

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: P634932

Luminaire Tested: GWS-SA3C-760-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634932  
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-760-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

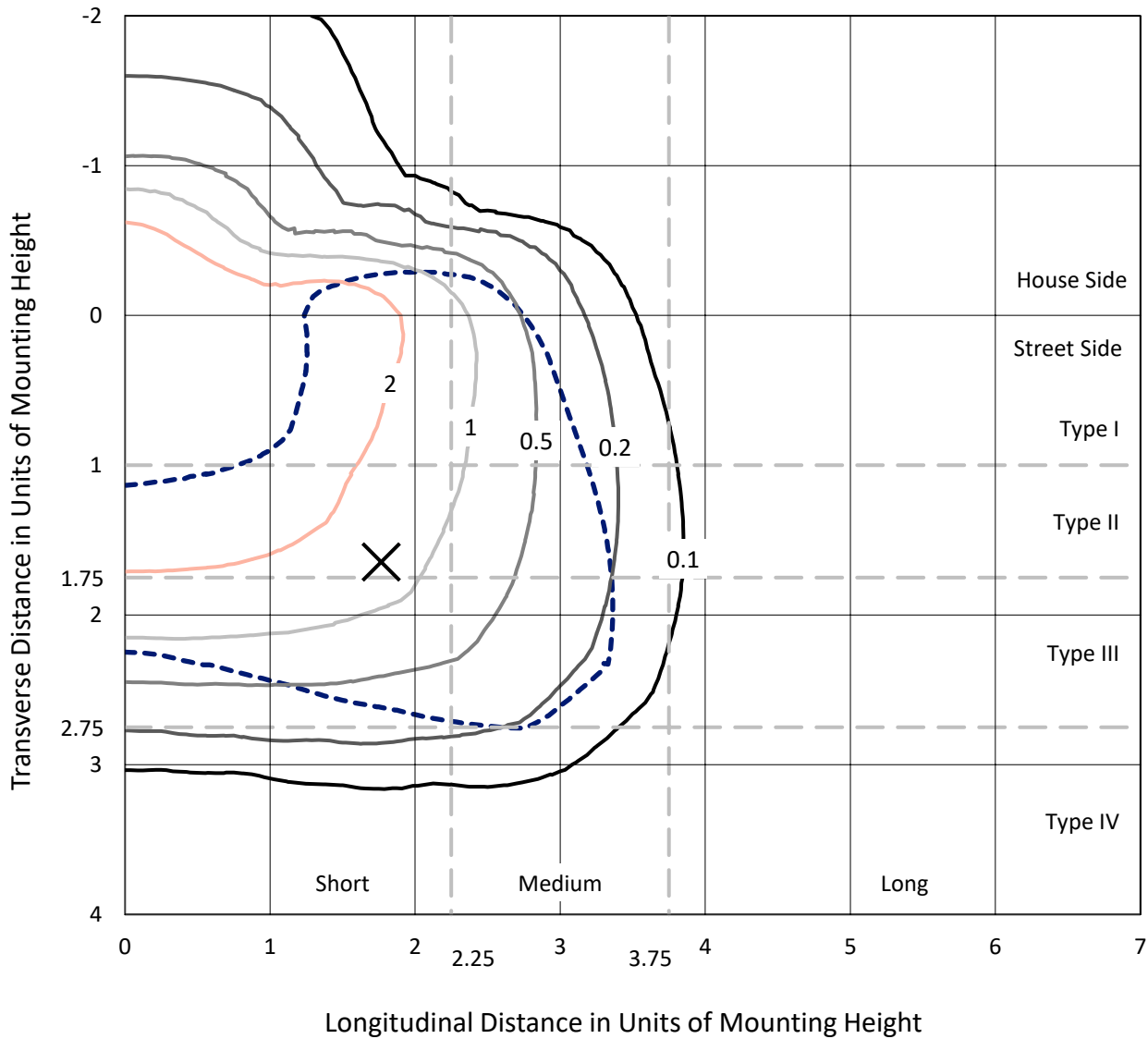
Lumens per Lamp: N/A  
Luminaire Lumens: 13953 lumens  
Efficiency: N/A  
Efficacy: 150.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

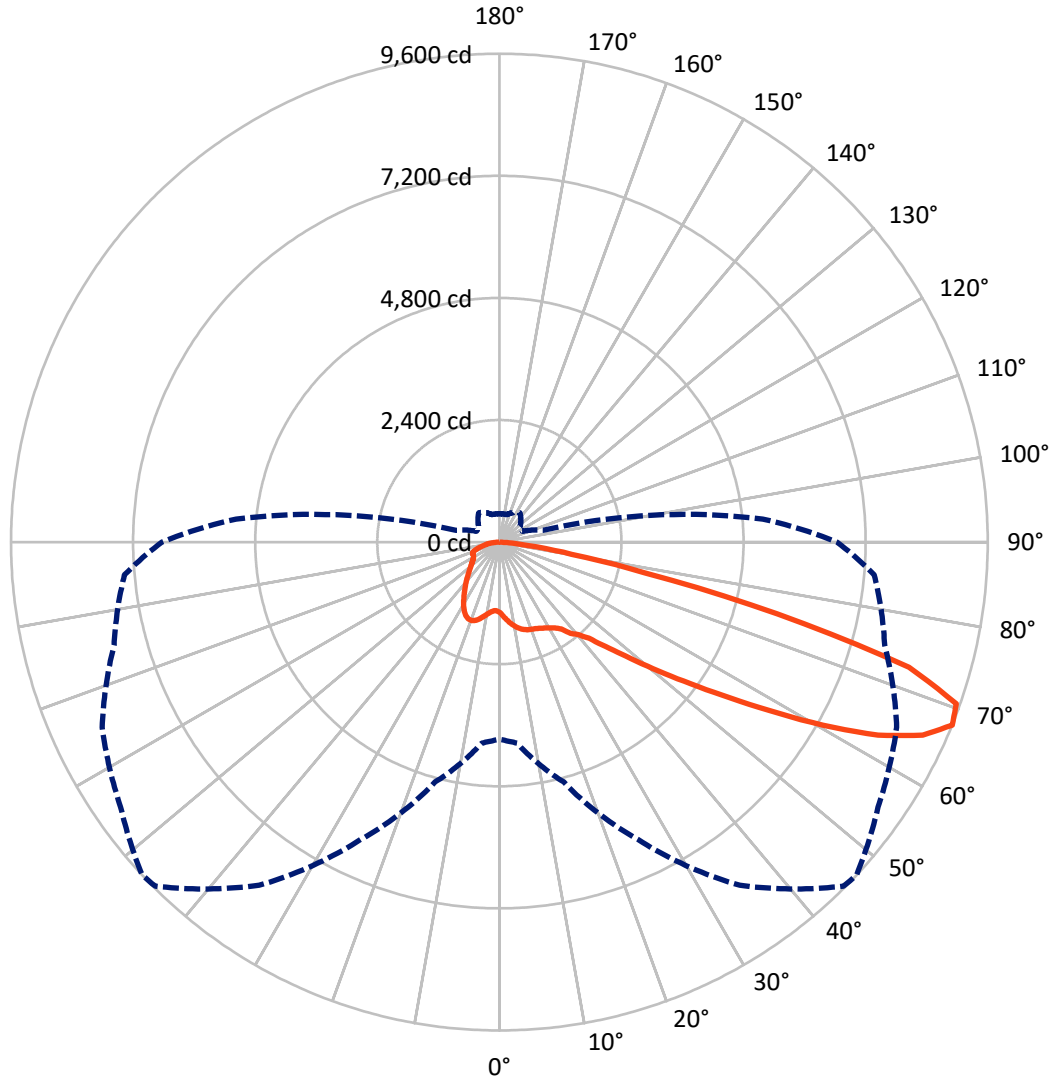
✕ Max cd  
 - - - 1/2 Max cd



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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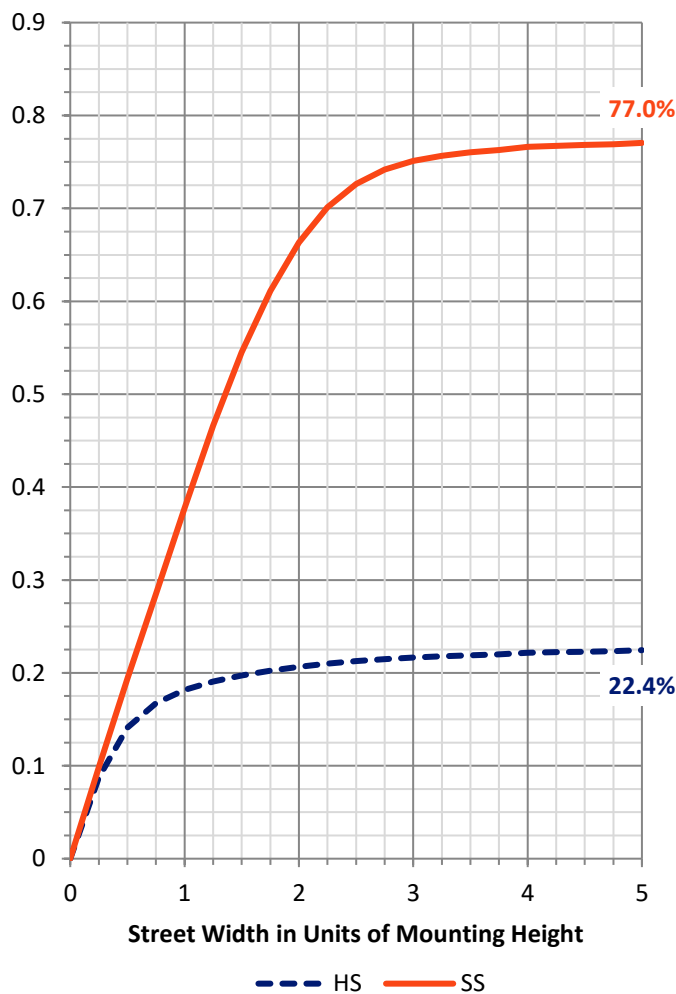
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3180.0	0.0	3180.0
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	10773.0	0.0	10773.0
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	13953.0	0.0	13953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.4	1.0
10°-20°	471.0	3.4
20°-30°	800.5	5.7
30°-40°	1172.7	8.4
40°-50°	1786.7	12.8
50°-60°	3196.8	22.9
60°-70°	4265.8	30.6
70°-80°	1929.1	13.8
80°-90°	189.0	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°	13953.0	100.0
0°-180°	13953.0	100.0

