

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: P630247

Luminaire Tested: GWS-SA1D-730-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630247
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-SA1D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4712.9 lumens
Efficiency: N/A
Efficacy: 106.4 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

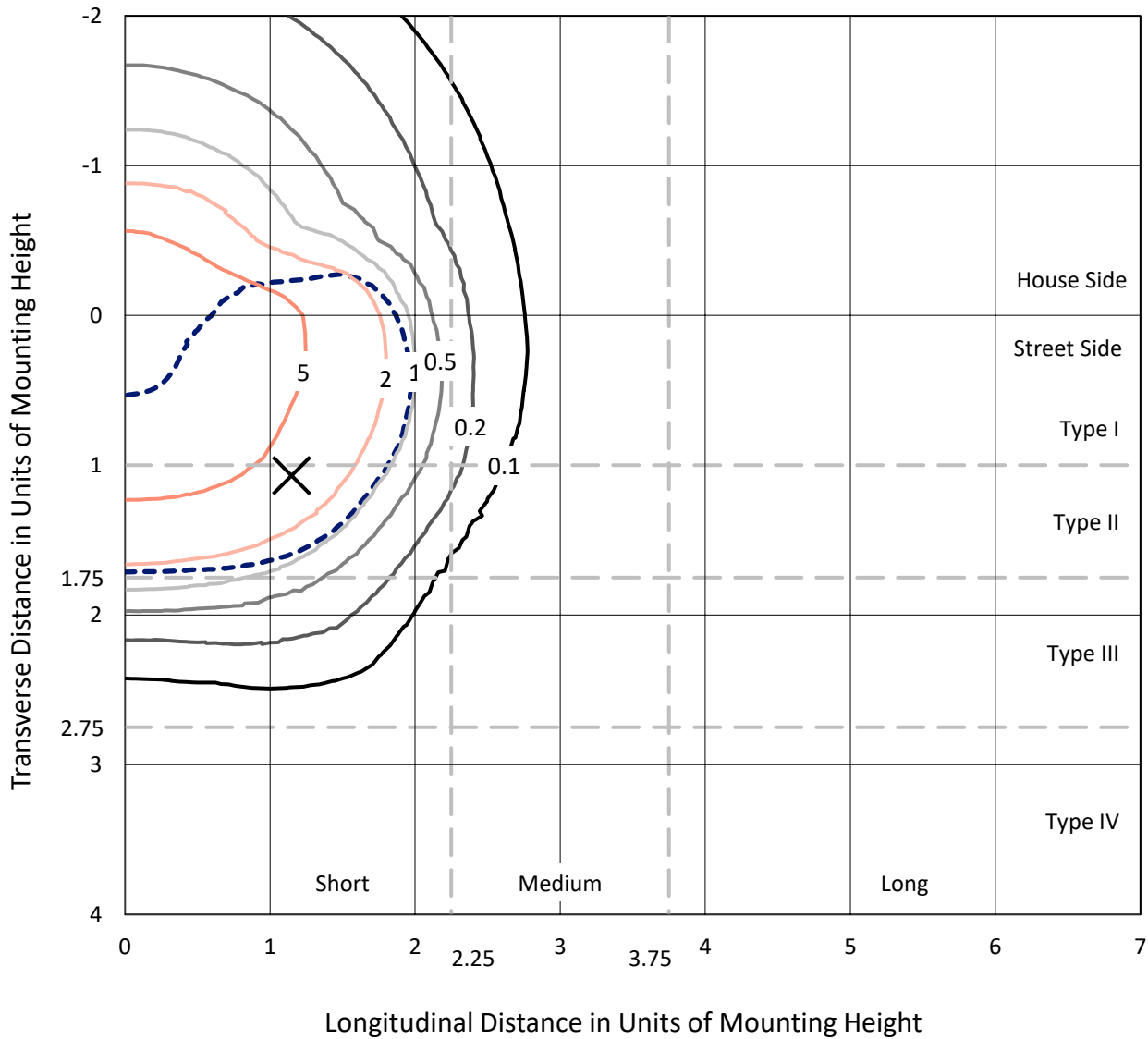
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

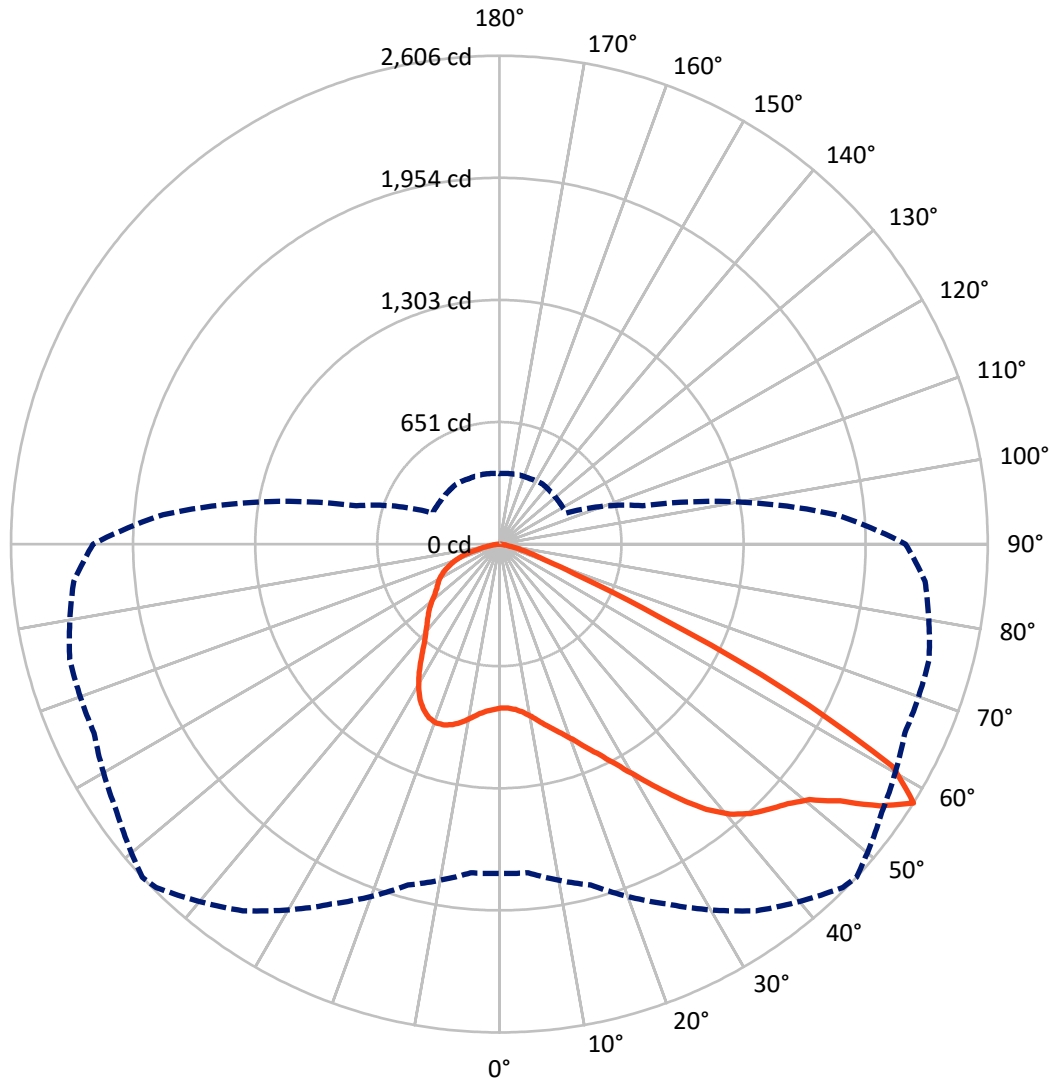
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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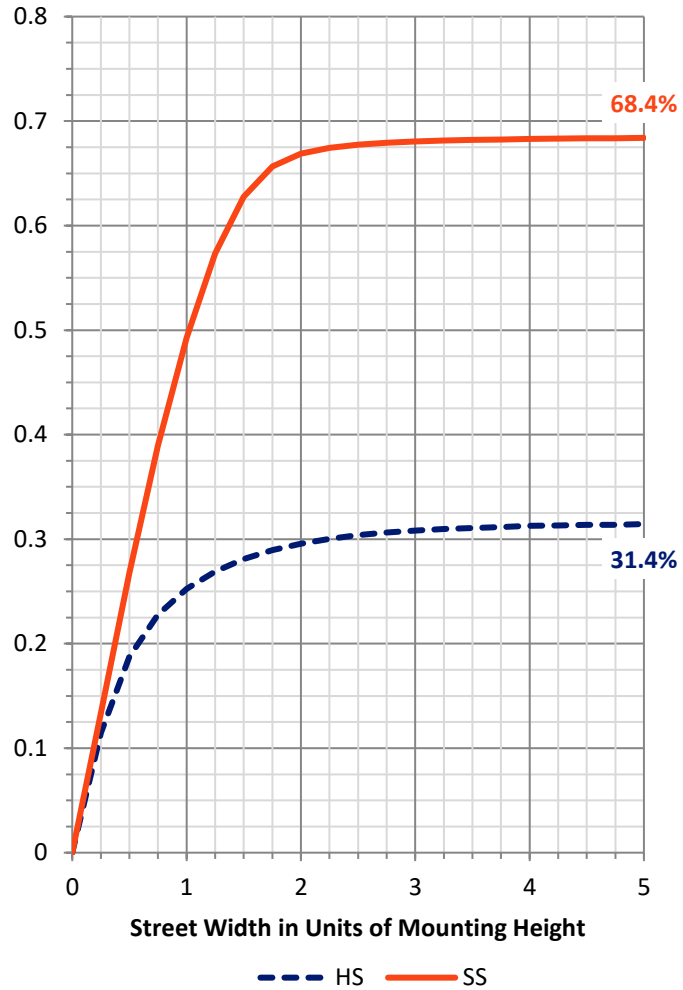
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1491.6	0.0	1491.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3221.3	0.0	3221.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	4712.9	0.0	4712.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.8
10°-20°	283.5	6.0
20°-30°	510.5	10.8
30°-40°	771.1	16.4
40°-50°	1038.4	22.0
50°-60°	1247.8	26.5
60°-70°	607.7	12.9
70°-80°	149.7	3.2
80°-90°	18.0	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°	4712.9	100.0
0°-180°	4712.9	100.0

Coefficient of Utilization



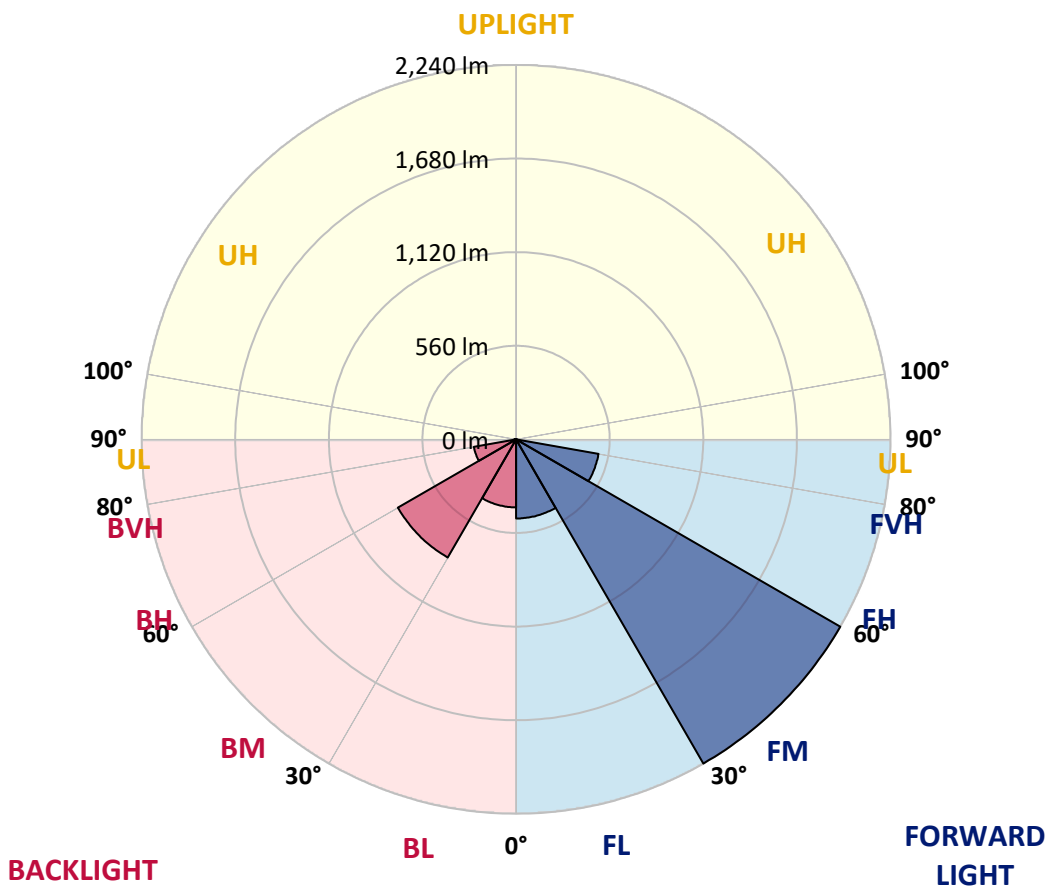
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.4	10.0			
FM (30°-60°)	2240.3	47.5			
FH (60°-80°)	500.8	10.6			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	406.9	8.6	B1/500		
