

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: P630437

Luminaire Tested: GWS-SA1D-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630437
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-SA1D-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 5393 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

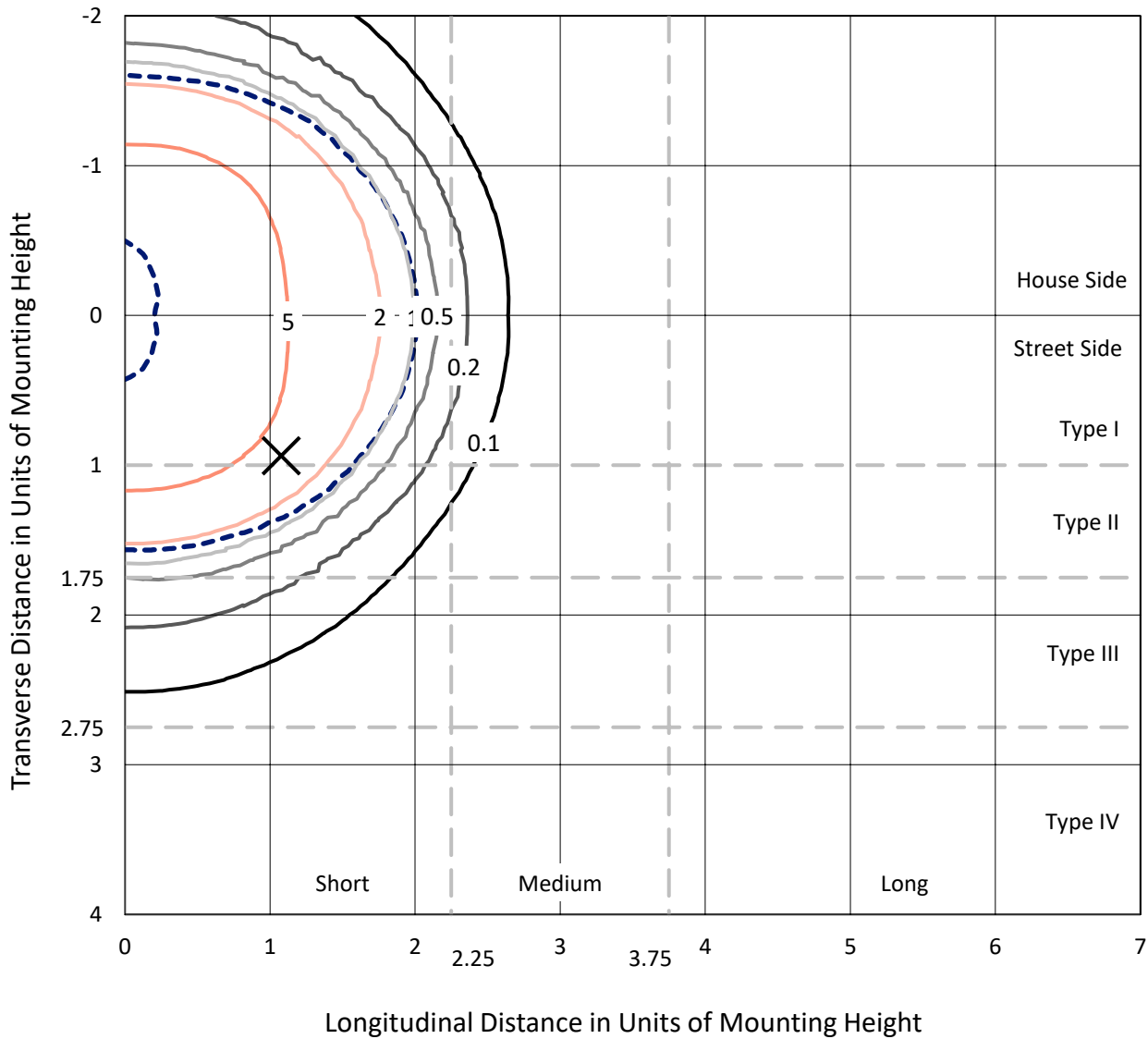
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

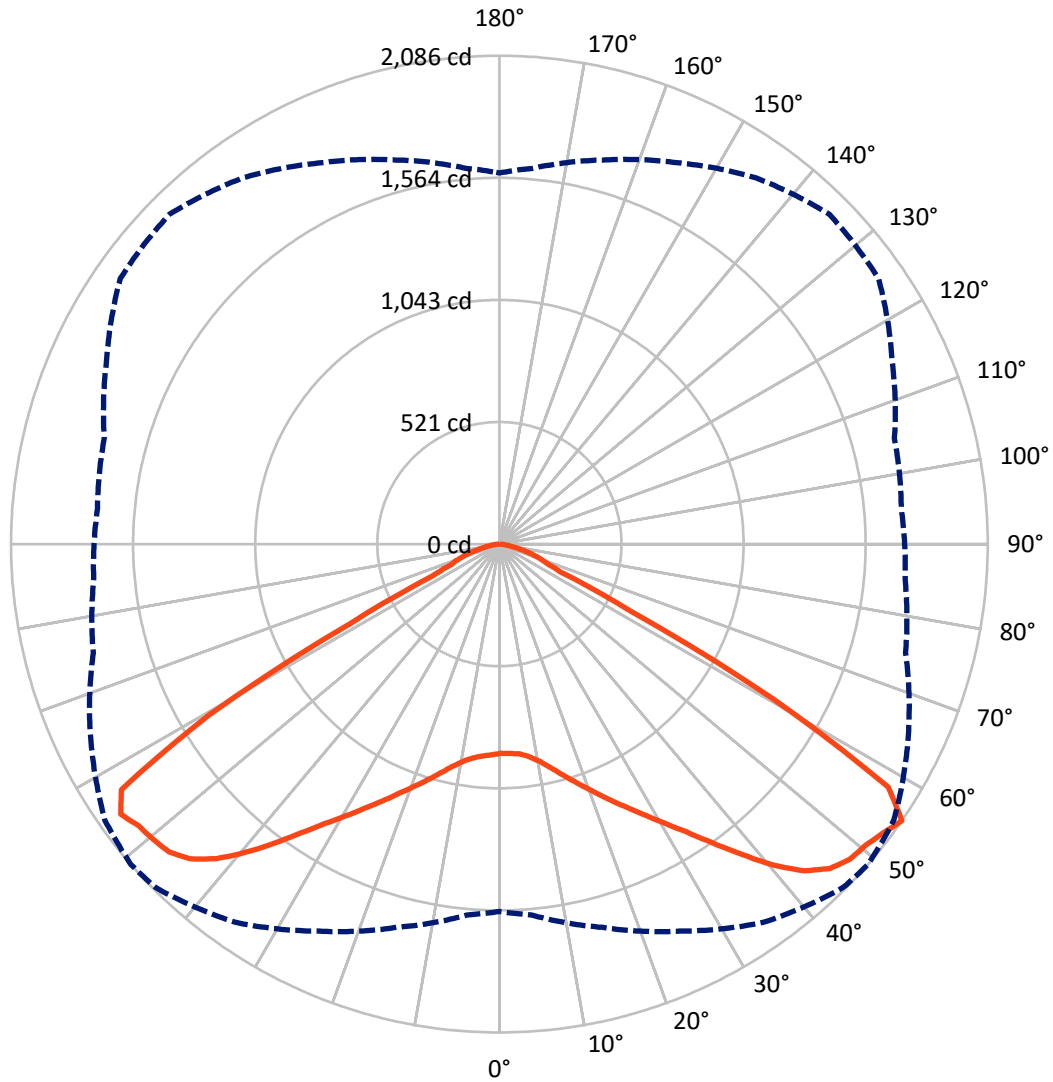
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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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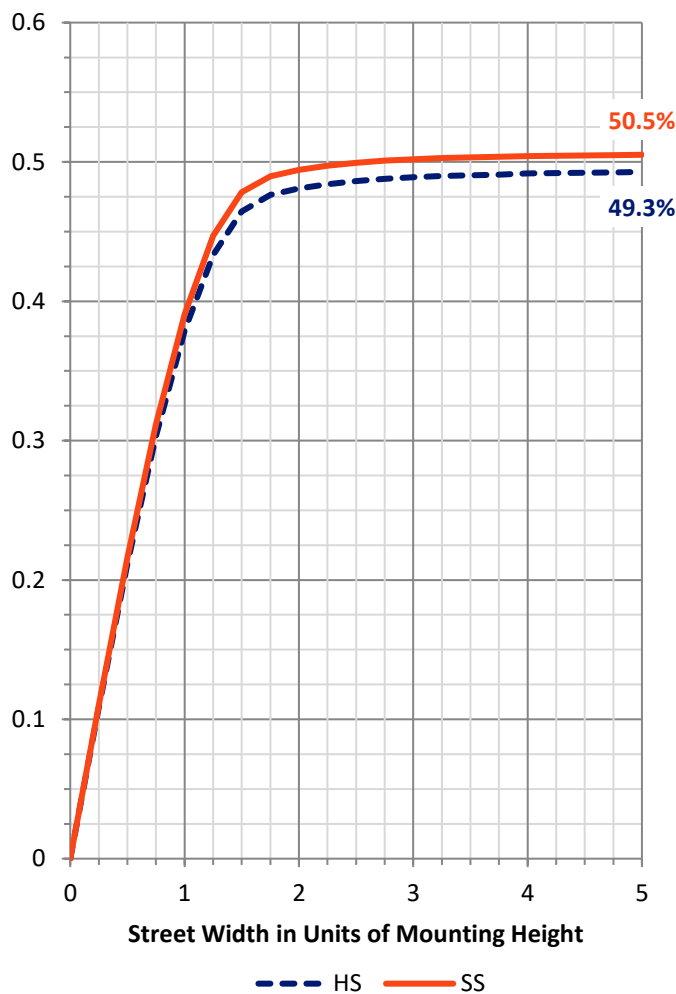
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2670.0	0.0	2670.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2723.0	0.0	2723.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	5393.0	0.0	5393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	1.6
10°-20°	287.5	5.3
20°-30°	547.5	10.2
30°-40°	928.2	17.2
40°-50°	1396.8	25.9
50°-60°	1529.0	28.4
60°-70°	483.5	9.0
70°-80°	116.0	2.2
80°-90°	17.4	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°	5393.0	100.0
0°-180°	5393.0	100.0

