

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: P630941

Luminaire Tested: GWS-SA1E-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630941
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-SA1E-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7490.7 lumens
Efficiency: N/A
Efficacy: 128.3 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

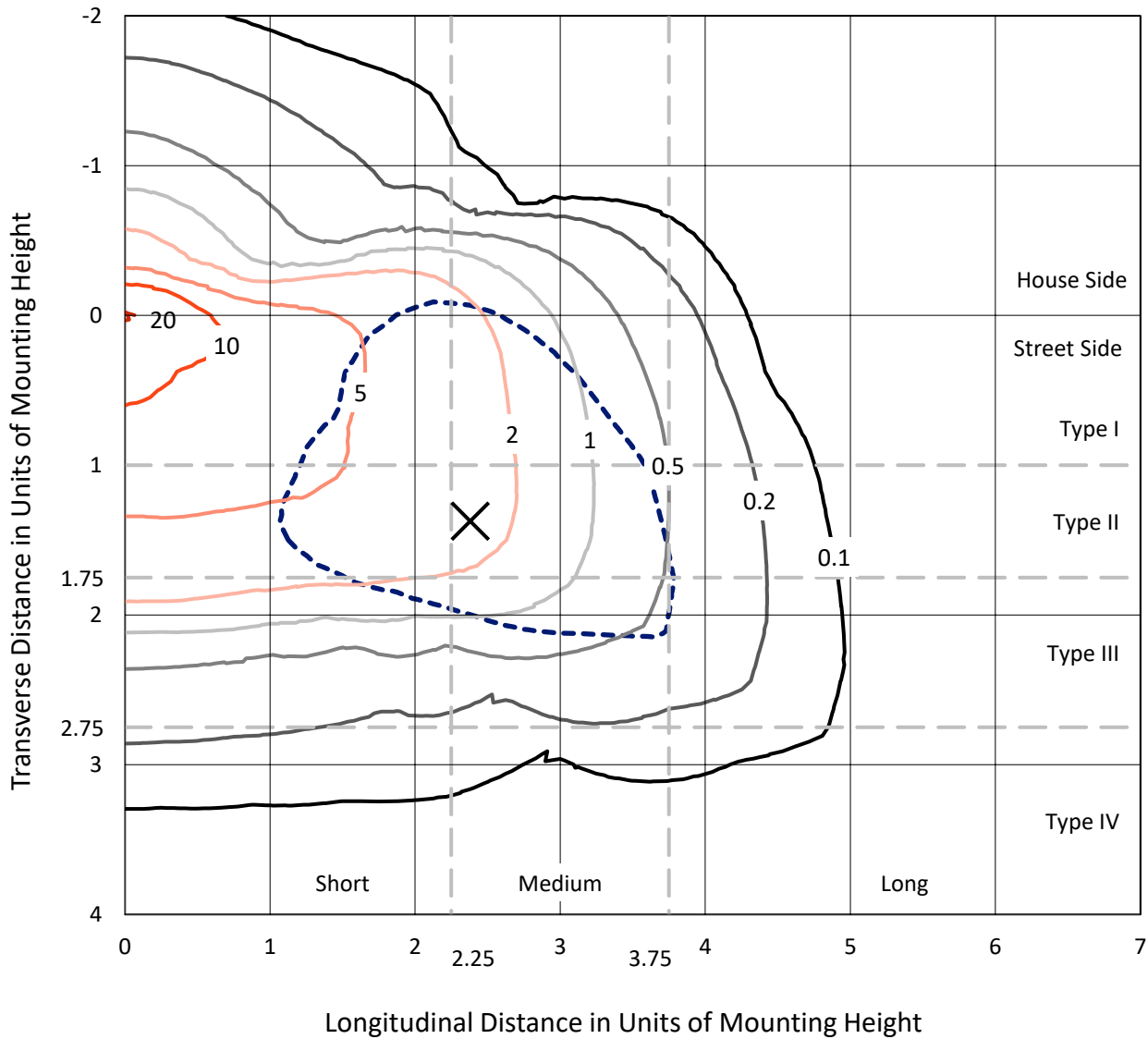
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630941
 CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

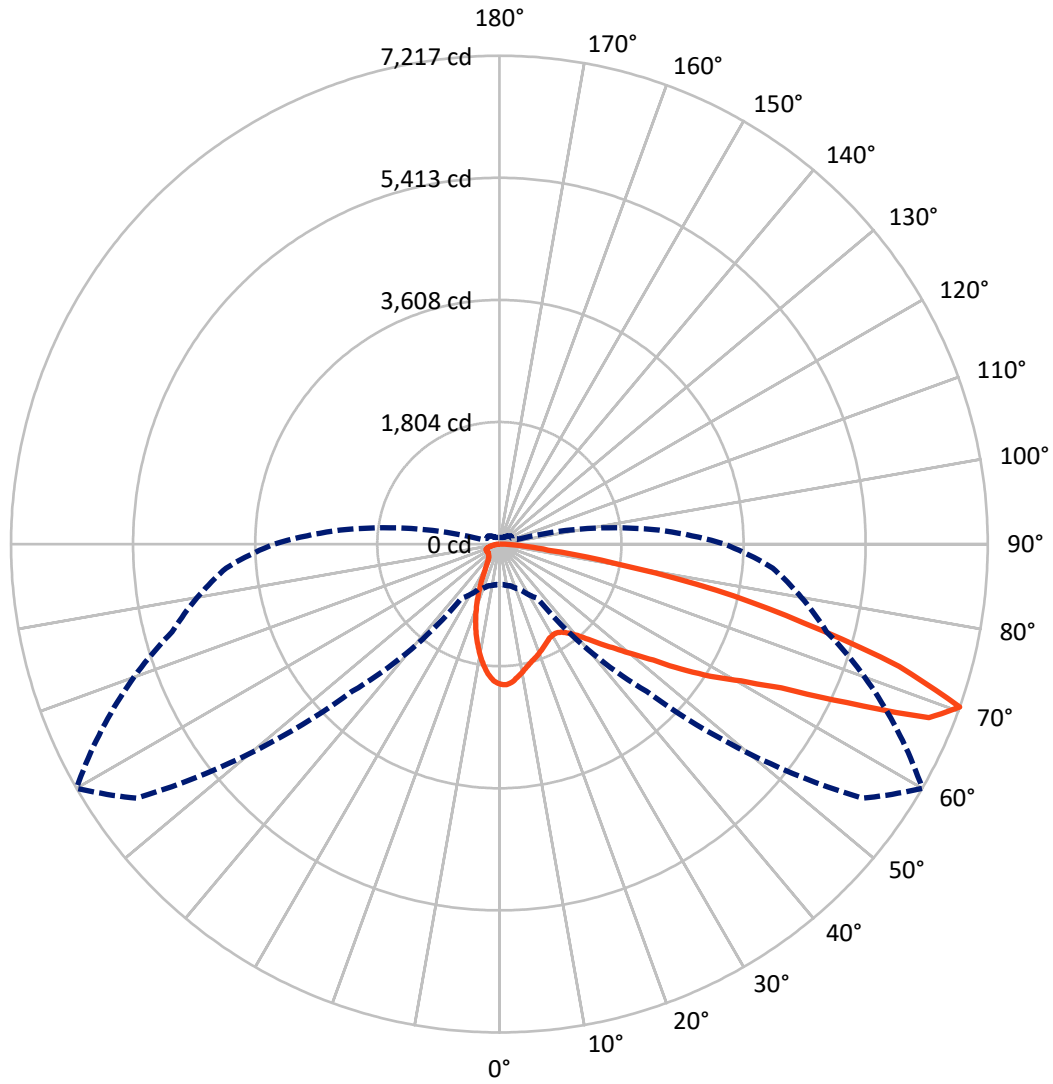
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P630941
CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630941

CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

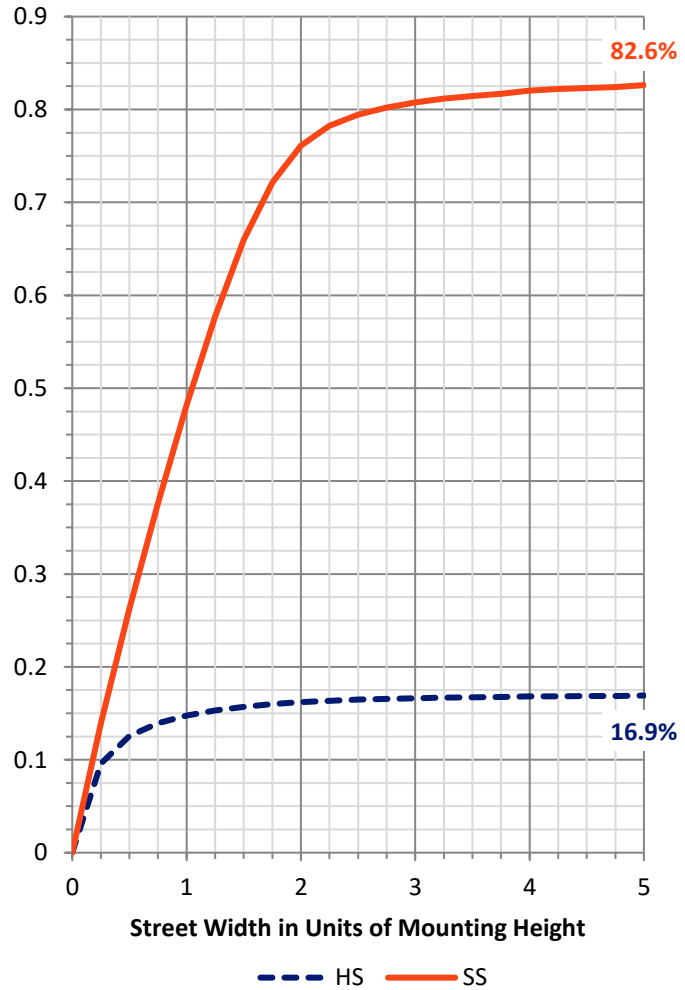
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1281.1	0.0	1281.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	6209.6	0.0	6209.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	7490.7	0.0	7490.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	2.4
10°-20°	400.3	5.3
20°-30°	512.6	6.8
30°-40°	673.7	9.0
40°-50°	977.4	13.0
50°-60°	1525.0	20.4
60°-70°	1996.5	26.7
70°-80°	1104.0	14.7
