

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: P634877

Luminaire Tested: GWS-SA3C-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634877
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-SA3C-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14146.9 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

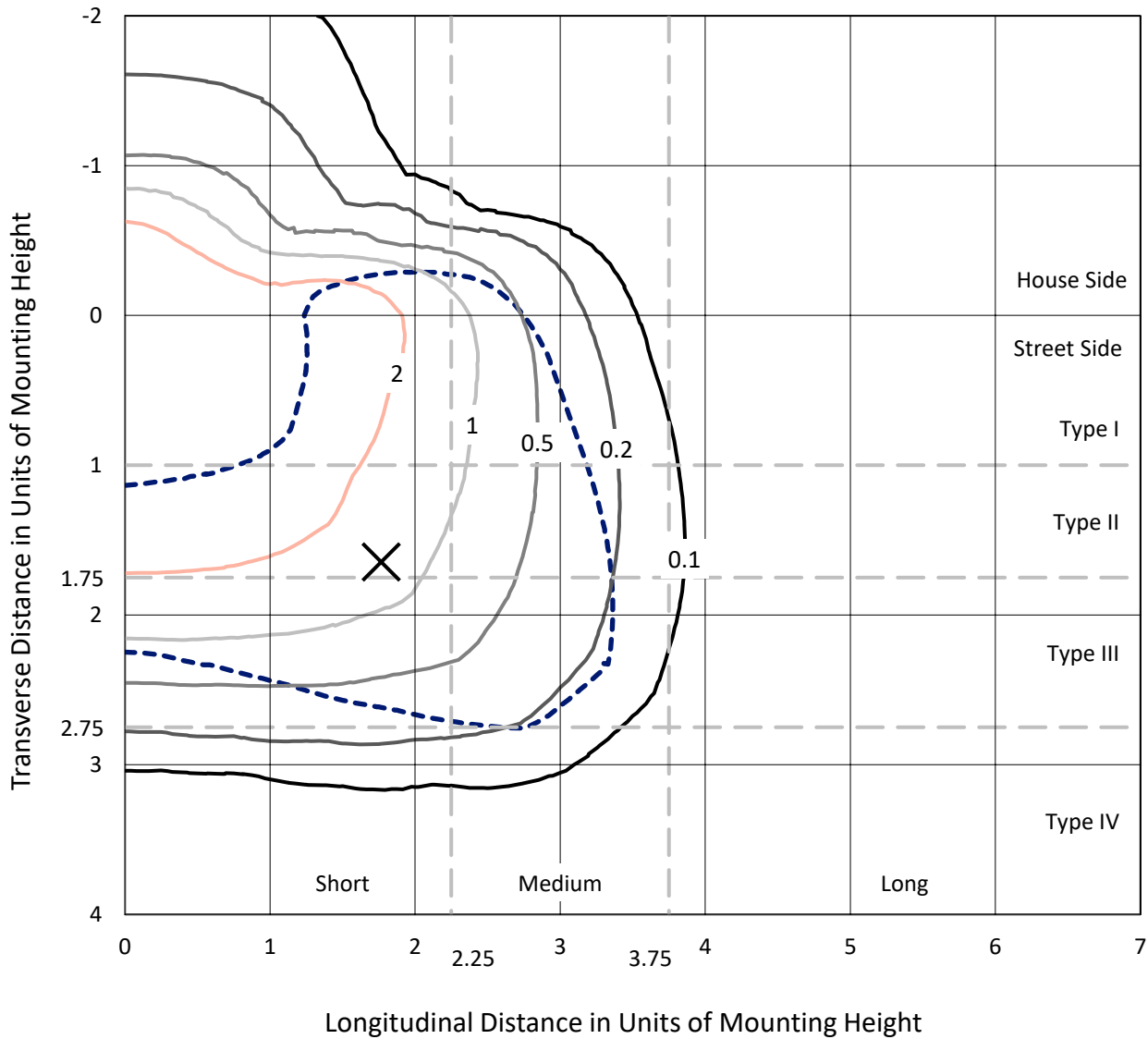
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

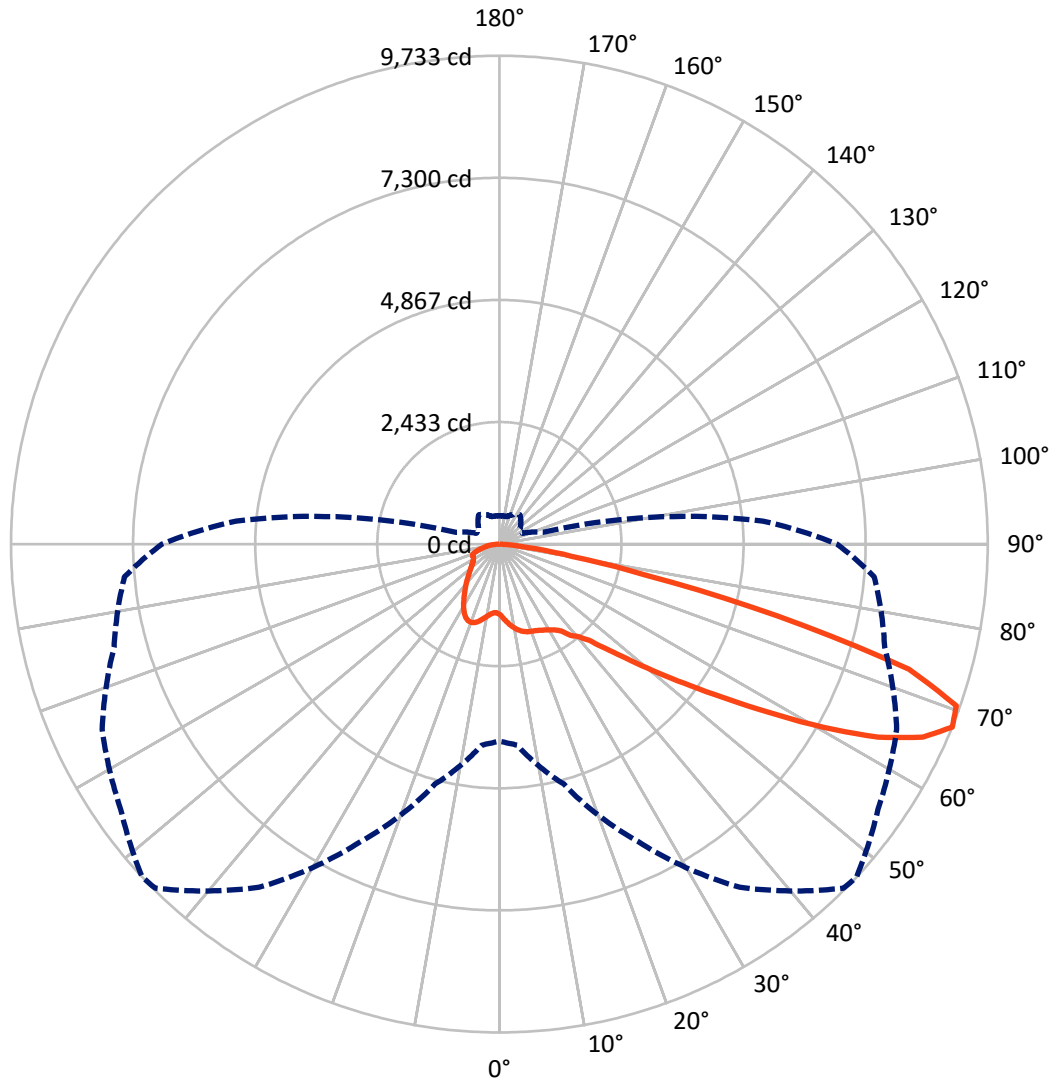
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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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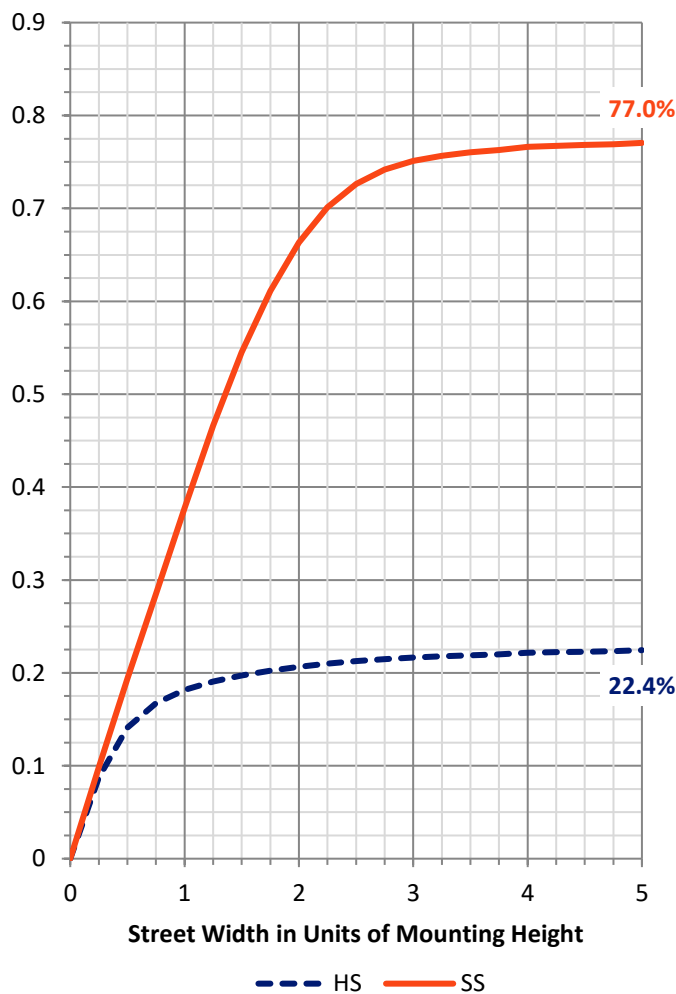
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3224.2	0.0	3224.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	10922.7	0.0	10922.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	14146.9	0.0	14146.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	1.0
10°-20°	477.5	3.4
20°-30°	811.6	5.7
30°-40°	1189.0	8.4
40°-50°	1811.5	12.8
50°-60°	3241.2	22.9
60°-70°	4325.1	30.6
70°-80°	1955.9	13.8
80°-90°	191.6	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°	14146.9	100.0
0°-180°	14146.9	100.0

Coefficient of Utilization