Coefficient of Utilization



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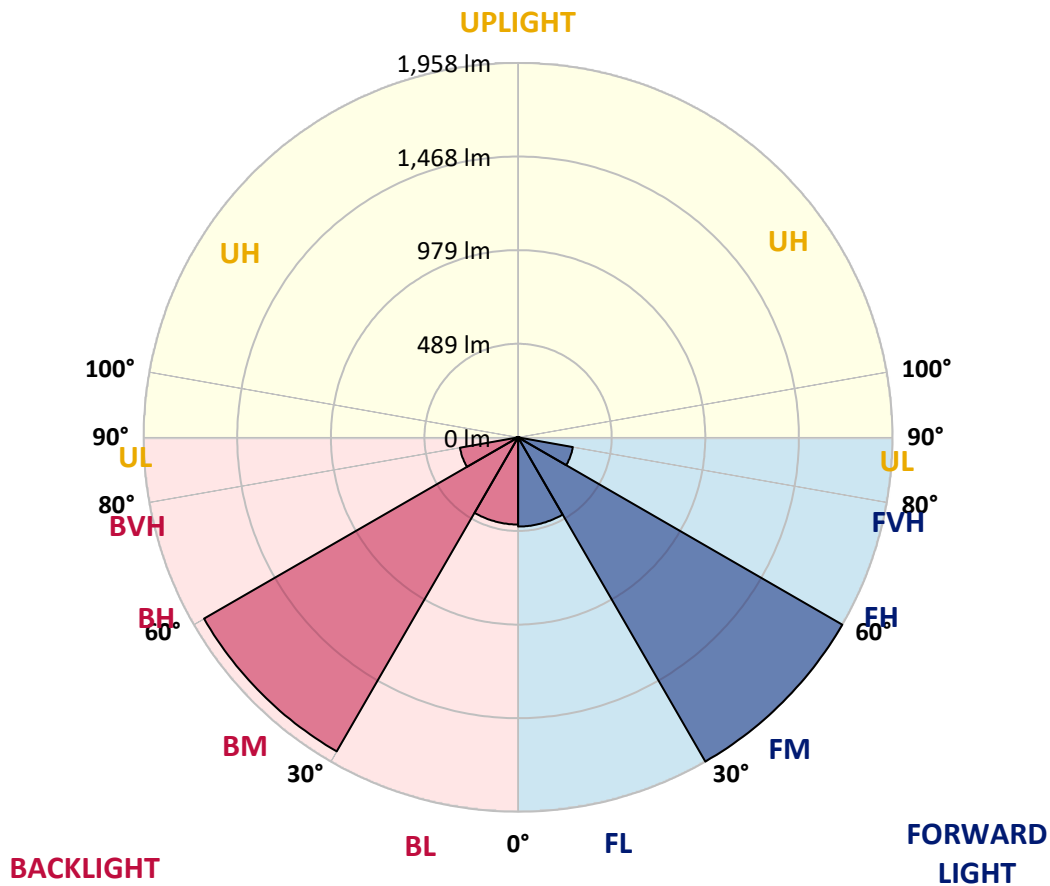
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.3	8.6			
FM (30°-60°)	1957.8	36.3			
FH (60°-80°)	290.8	5.4			G0/660
FVH (80°-90°)	8.1	0.1			G0/10
BL (0°-30°)	455.9	8.5	B1/500		
BM (30°-60°)	1896.2	35.2	B2/2500		
BH (60°-80°)	308.7	5.7	B1/500		G0/660
BVH (80°-90°)	9.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	880.2	881.1	882.9	885.9	889.0	893.4	895.1	897.3	896.9	899.5	899.5
5°	875.8	877.2	879.8	884.2	889.4	897.8	900.0	905.2	910.5	917.1	919.3
7.5°	881.1	882.9	885.9	892.9	900.8	911.8	916.2	925.0	935.0	946.9	951.7
10°	891.2	893.4	898.6	910.0	922.8	939.4	943.4	954.3	970.6	986.8	996.4
12.5°	902.6	906.1	915.8	933.7	952.6	974.5	980.7	994.3	1011.8	1032.9	1046.0
15°	915.8	918.8	933.7	959.2	988.6	1017.5	1024.5	1037.7	1057.4	1078.0	1096.4
17.5°	943.4	948.6	966.2	995.6	1029.8	1064.0	1071.9	1086.8	1102.6	1118.8	1136.4
20°	981.1	985.5	1007.9	1044.3	1084.6	1115.7	1123.6	1136.8	1144.2	1152.6	1167.5
22.5°	1018.8	1025.0	1050.4	1093.4	1140.7	1174.5	1180.7	1192.9	1187.7	1185.0	1194.7
25°	1065.7	1074.1	1099.1	1146.0	1194.2	1235.9	1240.7	1251.3	1242.5	1228.9	1228.5
