

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: P631766

Luminaire Tested: GWS-SA2B-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631766
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-SA2B-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6669.3 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

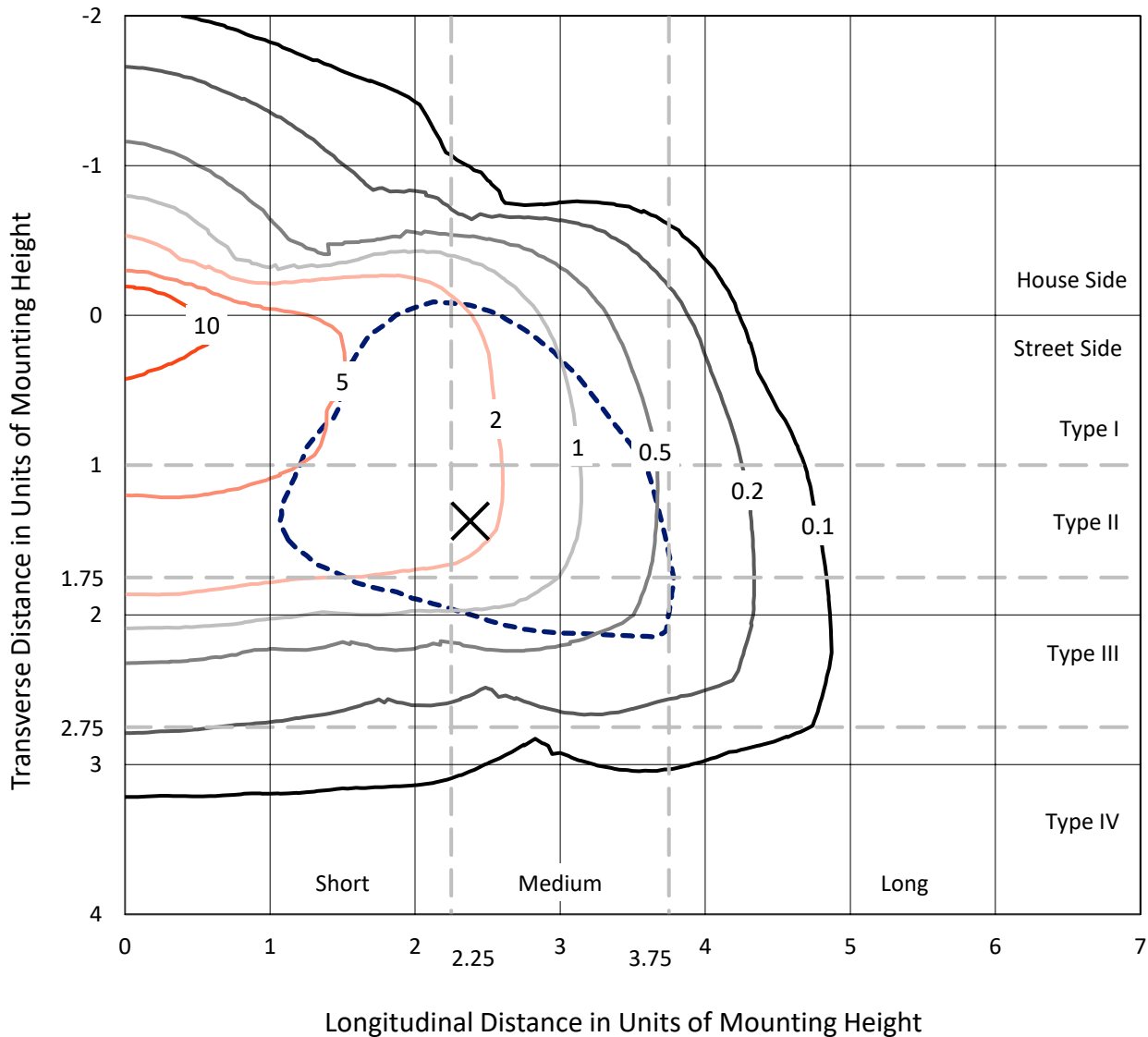
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631766
 CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

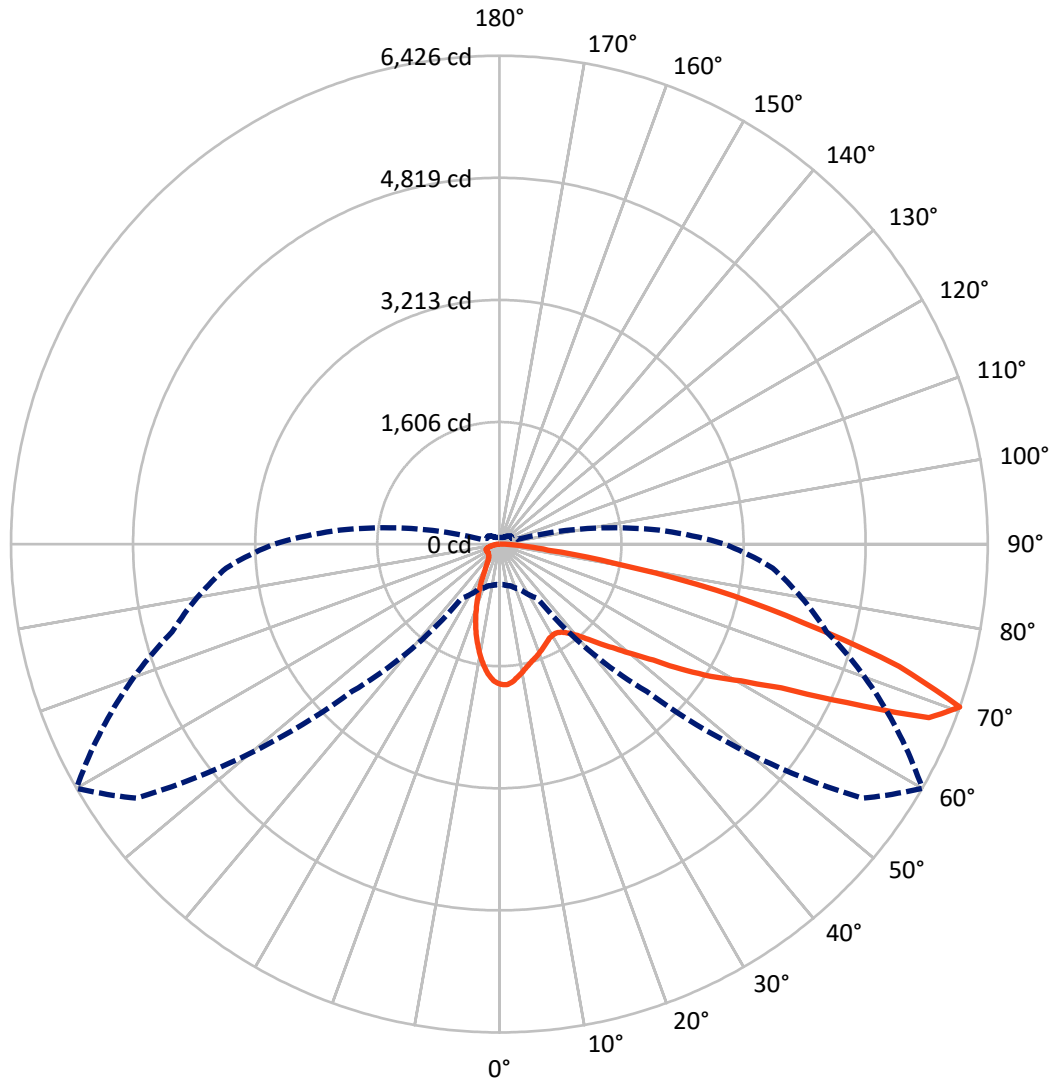
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P631766
CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631766

CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

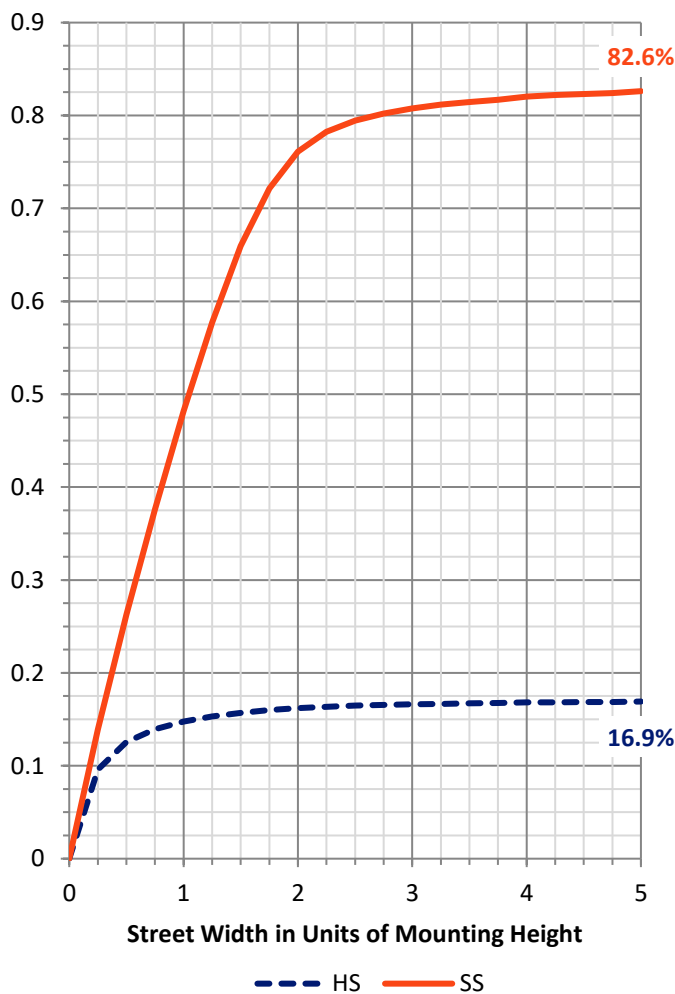
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1140.6	0.0	1140.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	5528.7	0.0	5528.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	6669.3	0.0	6669.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	2.4
10°-20°	356.4	5.3
20°-30°	456.4	6.8
30°-40°	599.8	9.0
40°-50°	870.2	13.0
50°-60°	1357.8	20.4
60°-70°	1777.6	26.7
70°-80°	983.0	14.7
80°-90°	109.1	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°	6669.3	100.0
