

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: P630443

Luminaire Tested: GWS-SA1D-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

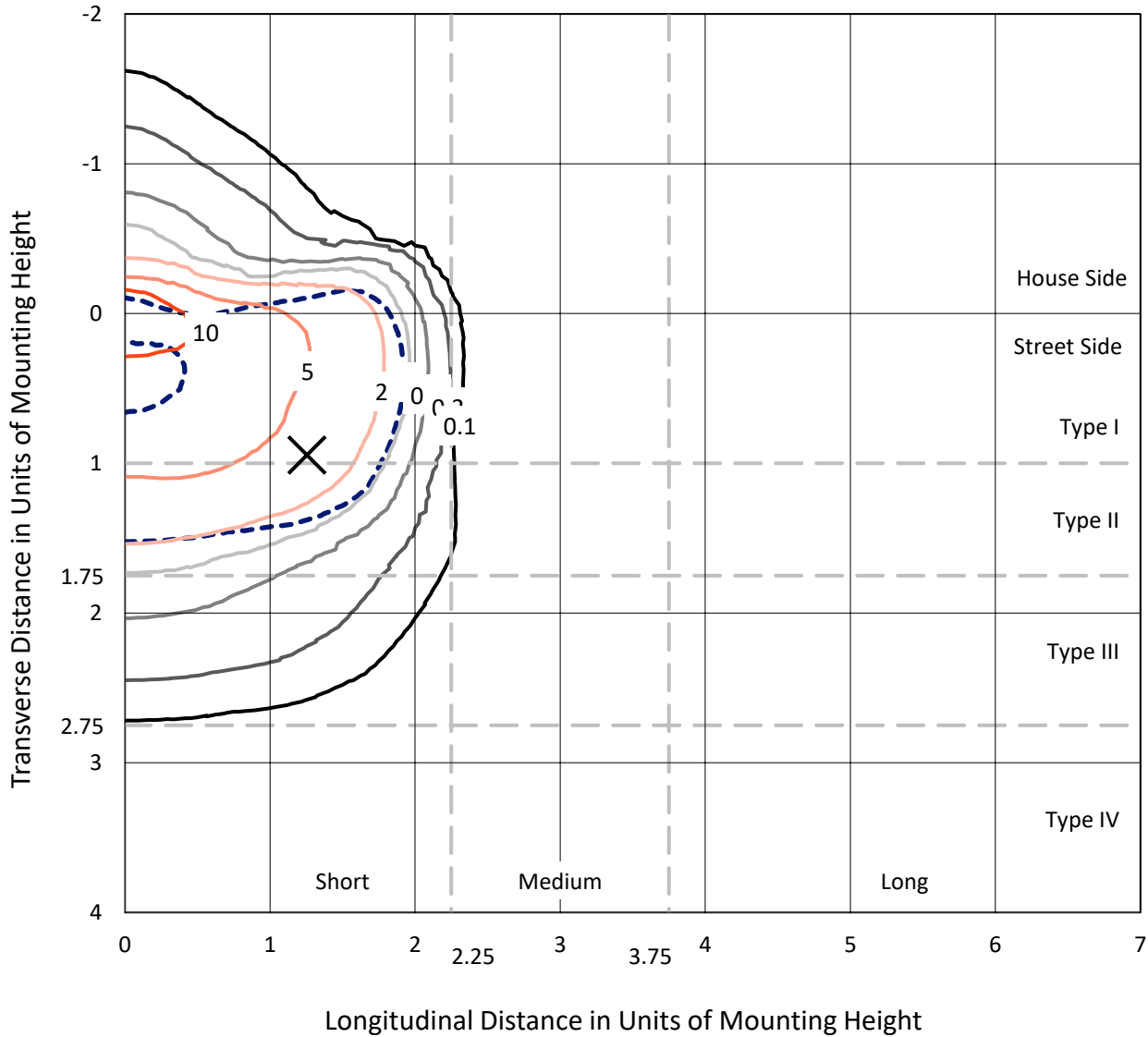
Lumens per Lamp: N/A  
Luminaire Lumens: 3578.2 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

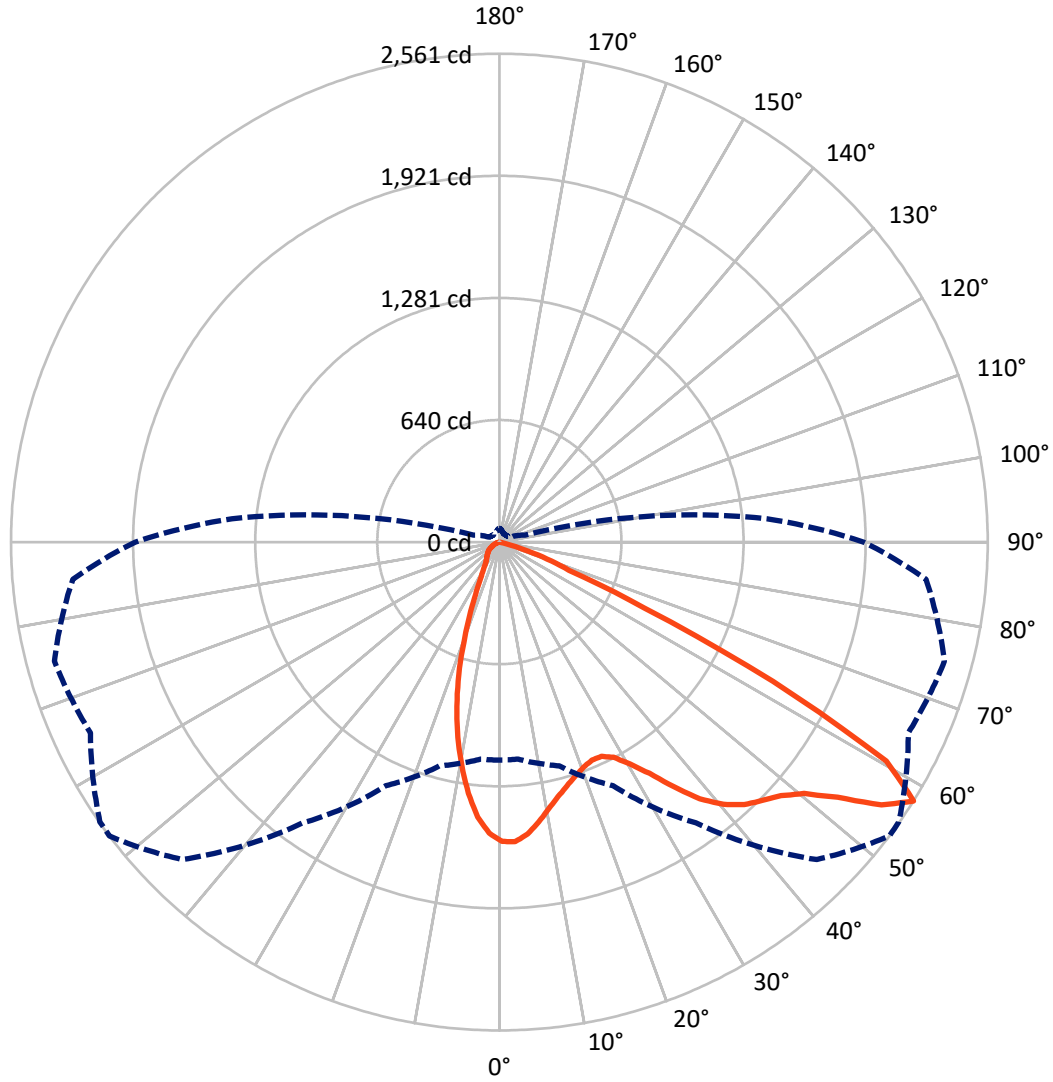
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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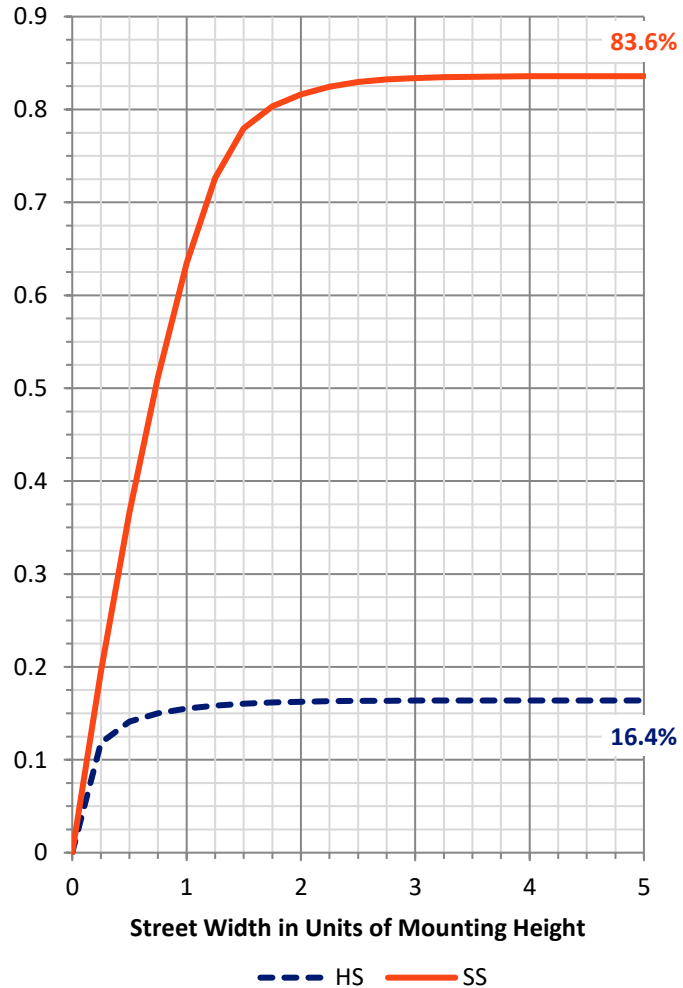
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	591.1	0.0	591.1
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2987.1	0.0	2987.1
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	3578.2	0.0	3578.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.3	3.8
10°-20°	294.8	8.2
20°-30°	384.1	10.7
30°-40°	557.1	15.6
40°-50°	803.9	22.5
50°-60°	972.2	27.2
60°-70°	396.2	11.1
70°-80°	35.6	1.0
80°-90°	0.0	0.0
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°	3578.2	100.0
0°-180°	3578.2	100.0

**Coefficient of Utilization**



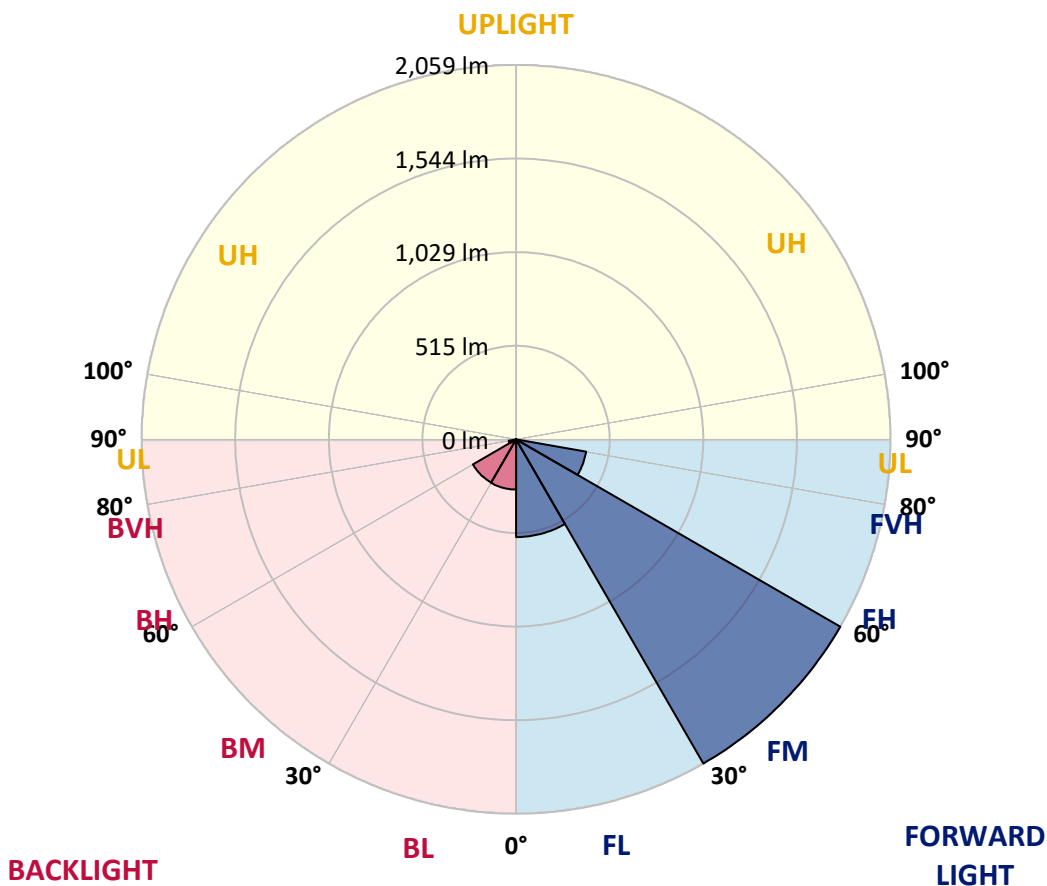
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	537.3	15.0			
FM (30°-60°)	2058.8	57.5			