27.5°	1124.1	1131.5	1157.4	1205.7	1253.5	1296.9	1306.1	1320.1	1300.8	1284.2	1272.3
30°	1193.4	1198.2	1226.7	1278.0	1327.1	1368.4	1380.2	1394.2	1379.8	1352.1	1340.3
32.5°	1274.1	1280.6	1313.5	1367.5	1411.3	1452.6	1464.4	1482.0	1466.2	1435.0	1420.1
35°	1371.0	1377.6	1412.2	1471.0	1515.7	1558.3	1566.6	1581.1	1561.3	1525.4	1513.5
37.5°	1476.3	1484.6	1528.4	1584.1	1631.1	1680.6	1681.1	1685.5	1657.4	1612.7	1599.5
40°	1594.7	1605.6	1649.5	1707.4	1764.0	1804.3	1803.9	1791.6	1744.2	1674.9	1654.8
42.5°	1711.8	1720.5	1764.8	1824.5	1881.1	1919.2	1907.8	1878.0	1809.6	1715.3	1688.5
45°	1796.4	1803.0	1849.5	1916.6	1974.0	1997.7	1977.1	1941.1	1848.6	1740.7	1701.2
47.5°	1836.3	1845.1	1892.0	1958.7	2023.6	2037.2	2012.6	1978.9	1871.4	1764.4	1711.3
50°	1814.8	1826.2	1879.3	1941.1	2014.4	2042.5	2024.9	1991.1	1895.5	1787.6	1729.3
52.5°	1759.1	1770.1	1837.2	1912.2	1995.1	2050.8	2050.4	2022.7	1923.2	1794.2	1730.2
55°	1568.8	1590.3	1694.7	1824.0	1971.4	2075.4	2085.9	2056.5	1927.5	1796.0	1739.4
57.5°	1021.0	1058.7	1157.8	1326.3	1621.9	1887.6	1958.7	1965.7	1896.0	1788.5	1741.2
60°	426.3	456.6	535.1	646.9	891.2	1207.4	1345.1	1483.3	1649.9	1710.5	1724.9
