

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: P630772

Luminaire Tested: GWS-SA1E-735-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-735-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

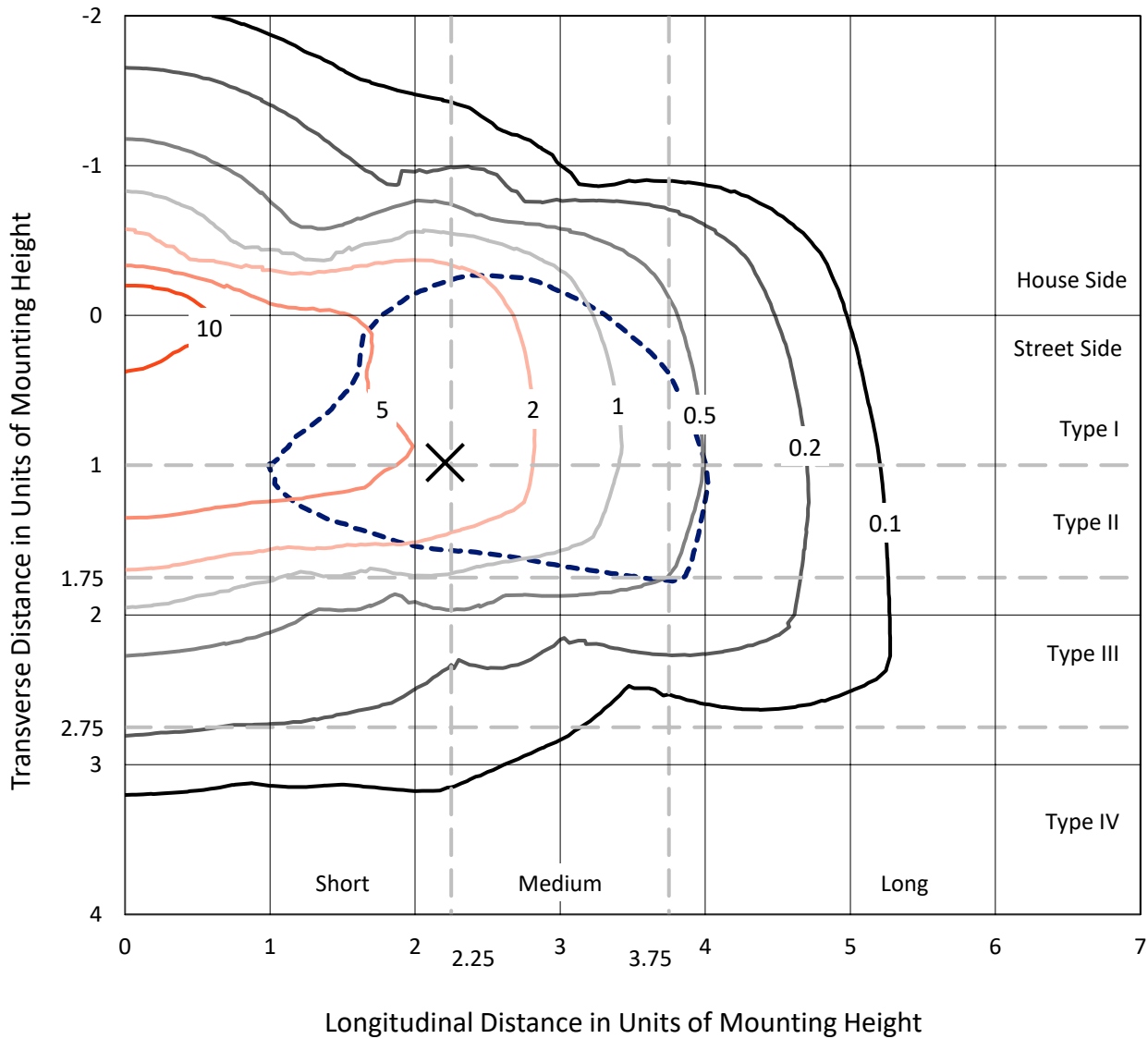
Lumens per Lamp: N/A  
Luminaire Lumens: 7344.3 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

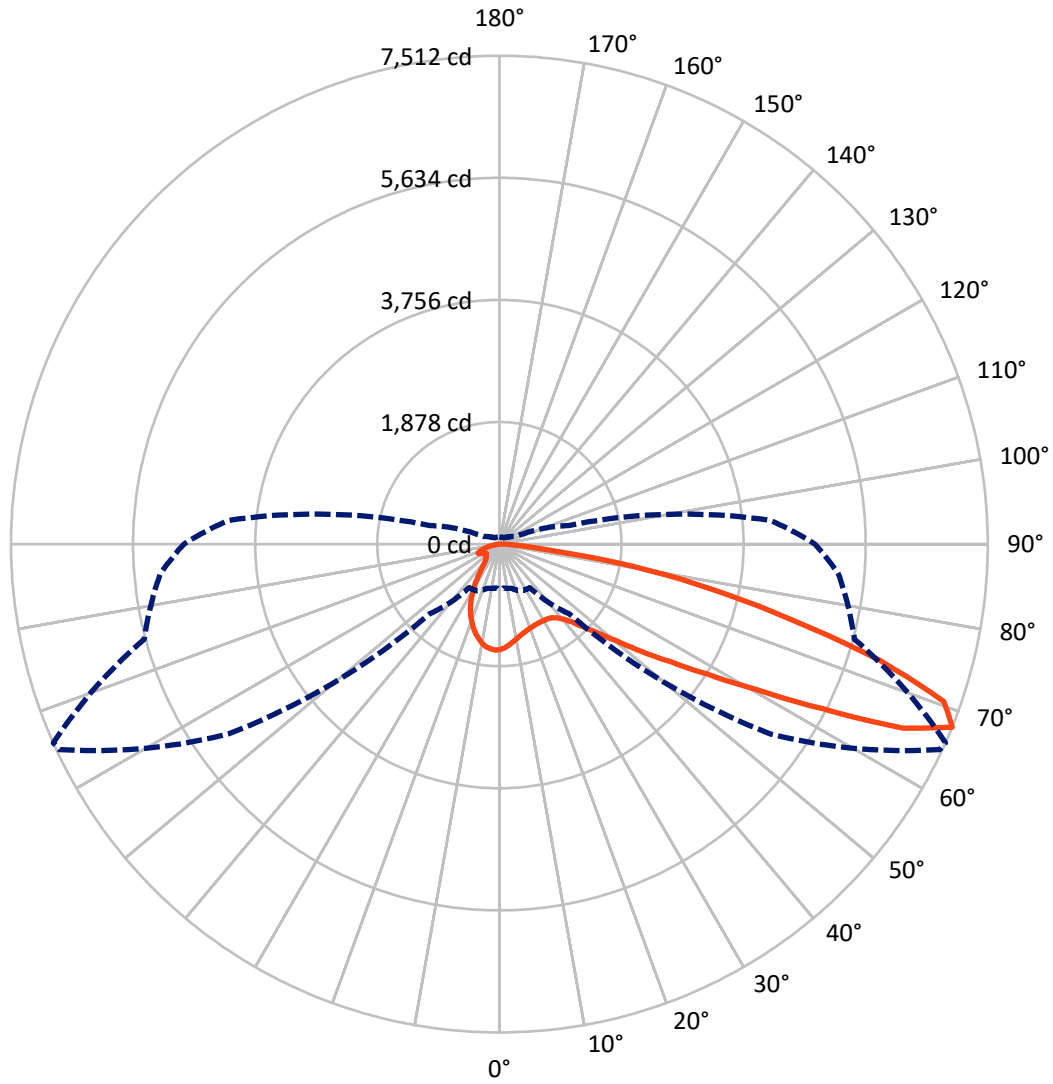
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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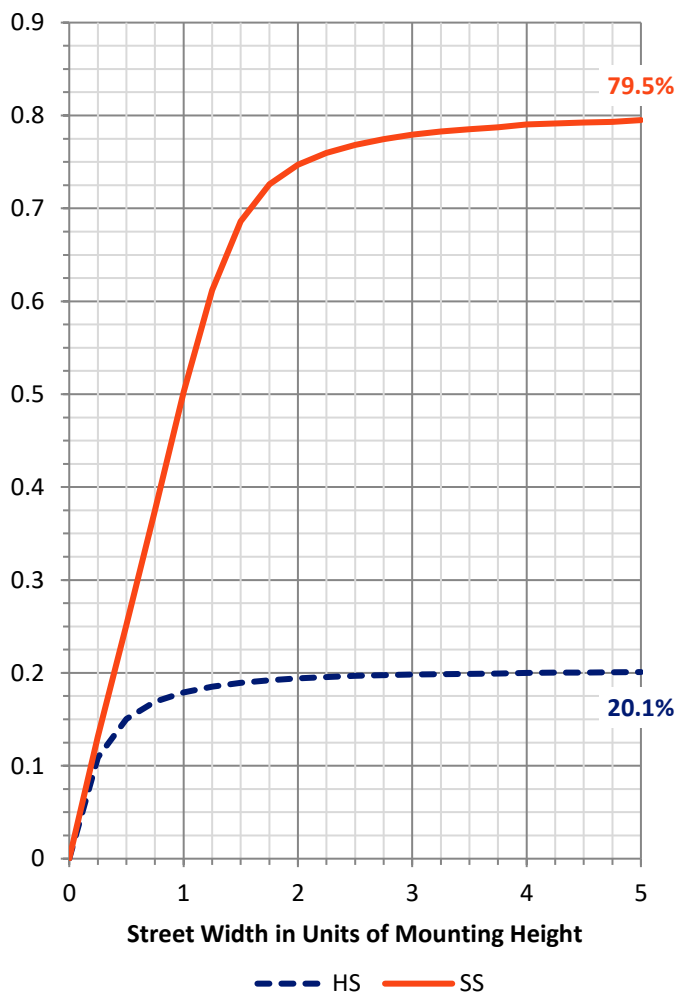
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1490.3	0.0	1490.3
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	5854.0	0.0	5854.0
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	7344.3	0.0	7344.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.4	1.9
10°-20°	350.0	4.8
20°-30°	481.1	6.6
30°-40°	657.8	9.0
40°-50°	996.7	13.6
50°-60°	1549.4	21.1
60°-70°	1886.4	25.7
70°-80°	1149.1	15.6
80°-90°	131.3	1.8
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°	7344.3	100.0
0°-180°	7344.3	100.0

**Coefficient of Utilization**



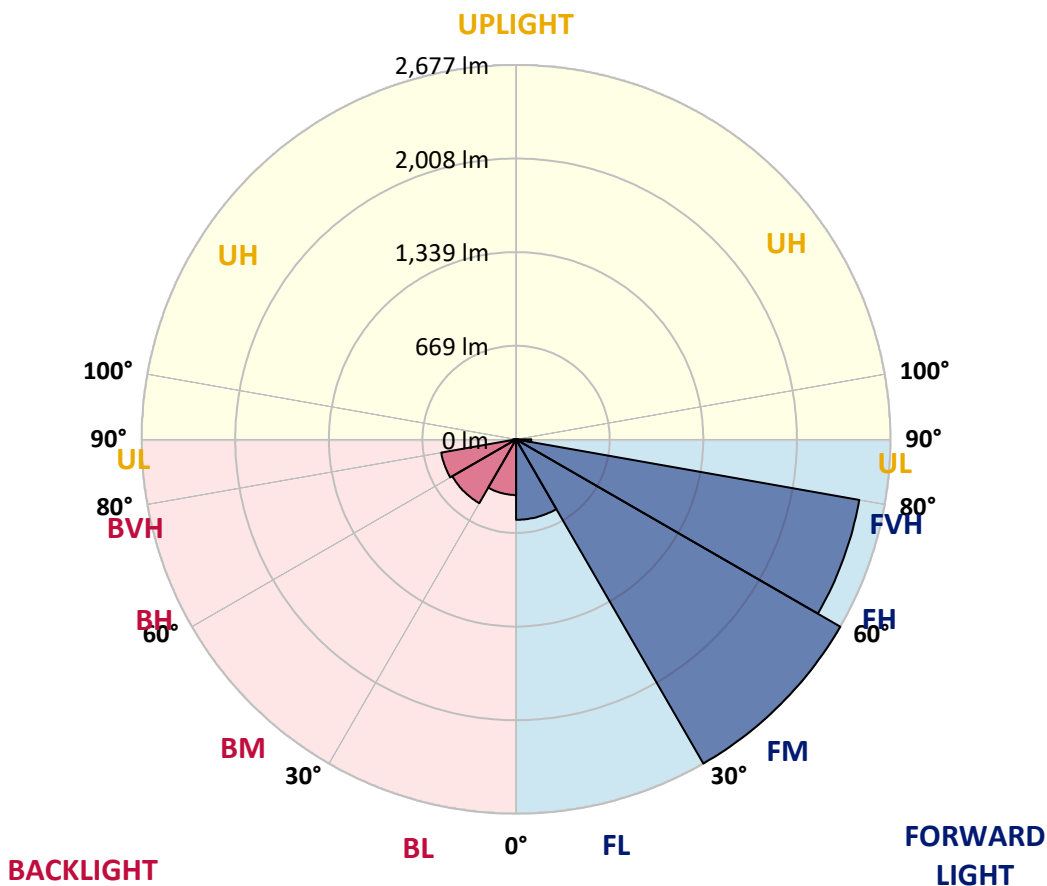
