

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: P629972

Luminaire Tested: GWS-SA1C-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4138.9 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

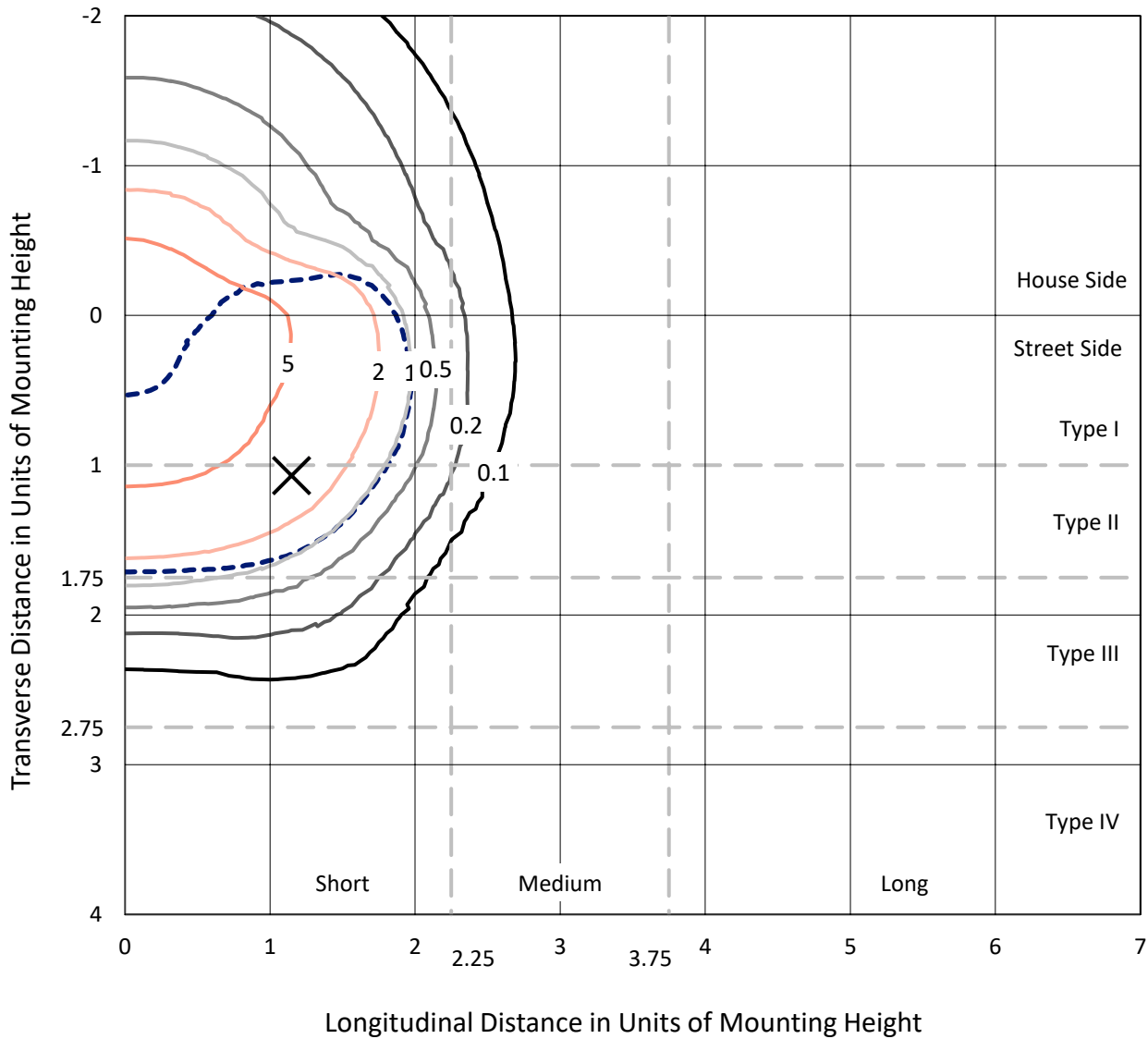
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629972
 CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

