

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: P633107

Luminaire Tested: GWS-SA2E-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9173.2 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

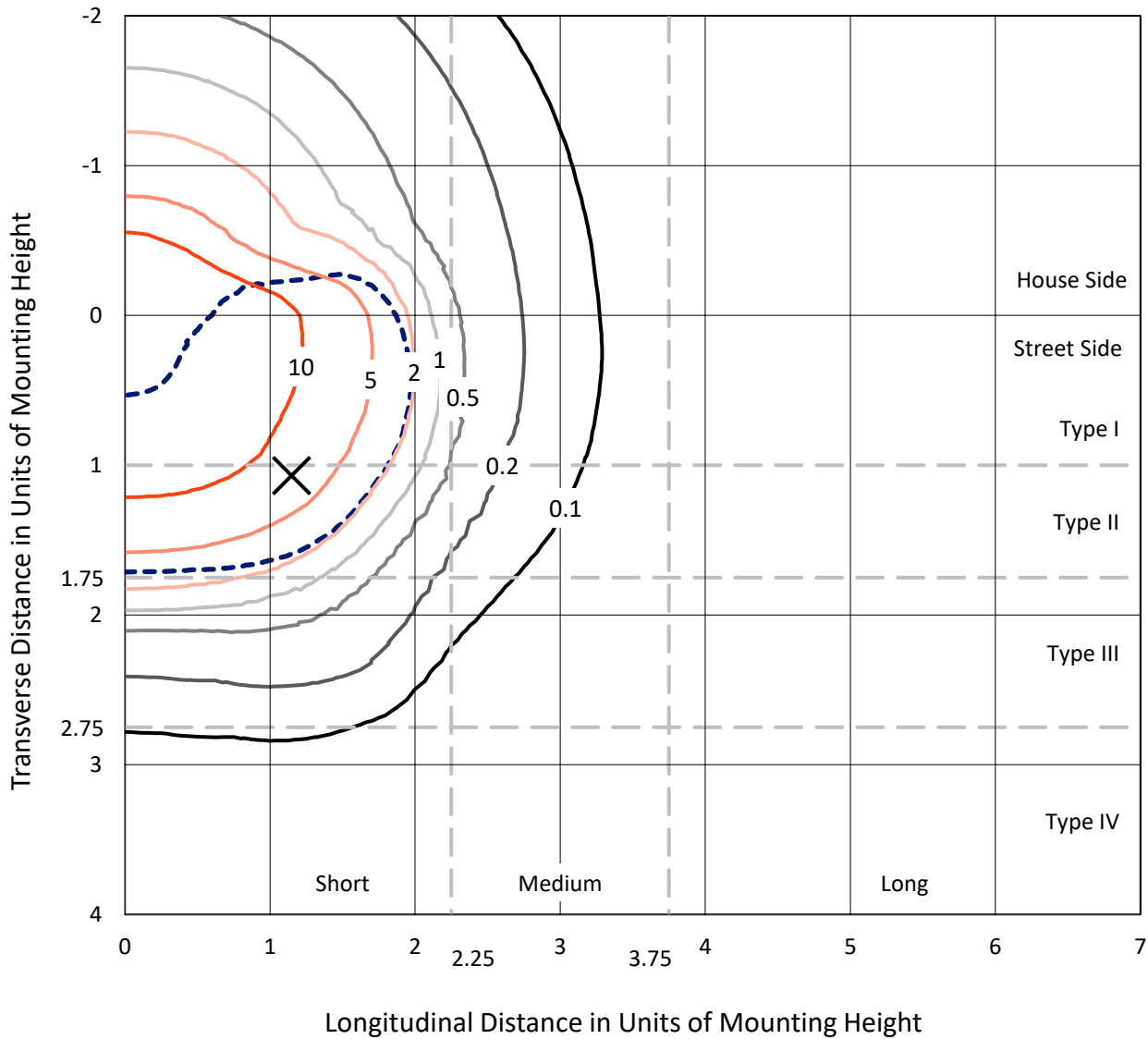
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633107
 CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

