

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: McGRAW-EDISON

Report Number: P641532

Luminaire Tested: GWS-SA6B-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15462 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

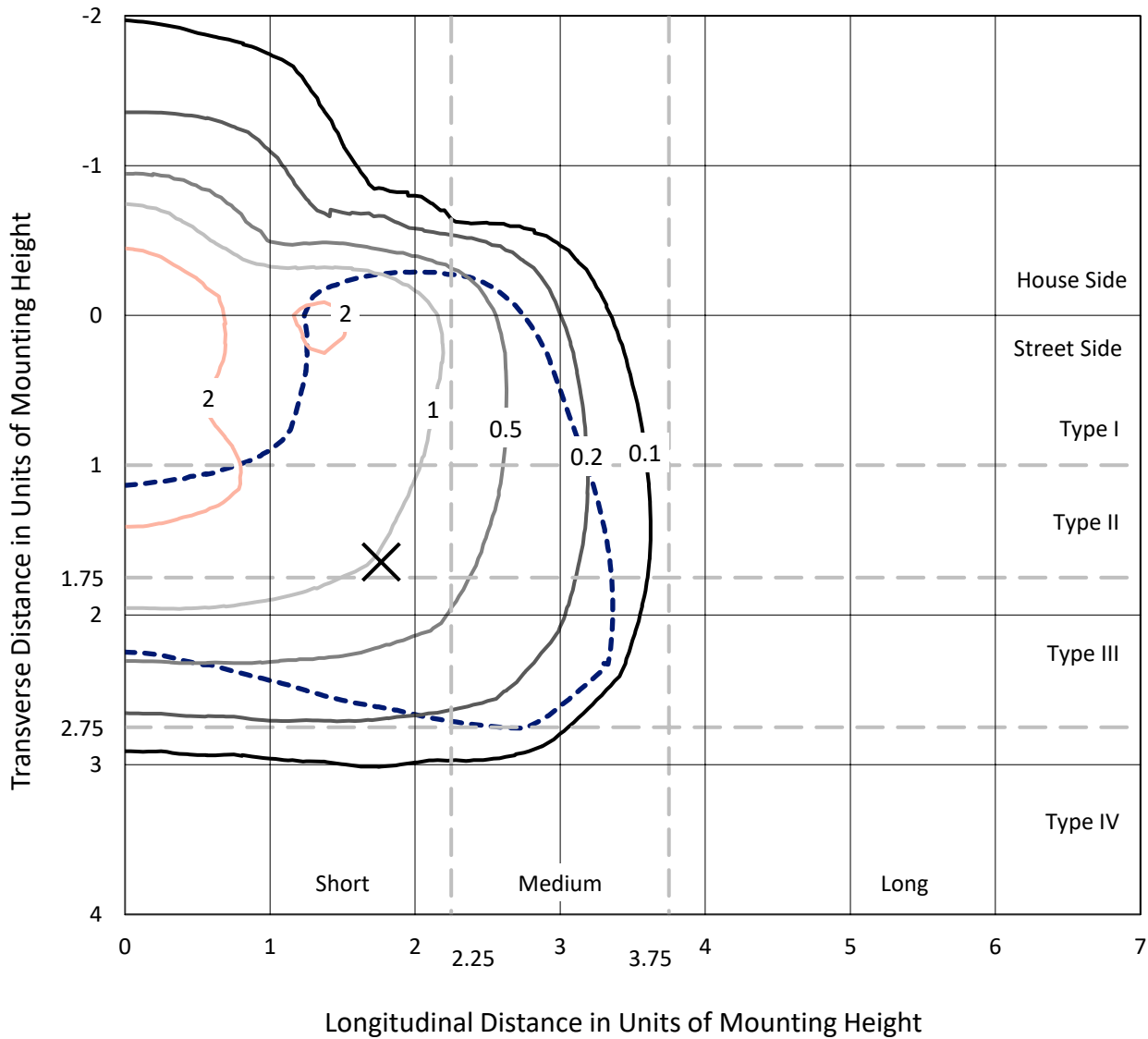
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

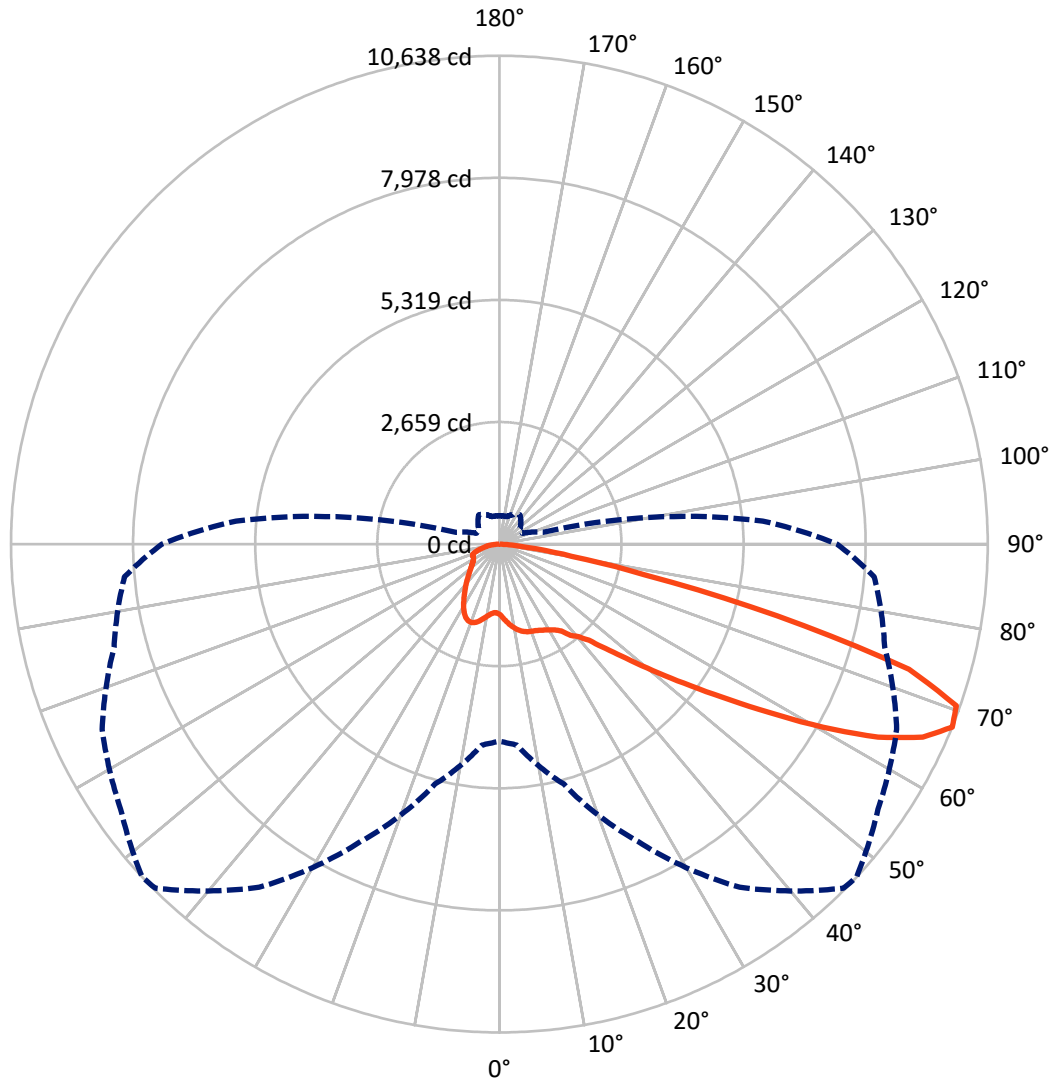
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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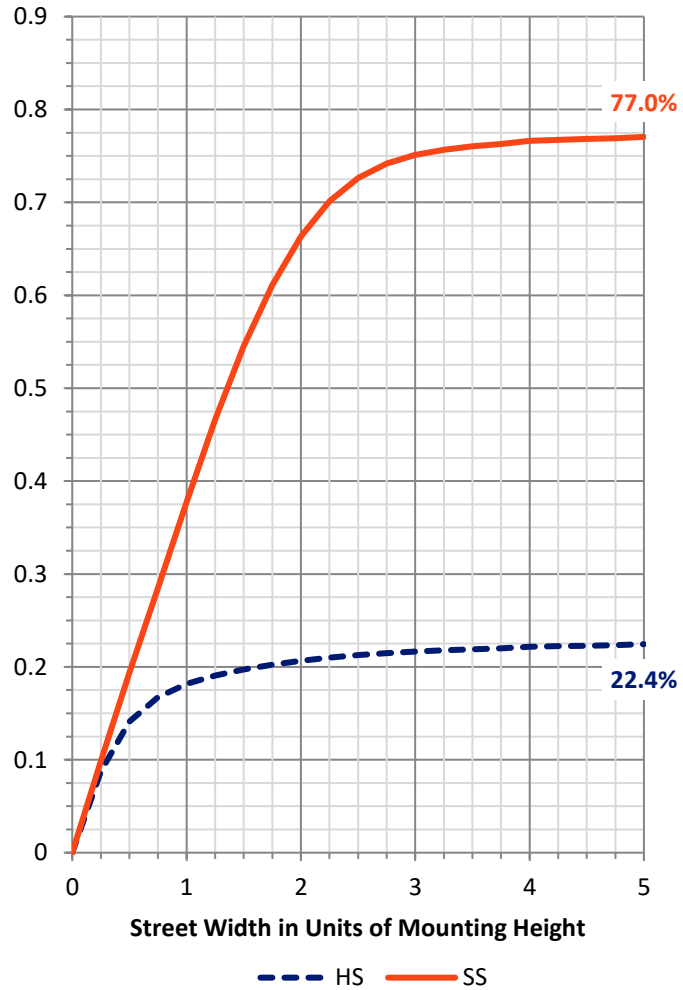
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3523.9	0.0	3523.9
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	11938.1	0.0	11938.1
	% Fixture	77.2	0.0	77.2
Total	Lumens	15462.0	0.0	15462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	1.0
10°-20°	521.9	3.4
20°-30°	887.1	5.7
30°-40°	1299.5	8.4
40°-50°	1980.0	12.8
50°-60°	3542.6	22.9
60°-70°	4727.2	30.6
70°-80°	2137.7	13.8
80°-90°	209.4	1.4
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°	15462.0	100.0
0°-180°	15462.0	100.0

Coefficient of Utilization



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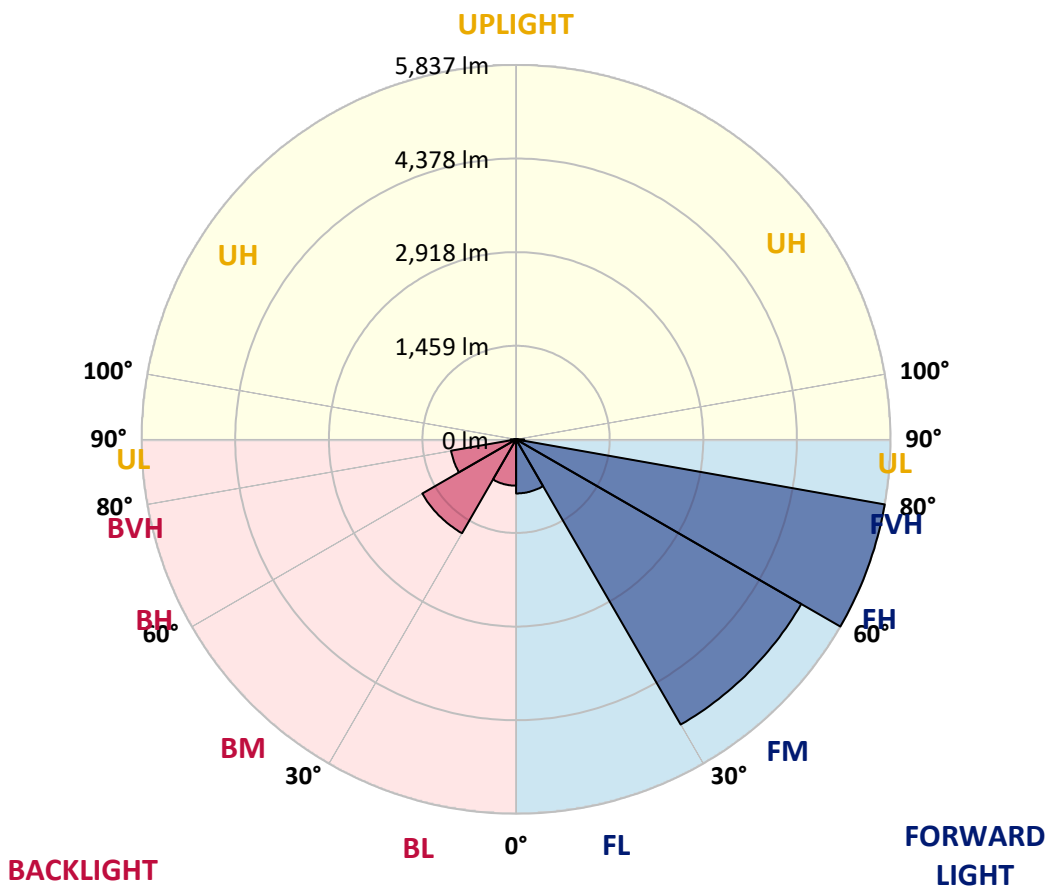
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.2	5.5			
