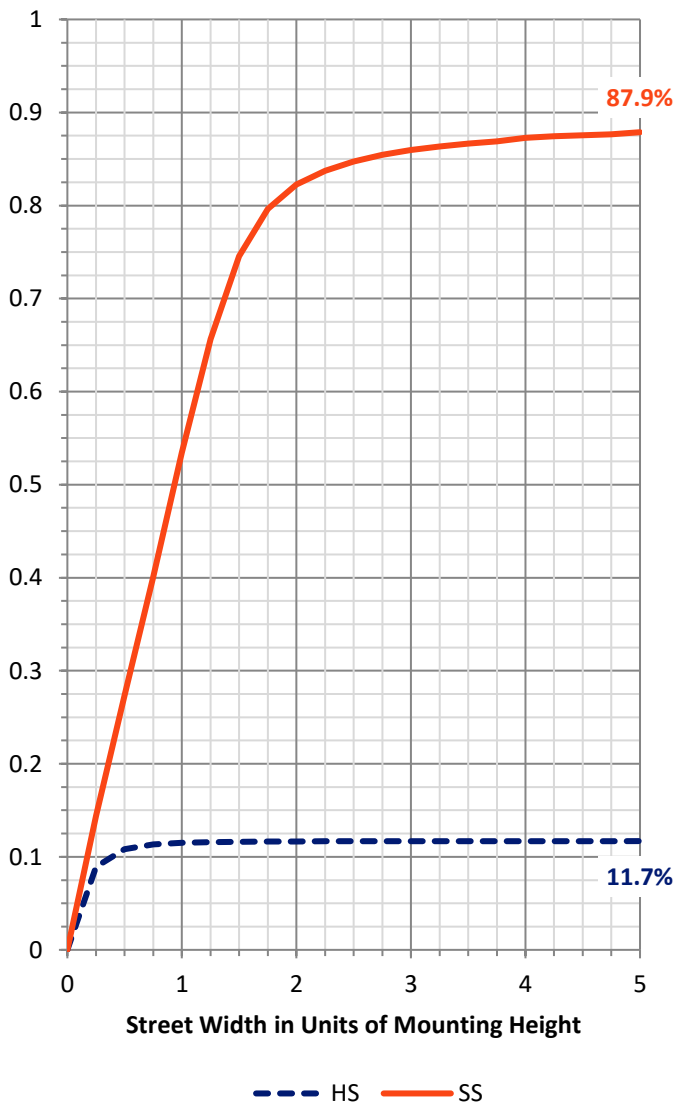
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.6	0.0	973.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7286.3	0.0	7286.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	8260.0	0.0	8260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	2.1
10°-20°	382.1	4.6
20°-30°	529.2	6.4
30°-40°	737.9	8.9
40°-50°	1146.9	13.9
50°-60°	1841.2	22.3
60°-70°	2082.7	25.2
70°-80°	1223.2	14.8
80°-90°	142.3	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°	8260.0	100.0
0°-180°	8260.0	100.0

Coefficient of Utilization

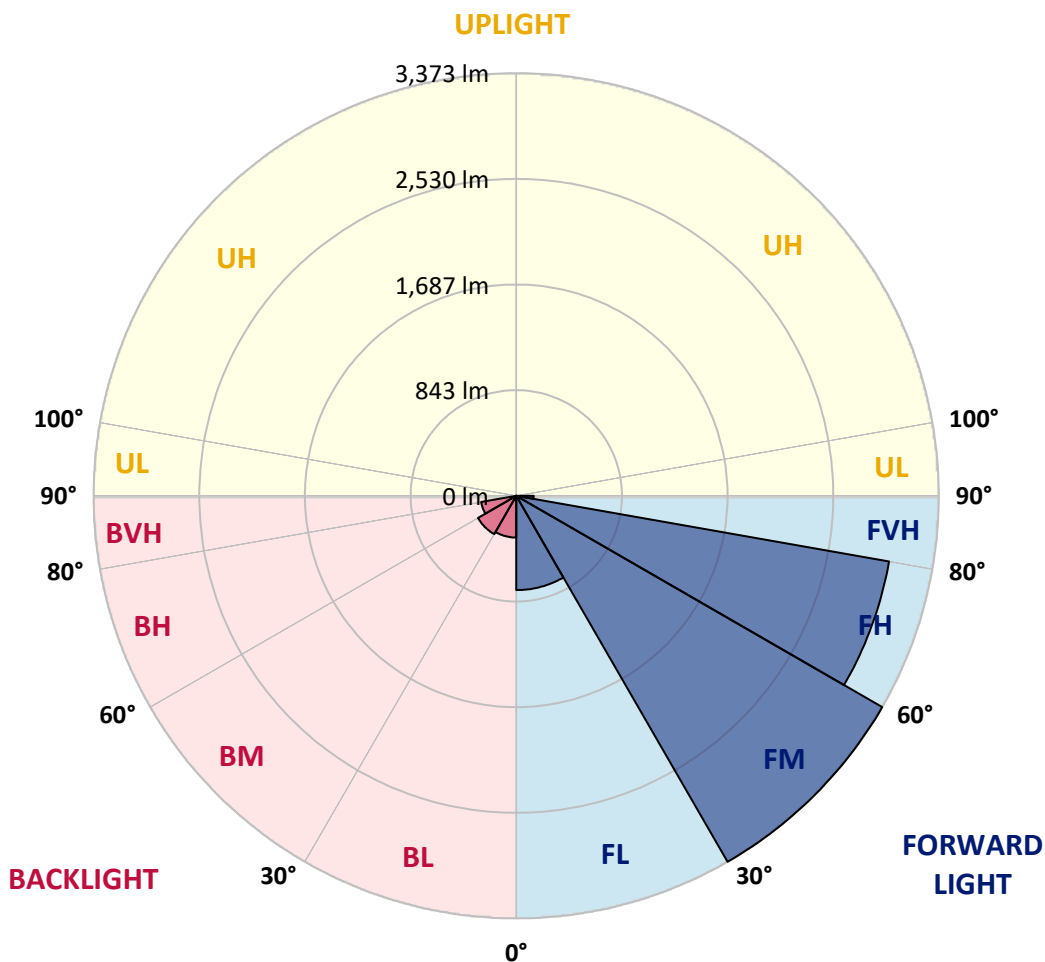


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.7	9.1			
FM (30°-60°)	3373.1	40.8			
FH (60°-80°)	3021.4	36.6			G2/5000
FVH (80°-90°)	139.1	1.7			G2/225
BL (0°-30°)	333.1	4.0	B1/500		
BM (30°-60°)	352.8	4.3	B1/1000		
BH (60°-80°)	284.5	3.4	B1/500		G1/500
BVH (80°-90°)	3.2	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°	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3
2.5°	2105.8	2100.6	2104.8	2113.9	2118.4	2118.4	2121.9	2117.7	2119.1	2109.0	2094.3
5°	1974.1	1966.0	1977.6	2003.1	2034.5	2061.5	2101.3	2122.3	2124.4	2124.7	2107.6
7.5°	1832.2	1824.8	1842.0	1872.0	1912.6	1962.5	2032.1	2092.9	2096.4	2129.3	2116.7
10°	1716.8	1711.6	1731.5	1763.7	1811.2	1867.1	1952.4	2037.0	2047.1	2119.8	2115.3
12.5°	1625.3	1621.1	1639.9	1677.0	1725.6	1787.4	1876.6	1974.8	1988.4	2098.5	2108.3
15°	1558.5	1557.8	1573.5	1609.2	1663.0	1720.7	1811.9	1917.1	1932.8	2075.4	2107.2
17.5°	1523.5	1524.6	1536.1	1566.5	1612.7	1670.0	1757.4	1868.5	1885.6	2054.8	2112.5