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.5	7.8			
FM (30°-60°)	2677.3	36.5			
FH (60°-80°)	2492.1	33.9			G2/5000
FVH (80°-90°)	109.1	1.5			G2/225
BL (0°-30°)	398.1	5.4	B1/500		
BM (30°-60°)	526.7	7.2	B1/1000		
BH (60°-80°)	543.4	7.4	B2/1000		G2/1000
BVH (80°-90°)	22.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9
2.5°	1520.0	1525.4	1522.2	1542.5	1543.6	1569.3	1583.8	1596.1	1597.2	1613.2	1624.0
5°	1416.1	1419.3	1419.3	1438.6	1451.4	1485.7	1518.9	1554.3	1557.0	1595.6	1625.0
7.5°	1332.0	1335.2	1333.0	1358.7	1375.4	1413.4	1455.7	1509.8	1515.2	1577.3	1628.8
10°	1266.1	1265.0	1270.3	1293.9	1315.3	1360.9	1408.0	1469.6	1477.7	1556.4	1633.1
12.5°	1221.0	1222.1	1225.3	1250.0	1273.0	1318.0	1366.8	1433.8	1442.3	1532.3	1630.9
15°	1199.6	1197.5	1200.2	1222.7	1244.6	1284.3	1334.6	1403.7	1412.3	1510.9	1631.5
17.5°	1194.8	1193.2	1192.6	1208.7	1225.3	1262.3	1310.5	1380.7	1389.8	1497.0	1634.7
20°	1209.8	1207.7	1201.8	1208.7	1215.7	1246.8	1293.4	1364.1	1374.3	1487.9	1641.1
22.5°	1251.0	1247.3	1238.2	1229.6	1220.5	1239.3	1282.7	1351.8	1362.0	1482.0	1647.5
25°	1313.7	1310.5	1300.9	1281.6	1248.4	1245.2	1280.5	1346.4	1356.6	1477.7	1650.2
