

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: P632087

Luminaire Tested: GWS-SA2C-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6009.8 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

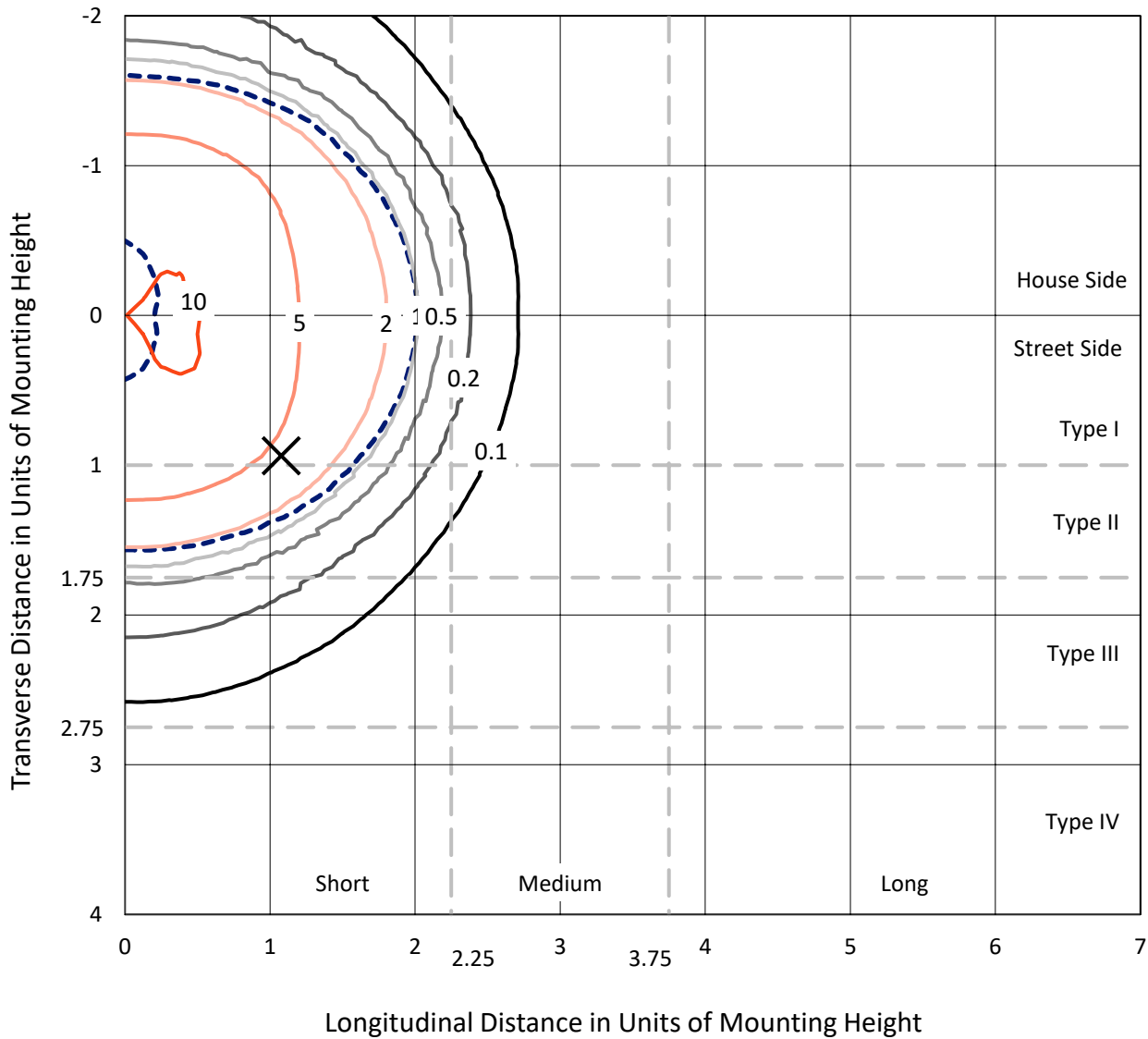
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

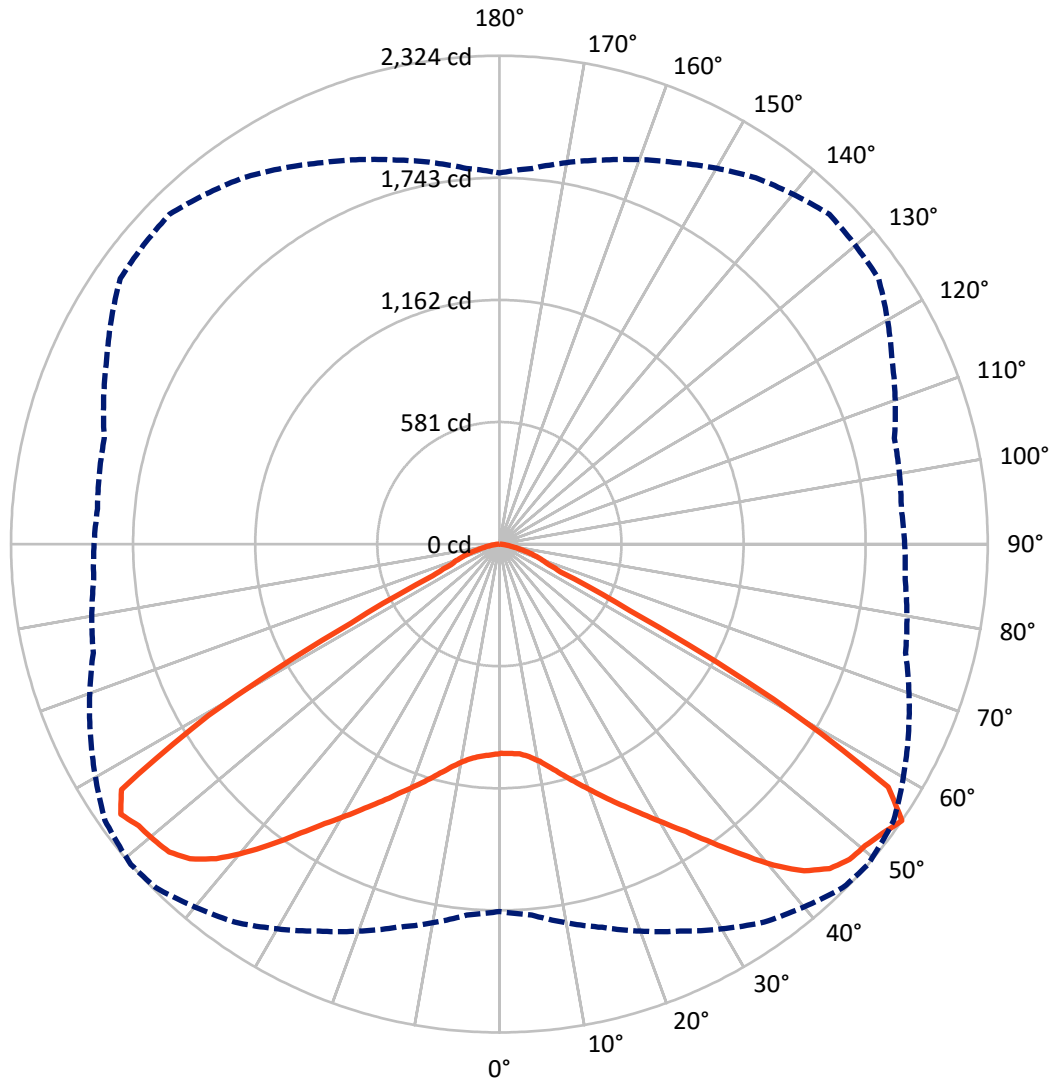
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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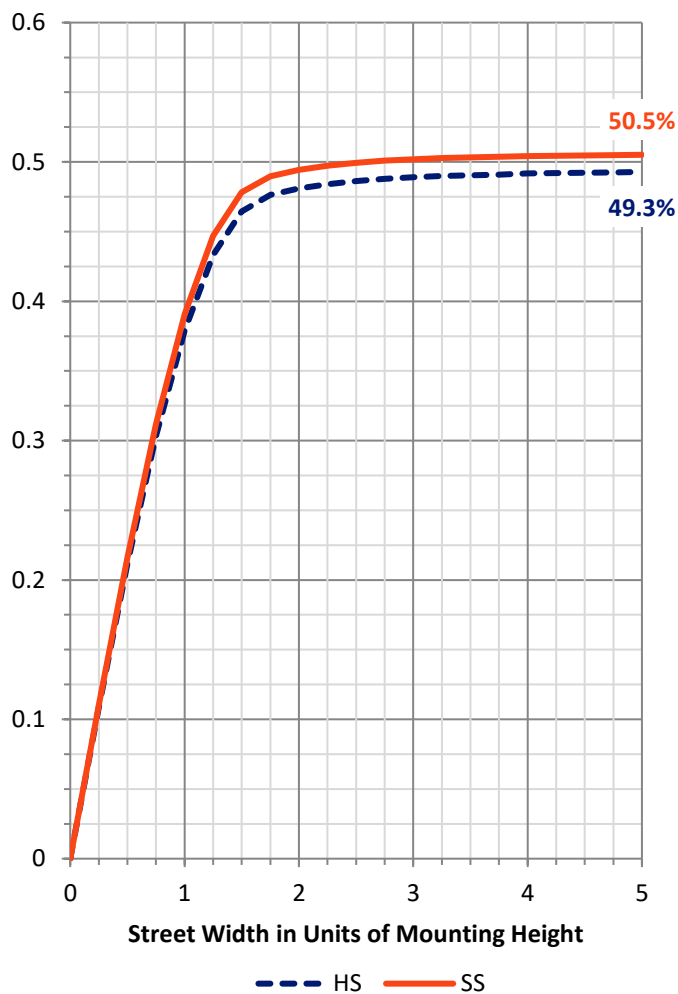
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2975.4	0.0	2975.4
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3034.4	0.0	3034.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	6009.8	0.0	6009.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.6
10°-20°	320.3	5.3
20°-30°	610.1	10.2
30°-40°	1034.3	17.2
40°-50°	1556.6	25.9
50°-60°	1703.8	28.4
60°-70°	538.8	9.0
70°-80°	129.3	2.2
80°-90°	19.4	0.3
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°	6009.8	100.0
0°-180°	6009.8	100.0

Coefficient of Utilization



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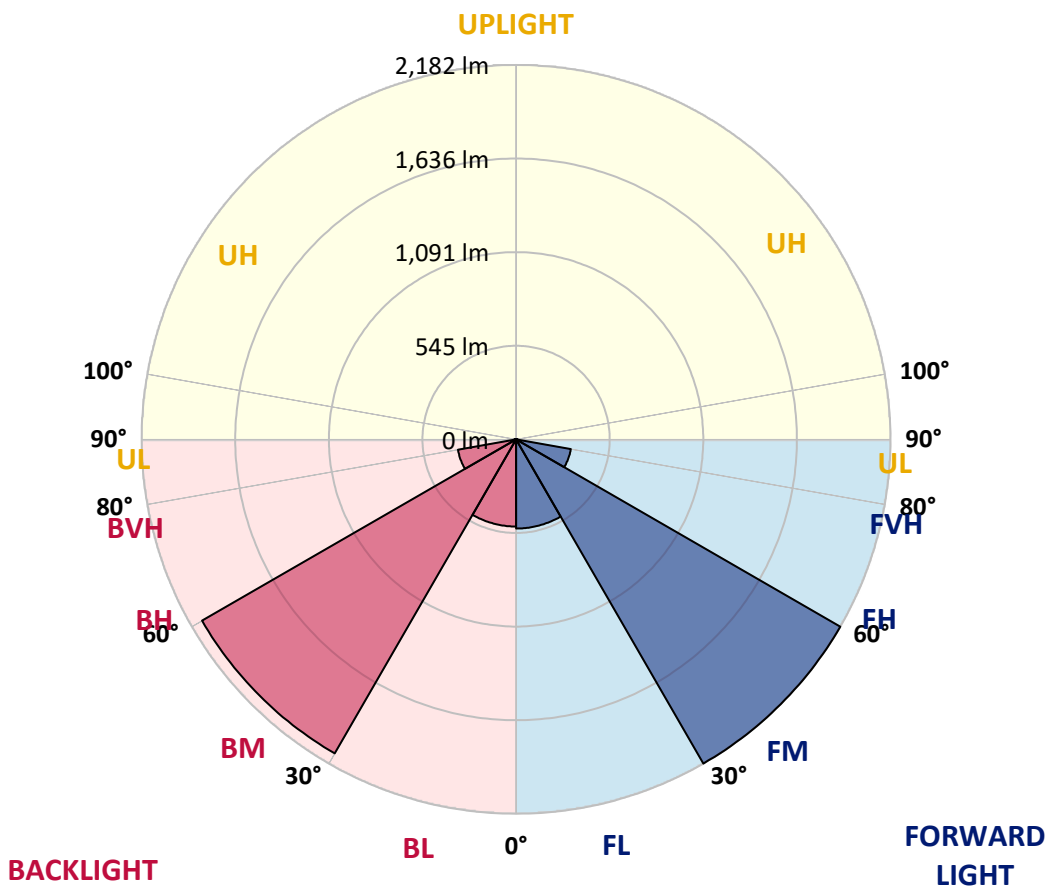
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.6	8.6			
