

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: P634067

Luminaire Tested: GWS-SA3B-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634067
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-SA3B-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6754 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

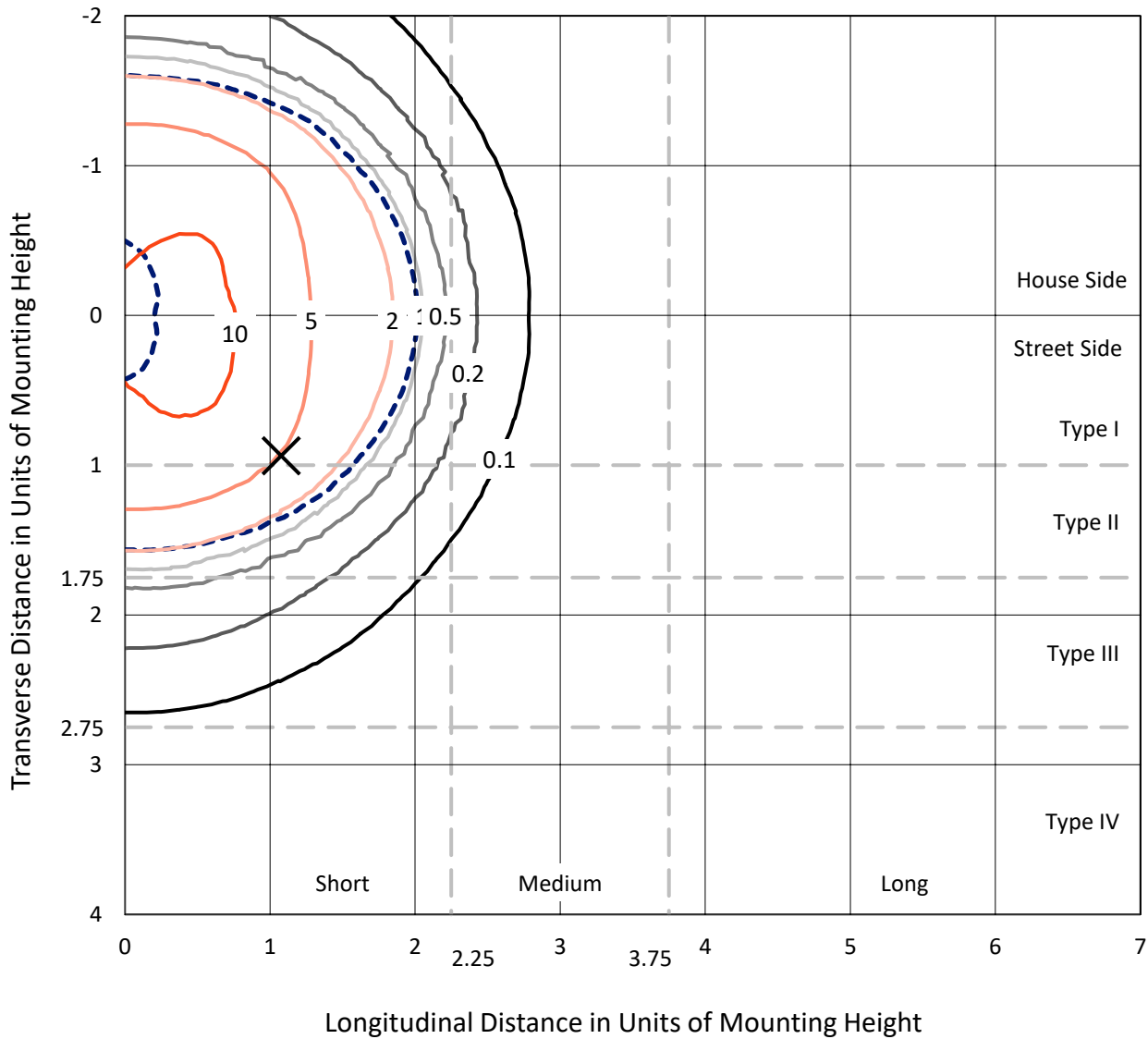
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

