

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: P630767

Luminaire Tested: GWS-SA1E-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630767
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-SA1E-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6588.4 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

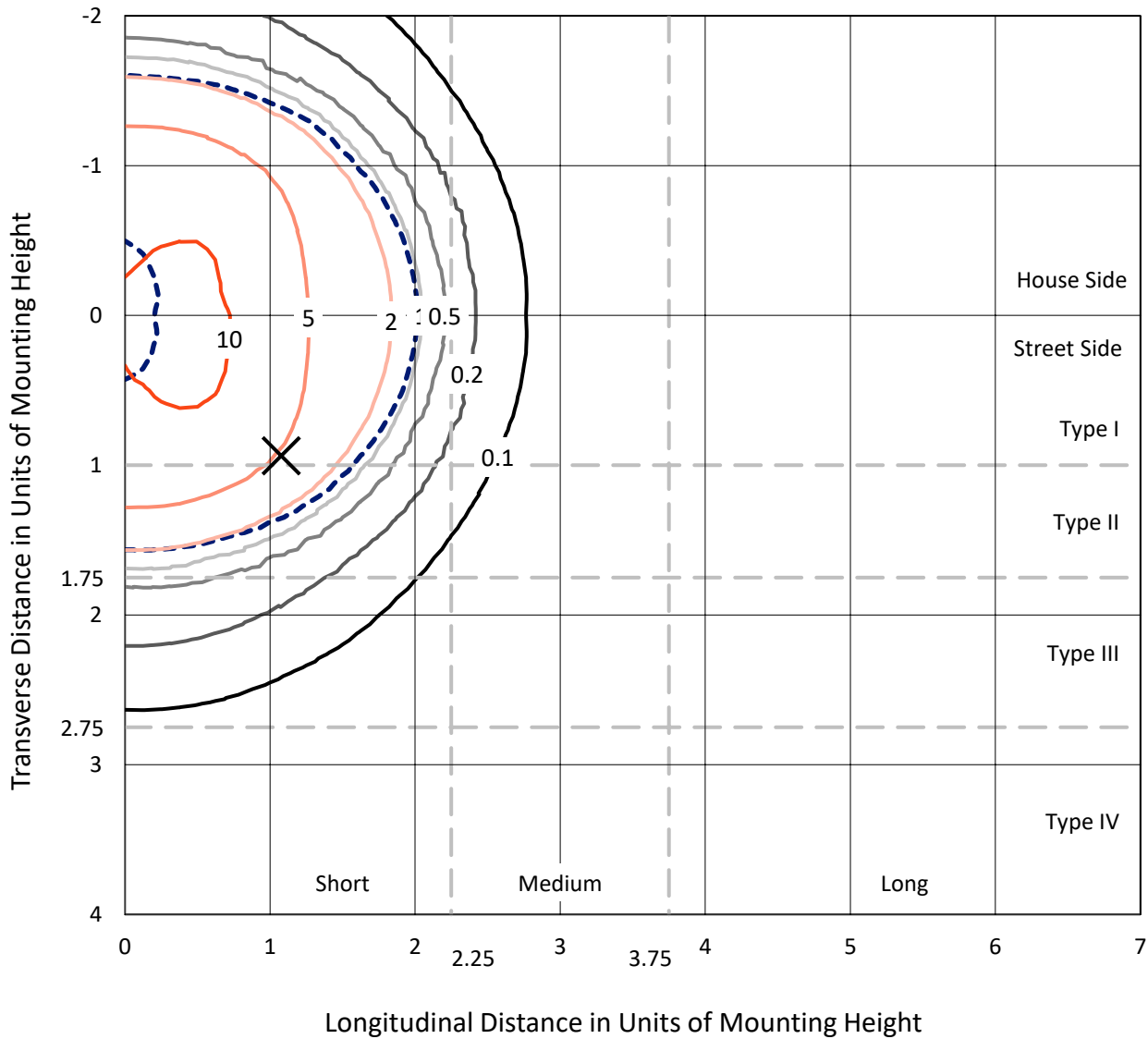
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

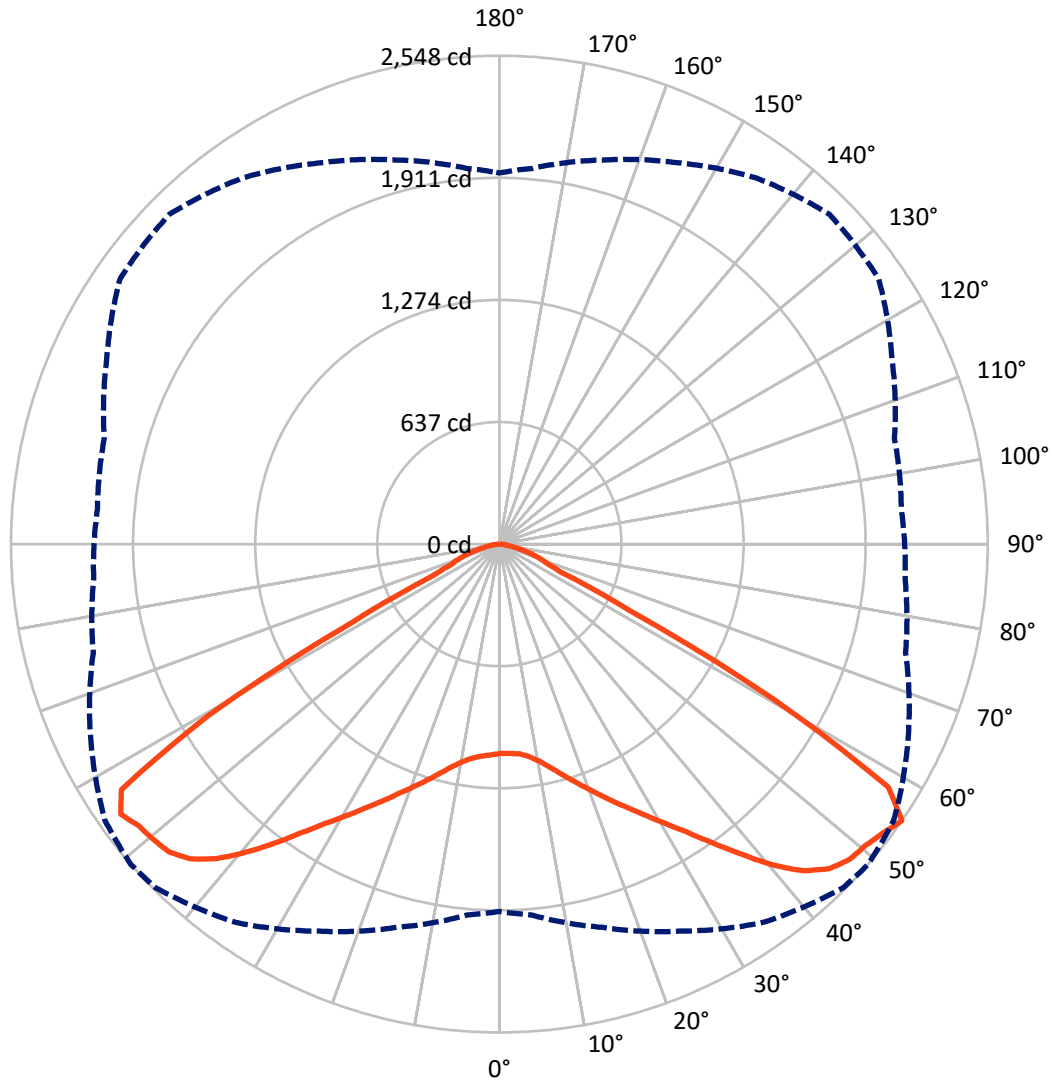
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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	3261.9	0.0	3261.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3326.5	0.0	3326.5
	% Fixture	50.5	0.0	50.5
Total	Lumens	6588.4	0.0	6588.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	1.6
10°-20°	351.2	5.3
20°-30°	668.9	10.2
30°-40°	1133.9	17.2
40°-50°	1706.4	25.9
50°-60°	1867.9	28.4
60°-70°	590.6	9.0
70°-80°	141.7	2.2
80°-90°	21.3	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°	6588.4	100.0
0°-180°	6588.4	100.0

Coefficient of Utilization



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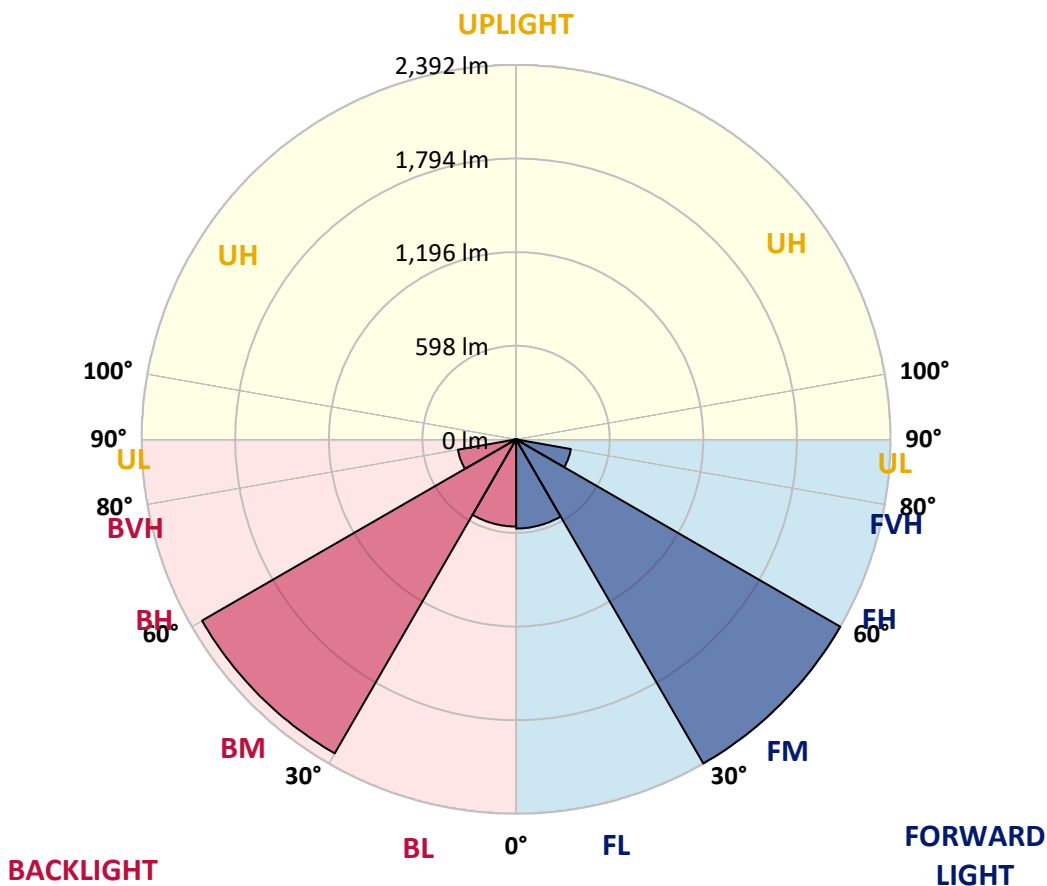
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	569.6	8.6			
FM (30°-60°)	2391.8	36.3			
FH (60°-80°)	355.3	5.4			G0/660
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	556.9	8.5	B2/1000		
BM (30°-60°)	2316.5	35.2	B2/2500		
BH (60°-80°)	377.1	5.7	B1/500		G0/660