FM (30°-60°)	5133.5	33.2			
FH (60°-80°)	5836.7	37.7			G3/7500
FVH (80°-90°)	124.6	0.8			G2/225
BL (0°-30°)	722.4	4.7	B2/1000		
BM (30°-60°)	1688.5	10.9	B2/2500		
BH (60°-80°)	1028.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	84.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8
2.5°	1634.5	1640.1	1639.0	1630.0	1624.4	1614.4	1615.5	1599.9	1576.4	1560.7	1542.8
5°	1778.7	1787.7	1776.5	1762.0	1739.6	1707.2	1703.8	1668.1	1623.3	1592.0	1559.6
7.5°	1903.9	1909.5	1896.1	1871.5	1839.1	1795.5	1787.7	1745.2	1689.3	1640.1	1593.1
10°	2001.2	2007.9	1990.0	1957.6	1915.1	1871.5	1865.9	1822.3	1763.1	1704.9	1645.7
12.5°	2083.9	2086.2	2067.2	2023.6	1977.7	1933.0	1927.4	1887.2	1832.4	1773.1	1708.3
15°	2132.0	2133.1	2109.7	2061.6	2018.0	1978.9	1975.5	1940.8	1890.5	1834.6	1765.3
17.5°	2128.7	2130.9	2114.1	2071.6	2033.6	2010.2	2006.8	1984.4	1945.3	1895.0	1825.7
20°	2087.3	2089.5	2078.4	2050.4	2030.3	2023.6	2024.7	2018.0	1994.5	1953.1	1882.7
22.5°	2054.9	2058.2	2048.2	2028.0	2025.8	2041.5	2044.8	2048.2	2037.0	2000.1	1931.9
25°	2070.5	2076.1	2060.5	2032.5	2037.0	2071.6	2078.4	2089.5	2080.6	2049.3	1990.0
27.5°	2179.0	2182.3	2142.1	2085.1	2071.6	2108.5	2118.6	2136.5	2129.8	2100.7	2054.9
