

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: P631867

Luminaire Tested: GWS-SA2B-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631867
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-SA2B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6223.1 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

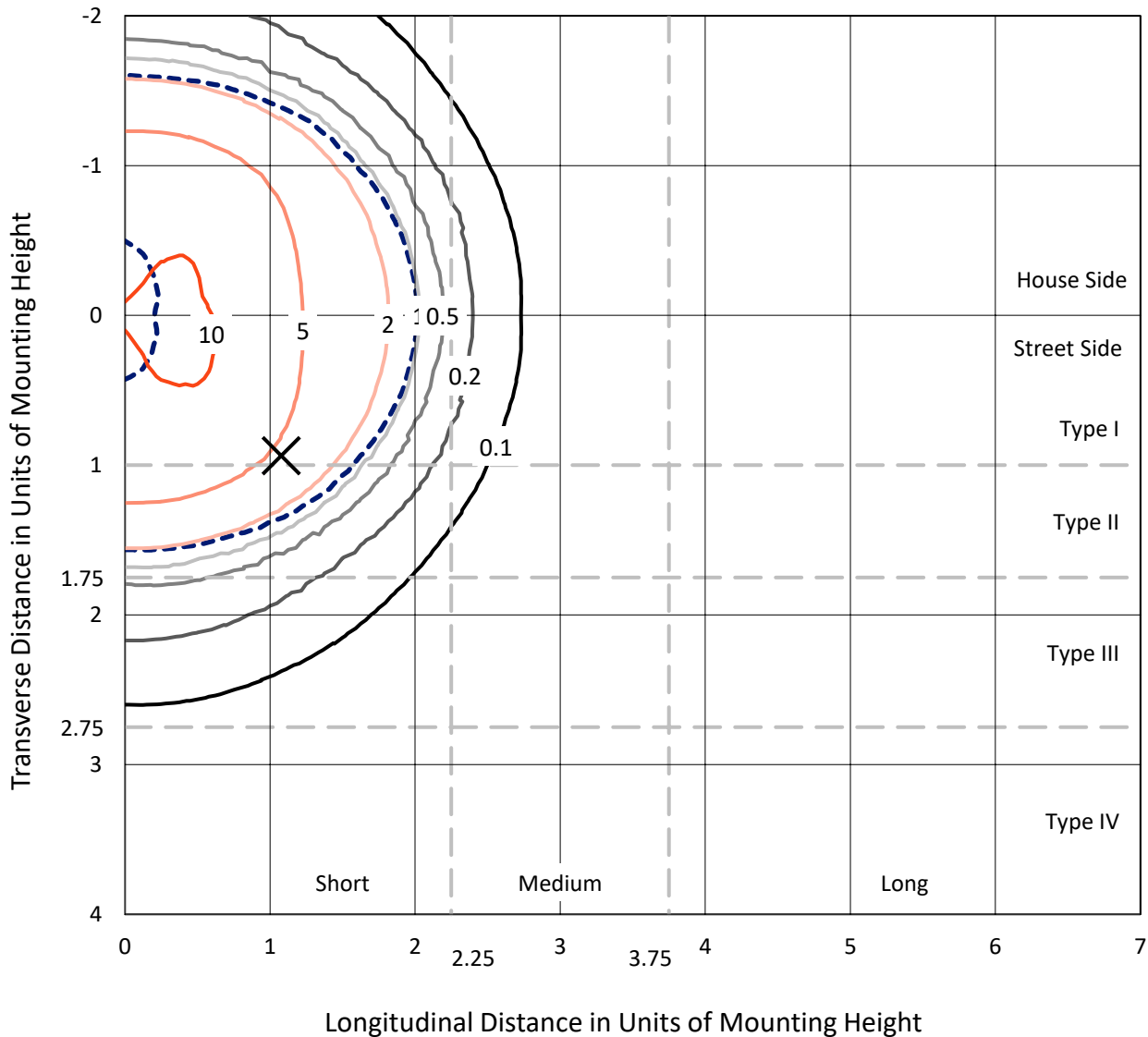
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

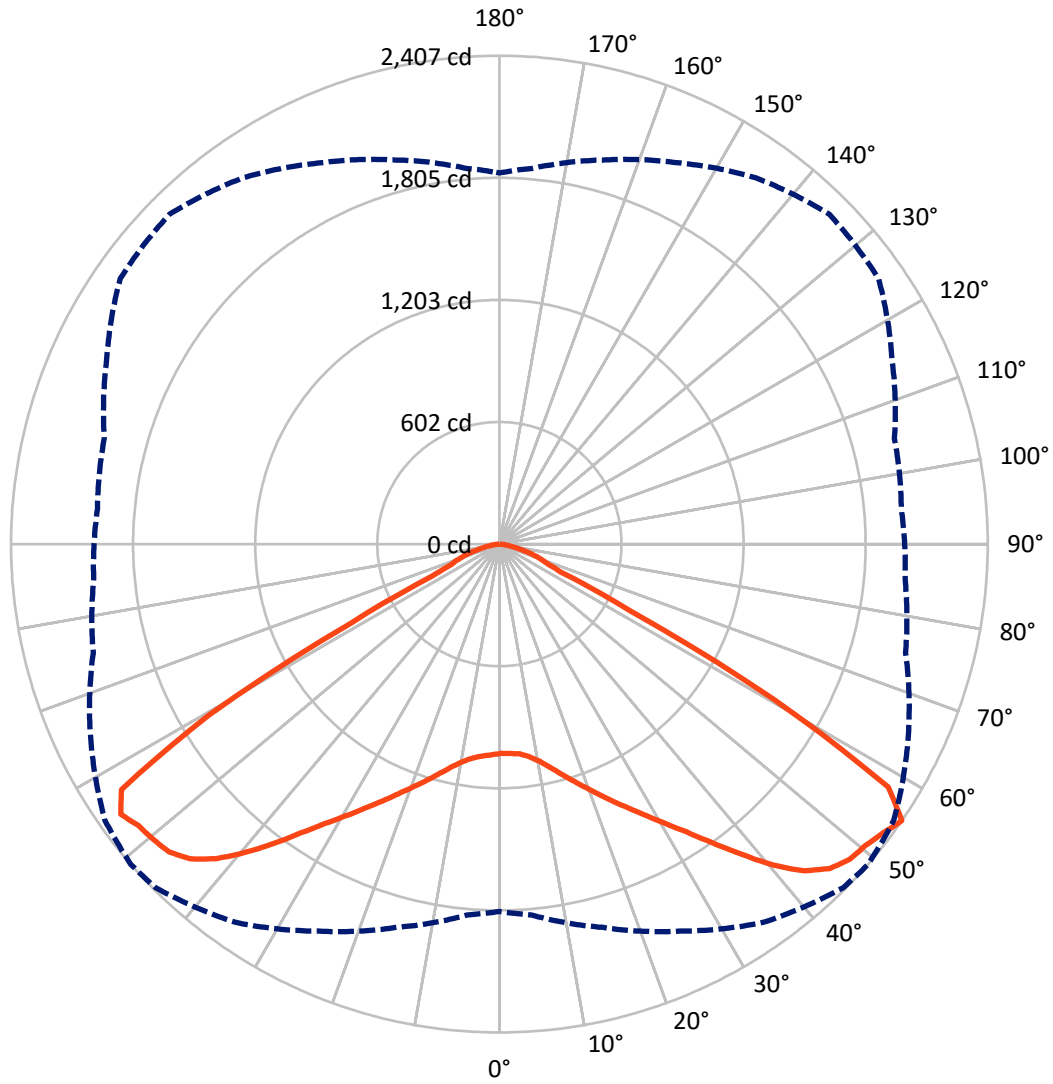
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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	3081.0	0.0	3081.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3142.1	0.0	3142.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	6223.1	0.0	6223.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	1.6
10°-20°	331.7	5.3
20°-30°	631.8	10.2
30°-40°	1071.0	17.2
40°-50°	1611.8	25.9
50°-60°	1764.3	28.4
60°-70°	557.9	9.0
70°-80°	133.9	2.2
80°-90°	20.1	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°	6223.1	100.0
0°-180°	6223.1	100.0

Coefficient of Utilization



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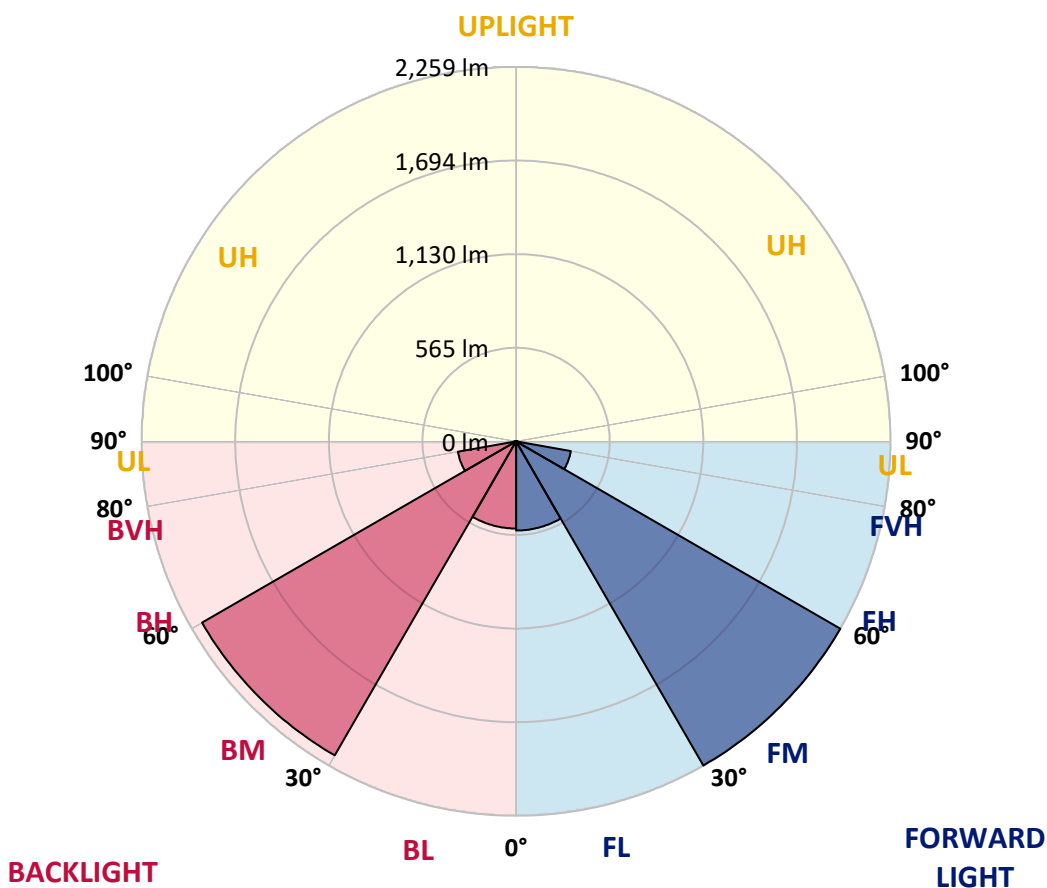
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.0	8.6			
FM (30°-60°)	2259.2	36.3			
FH (60°-80°)	335.6	5.4			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	526.0	8.5	B2/1000		
BM (30°-60°)	2188.0	35.2	B2/2500		
BH (60°-80°)	356.2	5.7	B1/500		G0/660