BVH (80°-90°)	11.4	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°	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4
2.5°	1075.3	1076.4	1078.5	1082.3	1086.1	1091.4	1093.6	1096.2	1095.7	1098.9	1098.9
5°	1070.0	1071.6	1074.8	1080.2	1086.6	1096.8	1099.4	1105.9	1112.3	1120.3	1123.0
7.5°	1076.4	1078.5	1082.3	1090.9	1100.5	1113.9	1119.3	1130.0	1142.3	1156.8	1162.7
10°	1088.7	1091.4	1097.8	1111.8	1127.3	1147.7	1152.5	1165.9	1185.7	1205.5	1217.3
12.5°	1102.7	1106.9	1118.7	1140.7	1163.7	1190.5	1198.0	1214.6	1236.1	1261.8	1277.9
15°	1118.7	1122.5	1140.7	1171.8	1207.7	1243.0	1251.6	1267.7	1291.8	1317.0	1339.5
17.5°	1152.5	1158.9	1180.3	1216.2	1258.0	1299.8	1309.5	1327.7	1347.0	1366.8	1388.2
20°	1198.6	1203.9	1231.3	1275.7	1325.0	1363.1	1372.7	1388.8	1397.9	1408.1	1426.3
22.5°	1244.6	1252.1	1283.2	1335.7	1393.6	1434.9	1442.4	1457.4	1450.9	1447.7	1459.5
25°	1302.0	1312.2	1342.7	1400.0	1459.0	1509.9	1515.8	1528.6	1517.9	1501.3	1500.8
27.5°	1373.2	1382.3	1414.0	1472.9	1531.3	1584.3	1595.6	1612.7	1589.2	1568.8	1554.3
30°	1457.9	1463.8	1498.6	1561.3	1621.3	1671.7	1686.1	1703.3	1685.6	1651.8	1637.4
32.5°	1556.5	1564.5	1604.7	1670.6	1724.2	1774.5	1789.0	1810.4	1791.2	1753.1	1734.9
35°	1674.9	1682.9	1725.3	1797.0	1851.7	1903.7	1913.8	1931.5	1907.4	1863.5	1849.0
37.5°	1803.5	1813.7	1867.2	1935.3	1992.6	2053.2	2053.7	2059.0	2024.8	1970.1	1954.0
40°	1948.1	1961.5	2015.1	2085.8	2155.0	2204.2	2203.7	2188.7	2130.8	2046.2	2021.5
