

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: P631106

Luminaire Tested: GWS-SA1F-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

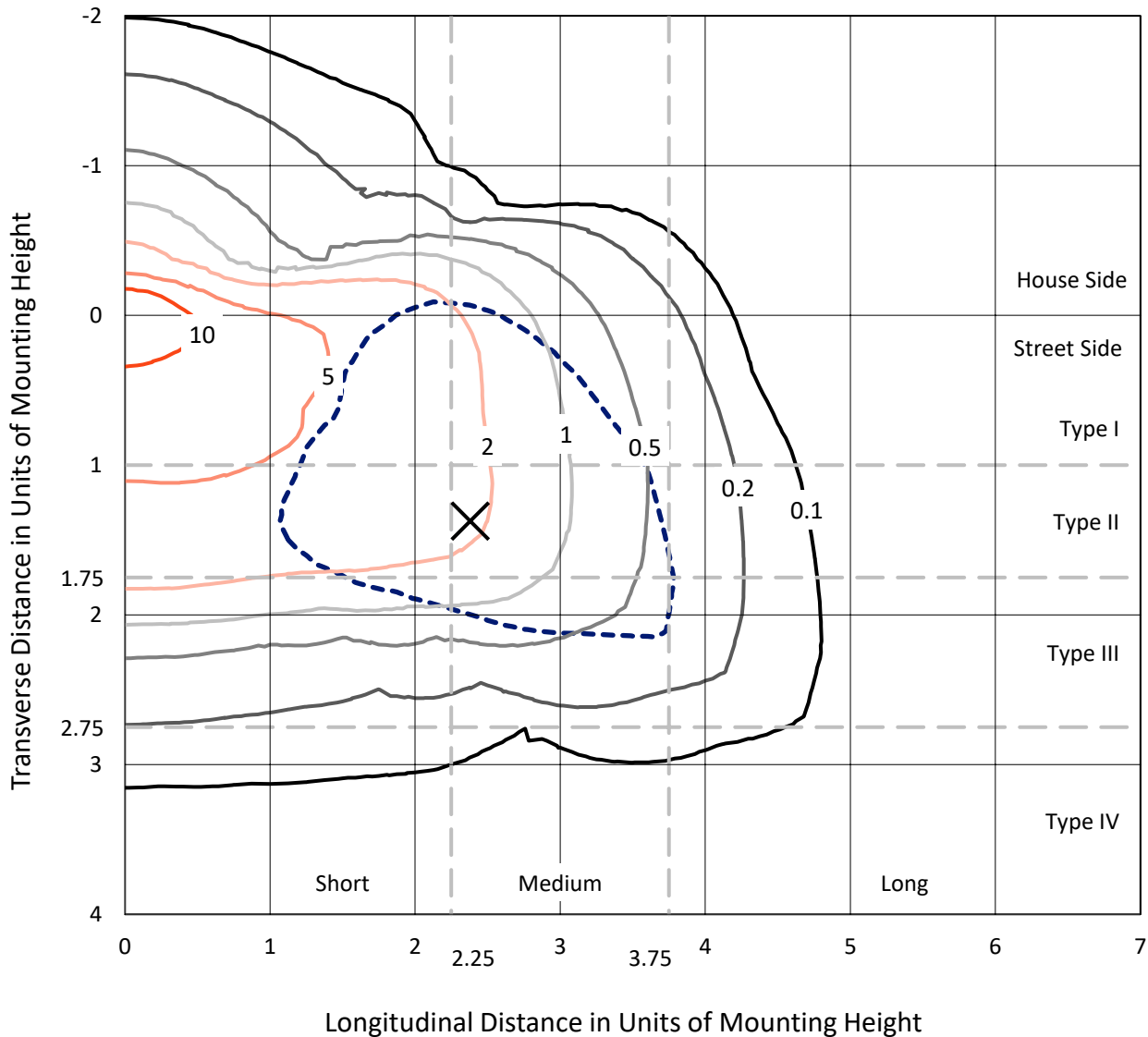
Lumens per Lamp: N/A  
Luminaire Lumens: 6080.5 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

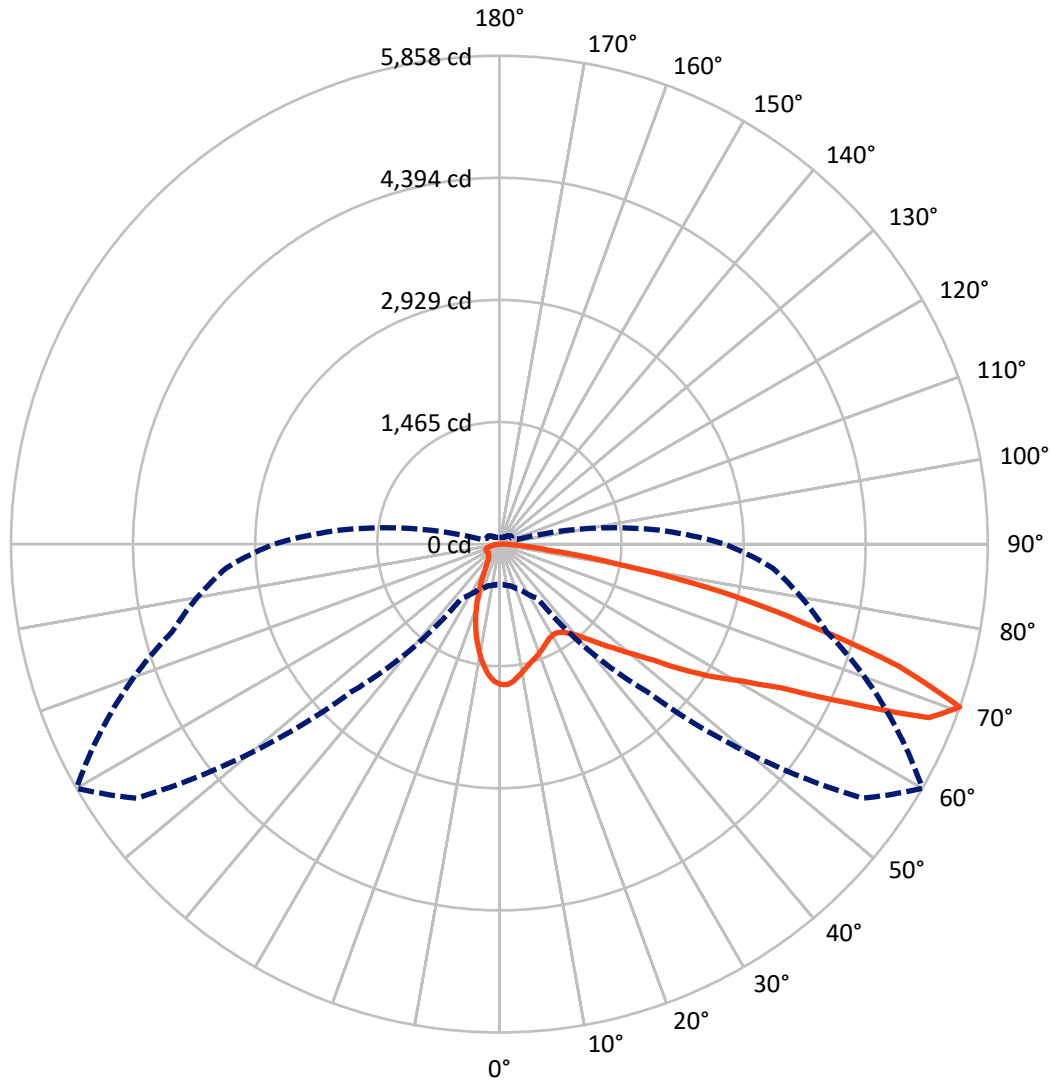
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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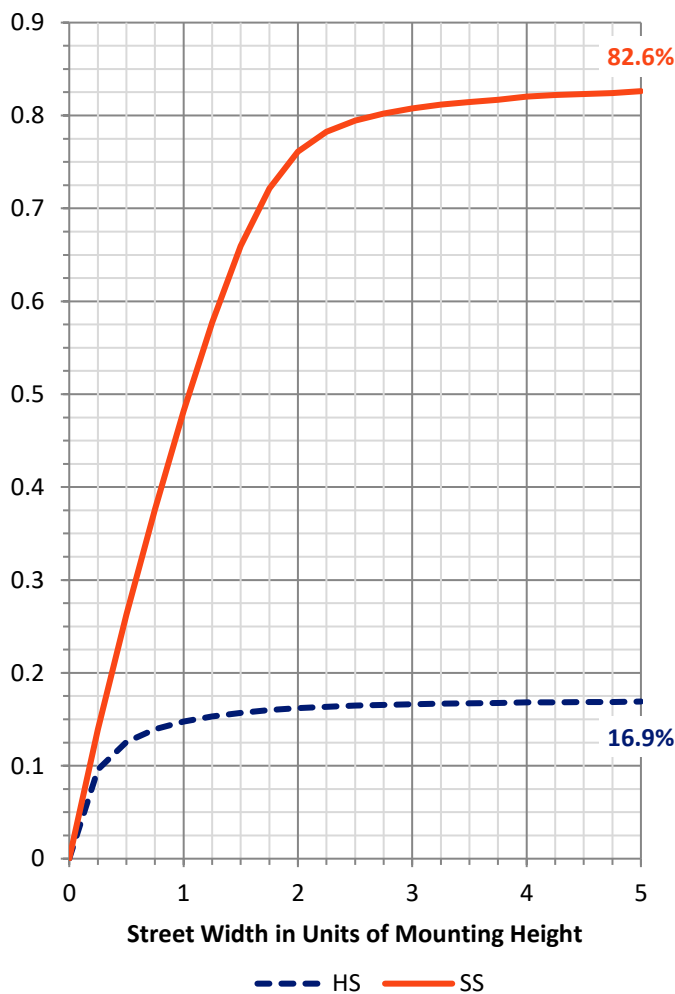
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1039.9	0.0	1039.9
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	5040.6	0.0	5040.6
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	6080.5	0.0	6080.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.0	2.4
10°-20°	324.9	5.3
20°-30°	416.1	6.8
30°-40°	546.9	9.0
40°-50°	793.4	13.0
50°-60°	1237.9	20.4
60°-70°	1620.7	26.7
70°-80°	896.2	14.7
80°-90°	99.5	1.6
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°	6080.5	100.0
0°-180°	6080.5	100.0

**Coefficient of Utilization**



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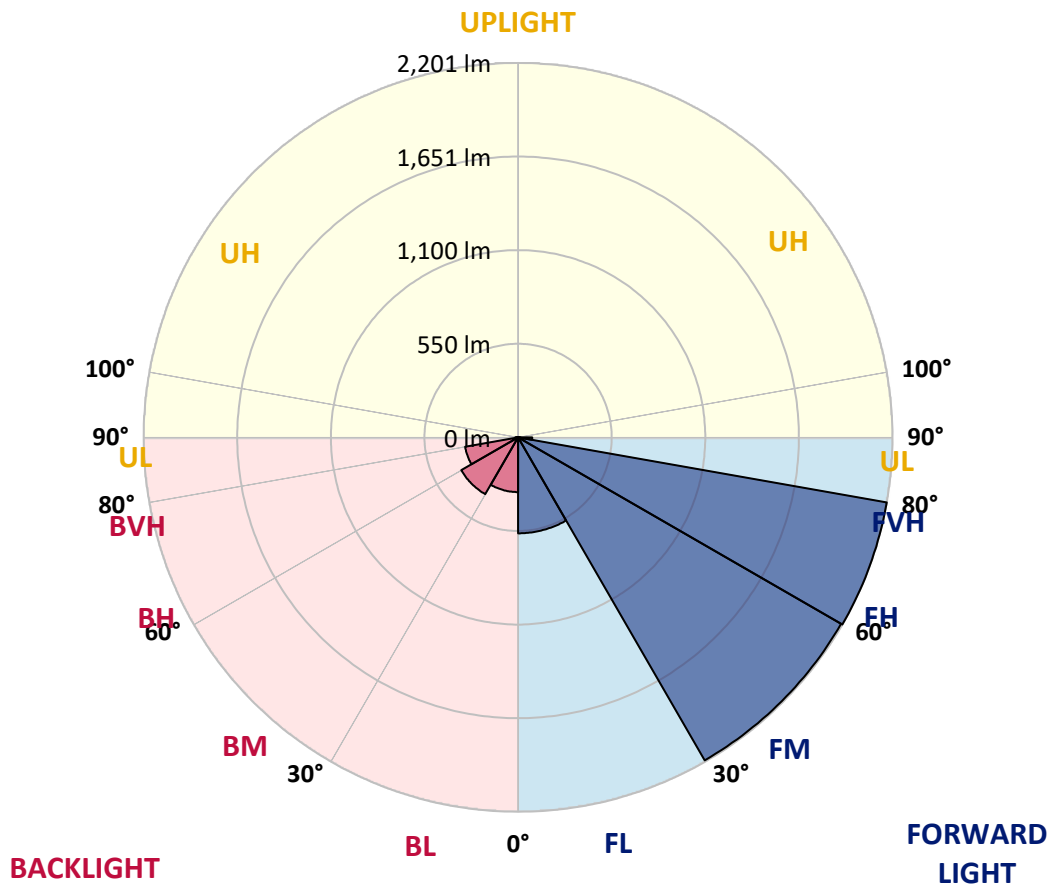
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.3	9.3			