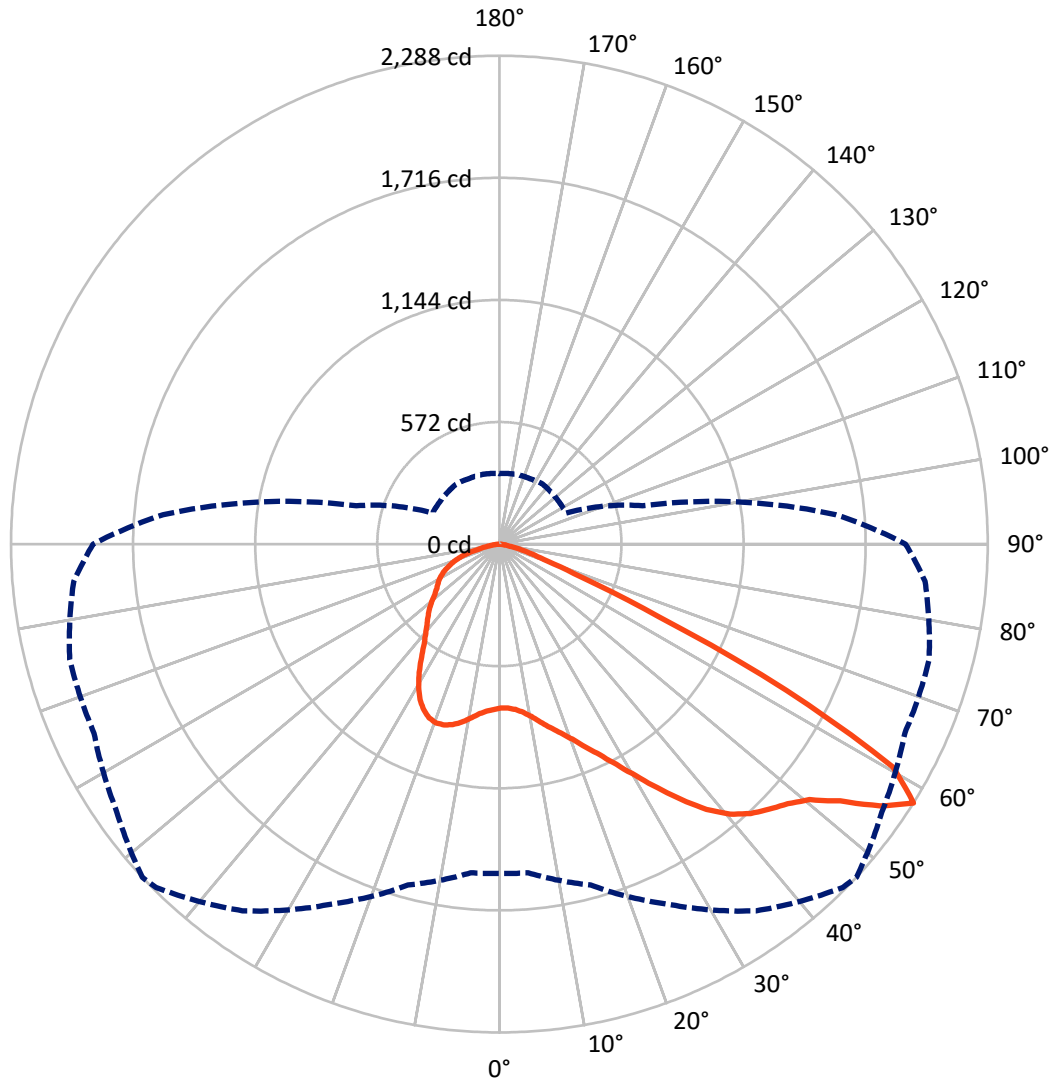
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

REPORT NUMBER: P629972
CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629972
 CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

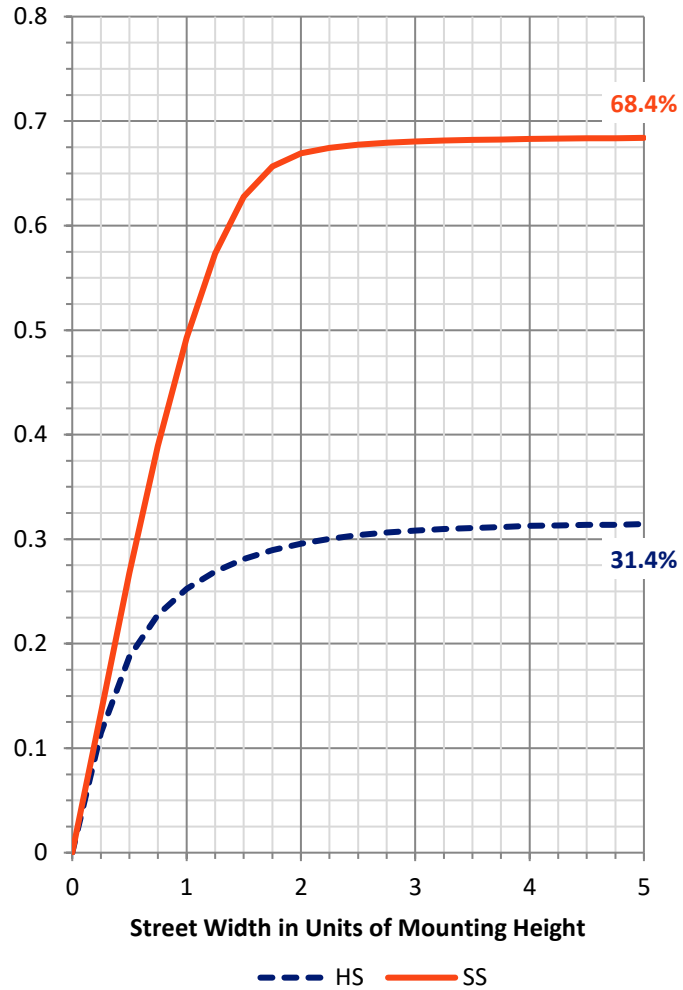
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1309.9	0.0	1309.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2828.9	0.0	2828.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	4138.9	0.0	4138.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.8
10°-20°	249.0	6.0
20°-30°	448.4	10.8
30°-40°	677.2	16.4
40°-50°	911.9	22.0
50°-60°	1095.8	26.5
60°-70°	533.7	12.9
70°-80°	131.5	3.2
80°-90°	15.8	0.4
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°	4138.9	100.0
0°-180°	4138.9	100.0