62.5°	264.9	267.5	275.4	300.9	382.4	536.8	625.4	754.8	1002.6	1213.5	1310.9
65°	239.0	240.3	242.1	240.3	244.3	263.1	286.8	332.0	432.9	537.7	662.3
67.5°	210.5	212.3	213.6	212.3	213.6	214.5	217.1	221.0	239.5	254.4	265.8
70°	170.2	172.8	175.0	174.1	179.4	179.4	182.0	185.1	194.3	205.3	213.1
72.5°	129.8	127.6	130.3	131.1	136.0	138.6	142.5	146.0	156.6	163.2	173.2
75°	84.2	82.0	86.0	88.2	94.7	98.2	101.8	105.3	112.7	117.1	126.7
77.5°	45.6	45.2	49.1	52.2	59.2	63.6	66.2	68.9	75.0	76.3	82.5
80°	26.3	26.3	28.9	31.1	35.5	40.3	43.0	45.2	49.6	50.9	53.5
82.5°	14.5	14.5	15.8	17.1	20.6	23.2	25.4	27.2	31.1	32.5	33.8
85°	7.0	6.6	7.5	8.3	9.6	11.0	12.3	13.2	16.2	17.1	18.9
87.5°	0.9	0.9	0.9	1.3	1.8	2.6	3.1	3.1	4.8	5.7	6.6
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°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	902.2	896.5	900.0	901.3	901.3	900.0	894.3	892.5	889.9	885.9	885.9
5°	922.3	917.9	918.8	916.6	911.4	904.8	894.3	889.0	884.6	879.8	879.3
7.5°	957.0	951.3	950.4	942.1	928.0	914.0	898.2	888.6	882.0	875.8	875.4
10°	1002.2	996.9	990.3	973.6	953.0	932.4	910.9	897.8	888.1	879.3	878.9
12.5°	1052.6	1046.4	1034.2	1009.6	983.7	963.6	939.0	918.8	904.3	892.5	890.3