FH (60°-80°)	391.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	275.9	7.7	B1/500		
BM (30°-60°)	274.3	7.7	B1/1000		
BH (60°-80°)	40.9	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6
2.5°	1547.7	1551.2	1557.3	1565.2	1570.5	1573.1	1573.1	1580.6	1575.7	1571.8	1567.4
5°	1481.5	1485.0	1493.3	1506.0	1518.7	1527.9	1538.5	1546.4	1549.4	1549.4	1542.0
7.5°	1388.0	1392.9	1398.1	1415.7	1443.3	1463.9	1481.9	1493.3	1510.0	1515.2	1504.7
10°	1287.6	1292.4	1304.3	1328.4	1360.0	1390.7	1421.4	1435.8	1464.3	1479.3	1467.4
12.5°	1202.5	1204.7	1220.5	1249.5	1289.8	1331.9	1369.2	1384.1	1424.4	1446.8	1432.8
15°	1132.4	1133.7	1149.5	1181.5	1228.0	1279.7	1326.6	1342.0	1391.5	1425.3	1404.3
17.5°	1079.3	1079.7	1093.3	1128.0	1176.7	1234.1	1289.8	1308.7	1372.7	1413.5	1381.9
20°	1052.5	1051.2	1060.9	1091.1	1137.2	1194.6	1260.4	1283.7	1362.2	1411.7	1364.8
22.5°	1053.0	1049.9	1053.9	1075.3	1114.4	1168.3	1242.0	1268.3	1363.0	1419.2	1350.3
25°	1078.0	1073.6	1074.5	1085.9	1113.5	1162.6	1244.6	1272.7	1380.6	1444.2	1345.1
27.5°	1120.1	1115.3	1115.3	1121.0	1135.9	1180.6	1277.5	1309.5	1427.5	1492.9	1356.0
30°	1174.5	1169.6	1167.9	1173.6	1185.9	1227.1	1350.8	1384.1	1507.8	1572.7	1391.1
32.5°	1236.7	1231.0	1234.1	1242.0	1253.8	1310.9	1445.1	1489.3	1608.2	1680.1	1454.3