Coefficient of Utilization



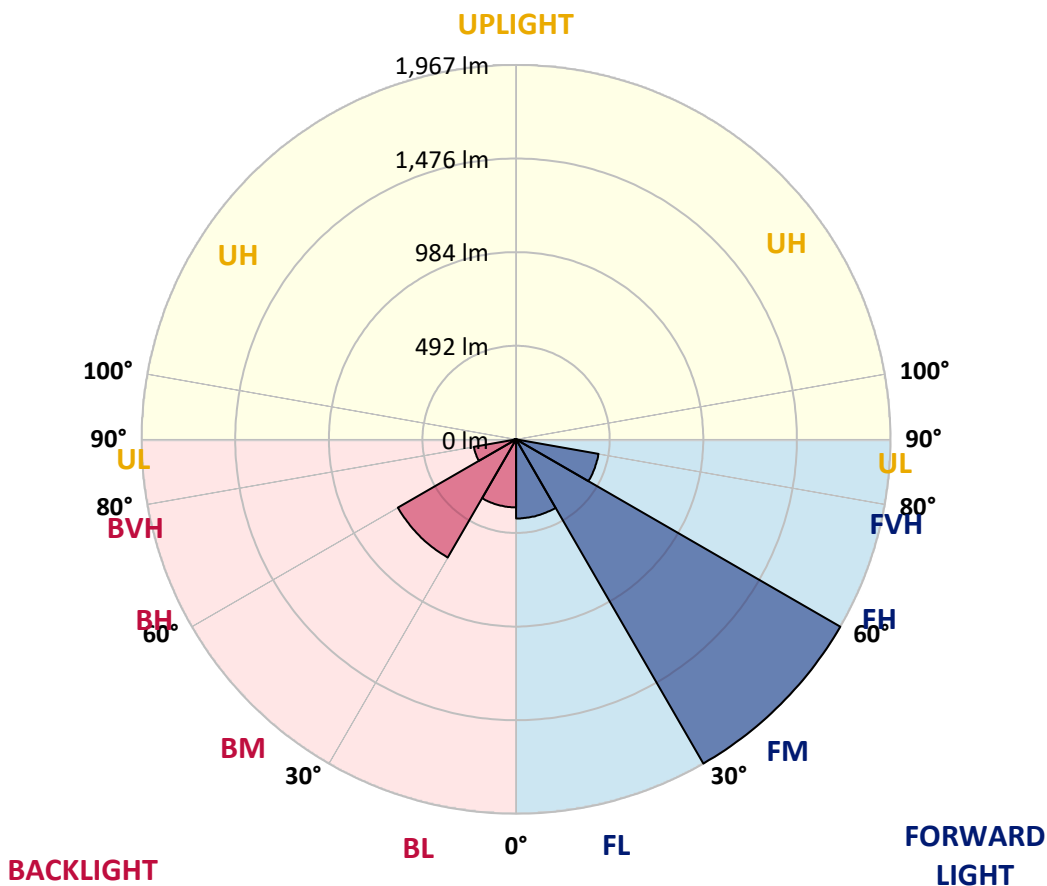
REPORT NUMBER: P629972

CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.7	10.0			
FM (30°-60°)	1967.4	47.5			
FH (60°-80°)	439.8	10.6			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	357.3	8.6	B1/500		
BM (30°-60°)	717.5	17.3	B1/1000		
BH (60°-80°)	225.3	5.4	B1/500		G1/500
BVH (80°-90°)	9.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