15°	1107.4	1098.6	1077.6	1048.6	1023.2	1001.7	975.4	946.5	924.5	905.7	903.5
17.5°	1149.5	1138.1	1115.3	1088.1	1067.1	1045.6	1011.4	975.0	943.4	919.7	916.2
20°	1178.5	1169.2	1143.4	1123.2	1110.9	1092.1	1052.1	1010.9	975.4	945.6	943.8
22.5°	1205.2	1194.2	1168.8	1157.0	1157.0	1144.2	1106.1	1057.4	1015.7	981.1	976.7
25°	1235.5	1223.6	1204.3	1203.0	1209.2	1203.5	1157.4	1105.2	1056.5	1017.5	1010.5
27.5°	1277.6	1264.4	1253.0	1260.9	1269.7	1263.5	1212.2	1151.7	1100.4	1060.9	1054.8
30°	1344.7	1328.5	1317.9	1327.6	1344.7	1326.7	1271.0	1207.0	1155.2	1111.8	1108.7
32.5°	1422.7	1404.3	1393.4	1408.7	1424.1	1396.0	1340.7	1279.3	1224.9	1179.3	1174.1
35°	1516.6	1493.4	1477.1	1497.7	1513.5	1485.9	1431.1	1372.7	1312.2	1264.9	1257.8
37.5°	1599.9	1571.9	1560.9	1589.8	1610.9	1592.9	1533.3	1478.4	1412.2	1360.5	1357.4
40°	1660.5	1632.8	1624.9	1672.7	1709.6	1705.2	1651.7	1589.0	1526.7	1467.0	1461.3
42.5°	1686.8	1667.5	1669.2	1733.7	1790.7	1818.8	1771.0	1703.9	1643.8	1582.0	1578.0
45°	1692.5	1680.6	1694.7	1775.4	1850.4	1907.8	1867.0	1810.9	1742.9	1683.3	1681.5
47.5°	1698.6	1692.0	1713.5	1799.0	1888.1	1954.7	1931.9	1874.0	1805.2	1746.9	1742.5