0°-180°	6669.3	100.0

Coefficient of Utilization



REPORT NUMBER: P631766

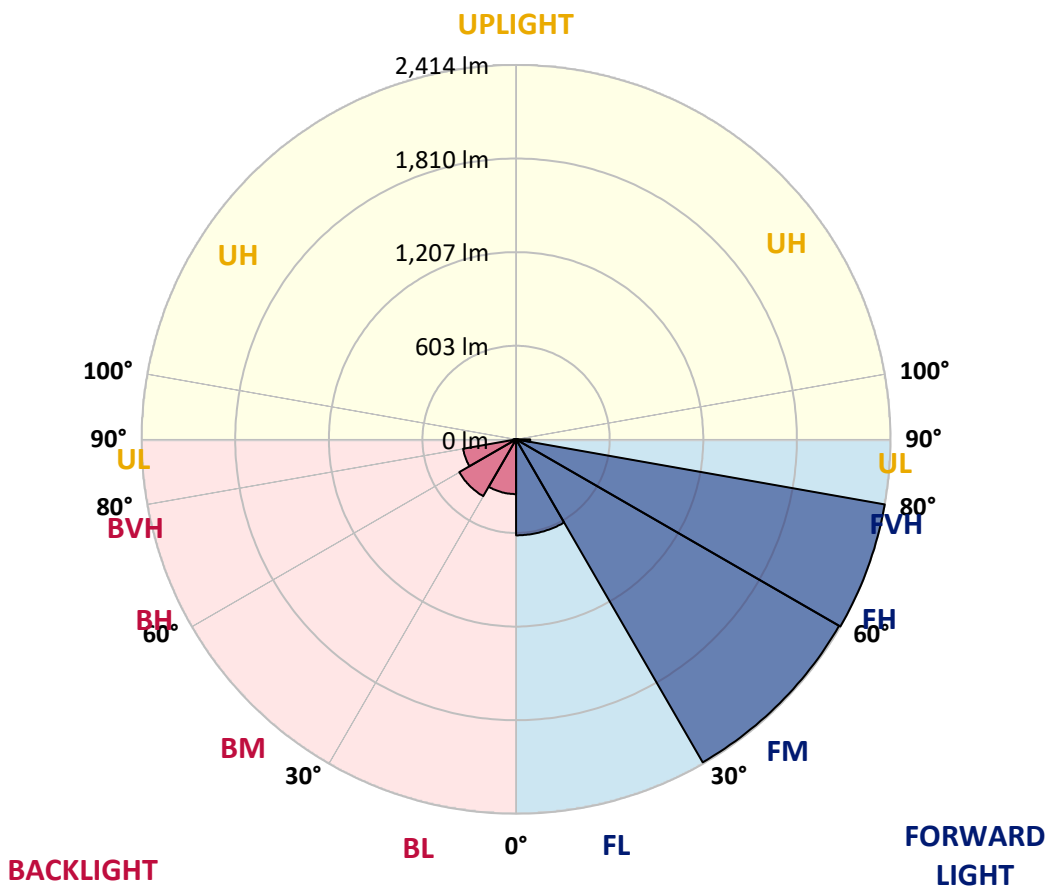
CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.0	9.3			
FM (30°-60°)	2404.9	36.1			
FH (60°-80°)	2413.9	36.2			G2/5000
FVH (80°-90°)	90.9	1.4			G1/100
BL (0°-30°)	352.9	5.3	B1/500		
BM (30°-60°)	422.9	6.3	B1/1000		
BH (60°-80°)	346.6	5.2	B1/500		G1/500
BVH (80°-90°)	18.2	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





REPORT NUMBER: P631766
 CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5
2.5°	1819.6	1821.6	1826.9	1834.7	1842.6	1846.5	1856.2	1853.3	1851.3	1847.4	1842.6
5°	1739.1	1743.0	1747.9	1763.0	1780.1	1793.8	1815.7	1818.2	1819.1	1821.1	1813.3
7.5°	1636.6	1637.6	1649.3	1669.3	1691.8	1715.2	1751.8	1762.0	1770.8	1780.6	1774.2
10°	1523.4	1525.9	1534.6	1563.4	1602.0	1636.6	1685.9	1703.0	1721.5	1743.0	1734.2
12.5°	1430.7	1431.2	1445.4	1476.1	1518.1	1564.9	1626.4	1646.9	1671.3	1704.9	1697.1
15°	1357.0	1357.0	1370.2	1396.6	1444.9	1500.0	1573.2	1599.5	1632.7	1678.1	1664.4
17.5°	1298.5	1299.0	1307.3	1335.1	1378.0	1439.0	1525.9	1561.5	1598.1	1658.1	1637.6
20°	1267.7	1265.3	1266.8	1283.8	1320.4	1379.5	1478.5	1520.0	1569.3	1644.4	1613.2