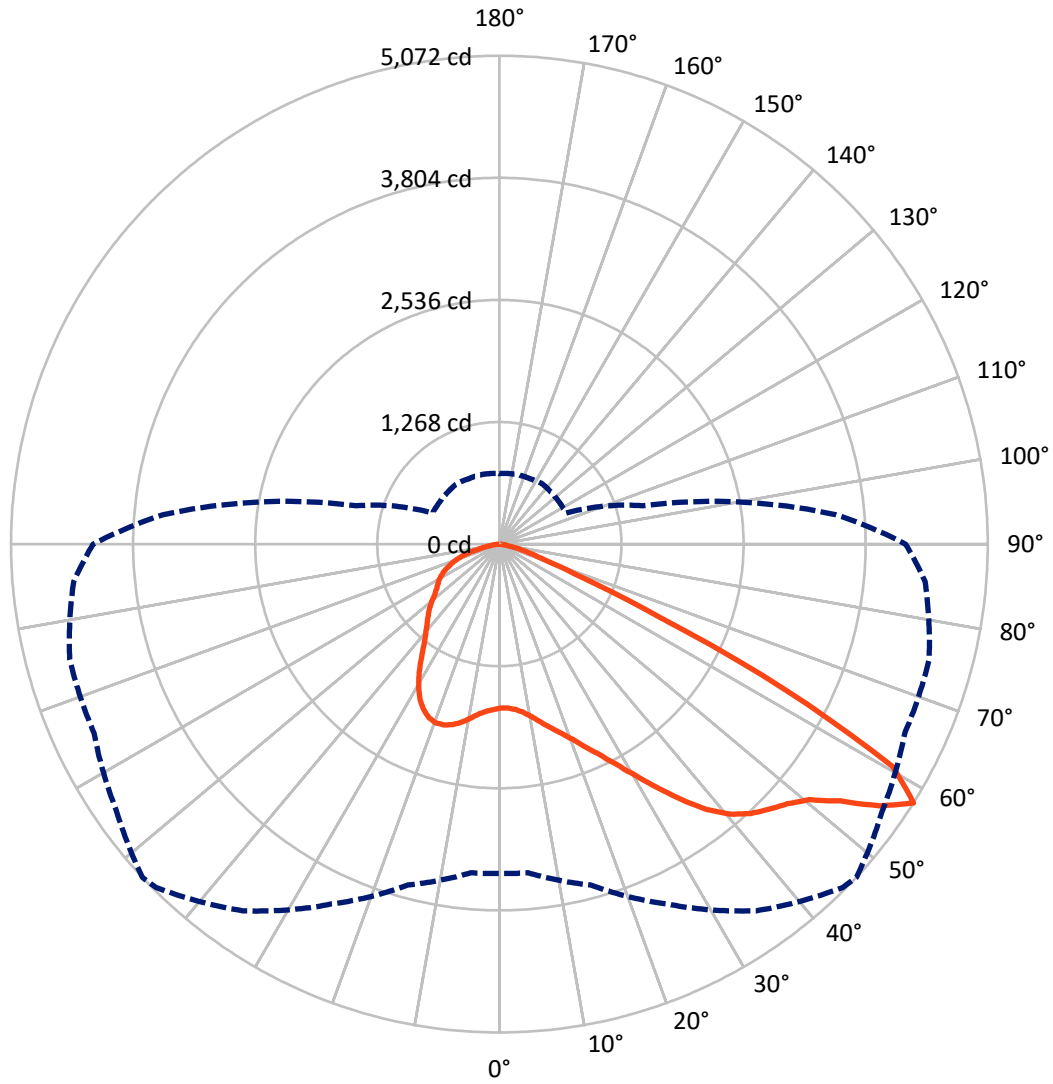
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type II - Short - N/A

REPORT NUMBER: P633107
CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633107
 CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