80°-90°	122.5	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°	7490.7	100.0
0°-180°	7490.7	100.0

Coefficient of Utilization



REPORT NUMBER: P630941

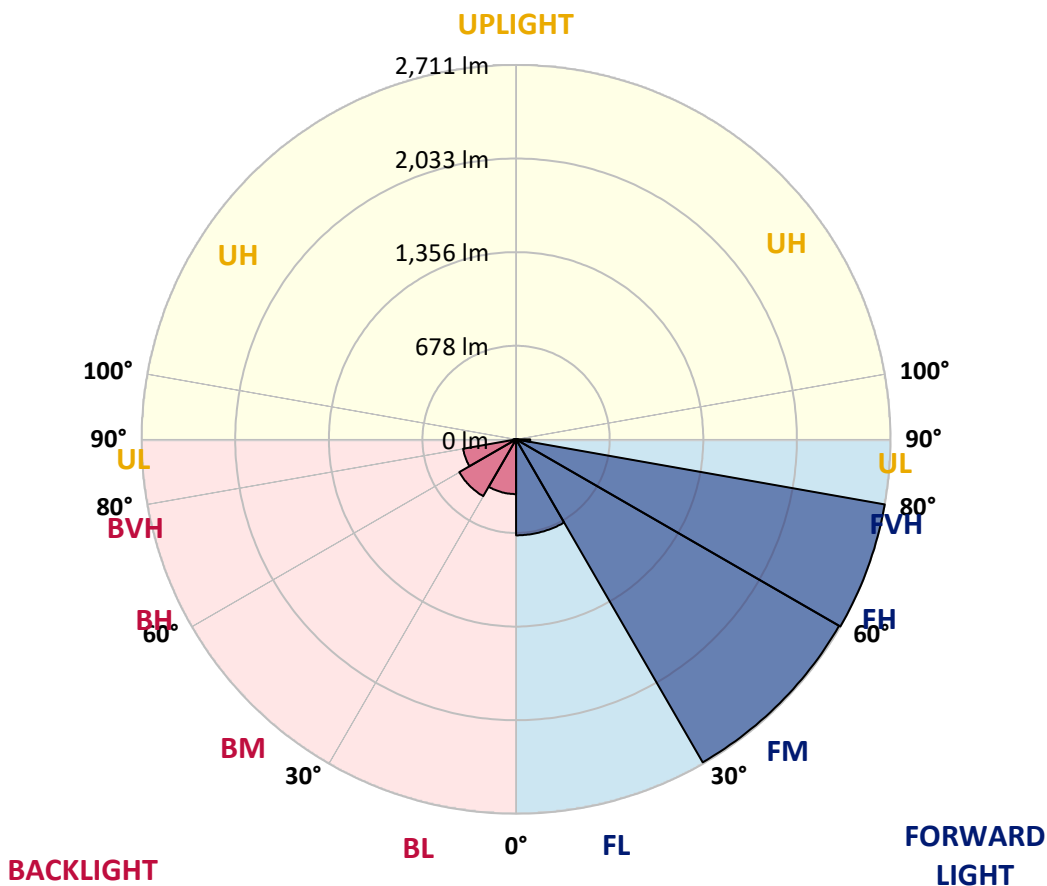
CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.2	9.3			
FM (30°-60°)	2701.1	36.1			
FH (60°-80°)	2711.2	36.2			G2/5000
FVH (80°-90°)	102.1	1.4			G2/225
BL (0°-30°)	396.4	5.3	B1/500		
BM (30°-60°)	475.0	6.3	B1/1000		
BH (60°-80°)	389.3	5.2	B1/500		G1/500
BVH (80°-90°)	20.4	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: P630941
 CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8
2.5°	2043.7	2045.9	2051.9	2060.7	2069.5	2073.9	2084.8	2081.5	2079.4	2075.0	2069.5
5°	1953.3	1957.7	1963.2	1980.2	1999.3	2014.7	2039.3	2042.1	2043.2	2045.4	2036.6
7.5°	1838.2	1839.3	1852.5	1874.9	1900.1	1926.4	1967.5	1979.1	1988.9	1999.9	1992.8
10°	1711.1	1713.8	1723.7	1756.0	1799.3	1838.2	1893.6	1912.7	1933.6	1957.7	1947.8
12.5°	1606.9	1607.5	1623.4	1657.9	1705.0	1757.6	1826.7	1849.7	1877.1	1914.9	1906.2
15°	1524.2	1524.2	1539.0	1568.6	1622.8	1684.7	1767.0	1796.5	1833.8	1884.8	1869.4
17.5°	1458.4	1458.9	1468.3	1499.5	1547.7	1616.2	1713.8	1753.8	1794.9	1862.3	1839.3
20°	1423.9	1421.1	1422.8	1442.0	1483.1	1549.4	1660.6	1707.2	1762.6	1847.0	1811.9