27.5°	1400.0	1395.2	1385.5	1357.7	1303.6	1267.1	1288.6	1345.9	1355.5	1472.9	1647.5
30°	1502.3	1499.1	1493.8	1460.0	1387.7	1313.7	1306.8	1350.2	1357.7	1470.2	1642.2
32.5°	1606.3	1603.1	1607.3	1591.3	1502.3	1390.9	1346.4	1362.0	1367.3	1469.6	1637.3
35°	1697.9	1701.6	1732.7	1735.4	1648.1	1495.4	1409.1	1389.3	1390.4	1480.4	1639.5
37.5°	1793.8	1808.3	1849.0	1883.8	1810.9	1633.6	1502.3	1440.7	1439.6	1507.7	1652.9
40°	1920.8	1927.2	1979.2	2044.5	1999.0	1823.3	1634.7	1524.8	1517.3	1563.4	1688.8
42.5°	2044.5	2060.1	2143.1	2218.1	2203.1	2037.0	1801.3	1650.7	1637.3	1662.0	1762.7
45°	2202.1	2217.1	2310.3	2406.7	2434.1	2278.7	2014.5	1829.7	1816.3	1810.4	1898.3
47.5°	2359.6	2375.1	2458.7	2598.0	2693.9	2580.9	2292.1	2066.0	2044.0	2021.0	2102.9
50°	2465.7	2483.9	2563.7	2730.9	2955.9	2958.0	2621.0	2375.7	2347.8	2311.4	2391.2
52.5°	2461.9	2473.7	2549.8	2742.7	3144.5	3391.5	3061.5	2770.0	2747.5	2668.2	2737.8
55°	2268.5	2286.2	2362.8	2603.9	3164.9	3802.4	3708.7	3235.0	3194.9	3052.9	3129.5
57.5°	1880.1	1895.1	1972.2	2269.6	2984.3	4013.0	4530.6	3827.6	3772.4	3471.9	3560.3
60°	1419.3	1401.1	1437.5	1697.9	2552.5	4018.4	5256.0	4631.3	4539.1	3919.8	3993.7
62.5°	1065.1	1046.9	1055.0	1128.4	1730.6	3693.7	5669.6	5730.7	5578.6	4425.6	4411.1