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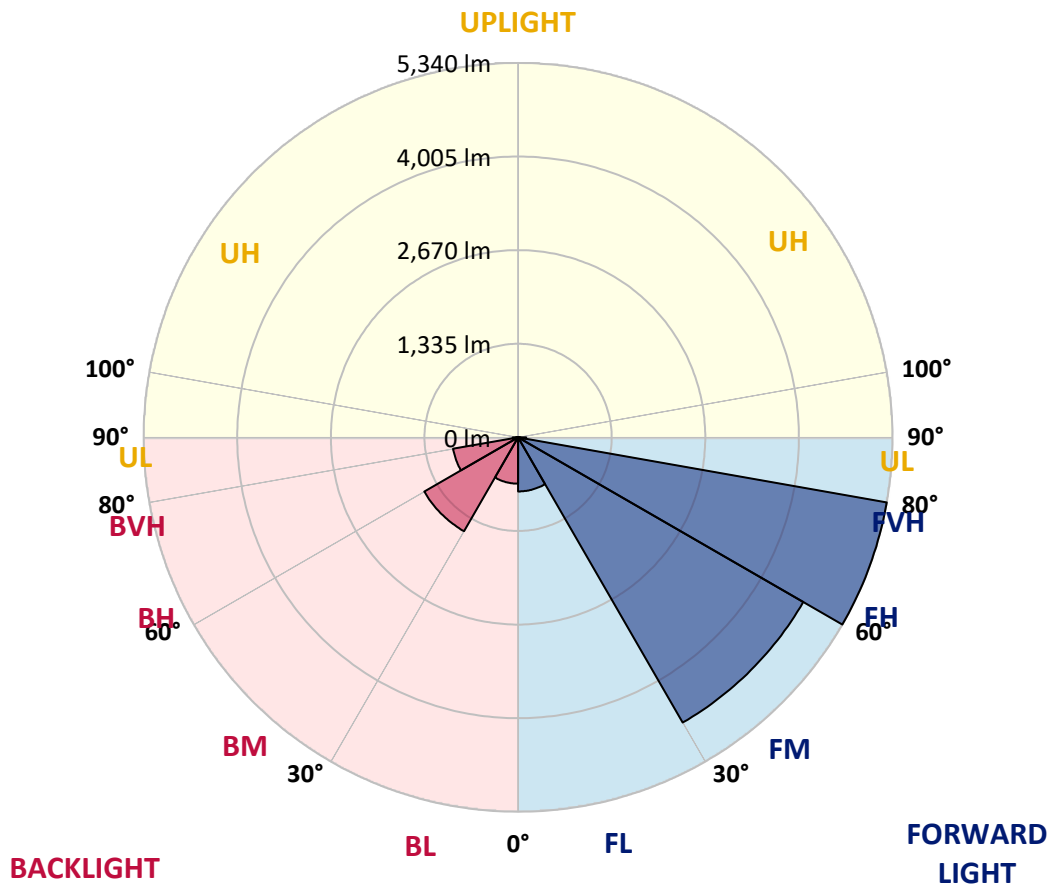
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	771.5	5.5			
FM (30°-60°)	4696.9	33.2			
FH (60°-80°)	5340.3	37.7			G3/7500
FVH (80°-90°)	114.0	0.8			G2/225
BL (0°-30°)	661.0	4.7	B2/1000		
BM (30°-60°)	1544.9	10.9	B2/2500		
BH (60°-80°)	940.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	77.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4
2.5°	1495.5	1500.6	1499.6	1491.4	1486.3	1477.1	1478.1	1463.8	1442.3	1428.0	1411.6
5°	1627.4	1635.6	1625.4	1612.1	1591.6	1562.0	1558.9	1526.2	1485.3	1456.6	1427.0
7.5°	1742.0	1747.1	1734.9	1712.3	1682.7	1642.8	1635.6	1596.8	1545.6	1500.6	1457.6
10°	1831.0	1837.1	1820.8	1791.1	1752.2	1712.3	1707.2	1667.3	1613.1	1559.9	1505.7
12.5°	1906.7	1908.7	1891.4	1851.5	1809.5	1768.6	1763.5	1726.7	1676.5	1622.3	1563.0
15°	1950.7	1951.7	1930.2	1886.2	1846.3	1810.5	1807.5	1775.8	1729.7	1678.6	1615.2
17.5°	1947.6	1949.7	1934.3	1895.4	1860.7	1839.2	1836.1	1815.7	1779.9	1733.8	1670.4
20°	1909.8	1911.8	1901.6	1876.0	1857.6	1851.5	1852.5	1846.3	1824.9	1787.0	1722.6
22.5°	1880.1	1883.2	1874.0	1855.6	1853.5	1867.8	1870.9	1874.0	1863.7	1830.0	1767.6