30°	2430.5	2428.3	2342.2	2202.5	2146.6	2161.1	2168.9	2194.6	2196.9	2177.9	2134.3
32.5°	2784.9	2773.7	2640.7	2418.2	2256.1	2220.3	2229.3	2263.9	2289.7	2269.5	2210.3
35°	3159.5	3149.4	3002.9	2742.4	2458.5	2334.4	2324.3	2351.1	2390.3	2334.4	2249.4
37.5°	3516.1	3500.4	3350.6	3028.7	2707.8	2534.5	2520.0	2493.1	2469.7	2362.3	2297.5
40°	3911.9	3894.0	3763.2	3398.7	2982.8	2687.7	2650.8	2544.6	2523.3	2455.1	2422.7
42.5°	4334.5	4334.5	4226.0	3867.2	3314.9	2906.8	2858.7	2698.8	2721.2	2676.5	2638.5
45°	4757.1	4769.4	4683.3	4338.9	3758.7	3320.5	3243.3	3016.4	3070.0	3049.9	3030.9
47.5°	5117.1	5140.5	5123.8	4820.8	4302.1	3823.5	3706.2	3470.3	3585.4	3633.5	3687.2
50°	5505.0	5530.7	5514.0	5394.3	4938.2	4432.9	4327.8	4084.0	4281.9	4426.1	4601.7
52.5°	6080.8	6117.7	5977.9	5932.1	5710.7	5124.9	5031.0	4753.7	5112.6	5351.9	5743.1
55°	6567.1	6566.0	6516.8	6621.9	6540.3	5971.2	5867.2	5615.7	6074.1	6327.9	6900.3
57.5°	6792.9	6819.8	6988.6	7286.0	7449.2	7005.4	6905.9	6648.7	7106.0	7237.9	7856.2
60°	6909.2	6942.8	7269.2	7857.3	8296.7	8134.5	8095.4	7767.8	8025.0	8009.3	8662.2
62.5°	6746.0	6813.1	7337.4	8118.9	8901.5	9269.3	9257.0	8761.7	8806.5	8653.3	9162.0