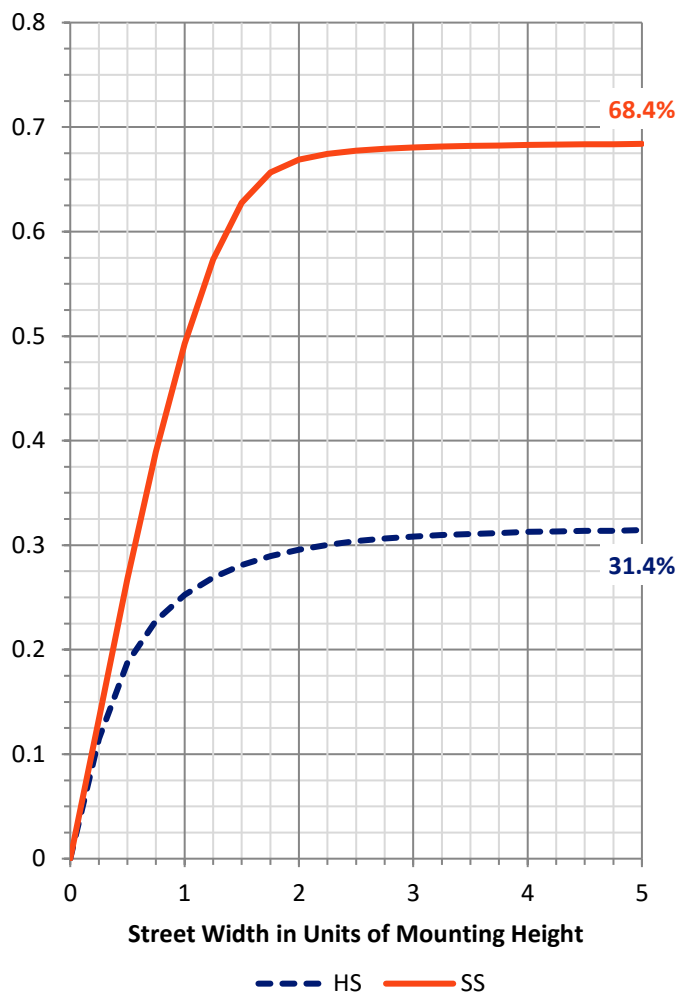
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2903.3	0.0	2903.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6269.9	0.0	6269.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	9173.2	0.0	9173.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	1.8
10°-20°	551.9	6.0
20°-30°	993.7	10.8
30°-40°	1500.9	16.4
40°-50°	2021.1	22.0
50°-60°	2428.6	26.5
60°-70°	1182.8	12.9
70°-80°	291.4	3.2
80°-90°	35.0	0.4
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°	9173.2	100.0
0°-180°	9173.2	100.0