25°	1894.4	1899.5	1885.2	1859.6	1863.7	1895.4	1901.6	1911.8	1903.6	1875.0	1820.8
27.5°	1993.6	1996.7	1959.9	1907.7	1895.4	1929.2	1938.4	1954.8	1948.6	1922.0	1880.1
30°	2223.8	2221.8	2143.0	2015.1	1964.0	1977.3	1984.4	2008.0	2010.0	1992.6	1952.7
32.5°	2548.1	2537.8	2416.1	2212.5	2064.2	2031.5	2039.7	2071.4	2094.9	2076.5	2022.3
35°	2890.7	2881.5	2747.5	2509.2	2249.4	2135.8	2126.6	2151.2	2187.0	2135.8	2058.1
37.5°	3217.0	3202.7	3065.7	2771.1	2477.5	2318.9	2305.6	2281.1	2259.6	2161.4	2102.1
40°	3579.2	3562.8	3443.1	3109.6	2729.1	2459.1	2425.3	2328.1	2308.7	2246.3	2216.6
42.5°	3965.8	3965.8	3866.6	3538.2	3032.9	2659.6	2615.6	2469.3	2489.8	2448.8	2414.1
45°	4352.5	4363.7	4285.0	3969.9	3439.0	3038.0	2967.5	2759.8	2808.9	2790.5	2773.1
47.5°	4681.8	4703.3	4688.0	4410.8	3936.1	3498.3	3390.9	3175.1	3280.5	3324.4	3373.5
50°	5036.8	5060.3	5045.0	4935.5	4518.2	4055.8	3959.7	3736.7	3917.7	4049.7	4210.3
52.5°	5563.6	5597.3	5469.5	5427.5	5225.0	4689.0	4603.1	4349.4	4677.8	4896.7	5254.7
55°	6008.6	6007.5	5962.5	6058.7	5984.0	5463.3	5368.2	5138.1	5557.5	5789.7	6313.4
57.5°	6215.2	6239.7	6394.2	6666.3	6815.6	6409.5	6318.5	6083.2	6501.6	6622.3	7188.0
60°	6321.6	6352.3	6650.9	7189.0	7591.0	7442.7	7406.9	7107.2	7342.4	7328.1	7925.5