BVH (80°-90°)	10.8	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°	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9
2.5°	1015.7	1016.7	1018.7	1022.3	1025.8	1030.9	1032.9	1035.4	1034.9	1038.0	1038.0
5°	1010.7	1012.2	1015.2	1020.3	1026.3	1036.0	1038.5	1044.6	1050.6	1058.2	1060.8
7.5°	1016.7	1018.7	1022.3	1030.4	1039.5	1052.1	1057.2	1067.3	1079.0	1092.6	1098.2
10°	1028.4	1030.9	1037.0	1050.1	1064.8	1084.0	1088.6	1101.2	1120.0	1138.7	1149.8
12.5°	1041.5	1045.6	1056.7	1077.5	1099.2	1124.5	1131.6	1147.3	1167.5	1191.8	1207.0
15°	1056.7	1060.2	1077.5	1106.8	1140.7	1174.1	1182.2	1197.4	1220.2	1244.0	1265.2
17.5°	1088.6	1094.7	1114.9	1148.8	1188.3	1227.8	1236.9	1254.1	1272.3	1291.0	1311.3
20°	1132.1	1137.2	1163.0	1205.0	1251.5	1287.5	1296.6	1311.8	1320.4	1330.0	1347.2
22.5°	1175.6	1182.7	1212.1	1261.7	1316.3	1355.3	1362.4	1376.6	1370.5	1367.4	1378.6
25°	1229.8	1239.4	1268.2	1322.4	1378.1	1426.1	1431.7	1443.9	1433.7	1418.0	1417.5
27.5°	1297.1	1305.7	1335.6	1391.2	1446.4	1496.5	1507.1	1523.3	1501.0	1481.8	1468.2
30°	1377.1	1382.6	1415.5	1474.7	1531.4	1579.0	1592.6	1608.8	1592.1	1560.3	1546.6
32.5°	1470.2	1477.8	1515.7	1578.0	1628.6	1676.2	1689.8	1710.1	1691.8	1655.9	1638.7
35°	1582.0	1589.6	1629.6	1697.4	1749.0	1798.1	1807.7	1824.4	1801.7	1760.2	1746.5
37.5°	1703.5	1713.1	1763.7	1828.0	1882.1	1939.3	1939.8	1944.9	1912.5	1860.9	1845.7
40°	1840.1	1852.8	1903.4	1970.2	2035.5	2082.0	2081.5	2067.4	2012.7	1932.7	1909.5