65°	841.7	831.5	854.6	904.9	1008.9	2812.9	5672.9	6919.6	6823.7	5011.7	4839.2
67.5°	685.8	679.4	702.9	796.2	818.1	1511.4	5086.7	7474.7	7512.2	5653.6	5236.2
70°	552.4	542.7	579.7	702.4	760.8	914.6	3643.8	7191.8	7252.3	6036.1	5124.2
72.5°	381.5	382.0	400.8	569.0	734.6	789.7	2061.2	5988.4	6119.7	5689.5	4504.8
75°	257.2	259.3	264.7	375.6	676.7	766.2	1098.4	4533.8	4626.5	4702.6	3723.7
77.5°	155.4	156.4	168.8	227.2	466.7	715.3	744.2	3286.5	3359.3	3100.0	2308.1
80°	90.0	93.8	105.0	152.2	315.0	537.4	576.0	2015.1	2097.6	1378.0	733.5
82.5°	39.6	42.3	57.3	88.4	183.8	457.0	449.5	796.2	784.4	384.2	254.5
85°	7.0	8.6	12.3	27.9	67.5	241.1	348.8	351.5	330.6	145.7	105.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	52.5	94.3	93.8	41.3	36.4
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°	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9	1622.9
2.5°	1630.9	1616.5	1629.3	1630.9	1628.2	1626.1	1610.0	1596.1	1594.5	1579.5	1579.5
5°	1636.8	1623.4	1629.8	1617.5	1598.2	1578.4	1544.1	1520.5	1509.8	1490.5	1490.5
7.5°	1644.8	1630.9	1623.4	1592.9	1547.9	1504.5	1449.3	1403.2	1384.5	1357.1	1356.1