BM (30°-60°)	817.0	17.3	B1/1000		
BH (60°-80°)	256.6	5.4	B1/500		G1/500
BVH (80°-90°)	11.2	0.2			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0
2.5°	872.4	872.0	872.0	874.4	874.4	875.2	876.4	877.6	878.0	876.0	871.6
5°	881.9	881.9	881.9	883.9	883.9	884.7	886.3	886.7	886.3	883.1	878.8
7.5°	897.0	897.0	897.4	899.7	901.7	902.9	905.7	905.3	904.1	899.0	893.4
10°	921.5	922.7	923.9	926.7	930.6	933.4	935.4	935.4	933.8	925.9	918.7
12.5°	956.3	957.9	959.1	961.5	964.7	969.4	973.8	973.8	971.8	961.9	951.2
15°	997.1	998.7	998.3	999.1	1005.0	1011.8	1015.3	1017.7	1018.5	1004.6	988.0
17.5°	1043.8	1045.4	1043.8	1041.5	1042.2	1052.9	1059.3	1068.0	1073.1	1054.5	1028.0
20°	1086.2	1084.6	1084.6	1086.2	1088.6	1101.6	1111.1	1125.4	1131.7	1109.1	1068.0
22.5°	1130.9	1134.5	1132.9	1132.9	1142.4	1164.2	1175.6	1194.2	1201.0	1171.7	1116.3
25°	1188.7	1191.9	1191.1	1191.9	1203.0	1233.8	1245.3	1279.7	1286.5	1244.5	1169.7
27.5°	1252.0	1257.2	1259.6	1258.8	1276.6	1317.0	1331.2	1379.1	1391.4	1326.1	1226.7
30°	1334.4	1339.9	1341.9	1341.1	1362.1	1417.1	1433.3	1488.0	1505.4	1422.6	1299.1
32.5°	1429.8	1435.3	1441.3	1443.6	1470.5	1526.8	1550.1	1606.7	1631.7	1534.3	1386.6
35°	1524.4	1529.1	1540.6	1559.2	1596.0	1653.4	1674.0	1729.8	1754.0	1650.3	1492.3
37.5°	1628.9	1632.0	1641.9	1667.7	1720.7	1775.3	1795.9	1849.4	1852.1	1762.3	1611.9