62.5°	6172.2	6233.6	6713.3	7428.4	8144.4	8480.9	8469.7	8016.5	8057.4	7917.3	8382.7
65°	5486.9	5553.4	6306.2	7308.7	8460.5	9270.6	9273.7	8840.0	8606.7	8203.7	8306.0
67.5°	3923.9	4019.0	4949.8	6539.4	8349.0	9697.2	9733.0	9213.3	8735.6	7950.0	7500.0
70°	2138.9	2208.5	2937.8	4753.4	7344.5	9594.9	9661.4	9033.3	8166.9	6877.0	5773.3
72.5°	971.8	994.3	1366.6	2608.4	5017.4	8259.0	8537.2	8061.5	6707.2	5079.8	3671.2
75°	445.0	455.2	595.3	1247.9	2621.7	5526.8	5722.1	6004.5	4667.5	3207.8	1913.9
77.5°	279.3	282.3	338.6	570.8	1307.3	2758.8	2964.4	3575.1	2733.2	1587.6	799.9
80°	164.7	167.8	210.7	308.9	613.7	1262.3	1457.6	1413.7	1284.8	685.3	364.2
82.5°	82.9	85.9	121.7	175.9	334.5	502.2	591.2	594.3	478.7	371.3	205.6
85°	29.7	30.7	39.9	69.6	142.2	165.7	185.1	226.1	234.2	215.8	99.2
87.5°	0.0	0.0	1.0	2.0	4.1	16.4	17.4	32.7	68.5	76.7	39.9
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°	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4	1402.4
2.5°	1406.5	1391.2	1386.0	1380.9	1372.7	1369.7	1363.5	1357.4	1357.4	1351.3	1348.2
5°	1413.7	1393.2	1379.9	1373.8	1368.6	1371.7	1371.7	1373.8	1380.9	1376.8	1378.9
7.5°	1439.2	1415.7	1397.3	1392.2	1392.2	1404.5	1412.6	1422.9	1436.2	1438.2	1438.2
10°	1484.2	1456.6	1437.2	1434.1	1439.2	1456.6	1468.9	1481.2	1497.5	1498.6	1500.6