35°	1302.5	1297.7	1311.7	1328.8	1347.3	1427.1	1575.3	1613.9	1731.4	1813.9	1550.7
37.5°	1365.2	1363.0	1392.4	1428.4	1466.5	1566.5	1707.7	1737.6	1837.1	1959.5	1668.7
40°	1427.9	1427.5	1477.9	1541.1	1602.1	1705.6	1808.2	1832.7	1901.6	2072.6	1781.9
42.5°	1498.1	1498.1	1567.8	1652.1	1733.2	1823.1	1881.9	1892.8	1930.5	2138.0	1866.9
45°	1565.2	1569.2	1649.9	1747.7	1843.7	1914.7	1932.7	1933.6	1942.4	2176.6	1937.6
47.5°	1618.3	1621.8	1718.3	1831.0	1934.5	1984.5	1987.1	1983.2	1973.5	2213.4	1991.9
50°	1661.3	1666.5	1767.4	1886.7	1996.8	2051.6	2071.8	2067.8	2043.2	2252.9	2030.1
52.5°	1682.3	1689.8	1784.5	1914.3	2066.1	2166.5	2222.6	2231.8	2147.6	2274.8	2066.5
55°	1513.9	1524.9	1612.1	1789.8	2104.6	2344.1	2432.2	2430.5	2260.8	2340.2	2155.1
57.5°	1143.3	1142.4	1214.8	1409.1	1797.7	2354.2	2561.2	2557.7	2366.5	2416.0	2245.9
60°	778.4	773.2	792.5	886.3	1256.9	1917.8	2330.9	2378.3	2291.5	2231.8	1906.9
62.5°	640.7	635.9	629.8	603.9	721.9	1194.6	1610.4	1682.3	1670.9	1551.2	1196.0
65°	524.5	528.5	545.6	534.6	502.2	612.7	835.9	878.4	803.0	675.8	417.9
67.5°	386.8	388.6	410.9	468.8	451.3	407.9	393.4	400.4	234.6	107.9	69.7
70°	228.5	229.8	250.4	328.0	366.2	313.1	265.8	261.8	93.0	28.9	31.6