65°	5996.9	6069.6	6892.4	7988.1	9247.0	10132.4	10135.8	9661.7	9406.8	8966.3	9078.1
67.5°	4288.6	4392.6	5410.0	7147.4	9125.1	10598.6	10637.7	10069.8	9547.7	8689.1	8197.2
70°	2337.7	2413.8	3210.9	5195.3	8027.2	10486.8	10559.5	9873.0	8926.1	7516.3	6310.0
72.5°	1062.1	1086.7	1493.6	2850.9	5483.8	9026.7	9330.8	8810.9	7330.7	5552.0	4012.5
75°	486.3	497.5	650.7	1364.0	2865.4	6040.5	6254.1	6562.6	5101.4	3506.0	2091.8
77.5°	305.2	308.6	370.1	623.8	1428.8	3015.2	3240.0	3907.4	2987.3	1735.1	874.3
80°	180.0	183.4	230.3	337.6	670.8	1379.6	1593.1	1545.1	1404.2	749.1	398.0
82.5°	90.6	93.9	133.0	192.3	365.6	548.9	646.2	649.6	523.2	405.8	224.7
85°	32.4	33.5	43.6	76.0	155.4	181.1	202.4	247.1	256.0	235.9	108.4
87.5°	0.0	0.0	1.1	2.2	4.5	17.9	19.0	35.8	74.9	83.8	43.6
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°	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8	1532.8
2.5°	1537.2	1520.5	1514.9	1509.3	1500.4	1497.0	1490.3	1483.6	1483.6	1476.9	1473.5
5°	1545.1	1522.7	1508.2	1501.5	1495.9	1499.2	1499.2	1501.5	1509.3	1504.8	1507.1
7.5°	1573.0	1547.3	1527.2	1521.6	1521.6	1535.0	1544.0	1555.1	1569.7	1571.9	1571.9
10°	1622.2	1592.0	1570.8	1567.4	1573.0	1592.0	1605.4	1618.9	1636.7	1637.9	1640.1