20°	1520.1	1521.1	1527.4	1544.5	1581.9	1632.6	1713.0	1827.6	1845.5	2039.4	2120.9
22.5°	1550.8	1550.1	1551.9	1550.1	1571.1	1609.5	1683.6	1796.2	1816.8	2029.3	2127.5
25°	1609.9	1608.8	1608.1	1595.2	1581.2	1601.8	1671.4	1778.3	1797.9	2022.0	2131.4
27.5°	1692.0	1691.3	1690.3	1668.9	1627.0	1614.1	1672.8	1771.7	1788.1	2016.0	2130.7
30°	1800.0	1804.9	1803.5	1773.8	1708.4	1651.5	1687.5	1768.2	1782.5	2004.5	2123.3
32.5°	1926.9	1936.7	1944.4	1912.6	1830.8	1725.6	1721.4	1772.1	1782.5	1995.7	2110.0
35°	2058.7	2071.2	2099.5	2088.4	1980.7	1837.1	1779.7	1795.1	1803.9	2000.6	2103.7
37.5°	2188.3	2203.4	2264.9	2297.4	2177.1	1984.6	1870.6	1852.1	1856.6	2030.3	2110.7
40°	2339.0	2361.7	2455.0	2507.4	2411.7	2182.0	2006.6	1950.0	1951.7	2095.7	2143.2
42.5°	2536.8	2560.2	2661.2	2743.4	2675.9	2431.6	2191.1	2099.5	2097.8	2218.0	2219.8
45°	2778.0	2802.4	2906.9	2998.2	2967.8	2727.3	2427.4	2318.0	2315.9	2411.0	2364.8
47.5°	3051.3	3075.4	3168.7	3262.7	3295.6	3072.6	2728.3	2616.1	2611.2	2679.0	2588.9
50°	3285.8	3301.5	3387.5	3514.0	3662.2	3496.9	3102.7	2994.7	2989.4	3035.2	2917.8
52.5°	3371.1	3380.2	3467.6	3644.8	4014.6	4071.5	3594.4	3455.3	3451.5	3471.4	3355.7
55°	3198.4	3214.9	3322.2	3585.0	4205.4	4720.9	4215.2	4025.7	3996.7	3953.7	3813.6
57.5°	2728.0	2754.2	2869.5	3219.1	4116.3	5236.1	5127.4	4670.9	4628.3	4365.5	4185.8
60°	2044.0	2076.1	2171.9	2549.0	3640.6	5419.6	6124.2	5389.9	5293.8	4693.3	4528.0
62.5°	1402.6	1418.7	1483.7	1729.4	2681.1	5119.0	6958.2	6352.8	6177.4	5049.8	4898.1
65°	1071.3	1076.9	1103.4	1188.0	1596.6	4158.2	7289.9	7623.3	7411.2	5476.2	5282.3
67.5°	863.3	858.8	895.5	1016.4	1069.2	2536.8	6903.0	8825.3	8726.0	6046.3	5668.8