42.5°	2091.2	2101.9	2156.0	2228.9	2298.0	2344.6	2330.7	2294.3	2210.7	2095.5	2062.8
45°	2194.6	2202.6	2259.4	2341.4	2411.6	2440.5	2415.4	2371.4	2258.4	2126.6	2078.3
47.5°	2243.4	2254.1	2311.4	2392.8	2472.1	2488.8	2458.7	2417.5	2286.2	2155.5	2090.7
50°	2217.1	2231.0	2295.9	2371.4	2460.9	2495.2	2473.8	2432.5	2315.7	2183.9	2112.6
52.5°	2149.1	2162.5	2244.4	2336.1	2437.3	2505.4	2504.8	2471.1	2349.4	2191.9	2113.7
55°	1916.5	1942.8	2070.3	2228.4	2408.4	2535.4	2548.2	2512.3	2354.8	2194.1	2125.0
57.5°	1247.3	1293.4	1414.5	1620.2	1981.4	2306.0	2392.8	2401.4	2316.2	2185.0	2127.1
60°	520.8	557.8	653.7	790.3	1088.7	1475.0	1643.3	1812.0	2015.6	2089.6	2107.3
62.5°	323.6	326.8	336.5	367.6	467.2	655.8	764.0	922.1	1224.8	1482.5	1601.5
65°	292.0	293.6	295.8	293.6	298.4	321.5	350.4	405.6	528.8	656.9	809.0
67.5°	257.2	259.3	260.9	259.3	260.9	262.0	265.2	270.0	292.5	310.8	324.7
70°	207.9	211.1	213.8	212.7	219.1	219.1	222.4	226.1	237.4	250.8	260.4
72.5°	158.6	155.9	159.1	160.2	166.1	169.3	174.1	178.4	191.3	199.3	211.6
75°	102.9	100.2	105.0	107.7	115.7	120.0	124.3	128.6	137.7	143.1	154.8
77.5°	55.7	55.2	60.0	63.8	72.3	77.7	80.9	84.1	91.6	93.2	100.7
80°	32.1	32.1	35.4	38.0	43.4	49.3	52.5	55.2	60.5	62.2	65.4
82.5°	17.7	17.7	19.3	20.9	25.2	28.4	31.1	33.2	38.0	39.6	41.3
85°	8.6	8.0	9.1	10.2	11.8	13.4	15.0	16.1	19.8	20.9	23.0
87.5°	1.1	1.1	1.1	1.6	2.1	3.2	3.8	3.8	5.9	7.0	8.0