40°	1743.3	1743.3	1741.3	1766.6	1822.1	1877.1	1894.9	1925.8	1909.5	1848.6	1728.2
42.5°	1840.3	1838.7	1840.3	1864.0	1905.2	1949.9	1965.3	1959.4	1938.8	1914.7	1833.5
45°	1927.7	1928.9	1943.2	1961.4	1982.8	2009.3	2018.4	1984.7	1966.1	1967.7	1917.8
47.5°	1987.1	1988.3	2021.6	2052.0	2065.1	2073.4	2069.5	2022.7	2013.2	2031.1	1982.8
50°	1995.0	2001.4	2058.8	2121.3	2153.8	2155.0	2143.9	2086.9	2084.1	2104.3	2017.6
52.5°	1996.6	2002.9	2074.6	2187.4	2271.7	2289.5	2276.9	2217.5	2188.6	2168.4	2060.3
55°	1990.7	1997.8	2077.0	2231.7	2393.2	2464.5	2465.7	2381.8	2289.5	2276.1	2182.3
57.5°	1757.5	1760.3	1883.0	2118.9	2388.5	2590.4	2605.8	2491.8	2386.5	2373.9	2280.0
60°	1224.3	1235.4	1368.8	1680.3	2006.5	2362.4	2412.2	2379.0	2308.5	2216.3	1956.2
62.5°	613.2	622.7	756.4	1051.0	1383.9	1664.9	1718.3	1753.6	1770.2	1671.2	1332.0
65°	264.0	271.2	354.3	549.0	783.4	919.1	937.7	980.1	1083.8	967.0	717.7
67.5°	176.5	181.3	223.6	334.9	461.5	470.3	467.5	476.6	499.2	412.1	324.2
70°	135.4	139.3	167.8	245.4	331.7	283.8	268.8	243.8	264.8	270.0	262.8
72.5°	98.2	101.3	122.7	167.4	207.8	181.3	178.9	191.6	220.1	228.0	223.6
75°	63.3	64.9	78.0	91.8	107.3	116.4	121.1	144.1	173.0	178.9	173.8
77.5°	42.4	43.5	51.1	59.0	61.0	61.4	62.9	73.2	93.0	104.1	102.9
80°	22.2	22.2	24.9	24.9	28.5	34.0	35.6	42.4	51.5	57.0	57.4
82.5°	8.7	9.1	10.7	11.9	14.3	17.4	18.6	22.2	26.9	30.9	34.4
85°	3.6	4.0	4.4	5.1	6.3	7.9	8.3	9.5	12.7	15.8	17.8