69°	761.2	755.0	792.4	932.9	1004.2	1677.0	6171.1	9098.3	9104.6	6347.2	5695.4
70°	685.1	689.2	726.3	883.2	982.1	1316.3	5472.0	9028.7	9078.4	6459.8	5536.0
72.5°	457.5	468.7	543.1	733.3	944.4	996.1	3304.0	7747.7	7938.6	6206.4	4749.6
75°	257.9	266.3	354.8	552.9	889.9	948.6	1745.1	5708.0	5892.5	5190.0	3662.6
77.5°	126.5	131.1	200.6	356.9	744.1	903.9	989.8	3877.2	4088.0	3387.5	2071.6
80°	53.5	55.9	100.3	220.2	532.0	862.6	735.0	2386.2	2412.4	1327.1	551.9
82.5°	20.6	21.3	42.3	137.4	338.0	672.5	614.8	1131.4	1104.1	249.9	125.8
85°	2.4	2.8	15.4	82.5	188.0	346.0	499.5	487.6	451.2	49.6	64.7
87.5°	0.0	0.0	1.0	25.2	55.9	162.2	259.7	202.4	182.4	16.1	33.6
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°	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3	2087.3
2.5°	2082.1	2078.6	2059.7	2032.4	2006.6	1974.4	1943.7	1925.1	1910.5	1900.7	1912.2
5°	2087.7	2072.3	2015.0	1941.6	1869.6	1788.5	1713.0	1649.0	1623.9	1595.9	1608.5
7.5°	2085.9	2056.9	1953.8	1823.1	1691.0	1554.3	1425.0	1325.4	1273.6	1223.0	1235.9
10°	2077.2	2028.2	1872.0	1678.4	1480.6	1284.1	1100.6	961.2	883.2	812.6	822.8
12.5°	2058.0	1989.8	1775.5	1512.7	1248.1	989.1	774.2	595.6	499.8	457.5	462.8
15°	2046.4	1952.4	1673.5	1344.9	1000.0	688.9	473.2	352.0	308.3	294.3	296.0
17.5°	2040.8	1916.4	1567.9	1153.1	746.2	438.6	305.8	269.8	260.4	257.9	258.6
20°	2035.2	1880.1	1459.2	963.3	514.1	295.0	251.3	240.8	237.3	234.2	234.9
22.5°	2025.8	1845.1	1342.5	771.0	346.7	239.4	226.5	216.4	209.0	205.2	205.9
25°	2014.3	1808.4	1223.3	574.3	253.1	213.6	201.3	187.0	178.3	171.3	171.6
27.5°	1995.7	1763.3	1100.3	418.0	212.5	191.2	174.8	159.0	144.4	136.3	136.3