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°	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4	1091.4
2.5°	1102.1	1095.2	1099.4	1101.1	1101.1	1099.4	1092.5	1090.3	1087.1	1082.3	1082.3
5°	1126.8	1121.4	1122.5	1119.8	1113.4	1105.3	1092.5	1086.1	1080.7	1074.8	1074.3
7.5°	1169.1	1162.1	1161.1	1150.9	1133.7	1116.6	1097.3	1085.5	1077.5	1070.0	1069.4
10°	1224.3	1217.9	1209.8	1189.5	1164.3	1139.1	1112.8	1096.8	1085.0	1074.3	1073.7
12.5°	1285.9	1278.4	1263.4	1233.4	1201.8	1177.1	1147.1	1122.5	1104.8	1090.3	1087.7
15°	1352.9	1342.2	1316.4	1281.1	1250.0	1223.7	1191.6	1156.2	1129.4	1106.4	1103.7
17.5°	1404.3	1390.4	1362.5	1329.3	1303.6	1277.3	1235.5	1191.1	1152.5	1123.6	1119.3
20°	1439.7	1428.4	1396.8	1372.2	1357.2	1334.1	1285.4	1235.0	1191.6	1155.2	1153.0
22.5°	1472.4	1459.0	1427.9	1413.4	1413.4	1397.9	1351.3	1291.8	1240.9	1198.6	1193.2
25°	1509.3	1494.9	1471.3	1469.7	1477.2	1470.2	1414.0	1350.2	1290.7	1243.0	1234.5
27.5°	1560.8	1544.7	1530.8	1540.4	1551.1	1543.6	1480.9	1407.0	1344.3	1296.1	1288.6
30°	1642.7	1622.9	1610.1	1621.8	1642.7	1620.8	1552.7	1474.5	1411.3	1358.2	1354.5
32.5°	1738.1	1715.6	1702.2	1721.0	1739.7	1705.4	1637.9	1562.9	1496.5	1440.7	1434.3
35°	1852.8	1824.4	1804.5	1829.7	1849.0	1815.3	1748.3	1677.0	1603.1	1545.2	1536.7
37.5°	1954.6	1920.3	1906.9	1942.2	1968.0	1946.0	1873.1	1806.2	1725.3	1662.0	1658.3
40°	2028.5	1994.8	1985.1	2043.5	2088.5	2083.2	2017.8	1941.2	1865.1	1792.2	1785.3