FM (30°-60°)	2181.7	36.3			
FH (60°-80°)	324.1	5.4			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	508.0	8.5	B2/1000		
BM (30°-60°)	2113.0	35.2	B2/2500		
BH (60°-80°)	344.0	5.7	B1/500		G0/660
BVH (80°-90°)	10.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6
2.5°	980.9	981.9	983.8	987.3	990.7	995.6	997.5	1000.0	999.5	1002.4	1002.4
5°	976.0	977.5	980.4	985.3	991.2	1000.4	1002.9	1008.8	1014.6	1022.0	1024.4
7.5°	981.9	983.8	987.3	995.1	1003.9	1016.1	1021.0	1030.7	1042.0	1055.2	1060.6
10°	993.1	995.6	1001.4	1014.1	1028.3	1046.9	1051.3	1063.5	1081.6	1099.7	1110.4
12.5°	1005.8	1009.7	1020.5	1040.5	1061.5	1086.0	1092.8	1108.0	1127.5	1151.0	1165.6
15°	1020.5	1023.9	1040.5	1068.9	1101.6	1133.9	1141.7	1156.4	1178.3	1201.3	1221.8
17.5°	1051.3	1057.1	1076.7	1109.4	1147.6	1185.7	1194.5	1211.1	1228.7	1246.8	1266.3
20°	1093.3	1098.2	1123.1	1163.7	1208.6	1243.4	1252.1	1266.8	1275.1	1284.4	1301.0
22.5°	1135.3	1142.2	1170.5	1218.4	1271.2	1308.8	1315.7	1329.4	1323.5	1320.6	1331.3
25°	1187.6	1196.9	1224.8	1277.1	1330.8	1377.3	1382.6	1394.4	1384.6	1369.4	1369.0
27.5°	1252.6	1260.9	1289.8	1343.5	1396.8	1445.2	1455.5	1471.1	1449.6	1431.0	1417.8