22.5°	1422.2	1417.3	1410.2	1411.8	1435.9	1490.7	1603.6	1660.1	1729.7	1834.4	1783.9
25°	1450.2	1444.7	1432.1	1417.8	1415.6	1448.5	1549.9	1614.0	1695.7	1828.9	1757.1
27.5°	1497.3	1493.5	1477.0	1455.7	1433.2	1432.1	1509.4	1576.2	1671.0	1834.4	1737.9
30°	1559.8	1553.2	1542.8	1515.4	1481.4	1446.3	1493.5	1556.0	1654.6	1851.9	1729.7
32.5°	1630.5	1626.7	1616.8	1589.4	1553.2	1497.3	1506.1	1560.3	1654.6	1882.6	1731.3
35°	1705.6	1705.0	1705.0	1686.9	1646.9	1577.3	1556.0	1597.6	1679.8	1931.9	1748.9
37.5°	1778.5	1777.9	1795.5	1802.0	1756.5	1681.5	1640.9	1672.1	1735.2	2004.8	1792.2
40°	1837.7	1839.8	1878.2	1911.1	1885.9	1816.3	1759.3	1775.2	1825.0	2108.4	1867.8
42.5°	1897.4	1903.4	1961.0	2019.1	2028.9	1968.6	1911.1	1920.4	1953.8	2245.4	1980.7
45°	1962.6	1965.4	2045.9	2127.0	2174.7	2139.1	2092.0	2104.6	2112.2	2414.8	2149.0
47.5°	2025.6	2032.8	2136.9	2248.2	2338.6	2335.3	2309.0	2305.2	2306.8	2620.8	2347.9
50°	2111.7	2122.1	2244.3	2378.6	2511.2	2572.1	2579.7	2550.7	2538.6	2849.9	2595.6
52.5°	2275.0	2275.0	2384.6	2516.7	2694.8	2845.5	2897.1	2849.4	2811.0	3092.2	2858.7
55°	2479.4	2488.2	2575.3	2682.2	2908.0	3133.3	3307.6	3254.9	3146.4	3355.8	3134.4
57.5°	2570.4	2581.4	2719.5	2885.6	3187.0	3460.5	3702.2	3683.5	3525.1	3629.8	3420.5