REPORT NUMBER: P629972

CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6
2.5°	766.2	765.8	765.8	767.9	767.9	768.6	769.7	770.7	771.0	769.3	765.5
5°	774.5	774.5	774.5	776.3	776.3	777.0	778.3	778.7	778.3	775.6	771.7
7.5°	787.7	787.7	788.1	790.2	791.9	792.9	795.4	795.0	794.0	789.5	784.6
10°	809.3	810.3	811.4	813.8	817.3	819.7	821.4	821.4	820.1	813.1	806.8
12.5°	839.9	841.3	842.3	844.4	847.2	851.3	855.2	855.2	853.4	844.7	835.4
15°	875.7	877.1	876.7	877.4	882.6	888.5	891.7	893.8	894.4	882.3	867.7
17.5°	916.7	918.1	916.7	914.6	915.3	924.7	930.3	937.9	942.4	926.1	902.8
20°	953.9	952.5	952.5	953.9	956.0	967.5	975.8	988.3	993.9	974.1	937.9
22.5°	993.2	996.3	994.9	994.9	1003.3	1022.4	1032.5	1048.8	1054.7	1029.0	980.3
25°	1043.9	1046.7	1046.0	1046.7	1056.4	1083.6	1093.6	1123.9	1129.8	1092.9	1027.2
27.5°	1099.6	1104.1	1106.2	1105.5	1121.1	1156.6	1169.1	1211.1	1221.9	1164.6	1077.3
30°	1171.9	1176.7	1178.5	1177.8	1196.2	1244.5	1258.8	1306.7	1322.0	1249.4	1140.9
32.5°	1255.6	1260.5	1265.7	1267.8	1291.4	1340.8	1361.3	1411.0	1432.9	1347.4	1217.7
35°	1338.7	1342.9	1353.0	1369.3	1401.6	1452.0	1470.1	1519.1	1540.3	1449.3	1310.6
37.5°	1430.5	1433.3	1442.0	1464.6	1511.1	1559.1	1577.2	1624.1	1626.6	1547.6	1415.5
40°	1531.0	1531.0	1529.2	1551.5	1600.1	1648.5	1664.1	1691.2	1677.0	1623.4	1517.7
42.5°	1616.1	1614.7	1616.1	1637.0	1673.1	1712.4	1726.0	1720.8	1702.7	1681.5	1610.2
45°	1693.0	1694.0	1706.5	1722.5	1741.3	1764.6	1772.6	1743.0	1726.7	1728.1	1684.3
47.5°	1745.1	1746.1	1775.3	1802.1	1813.6	1820.9	1817.4	1776.4	1768.0	1783.7	1741.3
50°	1752.1	1757.6	1808.0	1862.9	1891.4	1892.5	1882.8	1832.7	1830.3	1848.0	1771.9
52.5°	1753.4	1759.0	1821.9	1921.0	1995.0	2010.7	1999.6	1947.4	1922.0	1904.3	1809.4
55°	1748.2	1754.5	1824.0	1959.9	2101.8	2164.3	2165.4	2091.7	2010.7	1998.9	1916.5
57.5°	1543.5	1545.9	1653.7	1860.9	2097.6	2274.9	2288.4	2188.3	2095.9	2084.7	2002.3
60°	1075.2	1085.0	1202.1	1475.7	1762.1	2074.7	2118.5	2089.3	2027.4	1946.4	1718.0
62.5°	538.5	546.8	664.3	923.0	1215.3	1462.1	1509.1	1540.0	1554.6	1467.7	1169.8
65°	231.9	238.1	311.1	482.2	688.0	807.2	823.5	860.7	951.8	849.3	630.3
67.5°	155.0	159.2	196.4	294.1	405.3	413.0	410.5	418.5	438.4	361.9	284.7
70°	118.9	122.4	147.4	215.5	291.3	249.3	236.0	214.1	232.6	237.1	230.8
72.5°	86.2	89.0	107.8	147.0	182.5	159.2	157.1	168.3	193.3	200.2	196.4
75°	55.6	57.0	68.5	80.6	94.2	102.2	106.4	126.5	151.9	157.1	152.6
77.5°	37.2	38.2	44.8	51.8	53.5	53.9	55.3	64.3	81.7	91.4	90.4
80°	19.5	19.5	21.9	21.9	25.0	29.9	31.3	37.2	45.2	50.1	50.4
82.5°	7.6	8.0	9.4	10.4	12.5	15.3	16.3	19.5	23.6	27.1	30.2
85°	3.1	3.5	3.8	4.5	5.6	7.0	7.3	8.3	11.1	13.9	15.6
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	1.0	1.4	1.7	3.1	4.2