50°	1713.1	1710.5	1734.6	1815.7	1906.1	1967.5	1941.6	1884.1	1813.5	1756.1	1745.5
52.5°	1717.5	1713.1	1747.7	1841.6	1935.9	1967.0	1911.3	1836.3	1765.3	1701.2	1690.3
55°	1731.1	1723.2	1746.9	1851.2	1977.1	1992.5	1909.6	1797.3	1698.2	1610.9	1585.0
57.5°	1734.6	1725.8	1741.2	1835.4	1932.4	1918.8	1678.4	1450.4	1263.5	1166.6	1177.6
60°	1715.7	1718.3	1692.0	1681.5	1549.9	1368.4	1027.6	821.5	645.1	570.6	586.8
62.5°	1306.1	1317.0	1227.1	1067.1	820.6	650.4	430.2	334.2	282.9	269.7	271.9
65°	659.2	674.1	580.7	480.2	357.0	288.6	249.6	241.7	239.0	236.0	236.0
67.5°	261.0	265.3	261.8	245.2	228.1	221.9	220.2	219.3	216.2	214.5	214.9
70°	209.6	213.1	207.9	197.4	190.3	189.9	189.0	187.3	185.1	185.1	186.4
72.5°	171.0	174.6	167.1	160.5	155.3	151.3	149.1	147.8	144.7	144.7	146.0
75°	125.9	128.1	121.9	121.0	115.3	111.4	107.9	106.1	102.2	100.4	101.8
77.5°	83.8	83.3	80.3	80.3	78.1	73.2	69.3	65.3	60.1	56.6	57.5
80°	54.4	54.4	53.1	53.1	50.9	46.9	42.1	38.2	35.1	32.5	32.5
82.5°	34.6	34.2	33.8	33.3	32.5	28.5	25.0	22.4	20.2	18.4	18.9
85°	19.3	19.3	18.4	18.4	16.7	14.5	12.7	11.0	9.6	9.2	9.2
87.5°	6.6	6.6	6.1	6.1	5.3	3.9	3.1	2.6	2.2	1.8	2.2
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)