**Coefficient of Utilization**



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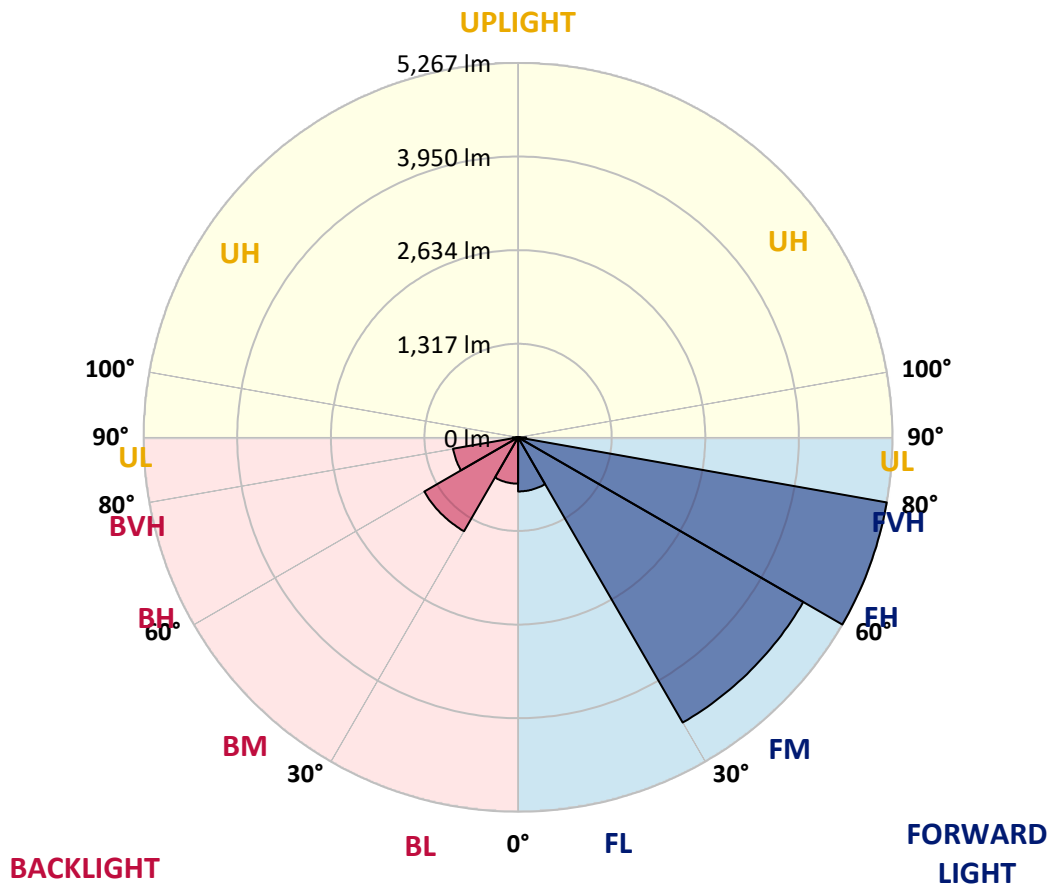
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.9	5.5			
FM (30°-60°)	4632.5	33.2			
FH (60°-80°)	5267.1	37.7			G3/7500
FVH (80°-90°)	112.4	0.8			G2/225
BL (0°-30°)	651.9	4.7	B2/1000		
BM (30°-60°)	1523.7	10.9	B2/2500		
BH (60°-80°)	927.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	76.6	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°	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2
2.5°	1475.0	1480.0	1479.0	1471.0	1465.9	1456.8	1457.8	1443.7	1422.5	1408.4	1392.3
5°	1605.1	1613.2	1603.1	1590.0	1569.8	1540.6	1537.5	1505.3	1464.9	1436.7	1407.4
7.5°	1718.1	1723.2	1711.1	1688.9	1659.6	1620.3	1613.2	1574.9	1524.4	1480.0	1437.7
10°	1805.9	1812.0	1795.8	1766.6	1728.2	1688.9	1683.8	1644.5	1591.0	1538.6	1485.1
12.5°	1880.6	1882.6	1865.4	1826.1	1784.7	1744.4	1739.3	1703.0	1653.6	1600.1	1541.6
15°	1923.9	1925.0	1903.8	1860.4	1821.0	1785.7	1782.7	1751.4	1706.0	1655.6	1593.0
17.5°	1920.9	1922.9	1907.8	1869.5	1835.2	1814.0	1811.0	1790.8	1755.5	1710.1	1647.5
20°	1883.6	1885.6	1875.5	1850.3	1832.1	1826.1	1827.1	1821.0	1799.9	1762.5	1699.0
22.5°	1854.3	1857.4	1848.3	1830.1	1828.1	1842.2	1845.3	1848.3	1838.2	1804.9	1743.4