30°	1329.9	1335.2	1367.0	1424.2	1478.9	1524.9	1538.1	1553.7	1537.6	1506.8	1493.6
32.5°	1419.8	1427.1	1463.8	1523.9	1572.8	1618.7	1631.9	1651.4	1633.9	1599.2	1582.5
35°	1527.8	1535.1	1573.7	1639.2	1689.1	1736.5	1745.8	1761.9	1739.9	1699.8	1686.6
37.5°	1645.1	1654.4	1703.3	1765.3	1817.6	1872.8	1873.3	1878.2	1846.9	1797.1	1782.4
40°	1777.1	1789.3	1838.1	1902.7	1965.7	2010.7	2010.2	1996.5	1943.7	1866.5	1844.0
42.5°	1907.5	1917.3	1966.7	2033.2	2096.2	2138.7	2126.0	2092.8	2016.5	1911.5	1881.6
45°	2001.9	2009.2	2061.0	2135.8	2199.8	2226.2	2203.2	2163.2	2060.0	1939.8	1895.8
47.5°	2046.3	2056.1	2108.4	2182.7	2255.0	2270.2	2242.8	2205.2	2085.4	1966.2	1907.1
50°	2022.4	2035.1	2094.2	2163.2	2244.8	2276.1	2256.5	2218.9	2112.3	1992.1	1927.1
52.5°	1960.3	1972.5	2047.3	2130.9	2223.3	2285.3	2284.9	2254.1	2143.1	1999.4	1928.1
55°	1748.2	1772.2	1888.5	2032.7	2196.9	2312.7	2324.4	2291.7	2148.0	2001.4	1938.3
57.5°	1137.8	1179.8	1290.3	1477.9	1807.4	2103.5	2182.7	2190.5	2112.8	1993.1	1940.3
60°	475.1	508.8	596.3	720.9	993.1	1345.5	1499.0	1652.9	1838.6	1906.1	1922.2
62.5°	295.2	298.1	306.9	335.3	426.2	598.2	696.9	841.1	1117.3	1352.3	1460.8