FM (30°-60°)	2192.6	36.1			
FH (60°-80°)	2200.8	36.2			G2/5000
FVH (80°-90°)	82.9	1.4			G1/100
BL (0°-30°)	321.7	5.3	B1/500		
BM (30°-60°)	385.6	6.3	B1/1000		
BH (60°-80°)	316.0	5.2	B1/500		G1/500
BVH (80°-90°)	16.6	0.3			G1/100
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°	60°	65°	75°	85°
0°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
2.5°	1659.0	1660.8	1665.6	1672.8	1679.9	1683.4	1692.3	1689.7	1687.9	1684.3	1679.9
5°	1585.6	1589.1	1593.6	1607.4	1622.9	1635.4	1655.4	1657.6	1658.5	1660.3	1653.2
7.5°	1492.1	1493.0	1503.7	1521.9	1542.4	1563.8	1597.1	1606.5	1614.5	1623.4	1617.6
10°	1388.9	1391.2	1399.2	1425.4	1460.6	1492.1	1537.1	1552.6	1569.6	1589.1	1581.1
12.5°	1304.4	1304.8	1317.7	1345.8	1384.0	1426.7	1482.8	1501.5	1523.7	1554.4	1547.3
15°	1237.2	1237.2	1249.2	1273.3	1317.3	1367.6	1434.3	1458.3	1488.6	1530.0	1517.5
17.5°	1183.8	1184.3	1191.8	1217.2	1256.4	1312.0	1391.2	1423.6	1457.0	1511.7	1493.0
20°	1155.8	1153.6	1154.9	1170.5	1203.9	1257.7	1348.0	1385.8	1430.7	1499.3	1470.8
22.5°	1154.5	1150.5	1144.7	1146.0	1165.6	1210.1	1301.7	1347.6	1404.1	1489.0	1448.1
25°	1177.2	1172.7	1162.5	1150.9	1149.1	1175.8	1258.1	1310.2	1376.5	1484.6	1426.3