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: P629972
 CATALOG NUMBER: GWS-SA1C-760-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6
2.5°	770.0	765.5	770.0	771.4	775.2	776.6	774.2	773.8	773.8	770.3	769.3
5°	775.2	771.0	775.6	777.6	783.2	786.7	787.4	790.2	791.9	790.5	790.2
7.5°	788.1	782.9	787.7	790.9	798.2	803.7	806.2	812.4	816.9	816.2	815.9
10°	810.7	803.7	809.3	814.5	822.5	829.1	829.4	832.9	837.4	836.0	835.4
12.5°	836.7	830.1	836.4	841.6	851.0	853.8	849.3	847.9	848.6	846.8	845.4
15°	868.7	859.3	864.9	870.8	876.0	872.9	863.2	859.3	859.0	856.6	855.2
17.5°	900.7	888.9	893.1	896.2	893.8	884.0	871.9	865.2	862.1	857.3	855.9
20°	932.3	917.4	916.7	914.3	903.1	885.4	869.1	855.9	847.9	841.3	838.8
22.5°	968.5	947.6	937.2	926.1	901.7	872.9	848.2	829.4	816.6	808.2	805.5
25°	1007.4	977.9	956.3	934.1	887.8	846.1	811.7	786.0	770.7	761.7	758.5
27.5°	1046.0	1005.3	973.0	935.1	860.0	807.5	761.3	726.5	711.2	703.9	701.5
30°	1098.2	1041.8	992.8	921.6	823.5	754.0	696.3	661.2	651.1	645.9	643.8
32.5°	1158.3	1088.1	1019.2	893.1	777.0	691.4	630.6	606.3	599.3	589.2	588.9
35°	1237.6	1154.1	1044.3	851.0	718.2	624.3	580.2	562.8	550.3	534.3	532.9
37.5°	1330.0	1236.5	1057.8	797.5	649.7	569.1	542.6	523.2	503.0	481.8	479.0
40°	1425.6	1332.8	1058.9	734.2	582.6	532.6	510.3	484.9	459.9	436.3	433.1
42.5°	1526.1	1422.5	1040.5	661.2	527.7	500.9	478.3	446.4	418.2	402.2	400.5
45°	1615.8	1494.8	998.7	584.4	487.0	474.5	445.7	411.2	396.3	384.8	382.4
47.5°	1686.3	1542.8	942.4	515.5	454.0	447.4	409.9	392.1	380.7	370.2	367.8
50°	1721.1	1553.6	869.1	459.6	423.4	415.4	389.7	376.1	368.5	360.1	358.1
52.5°	1764.2	1565.7	805.8	412.6	393.5	382.7	373.0	362.2	356.7	351.5	349.7
55°	1863.3	1611.6	772.4	375.1	365.0	360.1	358.8	349.7	348.0	344.5	341.4
57.5°	1903.6	1582.1	693.5	344.5	342.4	343.1	346.6	338.2	336.5	332.3	330.2
60°	1531.0	1195.8	469.6	318.1	323.6	328.2	331.6	323.3	320.9	320.2	317.4
62.5°	981.0	735.6	327.8	293.4	301.7	307.3	309.4	301.4	299.7	305.2	305.6
65°	510.7	400.8	265.9	267.0	273.9	282.3	286.4	283.7	283.0	288.9	289.2
67.5°	260.7	245.1	231.9	235.7	241.3	252.0	261.8	273.9	278.1	278.8	279.1
70°	222.1	215.2	208.6	211.0	216.9	222.8	232.2	238.1	231.2	229.4	228.7
72.5°	189.1	183.9	180.8	183.5	186.7	185.6	182.9	185.6	186.7	187.0	187.4
75°	147.0	143.2	140.8	141.1	141.1	137.3	132.1	129.0	125.5	122.7	122.7
77.5°	90.0	90.7	93.2	92.8	92.5	91.1	85.9	83.1	74.7	72.3	72.3
80°	51.4	52.5	54.9	55.6	55.6	53.9	48.7	45.5	41.7	40.0	39.6
82.5°	31.3	32.7	34.1	34.8	35.1	33.0	28.5	26.1	24.0	22.2	22.2
85°	16.3	17.0	18.4	18.8	17.7	15.6	13.2	12.2	10.1	9.7	9.7
87.5°	4.5	4.9	5.6	4.5	4.2	3.1	1.7	1.4	0.7	0.3	0.3
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)