10°	1652.3	1634.7	1609.0	1549.5	1477.7	1408.6	1328.2	1262.8	1218.4	1185.7	1185.7
12.5°	1651.8	1628.8	1577.9	1490.0	1390.9	1290.7	1183.5	1085.0	1026.0	975.1	971.9
15°	1650.7	1619.1	1538.2	1420.9	1289.6	1150.9	1005.1	876.5	789.2	739.4	735.1
17.5°	1649.7	1606.8	1493.8	1342.1	1166.4	977.3	784.9	645.6	572.8	542.2	543.3
20°	1649.7	1592.9	1446.1	1251.6	1024.4	769.4	576.0	474.7	456.5	458.1	459.7
22.5°	1644.8	1575.7	1393.0	1153.0	866.4	565.8	424.9	390.6	400.2	415.2	417.4
25°	1633.6	1547.3	1331.4	1043.7	678.3	412.0	346.7	340.2	357.9	376.7	382.0
27.5°	1615.9	1514.7	1262.3	915.7	499.3	331.1	304.9	304.3	318.3	332.2	337.0
30°	1597.2	1478.2	1189.4	773.1	361.7	288.3	278.1	278.1	285.0	293.6	292.5
32.5°	1575.2	1441.3	1111.2	624.7	294.7	264.1	260.9	259.3	260.4	263.6	263.6
35°	1556.4	1408.6	1030.8	467.7	264.1	250.7	247.5	243.8	242.2	240.0	241.1
37.5°	1549.5	1382.9	947.8	352.5	249.1	241.1	235.7	230.4	226.6	225.6	225.0
40°	1560.7	1372.1	864.8	290.4	238.4	230.9	225.0	218.1	214.8	214.8	214.8
42.5°	1604.7	1380.2	780.1	262.5	230.9	222.3	213.8	207.3	206.3	207.3	207.9
45°	1685.0	1411.2	692.2	248.6	224.5	213.8	203.6	198.8	198.8	199.8	199.8
47.5°	1828.6	1492.7	605.4	240.0	218.1	206.8	196.1	191.3	190.7	191.8	191.8