12.5°	1533.3	1505.7	1486.3	1490.4	1495.5	1518.0	1531.3	1541.5	1557.9	1557.9	1556.9
15°	1584.5	1553.8	1537.4	1545.6	1561.0	1586.5	1588.6	1589.6	1597.8	1595.7	1594.7
17.5°	1637.7	1604.9	1592.7	1604.9	1621.3	1633.6	1623.4	1609.0	1606.0	1601.9	1599.8
20°	1689.8	1656.1	1651.0	1660.2	1665.3	1655.1	1623.4	1596.8	1584.5	1578.3	1576.3
22.5°	1734.9	1706.2	1703.1	1703.1	1677.6	1641.8	1594.7	1558.9	1542.5	1534.4	1532.3
25°	1788.0	1761.4	1756.3	1728.7	1663.2	1597.8	1534.4	1501.6	1488.3	1484.2	1485.3
27.5°	1850.4	1832.0	1815.7	1736.9	1622.3	1520.0	1448.4	1434.1	1429.0	1434.1	1437.2
30°	1927.2	1908.7	1871.9	1726.7	1556.9	1418.8	1350.2	1349.2	1364.6	1377.9	1379.9
32.5°	1989.6	1981.4	1921.0	1693.9	1464.8	1307.3	1249.0	1253.1	1280.7	1299.1	1302.2
35°	2038.7	2052.0	1961.9	1639.7	1355.4	1201.9	1155.9	1157.9	1173.3	1198.8	1199.9
37.5°	2108.2	2153.2	1998.8	1556.9	1229.5	1110.9	1068.9	1053.6	1051.5	1058.7	1060.8
40°	2248.3	2315.9	2025.4	1436.2	1107.8	1029.0	982.0	952.3	926.8	907.3	901.2
42.5°	2460.1	2537.8	2040.7	1289.9	999.4	948.2	895.0	857.2	812.2	771.3	757.0
45°	2848.8	2874.4	2040.7	1134.4	903.2	872.5	819.3	774.3	717.1	669.0	658.8
47.5°	3470.7	3388.9	2042.7	984.0	818.3	806.1	760.0	708.9	645.5	605.6	599.4