30°	1969.9	1712.3	963.6	299.2	190.5	169.2	149.2	129.7	113.9	106.6	105.9
32.5°	1941.2	1659.2	825.6	226.8	173.0	148.5	125.8	105.2	91.2	85.3	84.9
35°	1916.8	1601.8	687.8	190.1	155.5	128.6	103.8	86.3	75.1	70.3	69.9
37.5°	1901.0	1544.5	553.6	169.9	139.8	110.1	87.0	71.3	63.3	59.4	59.1
40°	1898.6	1501.9	431.0	154.5	125.1	93.7	72.7	60.5	53.1	48.9	48.6
42.5°	1930.4	1477.4	330.6	141.6	110.1	79.3	61.9	51.7	44.0	39.8	39.5
45°	2013.9	1485.1	254.4	130.0	95.1	67.1	52.4	43.0	36.0	32.9	32.2
47.5°	2166.3	1538.2	202.4	118.5	80.7	57.0	44.7	35.7	29.7	26.6	26.2
50°	2437.5	1663.0	169.2	105.9	67.5	48.6	37.0	29.0	24.1	21.3	21.0
52.5°	2797.5	1885.3	151.0	93.7	55.9	41.2	30.4	23.1	18.9	16.8	16.4
55°	3194.6	2154.4	139.1	80.4	45.8	34.3	24.1	18.2	14.7	12.9	12.2
57.5°	3582.2	2387.6	127.9	67.5	38.1	28.0	19.2	14.3	11.5	9.8	9.4
60°	3938.4	2601.8	115.0	54.2	31.1	22.0	15.0	11.2	9.1	7.3	7.3
62.5°	4319.7	2767.5	97.2	42.3	25.5	16.8	12.2	10.1	7.3	6.3	5.9
65°	4723.7	2890.5	76.2	32.9	19.9	12.6	10.1	10.5	5.9	4.5	4.2
67.5°	5022.2	2866.0	56.3	25.9	15.4	9.8	9.8	11.2	5.2	3.5	3.1
69°	4956.5	2667.2	47.2	22.4	13.3	8.4	9.1	11.2	4.9	3.1	2.8
70°	4766.0	2447.0	41.6	19.9	11.9	7.7	8.7	10.8	4.5	3.1	2.8
72.5°	3969.1	1843.0	32.5	15.0	9.4	6.3	7.3	9.4	4.5	3.1	2.4
75°	2985.6	1179.6	24.8	10.8	7.0	4.9	5.6	7.0	4.5	2.8	2.4
77.5°	1624.6	425.4	17.8	7.3	4.9	3.8	3.8	5.2	4.2	2.1	1.4
80°	417.7	107.0	11.2	4.9	3.8	2.8	2.4	3.5	2.4	0.3	0.0
82.5°	103.1	24.1	5.9	3.5	2.8	1.0	1.0	1.7	1.0	0.0	0.0
85°	56.6	11.9	3.8	2.4	1.4	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	29.0	3.5	1.0	0.7	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)