50°	2077.2	1639.5	527.2	234.1	213.2	201.5	190.7	184.3	182.7	182.2	182.2
52.5°	2390.7	1894.0	477.4	229.9	207.3	195.6	184.8	176.3	173.1	171.5	171.5
55°	2769.5	2233.1	477.4	226.6	199.8	188.6	176.3	167.7	162.9	160.7	160.7
57.5°	3198.6	2628.0	559.9	224.0	194.0	180.6	167.2	158.6	153.2	150.0	150.0
60°	3635.3	3045.4	764.0	220.2	188.6	170.4	157.0	148.9	142.0	138.2	137.7
62.5°	4088.0	3505.1	1033.0	222.3	184.8	160.7	146.3	137.2	131.3	127.5	127.0
65°	4502.7	3942.8	1268.2	239.0	185.4	152.2	133.9	125.9	121.1	116.3	115.7
67.5°	4854.7	4184.5	1103.2	272.7	196.6	142.0	121.6	113.6	109.3	106.1	105.5
70°	4608.3	3815.8	625.8	293.6	212.2	131.3	107.7	102.3	98.0	95.9	95.4
72.5°	3940.7	3230.8	418.4	259.3	193.4	117.3	94.8	90.5	87.3	84.7	84.1
75°	3192.2	2562.1	319.9	212.7	150.6	95.4	81.4	78.2	75.0	72.3	71.8
77.5°	1888.6	1480.4	235.7	168.2	106.1	74.5	67.5	64.8	61.6	59.5	58.9
80°	602.8	514.4	149.5	115.7	70.2	57.3	52.0	49.8	46.6	43.9	43.4
82.5°	229.9	198.8	79.3	58.9	46.6	39.1	34.8	32.7	30.5	27.9	27.3
85°	101.8	95.4	43.9	31.6	25.2	19.3	17.1	16.1	13.4	11.3	10.7
87.5°	35.9	35.9	18.8	9.1	5.4	2.7	1.6	0.5	0.0	0.0	0.0
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)