25°	1868.5	1873.5	1859.4	1834.2	1838.2	1869.5	1875.5	1885.6	1877.5	1849.3	1795.8
27.5°	1966.3	1969.3	1933.0	1881.6	1869.5	1902.8	1911.8	1928.0	1921.9	1895.7	1854.3
30°	2193.3	2191.3	2113.6	1987.5	1937.1	1950.2	1957.2	1980.4	1982.5	1965.3	1926.0
32.5°	2513.1	2503.0	2383.0	2182.2	2035.9	2003.6	2011.7	2043.0	2066.2	2048.0	1994.6
35°	2851.1	2842.0	2709.9	2474.8	2218.5	2106.6	2097.5	2121.7	2157.0	2106.6	2029.9
37.5°	3172.9	3158.8	3023.6	2733.1	2443.5	2287.1	2274.0	2249.8	2228.6	2131.8	2073.3
40°	3530.1	3514.0	3395.9	3067.0	2691.7	2425.4	2392.1	2296.2	2277.1	2215.5	2186.3
42.5°	3911.5	3911.5	3813.6	3489.7	2991.3	2623.1	2579.7	2435.5	2455.6	2415.3	2381.0
45°	4292.8	4303.9	4226.2	3915.5	3391.9	2996.4	2926.8	2722.0	2770.4	2752.2	2735.1
47.5°	4617.7	4638.9	4623.7	4350.3	3882.2	3450.4	3344.5	3131.6	3235.5	3278.9	3327.3
50°	4967.8	4991.0	4975.8	4867.9	4456.3	4000.2	3905.4	3685.5	3864.0	3994.2	4152.6
52.5°	5487.3	5520.6	5394.5	5353.2	5153.4	4624.7	4540.0	4289.8	4613.6	4829.5	5182.7
55°	5926.2	5925.2	5880.8	5975.6	5902.0	5388.5	5294.6	5067.6	5481.3	5710.3	6226.8
57.5°	6130.0	6154.2	6306.6	6574.9	6722.2	6321.7	6231.9	5999.9	6412.5	6531.5	7089.4
60°	6234.9	6265.2	6559.8	7090.5	7486.9	7340.7	7305.3	7009.7	7241.8	7227.7	7816.9