65°	266.4	267.8	269.8	267.8	272.2	293.2	319.6	370.0	482.4	599.2	738.0
67.5°	234.6	236.5	238.0	236.5	238.0	239.0	241.9	246.3	266.9	283.5	296.2
70°	189.6	192.6	195.0	194.0	199.9	199.9	202.8	206.2	216.5	228.7	237.5
72.5°	144.7	142.2	145.2	146.1	151.5	154.4	158.8	162.7	174.5	181.8	193.1
75°	93.8	91.4	95.8	98.2	105.6	109.5	113.4	117.3	125.6	130.5	141.2
77.5°	50.8	50.3	54.7	58.2	66.0	70.9	73.8	76.7	83.6	85.0	91.9
80°	29.3	29.3	32.3	34.7	39.6	45.0	47.9	50.3	55.2	56.7	59.6
82.5°	16.1	16.1	17.6	19.1	23.0	25.9	28.3	30.3	34.7	36.2	37.6
85°	7.8	7.3	8.3	9.3	10.8	12.2	13.7	14.7	18.1	19.1	21.0
87.5°	1.0	1.0	1.0	1.5	2.0	2.9	3.4	3.4	5.4	6.4	7.3
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°	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6	995.6
2.5°	1005.3	999.0	1002.9	1004.4	1004.4	1002.9	996.5	994.6	991.6	987.3	987.3
5°	1027.8	1022.9	1023.9	1021.5	1015.6	1008.3	996.5	990.7	985.8	980.4	979.9
7.5°	1066.4	1060.1	1059.1	1049.8	1034.2	1018.5	1000.9	990.2	982.9	976.0	975.5
10°	1116.8	1110.9	1103.6	1085.0	1062.0	1039.1	1015.1	1000.4	989.7	979.9	979.4
12.5°	1173.0	1166.1	1152.4	1125.1	1096.2	1073.8	1046.4	1023.9	1007.8	994.6	992.1