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	1.2	1.6	2.0	3.6	4.8
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°	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0	874.0
2.5°	876.8	871.6	876.8	878.4	882.7	884.3	881.5	881.1	881.1	877.2	876.0
5°	882.7	878.0	883.1	885.5	891.8	895.8	896.6	899.7	901.7	900.1	899.7
7.5°	897.4	891.4	897.0	900.5	908.8	915.2	918.0	925.1	930.2	929.4	929.0
10°	923.1	915.2	921.5	927.5	936.6	944.1	944.5	948.4	953.6	952.0	951.2
12.5°	952.8	945.3	952.4	958.3	969.0	972.2	967.0	965.5	966.2	964.3	962.7
15°	989.2	978.5	984.8	991.6	997.5	994.0	982.9	978.5	978.1	975.3	973.8
17.5°	1025.6	1012.2	1016.9	1020.5	1017.7	1006.6	992.8	985.2	981.7	976.1	974.6
20°	1061.6	1044.6	1043.8	1041.1	1028.4	1008.2	989.6	974.6	965.5	957.9	955.2
22.5°	1102.8	1079.1	1067.2	1054.5	1026.8	994.0	965.8	944.5	929.8	920.3	917.2
25°	1147.1	1113.5	1089.0	1063.6	1011.0	963.5	924.3	895.0	877.6	867.3	863.7
27.5°	1191.1	1144.8	1108.0	1064.8	979.3	919.5	866.9	827.3	809.9	801.6	798.8
30°	1250.5	1186.3	1130.5	1049.4	937.7	858.6	792.9	752.9	741.4	735.5	733.1
32.5°	1318.9	1239.0	1160.6	1016.9	884.7	787.3	718.1	690.3	682.4	670.9	670.6
35°	1409.2	1314.2	1189.1	969.0	817.8	710.9	660.7	640.9	626.6	608.4	606.8
37.5°	1514.5	1408.0	1204.5	908.1	739.8	648.0	617.9	595.7	572.8	548.6	545.5
40°	1623.3	1517.6	1205.7	836.0	663.4	606.4	581.1	552.2	523.7	496.8	493.2