72.5°	129.4	126.7	130.7	156.1	199.5	166.2	136.8	124.6	28.1	16.2	16.2
75°	61.4	59.6	51.3	48.2	43.9	28.1	17.5	14.9	7.0	6.6	6.6
77.5°	0.4	1.3	0.9	1.3	1.3	0.9	0.4	0.4	1.3	1.3	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6	1569.6
2.5°	1559.5	1546.4	1543.3	1542.4	1530.1	1517.0	1503.4	1498.1	1490.2	1485.4	1489.3
5°	1530.1	1511.3	1494.6	1479.3	1452.1	1422.2	1396.4	1379.7	1363.9	1353.4	1356.0
7.5°	1488.5	1463.9	1425.8	1386.7	1336.7	1292.0	1242.0	1211.3	1182.8	1167.0	1174.5
10°	1444.2	1411.7	1350.8	1284.5	1206.0	1135.9	1064.4	1006.1	972.3	940.3	943.8
12.5°	1400.8	1357.8	1266.6	1166.1	1067.0	963.5	855.6	774.9	719.7	679.8	673.6
15°	1360.4	1305.2	1184.5	1052.1	917.0	779.3	641.6	526.3	462.2	422.8	420.1
17.5°	1324.4	1256.0	1099.5	932.8	763.5	587.2	428.9	342.5	305.7	288.6	286.8
20°	1289.8	1206.5	1012.6	811.8	596.0	412.2	296.0	256.1	244.3	237.3	238.1
22.5°	1256.5	1152.5	921.4	677.6	446.9	289.4	229.4	214.0	212.7	213.6	214.0
25°	1228.4	1103.0	827.6	548.2	318.8	220.6	191.7	187.3	191.2	196.9	197.8
27.5°	1213.9	1062.6	735.9	417.9	230.7	179.4	166.2	168.0	175.0	181.1	182.0
30°	1217.9	1032.4	641.2	303.0	177.6	151.3	146.9	150.4	157.4	163.1	164.0
32.5°	1245.9	1017.0	544.3	220.6	146.0	132.0	130.3	132.9	139.0	143.4	143.8