60°	2406.0	2429.0	2619.2	2897.6	3439.6	3988.3	4158.7	4104.4	3878.1	3917.6	3730.7
62.5°	2007.0	2032.2	2243.2	2631.8	3404.6	4558.8	4878.3	4678.3	4318.7	4280.9	4143.9
65°	1197.5	1196.4	1450.2	1965.4	2972.1	4717.2	6017.2	5644.0	4999.4	4779.7	4569.2
67.5°	761.3	759.6	812.8	1041.3	1978.0	4329.1	6749.4	6846.4	5924.0	5146.3	4604.3
70°	600.7	600.1	638.5	742.6	978.3	3080.7	6545.5	7216.9	6482.5	5006.6	4054.0
72.5°	437.9	439.0	498.2	622.1	754.7	1546.6	5300.3	6175.0	5962.4	4419.6	3291.1
75°	314.6	316.2	351.9	476.3	696.0	845.7	3524.6	4643.2	4536.3	3542.7	2264.0
77.5°	200.0	202.2	233.5	333.8	562.3	682.9	2136.9	3278.0	3018.2	1996.0	805.1
80°	122.2	129.3	155.6	248.8	449.4	512.4	1068.2	1726.9	1511.6	547.5	270.7
82.5°	63.0	68.5	93.7	154.0	309.7	450.0	604.5	725.6	468.0	229.1	144.1
85°	19.7	23.0	32.9	62.5	147.4	279.0	400.1	360.6	214.8	108.0	66.9
87.5°	4.9	4.9	5.5	5.5	6.0	12.6	77.3	81.7	57.0	34.0	27.4
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: P630941
 CATALOG NUMBER: GWS-SA1E-760-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8	2072.8
2.5°	2058.5	2045.4	2039.9	2039.3	2025.6	2005.9	1992.8	1983.4	1978.0	1976.9	1976.9
5°	2021.8	2004.8	1982.3	1965.4	1928.6	1891.4	1860.1	1842.6	1822.3	1819.6	1819.0