Coefficient of Utilization



REPORT NUMBER: P633107

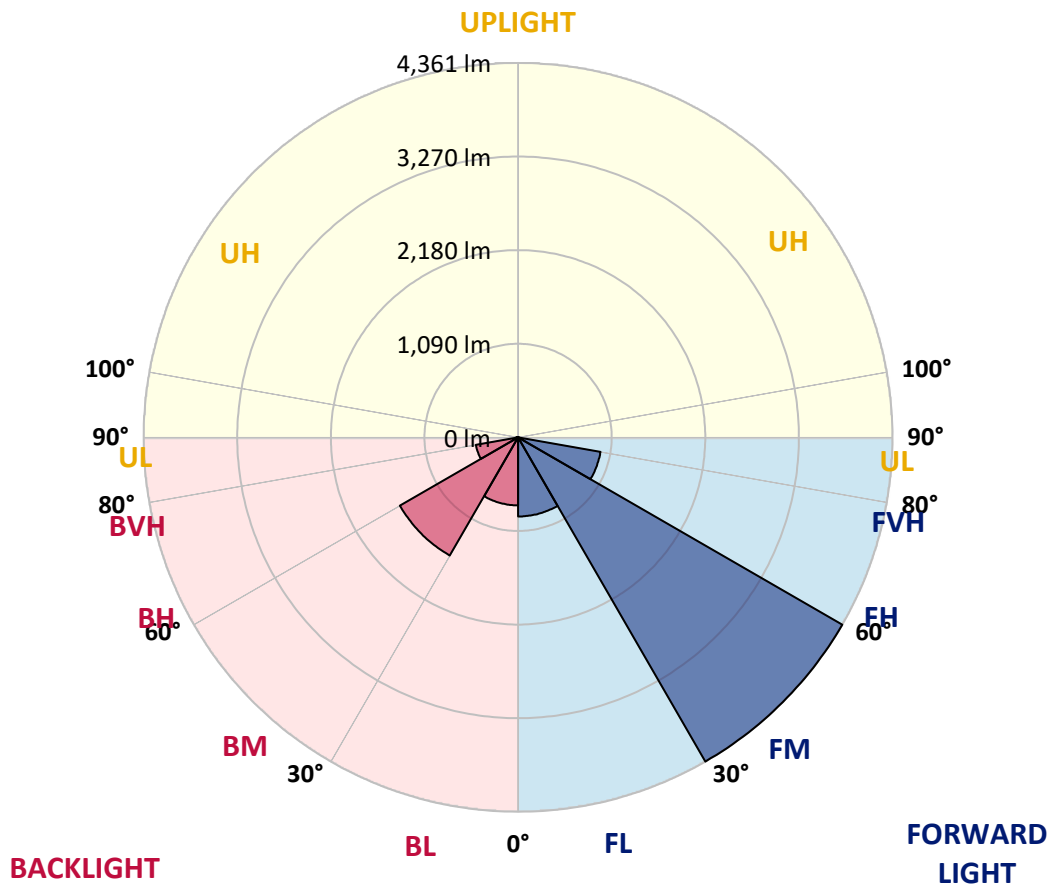
CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	921.4	10.0			
FM (30°-60°)	4360.5	47.5			
FH (60°-80°)	974.8	10.6			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	792.0	8.6	B2/1000		
BM (30°-60°)	1590.1	17.3	B2/2500		
BH (60°-80°)	499.3	5.4	B1/500		G1/500
BVH (80°-90°)	21.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P633107

CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2
2.5°	1698.1	1697.3	1697.3	1702.0	1702.0	1703.5	1705.8	1708.1	1708.9	1705.0	1696.6
5°	1716.6	1716.6	1716.6	1720.4	1720.4	1722.0	1725.1	1725.8	1725.1	1718.9	1710.4
7.5°	1745.9	1745.9	1746.6	1751.3	1755.1	1757.4	1762.8	1762.0	1759.7	1749.7	1738.9
10°	1793.6	1796.0	1798.3	1803.7	1811.4	1816.8	1820.6	1820.6	1817.5	1802.1	1788.2
12.5°	1861.4	1864.5	1866.8	1871.5	1877.6	1886.9	1895.3	1895.3	1891.5	1872.2	1851.4
15°	1940.8	1943.9	1943.1	1944.6	1956.2	1969.3	1976.2	1980.9	1982.4	1955.4	1923.1
17.5°	2031.7	2034.8	2031.7	2027.1	2028.6	2049.4	2061.8	2078.7	2088.7	2052.5	2000.9
20°	2114.2	2111.1	2111.1	2114.2	2118.8	2144.2	2162.7	2190.4	2202.8	2158.8	2078.7
22.5°	2201.2	2208.1	2205.1	2205.1	2223.6	2265.9	2288.3	2324.5	2337.6	2280.6	2172.7
25°	2313.7	2319.9	2318.3	2319.9	2341.4	2401.5	2423.9	2490.9	2504.0	2422.3	2276.7
27.5°	2437.0	2447.0	2451.6	2450.1	2484.7	2563.3	2591.1	2684.3	2708.2	2581.1	2387.7
30°	2597.2	2608.0	2611.9	2610.3	2651.2	2758.3	2789.8	2896.2	2930.1	2769.0	2528.7
32.5°	2782.9	2793.7	2805.3	2809.9	2862.3	2971.7	3017.1	3127.3	3175.9	2986.3	2698.9
35°	2967.1	2976.3	2998.6	3034.9	3106.5	3218.2	3258.3	3366.9	3413.9	3212.1	2904.6
37.5°	3170.5	3176.6	3195.9	3246.0	3349.2	3455.5	3495.6	3599.6	3605.0	3430.1	3137.3
40°	3393.1	3393.1	3389.3	3438.6	3546.4	3653.5	3688.2	3748.3	3716.7	3598.1	3363.8
42.5°	3581.9	3578.8	3581.9	3628.1	3708.2	3795.3	3825.4	3813.8	3773.7	3726.7	3568.8
45°	3752.2	3754.5	3782.2	3817.6	3859.3	3910.9	3928.6	3863.1	3826.9	3830.0	3732.9
47.5°	3867.7	3870.0	3934.8	3994.1	4019.5	4035.7	4028.0	3937.1	3918.6	3953.2	3859.3
50°	3883.1	3895.5	4007.2	4128.9	4192.1	4194.4	4172.8	4061.9	4056.5	4095.8	3927.1
52.5°	3886.2	3898.5	4038.0	4257.6	4421.7	4456.4	4431.7	4316.1	4259.9	4220.6	4010.3
55°	3874.7	3888.5	4042.6	4343.9	4658.2	4796.9	4799.2	4635.9	4456.4	4430.2	4247.6
57.5°	3420.9	3426.3	3665.1	4124.3	4649.0	5041.9	5072.0	4850.1	4645.1	4620.5	4437.9
60°	2383.0	2404.6	2664.3	3270.6	3905.5	4598.1	4695.2	4630.5	4493.3	4313.8	3807.6
62.5°	1193.4	1211.9	1472.4	2045.6	2693.5	3240.6	3344.6	3413.2	3445.5	3252.9	2592.6
65°	513.9	527.8	689.6	1068.6	1524.7	1789.0	1825.2	1907.7	2109.5	1882.2	1396.9
67.5°	343.6	352.9	435.3	651.8	898.4	915.3	909.9	927.6	971.6	802.1	631.0
70°	263.5	271.2	326.7	477.7	645.6	552.4	523.1	474.6	515.4	525.5	511.6
72.5°	191.1	197.2	238.8	325.9	404.5	352.9	348.2	372.9	428.4	443.8	435.3
75°	123.3	126.4	151.8	178.7	208.8	226.5	235.8	280.4	336.7	348.2	338.2
77.5°	82.4	84.8	99.4	114.8	118.7	119.4	122.5	142.5	181.1	202.6	200.3
80°	43.1	43.1	48.5	48.5	55.5	66.3	69.3	82.4	100.2	110.9	111.7
82.5°	17.0	17.7	20.8	23.1	27.7	33.9	36.2	43.1	52.4	60.1	67.0
85°	6.9	7.7	8.5	10.0	12.3	15.4	16.2	18.5	24.7	30.8	34.7
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	2.3	3.1	3.9	6.9	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633107

CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2	1701.2
2.5°	1706.6	1696.6	1706.6	1709.7	1718.1	1721.2	1715.8	1715.1	1715.1	1707.3	1705.0
5°	1718.1	1708.9	1718.9	1723.5	1735.9	1743.6	1745.1	1751.3	1755.1	1752.0	1751.3
7.5°	1746.6	1735.1	1745.9	1752.8	1769.0	1781.3	1786.7	1800.6	1810.6	1809.0	1808.3
10°	1796.7	1781.3	1793.6	1805.2	1822.9	1837.6	1838.3	1846.0	1856.0	1853.0	1851.4
12.5°	1854.5	1839.9	1853.7	1865.3	1886.1	1892.3	1882.2	1879.2	1880.7	1876.8	1873.8
15°	1925.4	1904.6	1916.9	1930.0	1941.6	1934.6	1913.1	1904.6	1903.8	1898.4	1895.3
17.5°	1996.3	1970.1	1979.3	1986.3	1980.9	1959.3	1932.3	1917.7	1910.7	1900.0	1896.9
20°	2066.4	2033.3	2031.7	2026.3	2001.7	1962.4	1926.2	1896.9	1879.2	1864.5	1859.1
22.5°	2146.5	2100.3	2077.2	2052.5	1998.6	1934.6	1879.9	1838.3	1809.8	1791.3	1785.2
25°	2232.8	2167.3	2119.5	2070.2	1967.8	1875.3	1799.0	1742.0	1708.1	1688.1	1681.2
27.5°	2318.3	2228.2	2156.5	2072.5	1906.1	1789.8	1687.3	1610.3	1576.4	1560.2	1554.8
30°	2433.9	2309.1	2200.4	2042.5	1825.2	1671.1	1543.2	1465.4	1443.1	1431.5	1426.9
32.5°	2567.2	2411.6	2259.0	1979.3	1722.0	1532.5	1397.6	1343.7	1328.3	1305.9	1305.2
35°	2742.8	2557.9	2314.5	1886.1	1591.8	1383.8	1285.9	1247.4	1219.6	1184.2	1181.1
37.5°	2947.8	2740.5	2344.5	1767.4	1440.0	1261.2	1202.7	1159.5	1114.9	1067.9	1061.7
40°	3159.7	2954.0	2346.8	1627.2	1291.3	1180.3	1131.0	1074.8	1019.3	966.9	960.0
42.5°	3382.3	3152.7	2306.0	1465.4	1169.6	1110.2	1060.2	989.3	926.9	891.4	887.6
45°	3581.1	3313.0	2213.5	1295.1	1079.4	1051.7	987.7	911.5	878.3	852.9	847.5
47.5°	3737.5	3419.3	2088.7	1142.6	1006.2	991.6	908.4	869.1	843.7	820.5	815.2
50°	3814.6	3443.2	1926.2	1018.6	938.4	920.7	863.7	833.6	816.7	798.2	793.6
52.5°	3910.1	3470.2	1785.9	914.5	872.2	848.3	826.7	802.8	790.5	778.9	775.1
55°	4129.7	3571.9	1712.0	831.3	809.0	798.2	795.1	775.1	771.2	763.5	756.6
57.5°	4219.1	3506.4	1537.1	763.5	758.9	760.4	768.2	749.7	745.8	736.6	731.9
60°	3393.1	2650.4	1040.9	705.0	717.3	727.3	735.0	716.5	711.1	709.6	703.4
62.5°	2174.2	1630.3	726.5	650.3	668.8	681.1	685.7	668.0	664.1	676.5	677.2
65°	1131.8	888.3	589.4	591.7	607.1	625.6	634.9	628.7	627.2	640.3	641.0
67.5°	577.8	543.2	513.9	522.4	534.7	558.6	580.2	607.1	616.4	617.9	618.7
70°	492.3	476.9	462.3	467.7	480.8	493.9	514.7	527.8	512.4	508.5	507.0
72.5°	419.1	407.6	400.6	406.8	413.7	411.4	405.3	411.4	413.7	414.5	415.3
75°	325.9	317.4	312.0	312.8	312.8	304.3	292.8	285.8	278.1	272.0	272.0
77.5°	199.6	201.1	206.5	205.7	204.9	201.9	190.3	184.1	165.6	160.3	160.3
80°	114.0	116.3	121.7	123.3	123.3	119.4	107.9	100.9	92.5	88.6	87.8
82.5°	69.3	72.4	75.5	77.0	77.8	73.2	63.2	57.8	53.2	49.3	49.3
85°	36.2	37.8	40.8	41.6	39.3	34.7	29.3	27.0	22.3	21.6	21.6
87.5°	10.0	10.8	12.3	10.0	9.2	6.9	3.9	3.1	1.5	0.8	0.8
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)