22.5°	1266.3	1261.9	1255.5	1257.0	1278.5	1327.3	1427.8	1478.0	1540.0	1633.2	1588.3
25°	1291.2	1286.3	1275.1	1262.4	1260.4	1289.7	1380.0	1437.1	1509.8	1628.3	1564.4
27.5°	1333.1	1329.7	1315.1	1296.0	1276.0	1275.1	1343.9	1403.4	1487.8	1633.2	1547.3
30°	1388.7	1382.9	1373.6	1349.2	1319.0	1287.7	1329.7	1385.3	1473.2	1648.8	1540.0
32.5°	1451.7	1448.3	1439.5	1415.1	1382.9	1333.1	1340.9	1389.2	1473.2	1676.2	1541.5
35°	1518.5	1518.1	1518.1	1502.0	1466.3	1404.4	1385.3	1422.4	1495.6	1720.1	1557.1
37.5°	1583.4	1583.0	1598.6	1604.4	1563.9	1497.1	1461.0	1488.8	1544.9	1785.0	1595.6
40°	1636.1	1638.1	1672.3	1701.5	1679.1	1617.1	1566.4	1580.5	1624.9	1877.2	1663.0
42.5°	1689.3	1694.7	1745.9	1797.7	1806.4	1752.8	1701.5	1709.8	1739.6	1999.2	1763.5
45°	1747.4	1749.8	1821.6	1893.8	1936.2	1904.5	1862.6	1873.8	1880.6	2150.0	1913.3
47.5°	1803.5	1809.9	1902.6	2001.6	2082.1	2079.2	2055.8	2052.4	2053.8	2333.4	2090.4
50°	1880.1	1889.4	1998.2	2117.8	2235.9	2290.0	2296.8	2271.0	2260.3	2537.4	2311.0
52.5°	2025.5	2025.5	2123.1	2240.7	2399.3	2533.5	2579.4	2536.9	2502.8	2753.1	2545.2
55°	2207.6	2215.4	2292.9	2388.1	2589.1	2789.7	2944.9	2898.0	2801.4	2987.8	2790.7
57.5°	2288.6	2298.3	2421.3	2569.1	2837.5	3081.0	3296.2	3279.6	3138.6	3231.8	3045.4