42.5°	2060.7	2037.1	2039.2	2118.0	2187.6	2221.9	2163.5	2081.6	2008.1	1932.6	1927.8
45°	2067.6	2053.2	2070.3	2168.9	2260.5	2330.7	2280.9	2212.3	2129.2	2056.4	2054.2
47.5°	2075.1	2067.1	2093.3	2197.8	2306.6	2388.0	2360.2	2289.4	2205.3	2134.1	2128.7
50°	2092.8	2089.6	2119.1	2218.2	2328.6	2403.6	2372.0	2301.8	2215.5	2145.3	2132.5
52.5°	2098.2	2092.8	2135.1	2249.8	2365.0	2403.0	2335.0	2243.4	2156.6	2078.3	2064.9
55°	2114.8	2105.1	2134.1	2261.6	2415.4	2434.1	2332.8	2195.7	2074.6	1968.0	1936.4
57.5°	2119.1	2108.3	2127.1	2242.3	2360.7	2344.1	2050.5	1771.9	1543.6	1425.2	1438.6
60°	2096.0	2099.2	2067.1	2054.2	1893.5	1671.7	1255.4	1003.5	788.2	697.1	716.9
62.5°	1595.6	1609.0	1499.1	1303.6	1002.5	794.6	525.6	408.3	345.6	329.5	332.2
65°	805.3	823.5	709.4	586.7	436.1	352.6	304.9	295.2	292.0	288.3	288.3
67.5°	318.8	324.2	319.9	299.5	278.6	271.1	269.0	267.9	264.1	262.0	262.5
70°	256.1	260.4	254.0	241.1	232.5	232.0	230.9	228.8	226.1	226.1	227.7
72.5°	209.0	213.2	204.1	196.1	189.7	184.8	182.2	180.6	176.8	176.8	178.4
75°	153.8	156.5	149.0	147.9	140.9	136.1	131.8	129.7	124.8	122.7	124.3
77.5°	102.3	101.8	98.0	98.0	95.4	89.5	84.7	79.8	73.4	69.1	70.2
80°	66.4	66.4	64.8	64.8	62.2	57.3	51.4	46.6	42.9	39.6	39.6
82.5°	42.3	41.8	41.3	40.7	39.6	34.8	30.5	27.3	24.6	22.5	23.0
85°	23.6	23.6	22.5	22.5	20.4	17.7	15.5	13.4	11.8	11.3	11.3
87.5°	8.0	8.0	7.5	7.5	6.4	4.8	3.8	3.2	2.7	2.1	2.7
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)