42.5°	1737.7	1619.8	1184.7	752.9	600.9	570.4	544.7	508.3	476.2	458.0	456.0
45°	1839.9	1702.1	1137.2	665.4	554.6	540.3	507.5	468.3	451.3	438.2	435.4
47.5°	1920.2	1756.7	1073.1	587.0	517.0	509.4	466.7	446.5	433.4	421.6	418.8
50°	1959.8	1769.0	989.6	523.3	482.1	473.0	443.7	428.3	419.6	410.1	407.7
52.5°	2008.9	1782.9	917.6	469.9	448.1	435.8	424.7	412.5	406.1	400.2	398.2
55°	2121.7	1835.1	879.6	427.1	415.6	410.1	408.5	398.2	396.2	392.3	388.7
57.5°	2167.6	1801.5	789.7	392.3	389.9	390.7	394.7	385.2	383.2	378.4	376.0
60°	1743.3	1361.7	534.8	362.2	368.5	373.7	377.6	368.1	365.4	364.6	361.4
62.5°	1117.1	837.6	373.3	334.1	343.6	349.9	352.3	343.2	341.2	347.5	347.9
65°	581.5	456.4	302.8	304.0	311.9	321.4	326.2	323.0	322.2	328.9	329.3
67.5°	296.9	279.1	264.0	268.4	274.7	287.0	298.1	311.9	316.7	317.5	317.9
70°	252.9	245.0	237.5	240.3	247.0	253.7	264.4	271.2	263.2	261.3	260.5
72.5°	215.3	209.4	205.8	209.0	212.6	211.4	208.2	211.4	212.6	213.0	213.4
75°	167.4	163.1	160.3	160.7	160.7	156.4	150.4	146.9	142.9	139.7	139.7
77.5°	102.5	103.3	106.1	105.7	105.3	103.7	97.8	94.6	85.1	82.3	82.3
80°	58.6	59.8	62.5	63.3	63.3	61.4	55.4	51.9	47.5	45.5	45.1
82.5°	35.6	37.2	38.8	39.6	40.0	37.6	32.5	29.7	27.3	25.3	25.3
85°	18.6	19.4	21.0	21.4	20.2	17.8	15.0	13.9	11.5	11.1	11.1
87.5°	5.1	5.5	6.3	5.1	4.8	3.6	2.0	1.6	0.8	0.4	0.4
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)