27.5°	1215.4	1212.3	1199.0	1181.6	1163.4	1162.5	1225.2	1279.5	1356.5	1489.0	1410.7
30°	1266.1	1260.8	1252.3	1230.1	1202.5	1174.1	1212.3	1263.0	1343.1	1503.3	1404.1
32.5°	1323.5	1320.4	1312.4	1290.2	1260.8	1215.4	1222.5	1266.6	1343.1	1528.2	1405.4
35°	1384.5	1384.0	1384.0	1369.4	1336.9	1280.4	1263.0	1296.8	1363.6	1568.2	1419.6
37.5°	1443.7	1443.2	1457.4	1462.8	1425.9	1364.9	1332.0	1357.3	1408.5	1627.4	1454.8
40°	1491.7	1493.5	1524.6	1551.3	1530.8	1474.3	1428.1	1441.0	1481.5	1711.5	1516.2
42.5°	1540.2	1545.1	1591.8	1639.0	1647.0	1598.0	1551.3	1558.9	1586.0	1822.7	1607.8
45°	1593.1	1595.4	1660.8	1726.6	1765.3	1736.4	1698.1	1708.4	1714.6	1960.2	1744.4
47.5°	1644.3	1650.1	1734.6	1824.9	1898.3	1895.7	1874.3	1871.2	1872.5	2127.4	1905.9
50°	1714.1	1722.6	1821.8	1930.8	2038.5	2087.8	2094.1	2070.5	2060.7	2313.4	2107.0
52.5°	1846.7	1846.7	1935.7	2042.9	2187.5	2309.8	2351.7	2313.0	2281.8	2510.0	2320.5
55°	2012.7	2019.8	2090.5	2177.3	2360.6	2543.4	2684.9	2642.2	2554.1	2724.0	2544.3
57.5°	2086.5	2095.4	2207.5	2342.3	2587.0	2809.0	3005.2	2990.1	2861.5	2946.5	2776.5
60°	1953.0	1971.7	2126.1	2352.1	2792.1	3237.4	3375.8	3331.7	3148.0	3180.0	3028.3