15°	1234.1	1224.3	1200.8	1168.6	1140.2	1116.3	1087.0	1054.7	1030.3	1009.2	1006.8
17.5°	1281.0	1268.3	1242.9	1212.6	1189.1	1165.2	1127.0	1086.5	1051.3	1024.9	1021.0
20°	1313.2	1303.0	1274.1	1251.7	1238.0	1217.0	1172.5	1126.5	1087.0	1053.7	1051.8
22.5°	1343.1	1330.8	1302.5	1289.3	1289.3	1275.1	1232.6	1178.3	1131.9	1093.3	1088.4
25°	1376.8	1363.6	1342.1	1340.6	1347.5	1341.1	1289.8	1231.6	1177.4	1133.9	1126.1
27.5°	1423.7	1409.0	1396.3	1405.1	1414.9	1408.1	1350.9	1283.4	1226.2	1182.3	1175.4
30°	1498.5	1480.4	1468.7	1479.4	1498.5	1478.4	1416.4	1345.0	1287.3	1239.0	1235.5
32.5°	1585.5	1564.9	1552.7	1569.8	1586.9	1555.7	1494.1	1425.6	1365.0	1314.2	1308.4
35°	1690.1	1664.2	1646.1	1669.0	1686.6	1655.8	1594.8	1529.8	1462.3	1409.5	1401.7
37.5°	1782.9	1751.6	1739.4	1771.7	1795.1	1775.1	1708.6	1647.5	1573.7	1516.1	1512.6
40°	1850.4	1819.6	1810.8	1864.0	1905.1	1900.2	1840.6	1770.7	1701.3	1634.8	1628.5
42.5°	1879.7	1858.2	1860.1	1932.0	1995.5	2026.8	1973.5	1898.7	1831.8	1762.9	1758.5
45°	1886.0	1872.8	1888.5	1978.4	2062.0	2126.0	2080.6	2018.0	1942.2	1875.8	1873.8
47.5°	1892.9	1885.6	1909.5	2004.8	2104.0	2178.3	2152.9	2088.4	2011.6	1946.6	1941.8