7.5°	1973.0	1948.4	1905.6	1857.9	1793.8	1731.9	1679.3	1643.6	1608.0	1601.4	1599.2
10°	1920.4	1887.0	1814.1	1730.2	1634.3	1541.7	1461.1	1398.1	1356.5	1326.9	1321.4
12.5°	1868.3	1824.0	1717.1	1592.1	1460.6	1334.0	1212.9	1109.8	1035.3	992.0	984.3
15°	1819.6	1757.6	1611.3	1451.8	1280.8	1107.6	936.1	802.4	697.7	660.4	651.6
17.5°	1775.2	1697.9	1508.8	1306.6	1093.4	867.0	671.9	553.0	491.6	473.0	468.6
20°	1730.8	1636.5	1404.7	1153.7	894.4	640.7	491.1	435.2	412.1	405.0	402.8
22.5°	1683.1	1569.1	1291.2	1003.0	693.3	479.6	401.7	377.1	369.9	370.5	369.9
25°	1635.4	1500.6	1172.3	839.1	516.3	389.1	350.8	341.4	343.1	348.0	349.1
27.5°	1596.0	1439.8	1055.6	659.3	403.4	334.9	316.8	316.2	322.3	328.8	329.9
30°	1567.5	1385.5	940.5	507.0	332.1	297.6	290.5	293.8	300.9	305.8	307.5
32.5°	1547.2	1338.9	817.7	398.4	291.0	271.3	268.0	271.3	275.7	280.6	281.7
35°	1540.1	1304.9	697.1	325.0	263.1	252.1	249.9	251.6	253.8	256.5	257.6
37.5°	1556.0	1287.9	571.1	282.8	246.1	239.5	236.2	235.1	235.7	236.8	237.3
40°	1603.1	1295.6	468.0	258.1	235.1	229.1	223.6	221.4	220.9	222.0	221.4
42.5°	1684.2	1328.0	393.5	243.9	226.3	217.6	211.6	209.4	209.4	212.1	212.1
45°	1803.1	1391.5	339.8	233.5	218.7	207.7	201.1	200.0	202.2	206.6	207.2