62.5°	1629.2	1649.6	1820.9	2136.3	2763.6	3700.5	3959.9	3797.5	3505.7	3475.0	3363.8
65°	972.1	971.2	1177.2	1595.4	2412.6	3829.1	4884.4	4581.4	4058.2	3879.8	3709.0
67.5°	617.9	616.6	659.8	845.3	1605.6	3514.1	5478.8	5557.5	4808.8	4177.5	3737.5
70°	487.6	487.1	518.3	602.8	794.1	2500.7	5313.3	5858.2	5262.1	4064.0	3290.8
72.5°	355.5	356.4	404.4	504.9	612.6	1255.5	4302.5	5012.5	4839.9	3587.5	2671.5
75°	255.4	256.7	285.6	386.6	565.0	686.5	2861.1	3769.1	3682.3	2875.7	1837.8
77.5°	162.4	164.2	189.5	270.9	456.5	554.3	1734.6	2660.9	2450.0	1620.3	653.5
80°	99.2	105.0	126.3	202.0	364.8	416.0	867.1	1401.8	1227.0	444.4	219.8
82.5°	51.2	55.6	76.1	125.0	251.4	365.3	490.7	589.0	379.9	186.0	117.0
85°	16.0	18.7	26.7	50.7	119.7	226.4	324.8	292.7	174.4	87.6	54.3
87.5°	4.0	4.0	4.4	4.4	4.9	10.2	62.7	66.3	46.3	27.6	22.2
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°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
2.5°	1671.0	1660.3	1655.9	1655.4	1644.3	1628.3	1617.6	1610.0	1605.6	1604.7	1604.7
5°	1641.2	1627.4	1609.1	1595.4	1565.5	1535.3	1509.9	1495.7	1479.2	1477.0	1476.6
7.5°	1601.6	1581.6	1546.9	1508.2	1456.1	1405.8	1363.1	1334.2	1305.3	1300.0	1298.2