12.5°	1675.9	1645.7	1624.4	1628.9	1634.5	1659.1	1673.6	1684.8	1702.7	1702.7	1701.6
15°	1731.8	1698.2	1680.3	1689.3	1706.1	1734.0	1736.2	1737.4	1746.3	1744.1	1743.0
17.5°	1789.9	1754.1	1740.7	1754.1	1772.0	1785.4	1774.3	1758.6	1755.3	1750.8	1748.5
20°	1846.9	1810.0	1804.4	1814.5	1820.1	1808.9	1774.3	1745.2	1731.8	1725.1	1722.8
22.5°	1896.1	1864.8	1861.5	1861.5	1833.5	1794.4	1743.0	1703.8	1685.9	1677.0	1674.8
25°	1954.3	1925.2	1919.6	1889.4	1817.9	1746.3	1677.0	1641.2	1626.7	1622.2	1623.3
27.5°	2022.5	2002.3	1984.4	1898.4	1773.1	1661.3	1583.1	1567.4	1561.8	1567.4	1570.8
30°	2106.3	2086.2	2045.9	1887.2	1701.6	1550.7	1475.8	1474.6	1491.4	1505.9	1508.2
32.5°	2174.5	2165.6	2099.6	1851.4	1601.0	1428.8	1365.1	1369.5	1399.7	1419.9	1423.2
35°	2228.2	2242.7	2144.3	1792.1	1481.3	1313.6	1263.3	1265.6	1282.3	1310.3	1311.4
37.5°	2304.2	2353.4	2184.6	1701.6	1343.8	1214.1	1168.3	1151.5	1149.3	1157.1	1159.4
40°	2457.4	2531.1	2213.6	1569.7	1210.8	1124.7	1073.3	1040.9	1012.9	991.7	985.0
42.5°	2688.8	2773.7	2230.4	1409.8	1092.3	1036.4	978.2	936.9	887.7	843.0	827.3
45°	3113.6	3141.6	2230.4	1239.9	987.2	953.7	895.5	846.3	783.7	731.2	720.0
47.5°	3793.4	3703.9	2232.6	1075.5	894.4	881.0	830.7	774.8	705.5	661.9	655.1