62.5°	6087.6	6148.2	6621.3	7326.5	8032.8	8364.7	8353.6	7906.6	7947.0	7808.8	8267.8
65°	5411.7	5477.2	6219.8	7208.5	8344.5	9143.5	9146.6	8718.8	8488.8	8091.3	8192.2
67.5°	3870.1	3963.9	4882.0	6449.8	8234.5	9564.2	9599.6	9087.0	8615.9	7841.1	7397.2
70°	2109.6	2178.2	2897.5	4688.3	7243.8	9463.4	9528.9	8909.5	8055.0	6782.7	5694.2
72.5°	958.4	980.6	1347.9	2572.7	4948.6	8145.8	8420.2	7951.0	6615.3	5010.1	3620.9
75°	438.9	449.0	587.2	1230.8	2585.8	5451.0	5643.7	5922.2	4603.6	3163.9	1887.6
77.5°	275.4	278.5	333.9	563.0	1289.4	2721.0	2923.8	3526.1	2695.7	1565.8	788.9
80°	162.4	165.5	207.8	304.7	605.3	1245.0	1437.7	1394.3	1267.2	676.0	359.2
82.5°	81.7	84.7	120.1	173.5	329.9	495.4	583.1	586.2	472.2	366.2	202.8
85°	29.3	30.3	39.3	68.6	140.2	163.4	182.6	223.0	231.0	212.9	97.9
87.5°	0.0	0.0	1.0	2.0	4.0	16.1	17.2	32.3	67.6	75.7	39.3
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°	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2	1383.2
2.5°	1387.2	1372.1	1367.0	1362.0	1353.9	1350.9	1344.8	1338.8	1338.8	1332.7	1329.7
5°	1394.3	1374.1	1361.0	1354.9	1349.9	1352.9	1352.9	1354.9	1362.0	1358.0	1360.0
7.5°	1419.5	1396.3	1378.1	1373.1	1373.1	1385.2	1393.3	1403.4	1416.5	1418.5	1418.5