10°	1558.9	1531.7	1472.6	1404.5	1326.6	1251.5	1186.1	1134.9	1101.1	1077.1	1072.6
12.5°	1516.6	1480.6	1393.8	1292.4	1185.6	1082.8	984.5	900.9	840.4	805.2	799.0
15°	1477.0	1426.7	1308.0	1178.5	1039.7	899.1	759.9	651.3	566.3	536.1	529.0
17.5°	1441.0	1378.3	1224.8	1060.6	887.5	703.8	545.4	448.9	399.1	383.9	380.4
20°	1404.9	1328.4	1140.2	936.5	726.1	520.1	398.6	353.2	334.6	328.8	327.0
22.5°	1366.2	1273.7	1048.1	814.1	562.8	389.3	326.1	306.1	300.3	300.7	300.3
25°	1327.5	1218.1	951.6	681.1	419.1	315.9	284.7	277.2	278.5	282.5	283.4
27.5°	1295.5	1168.7	856.8	535.2	327.4	271.8	257.1	256.7	261.6	266.9	267.8
30°	1272.4	1124.7	763.4	411.5	269.6	241.6	235.8	238.5	244.2	248.2	249.6
32.5°	1255.9	1086.9	663.8	323.4	236.2	220.2	217.5	220.2	223.8	227.8	228.7
35°	1250.1	1059.3	565.9	263.8	213.5	204.6	202.9	204.2	206.0	208.2	209.1
37.5°	1263.0	1045.5	463.6	229.6	199.8	194.4	191.7	190.9	191.3	192.2	192.6
40°	1301.3	1051.7	379.9	209.5	190.9	186.0	181.5	179.7	179.3	180.2	179.7
42.5°	1367.1	1078.0	319.4	198.0	183.7	176.6	171.7	169.9	169.9	172.2	172.2
45°	1463.7	1129.6	275.8	189.5	177.5	168.6	163.3	162.4	164.2	167.7	168.2
47.5°	1605.1	1205.2	249.6	183.3	171.7	161.5	156.2	155.7	159.3	165.1	165.5