42.5°	1975.2	1985.4	2036.5	2105.3	2170.6	2214.6	2201.5	2167.1	2088.1	1979.3	1948.4
45°	2072.9	2080.5	2134.2	2211.6	2277.9	2305.2	2281.4	2239.9	2133.1	2008.6	1963.1
47.5°	2119.0	2129.1	2183.2	2260.2	2335.1	2350.8	2322.4	2283.5	2159.5	2036.0	1974.7
50°	2094.2	2107.3	2168.6	2239.9	2324.4	2356.8	2336.6	2297.6	2187.3	2062.8	1995.5
52.5°	2029.9	2042.6	2120.0	2206.5	2302.2	2366.5	2365.9	2334.1	2219.2	2070.4	1996.5
55°	1810.3	1835.1	1955.5	2104.8	2274.9	2394.8	2406.9	2373.0	2224.2	2072.4	2007.1
57.5°	1178.2	1221.7	1336.1	1530.4	1871.5	2178.2	2260.2	2268.3	2187.8	2063.8	2009.2
60°	491.9	526.8	617.4	746.5	1028.4	1393.3	1552.2	1711.6	1903.9	1973.7	1990.4
62.5°	305.7	308.7	317.8	347.2	441.3	619.4	721.7	871.0	1156.9	1400.3	1512.7
65°	275.8	277.3	279.4	277.3	281.9	303.7	331.0	383.1	499.5	620.5	764.2
67.5°	242.9	244.9	246.5	244.9	246.5	247.5	250.5	255.1	276.3	293.5	306.7
70°	196.4	199.4	201.9	200.9	207.0	207.0	210.0	213.6	224.2	236.8	246.0
72.5°	149.8	147.3	150.3	151.3	156.9	159.9	164.5	168.5	180.7	188.3	199.9
75°	97.2	94.6	99.2	101.7	109.3	113.4	117.4	121.5	130.1	135.1	146.3
77.5°	52.6	52.1	56.7	60.2	68.3	73.4	76.4	79.5	86.5	88.1	95.1
80°	30.4	30.4	33.4	35.9	41.0	46.6	49.6	52.1	57.2	58.7	61.7
82.5°	16.7	16.7	18.2	19.7	23.8	26.8	29.4	31.4	35.9	37.5	39.0
85°	8.1	7.6	8.6	9.6	11.1	12.7	14.2	15.2	18.7	19.7	21.8
87.5°	1.0	1.0	1.0	1.5	2.0	3.0	3.5	3.5	5.6	6.6	7.6