60°	2142.2	2162.7	2332.0	2579.9	3062.5	3550.9	3702.7	3654.4	3452.8	3488.0	3321.6
62.5°	1786.9	1809.4	1997.2	2343.2	3031.2	4058.9	4343.4	4165.3	3845.2	3811.5	3689.5
65°	1066.2	1065.2	1291.2	1749.8	2646.2	4199.9	5357.4	5025.1	4451.2	4255.5	4068.2
67.5°	677.8	676.3	723.7	927.1	1761.1	3854.4	6009.3	6095.7	5274.4	4582.0	4099.4
70°	534.8	534.3	568.5	661.2	871.0	2742.8	5827.8	6425.5	5771.6	4457.6	3609.5
72.5°	389.9	390.9	443.6	553.8	671.9	1377.0	4719.1	5497.9	5308.6	3934.9	2930.2
75°	280.1	281.6	313.3	424.0	619.7	752.9	3138.1	4134.0	4038.9	3154.2	2015.8
77.5°	178.1	180.1	207.9	297.2	500.7	608.0	1902.6	2918.5	2687.2	1777.2	716.8
80°	108.8	115.2	138.6	221.5	400.1	456.2	951.0	1537.6	1345.8	487.5	241.1
82.5°	56.1	61.0	83.4	137.1	275.7	400.6	538.2	646.1	416.7	204.0	128.3
85°	17.6	20.5	29.3	55.6	131.3	248.4	356.2	321.1	191.3	96.1	59.5
87.5°	4.4	4.4	4.9	4.9	5.4	11.2	68.8	72.7	50.7	30.3	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631766
 CATALOG NUMBER: GWS-SA2B-735-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5
2.5°	1832.8	1821.1	1816.2	1815.7	1803.5	1785.9	1774.2	1765.9	1761.1	1760.1	1760.1
5°	1800.1	1785.0	1765.0	1749.8	1717.1	1684.0	1656.2	1640.5	1622.5	1620.0	1619.6