35°	1301.6	1020.5	452.2	168.8	125.4	117.5	117.1	118.8	121.9	125.0	125.4
37.5°	1383.7	1049.0	361.4	140.3	113.6	107.9	106.1	106.1	108.3	109.6	110.5
40°	1471.8	1092.0	289.4	124.1	105.3	99.1	95.6	94.3	96.0	97.8	98.2
42.5°	1544.6	1135.0	235.1	112.7	98.7	90.3	86.0	85.1	87.3	90.3	91.2
45°	1600.3	1168.3	196.0	103.5	91.2	82.0	77.2	77.2	81.1	86.4	87.3
47.5°	1651.2	1195.1	167.1	95.2	84.2	74.6	69.7	70.6	77.2	84.2	85.5
50°	1685.8	1216.6	145.6	87.7	78.5	68.4	64.0	65.8	73.7	82.0	83.3
52.5°	1723.1	1242.9	131.6	81.1	73.2	63.6	59.6	61.0	69.7	78.9	80.7
55°	1826.2	1331.0	131.1	72.4	64.0	57.0	55.3	55.7	64.5	75.0	77.2
57.5°	1910.4	1408.7	139.9	61.0	53.5	50.0	49.1	49.6	57.5	69.3	71.9
60°	1580.6	1094.6	115.8	50.4	44.7	43.9	42.5	43.4	50.9	61.4	63.6
62.5°	935.4	625.8	55.3	38.6	38.2	37.3	36.0	37.7	44.7	53.9	55.3
65°	319.7	185.5	35.1	31.6	32.5	31.1	29.8	31.6	37.7	43.0	43.4
67.5°	61.4	49.1	28.1	26.3	26.8	24.1	23.7	25.4	28.9	29.8	29.4
70°	32.0	28.5	21.5	21.5	20.6	17.1	17.1	18.9	18.9	17.5	17.1
72.5°	16.7	15.8	14.0	15.8	13.2	10.5	10.5	11.4	10.5	8.8	8.8
75°	6.6	6.6	6.1	7.9	5.7	4.8	4.4	5.3	3.9	3.1	3.1
77.5°	1.8	1.8	1.8	2.2	1.3	1.3	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)