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°	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9	1030.9
2.5°	1041.0	1034.4	1038.5	1040.0	1040.0	1038.5	1031.9	1029.9	1026.8	1022.3	1022.3
5°	1064.3	1059.2	1060.2	1057.7	1051.6	1044.1	1031.9	1025.8	1020.8	1015.2	1014.7
7.5°	1104.3	1097.7	1096.7	1087.1	1070.9	1054.7	1036.5	1025.3	1017.7	1010.7	1010.1
10°	1156.4	1150.3	1142.7	1123.5	1099.7	1075.9	1051.1	1036.0	1024.8	1014.7	1014.2
12.5°	1214.6	1207.5	1193.3	1165.0	1135.1	1111.9	1083.5	1060.2	1043.5	1029.9	1027.4
15°	1277.9	1267.7	1243.4	1210.0	1180.7	1155.9	1125.5	1092.1	1066.8	1045.1	1042.5
17.5°	1326.4	1313.3	1287.0	1255.6	1231.3	1206.5	1167.0	1125.0	1088.6	1061.3	1057.2
20°	1359.8	1349.2	1319.4	1296.1	1281.9	1260.2	1214.1	1166.5	1125.5	1091.1	1089.1
22.5°	1390.7	1378.1	1348.7	1335.1	1335.1	1320.4	1276.3	1220.2	1172.1	1132.1	1127.1
25°	1425.6	1412.0	1389.7	1388.2	1395.3	1388.7	1335.6	1275.3	1219.2	1174.1	1166.0
27.5°	1474.2	1459.0	1445.9	1455.0	1465.1	1458.0	1398.8	1329.0	1269.8	1224.2	1217.1
30°	1551.7	1532.9	1520.8	1531.9	1551.7	1530.9	1466.6	1392.7	1333.0	1282.9	1279.4
32.5°	1641.7	1620.5	1607.8	1625.5	1643.3	1610.9	1547.1	1476.2	1413.5	1360.9	1354.8
35°	1750.0	1723.2	1704.5	1728.3	1746.5	1714.6	1651.4	1584.0	1514.2	1459.5	1451.5
37.5°	1846.2	1813.8	1801.2	1834.6	1858.8	1838.1	1769.3	1706.0	1629.6	1569.9	1566.3
40°	1916.0	1884.2	1875.0	1930.2	1972.7	1967.7	1905.9	1833.5	1761.7	1692.9	1686.3