10°	1463.9	1436.7	1417.5	1414.5	1419.5	1436.7	1448.8	1460.9	1477.0	1478.0	1480.0
12.5°	1512.3	1485.1	1465.9	1469.9	1475.0	1497.2	1510.3	1520.4	1536.5	1536.5	1535.5
15°	1562.8	1532.5	1516.4	1524.4	1539.6	1564.8	1566.8	1567.8	1575.9	1573.9	1572.9
17.5°	1615.2	1582.9	1570.8	1582.9	1599.1	1611.2	1601.1	1587.0	1584.0	1579.9	1577.9
20°	1666.7	1633.4	1628.3	1637.4	1642.5	1632.4	1601.1	1574.9	1562.8	1556.7	1554.7
22.5°	1711.1	1682.8	1679.8	1679.8	1654.6	1619.3	1572.9	1537.5	1521.4	1513.3	1511.3
25°	1763.5	1737.3	1732.3	1705.0	1640.5	1575.9	1513.3	1481.0	1467.9	1463.9	1464.9
27.5°	1825.1	1806.9	1790.8	1713.1	1600.1	1499.2	1428.6	1414.5	1409.4	1414.5	1417.5
30°	1900.7	1882.6	1846.3	1703.0	1535.5	1399.3	1331.7	1330.7	1345.9	1359.0	1361.0
32.5°	1962.3	1954.2	1894.7	1670.7	1444.7	1289.4	1231.9	1235.9	1263.1	1281.3	1284.3
35°	2010.7	2023.8	1935.0	1617.2	1336.8	1185.4	1140.0	1142.1	1157.2	1182.4	1183.4
37.5°	2079.3	2123.7	1971.4	1535.5	1212.7	1095.7	1054.3	1039.2	1037.1	1044.2	1046.2
40°	2217.5	2284.1	1997.6	1416.5	1092.6	1014.9	968.5	939.3	914.1	894.9	888.8
42.5°	2426.4	2503.0	2012.7	1272.2	985.7	935.2	882.8	845.4	801.1	760.7	746.6
45°	2809.7	2835.0	2012.7	1118.9	890.8	860.6	808.1	763.7	707.2	659.8	649.7
47.5°	3423.2	3342.4	2014.7	970.5	807.1	795.0	749.6	699.2	636.6	597.3	591.2