50°	1772.9	1314.2	235.3	178.8	167.7	155.7	150.4	150.8	154.8	161.0	162.4
52.5°	1974.8	1462.8	236.2	177.1	165.5	152.2	146.8	145.9	149.9	156.2	157.5
55°	2183.5	1643.4	253.6	177.5	162.4	150.4	143.3	140.1	143.7	148.1	148.6
57.5°	2413.1	1847.2	296.7	176.6	158.4	148.6	140.1	133.0	135.2	137.9	139.2
60°	2672.0	2087.0	389.7	178.4	156.6	144.6	133.9	124.6	124.1	125.9	126.3
62.5°	3018.1	2413.1	494.3	181.5	160.6	139.7	124.6	114.8	113.0	113.9	114.3
65°	3282.8	2568.8	461.3	178.8	169.1	136.1	115.7	105.4	101.9	101.0	101.0
67.5°	3175.1	2362.8	321.2	171.7	173.1	136.6	108.6	95.7	91.2	89.0	88.5
70°	2701.8	1919.2	223.3	164.6	168.6	135.7	101.0	87.6	81.9	78.7	78.3
72.5°	2134.6	1465.4	180.6	150.4	153.0	122.3	89.9	78.7	73.9	69.8	69.8
75°	1373.8	894.2	150.8	133.9	125.0	95.2	77.9	70.3	65.4	61.4	61.4
77.5°	462.2	331.9	117.0	113.4	93.4	71.6	65.4	60.5	56.5	52.9	52.5
80°	187.7	157.5	85.9	85.9	65.4	54.7	51.2	48.9	46.3	41.8	41.8
82.5°	109.0	95.7	60.1	52.1	43.6	37.8	35.6	33.4	33.4	30.3	30.3
85°	52.5	52.9	36.0	32.0	24.9	21.8	20.9	19.6	19.1	17.4	16.9
87.5°	28.5	28.9	18.2	14.2	9.8	8.5	7.1	6.7	6.2	5.8	5.8
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)