50°	1909.0	1906.1	1933.0	2023.4	2124.1	2192.5	2163.6	2099.6	2020.9	1956.9	1945.2
52.5°	1913.9	1909.0	1947.6	2052.2	2157.3	2192.0	2129.9	2046.3	1967.2	1895.8	1883.6
55°	1929.0	1920.3	1946.6	2063.0	2203.2	2220.3	2128.0	2002.8	1892.4	1795.1	1766.3
57.5°	1933.0	1923.2	1940.3	2045.4	2153.4	2138.2	1870.4	1616.3	1408.1	1300.0	1312.3
60°	1911.9	1914.9	1885.6	1873.8	1727.2	1524.9	1145.1	915.4	718.9	635.8	653.9
62.5°	1455.5	1467.7	1367.5	1189.1	914.4	724.8	479.5	372.4	315.2	300.6	303.0
65°	734.6	751.2	647.1	535.2	397.8	321.6	278.1	269.3	266.4	262.9	262.9
67.5°	290.8	295.7	291.8	273.2	254.1	247.3	245.3	244.4	240.9	239.0	239.5
70°	233.6	237.5	231.7	219.9	212.1	211.6	210.6	208.7	206.2	206.2	207.7
72.5°	190.6	194.5	186.2	178.9	173.0	168.6	166.2	164.7	161.3	161.3	162.7
75°	140.3	142.7	135.9	134.9	128.5	124.1	120.2	118.3	113.9	111.9	113.4
77.5°	93.3	92.9	89.4	89.4	87.0	81.6	77.2	72.8	67.0	63.0	64.0
80°	60.6	60.6	59.1	59.1	56.7	52.3	46.9	42.5	39.1	36.2	36.2
82.5°	38.6	38.1	37.6	37.1	36.2	31.8	27.9	24.9	22.5	20.5	21.0
85°	21.5	21.5	20.5	20.5	18.6	16.1	14.2	12.2	10.8	10.3	10.3
87.5°	7.3	7.3	6.8	6.8	5.9	4.4	3.4	2.9	2.4	2.0	2.4
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)