7.5°	1756.7	1734.7	1696.7	1654.2	1597.1	1542.0	1495.1	1463.4	1431.7	1425.8	1423.9
10°	1709.8	1680.1	1615.2	1540.5	1455.1	1372.6	1300.9	1244.8	1207.7	1181.4	1176.5
12.5°	1663.5	1623.9	1528.8	1417.5	1300.4	1187.7	1079.9	988.1	921.8	883.2	876.4
15°	1620.0	1564.9	1434.6	1292.6	1140.4	986.2	833.4	714.4	621.2	588.0	580.2
17.5°	1580.5	1511.7	1343.4	1163.3	973.5	772.0	598.2	492.4	437.7	421.1	417.2
20°	1541.0	1457.1	1250.7	1027.2	796.4	570.4	437.2	387.4	366.9	360.6	358.7
22.5°	1498.5	1397.0	1149.6	893.0	617.3	427.0	357.7	335.7	329.4	329.9	329.4
25°	1456.1	1336.0	1043.8	747.1	459.7	346.5	312.3	304.0	305.5	309.9	310.8
27.5°	1421.0	1281.9	939.8	587.0	359.1	298.1	282.0	281.6	286.9	292.8	293.8
30°	1395.6	1233.6	837.3	451.4	295.7	265.0	258.6	261.5	267.9	272.3	273.7
32.5°	1377.5	1192.1	728.0	354.8	259.1	241.5	238.6	241.5	245.4	249.8	250.8
35°	1371.2	1161.8	620.7	289.4	234.2	224.5	222.5	224.0	225.9	228.4	229.3
37.5°	1385.3	1146.7	508.5	251.8	219.1	213.2	210.3	209.3	209.8	210.8	211.3
40°	1427.3	1153.5	416.7	229.8	209.3	204.0	199.1	197.1	196.6	197.6	197.1
42.5°	1499.5	1182.3	350.4	217.1	201.5	193.7	188.4	186.4	186.4	188.8	188.8
45°	1605.4	1238.9	302.5	207.9	194.7	184.9	179.1	178.1	180.1	184.0	184.5