47.5°	1977.4	1484.7	307.5	225.8	211.6	198.9	192.4	191.8	196.2	203.3	203.9
50°	2184.0	1619.0	289.9	220.3	206.6	191.8	185.2	185.8	190.7	198.4	200.0
52.5°	2432.9	1802.0	291.0	218.1	203.9	187.4	180.9	179.8	184.7	192.4	194.0
55°	2689.9	2024.5	312.4	218.7	200.0	185.2	176.5	172.6	177.0	182.5	183.1
57.5°	2972.7	2275.6	365.6	217.6	195.1	183.1	172.6	163.9	166.6	169.9	171.5
60°	3291.7	2571.0	480.1	219.8	192.9	178.1	165.0	153.5	152.9	155.1	155.6
62.5°	3718.1	2972.7	608.9	223.6	197.9	172.1	153.5	141.4	139.2	140.3	140.9
65°	4044.2	3164.5	568.3	220.3	208.3	167.7	142.5	129.9	125.5	124.4	124.4
67.5°	3911.5	2910.8	395.7	211.6	213.2	168.3	133.7	117.8	112.4	109.6	109.1
70°	3328.4	2364.3	275.1	202.8	207.7	167.2	124.4	108.0	100.8	97.0	96.5
72.5°	2629.6	1805.3	222.5	185.2	188.5	150.7	110.7	97.0	91.0	86.0	86.0
75°	1692.4	1101.6	185.8	165.0	154.0	117.3	95.9	86.6	80.6	75.6	75.6
77.5°	569.4	408.9	144.1	139.8	115.1	88.2	80.6	74.5	69.6	65.2	64.7
80°	231.3	194.0	105.8	105.8	80.6	67.4	63.0	60.3	57.0	51.5	51.5
82.5°	134.3	117.8	74.0	64.1	53.7	46.6	43.8	41.1	41.1	37.3	37.3
85°	64.7	65.2	44.4	39.5	30.7	26.9	25.8	24.1	23.6	21.4	20.8
87.5°	35.1	35.6	22.5	17.5	12.1	10.4	8.8	8.2	7.7	7.1	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)