50°	4817.4	4503.3	2278.5	939.1	817.3	819.5	782.6	721.1	658.5	626.1	620.5
52.5°	5977.9	5488.2	2401.5	838.5	752.4	769.2	749.1	689.8	633.9	606.0	600.4
55°	7069.1	6393.8	2506.5	766.9	697.6	726.7	725.6	670.8	620.5	592.5	589.2
57.5°	7997.0	7014.3	2490.9	708.8	650.7	687.6	704.3	658.5	611.5	588.1	584.7
60°	8573.9	7343.0	2268.4	655.1	614.9	659.6	692.0	655.1	616.0	610.4	611.5
62.5°	8824.3	7282.6	1841.3	614.9	591.4	646.2	705.5	678.6	657.4	670.8	678.6
65°	8435.3	6763.9	1355.0	584.7	569.1	649.6	736.8	715.5	657.4	666.3	669.7
67.5°	7355.3	5757.7	979.4	554.5	541.1	659.6	781.5	709.9	619.4	619.4	612.7
70°	5300.4	4141.1	711.0	524.3	513.2	645.1	783.7	671.9	575.8	572.4	555.6
72.5°	3189.6	2442.8	554.5	490.8	470.7	572.4	734.5	627.2	533.3	505.3	485.2
75°	1656.9	1224.2	465.1	453.9	403.6	485.2	671.9	557.9	456.1	431.5	420.4
77.5°	709.9	572.4	399.1	404.7	335.4	408.1	542.2	483.0	404.7	373.4	363.3
80°	349.9	325.3	315.3	324.2	268.3	315.3	467.3	422.6	343.2	307.4	292.9
82.5°	200.1	190.1	227.0	230.3	191.2	263.8	394.7	357.8	284.0	244.8	221.4
85°	92.8	99.5	137.5	138.6	118.5	181.1	258.3	201.2	150.9	125.2	119.6
87.5°	36.9	43.6	60.4	59.3	34.7	33.5	22.4	12.3	10.1	8.9	7.8
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)