47.5°	1760.6	1321.9	273.7	201.0	188.4	177.1	171.3	170.8	174.7	181.0	181.5
50°	1944.5	1441.4	258.1	196.2	184.0	170.8	164.9	165.4	169.8	176.6	178.1
52.5°	2166.1	1604.4	259.1	194.2	181.5	166.9	161.0	160.1	164.4	171.3	172.7
55°	2394.9	1802.5	278.1	194.7	178.1	164.9	157.1	153.7	157.6	162.5	163.0
57.5°	2646.7	2026.0	325.5	193.7	173.7	163.0	153.7	145.9	148.3	151.3	152.7
60°	2930.7	2289.0	427.5	195.7	171.8	158.6	146.9	136.6	136.1	138.1	138.6
62.5°	3310.4	2646.7	542.1	199.1	176.2	153.2	136.6	125.9	123.9	124.9	125.4
65°	3600.7	2817.5	506.0	196.2	185.4	149.3	126.9	115.6	111.7	110.8	110.8
67.5°	3482.6	2591.6	352.3	188.4	189.8	149.8	119.1	104.9	100.0	97.6	97.1
70°	2963.4	2105.1	245.0	180.5	184.9	148.8	110.8	96.1	89.8	86.4	85.9
72.5°	2341.3	1607.4	198.1	164.9	167.9	134.2	98.6	86.4	81.0	76.6	76.6
75°	1506.8	980.8	165.4	146.9	137.1	104.4	85.4	77.1	71.7	67.3	67.3
77.5°	507.0	364.0	128.3	124.4	102.5	78.6	71.7	66.4	62.0	58.1	57.6
80°	205.9	172.7	94.2	94.2	71.7	60.0	56.1	53.7	50.7	45.9	45.9
82.5°	119.6	104.9	65.9	57.1	47.8	41.5	39.0	36.6	36.6	33.2	33.2
85°	57.6	58.1	39.5	35.1	27.3	23.9	22.9	21.5	21.0	19.0	18.5
87.5°	31.2	31.7	20.0	15.6	10.7	9.3	7.8	7.3	6.8	6.3	6.3
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)