50°	4347.3	4063.8	2056.1	847.5	737.5	739.5	706.2	650.7	594.2	565.0	559.9
52.5°	5394.5	4952.6	2167.1	756.7	679.0	694.1	676.0	622.5	572.0	546.8	541.8
55°	6379.2	5769.8	2261.9	692.1	629.5	655.8	654.8	605.3	559.9	534.7	531.7
57.5°	7216.6	6329.8	2247.8	639.6	587.2	620.5	635.6	594.2	551.9	530.7	527.6
60°	7737.2	6626.4	2047.0	591.2	554.9	595.2	624.5	591.2	555.9	550.9	551.9
62.5°	7963.1	6571.9	1661.6	554.9	533.7	583.1	636.6	612.4	593.2	605.3	612.4
65°	7612.1	6103.8	1222.8	527.6	513.5	586.2	664.9	645.7	593.2	601.3	604.3
67.5°	6637.5	5195.8	883.8	500.4	488.3	595.2	705.2	640.6	558.9	558.9	552.9
70°	4783.1	3736.9	641.7	473.2	463.1	582.1	707.2	606.3	519.6	516.6	501.4
72.5°	2878.4	2204.4	500.4	442.9	424.7	516.6	662.8	566.0	481.2	456.0	437.9
75°	1495.2	1104.7	419.7	409.6	364.2	437.9	606.3	503.4	411.6	389.4	379.3
77.5°	640.6	516.6	360.2	365.2	302.7	368.2	489.3	435.8	365.2	337.0	327.9
80°	315.8	293.6	284.5	292.6	242.1	284.5	421.7	381.4	309.7	277.4	264.3
82.5°	180.6	171.5	204.8	207.8	172.5	238.1	356.1	322.8	256.3	220.9	199.8
85°	83.7	89.8	124.1	125.1	106.9	163.4	233.1	181.6	136.2	113.0	108.0
87.5°	33.3	39.3	54.5	53.5	31.3	30.3	20.2	11.1	9.1	8.1	7.1
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)