42.5°	1946.4	1924.1	1926.2	2000.6	2066.3	2098.7	2043.6	1966.1	1896.8	1825.4	1820.9
45°	1953.0	1939.3	1955.5	2048.6	2135.2	2201.5	2154.4	2089.6	2011.2	1942.4	1940.3
47.5°	1960.1	1952.5	1977.3	2076.0	2178.7	2255.6	2229.3	2162.5	2083.0	2015.7	2010.7
50°	1976.8	1973.7	2001.6	2095.2	2199.4	2270.3	2240.4	2174.1	2092.7	2026.4	2014.2
52.5°	1981.8	1976.8	2016.7	2125.0	2233.9	2269.8	2205.5	2119.0	2037.0	1963.1	1950.4
55°	1997.5	1988.4	2015.7	2136.2	2281.4	2299.1	2203.5	2073.9	1959.6	1858.8	1829.0
57.5°	2001.6	1991.4	2009.2	2118.0	2229.8	2214.1	1936.8	1673.6	1458.0	1346.2	1358.8
60°	1979.8	1982.8	1952.5	1940.3	1788.5	1579.0	1185.8	947.9	744.5	658.4	677.1
62.5°	1507.1	1519.8	1416.0	1231.3	946.9	750.5	496.5	385.6	326.4	311.2	313.8
65°	760.6	777.9	670.1	554.2	412.0	333.0	288.0	278.9	275.8	272.3	272.3
67.5°	301.1	306.2	302.1	282.9	263.2	256.1	254.1	253.0	249.5	247.5	248.0
70°	241.9	246.0	239.9	227.7	219.6	219.1	218.1	216.1	213.6	213.6	215.1
72.5°	197.4	201.4	192.8	185.2	179.2	174.6	172.1	170.6	167.0	167.0	168.5
75°	145.2	147.8	140.7	139.7	133.1	128.5	124.5	122.5	117.9	115.9	117.4
77.5°	96.7	96.2	92.6	92.6	90.1	84.5	80.0	75.4	69.3	65.3	66.3
80°	62.8	62.8	61.2	61.2	58.7	54.2	48.6	44.0	40.5	37.5	37.5
82.5°	40.0	39.5	39.0	38.5	37.5	32.9	28.8	25.8	23.3	21.3	21.8
85°	22.3	22.3	21.3	21.3	19.2	16.7	14.7	12.7	11.1	10.6	10.6
87.5°	7.6	7.6	7.1	7.1	6.1	4.6	3.5	3.0	2.5	2.0	2.5
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)