50°	4407.7	4120.3	2084.7	859.2	747.7	749.8	716.0	659.8	602.5	572.8	567.7
52.5°	5469.5	5021.5	2197.2	767.2	688.4	703.8	685.3	631.1	580.0	554.4	549.3
55°	6467.8	5850.0	2293.4	701.7	638.3	664.9	663.9	613.7	567.7	542.1	539.1
57.5°	7316.9	6417.7	2279.0	648.5	595.3	629.1	644.4	602.5	559.5	538.0	535.0
60°	7844.7	6718.5	2075.5	599.4	562.6	603.5	633.2	599.4	563.6	558.5	559.5
62.5°	8073.8	6663.2	1684.7	562.6	541.1	591.2	645.5	620.9	601.5	613.7	620.9
65°	7717.8	6188.6	1239.8	535.0	520.7	594.3	674.1	654.7	601.5	609.7	612.7
67.5°	6729.7	5268.0	896.1	507.4	495.1	603.5	715.0	649.5	566.7	566.7	560.6
70°	4849.6	3788.8	650.6	479.7	469.5	590.2	717.1	614.8	526.8	523.7	508.4
72.5°	2918.4	2235.1	507.4	449.1	430.6	523.7	672.0	573.9	487.9	462.4	443.9
75°	1515.9	1120.1	425.5	415.3	369.3	443.9	614.8	510.4	417.3	394.8	384.6
77.5°	649.5	523.7	365.2	370.3	306.9	373.4	496.1	441.9	370.3	341.7	332.4
80°	320.2	297.7	288.5	296.6	245.5	288.5	427.6	386.7	314.0	281.3	268.0
82.5°	183.1	173.9	207.7	210.7	174.9	241.4	361.1	327.3	259.8	224.0	202.5
85°	84.9	91.0	125.8	126.8	108.4	165.7	236.3	184.1	138.1	114.6	109.5
87.5°	33.8	39.9	55.2	54.2	31.7	30.7	20.5	11.3	9.2	8.2	7.2
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)