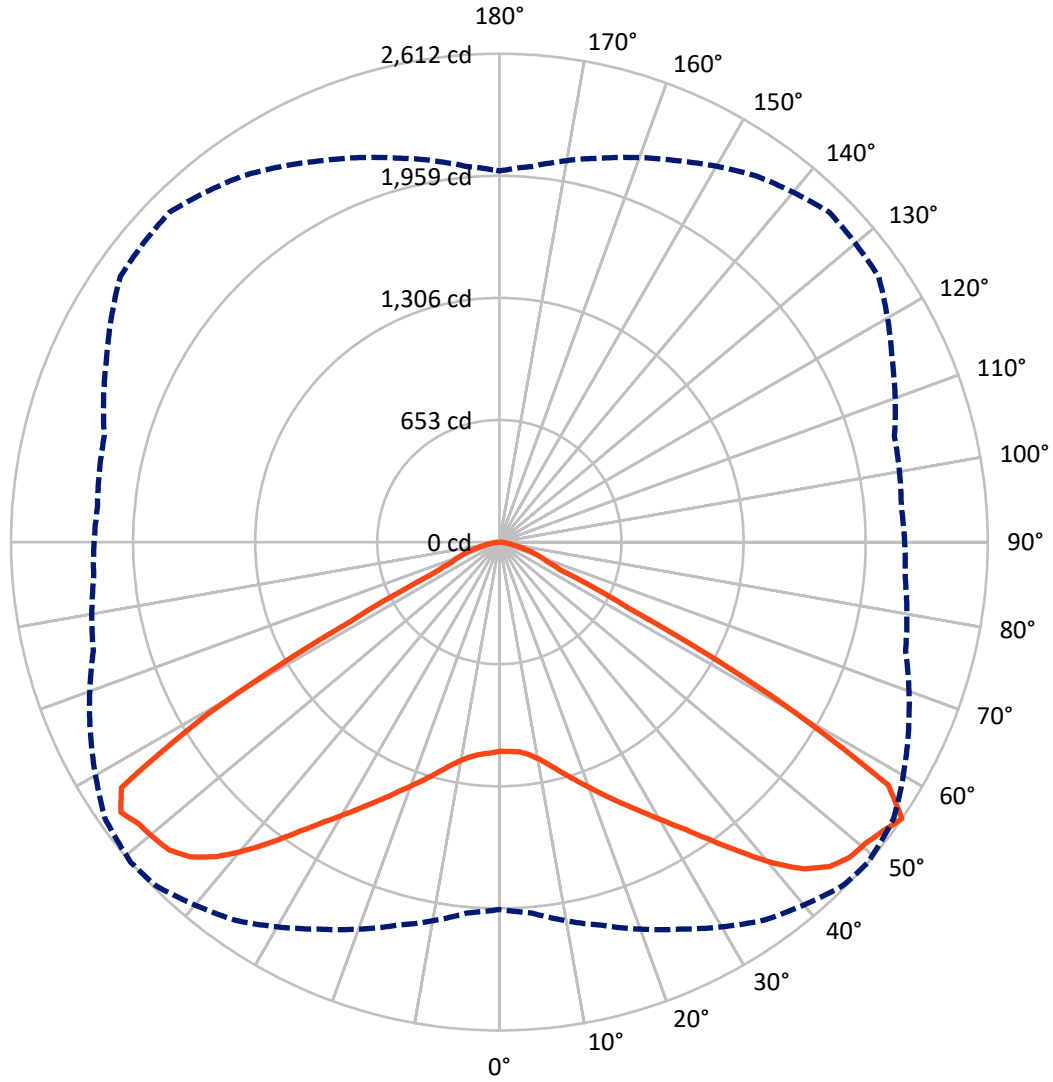
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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	3343.9	0.0	3343.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3410.1	0.0	3410.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	6754.0	0.0	6754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	1.6
10°-20°	360.0	5.3
20°-30°	685.7	10.2
30°-40°	1162.4	17.2
40°-50°	1749.3	25.9
50°-60°	1914.8	28.4
60°-70°	605.5	9.0
70°-80°	145.3	2.2
80°-90°	21.8	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°	6754.0	100.0
0°-180°	6754.0	100.0

Coefficient of Utilization



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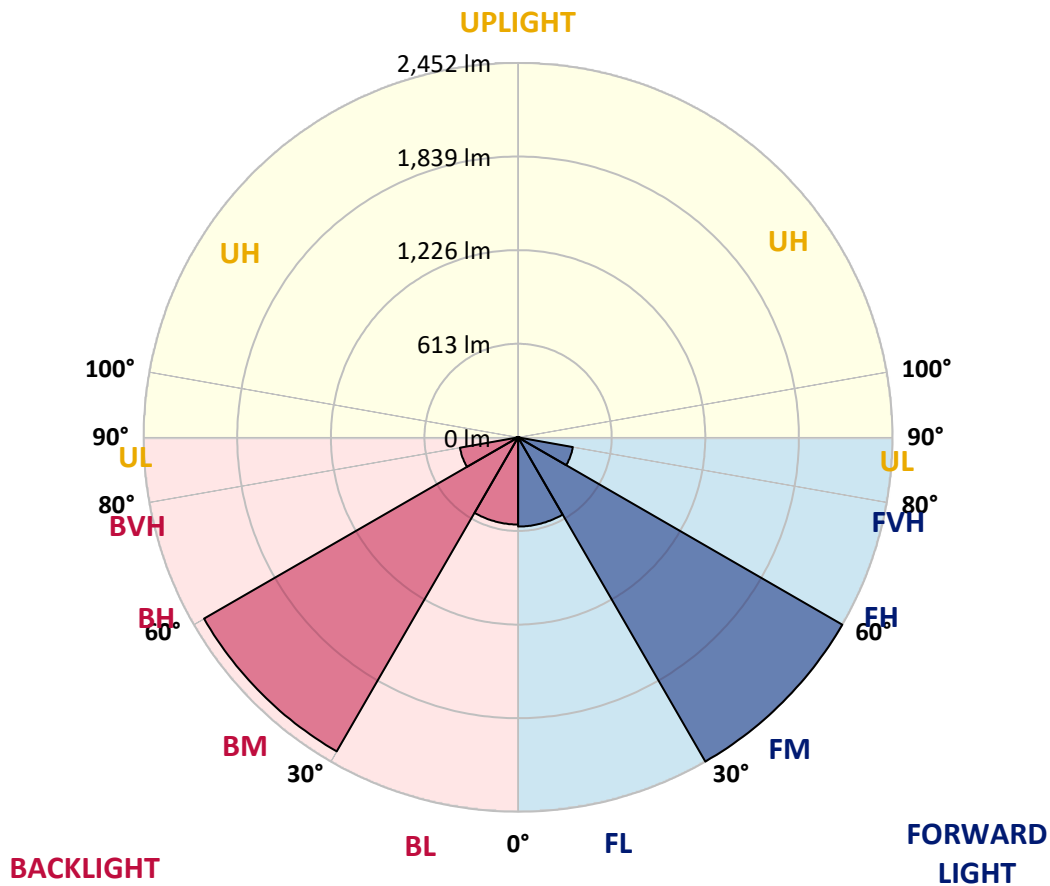
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.9	8.6			
FM (30°-60°)	2451.9	36.3			
FH (60°-80°)	364.2	5.4			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	570.9	8.5	B2/1000		
BM (30°-60°)	2374.7	35.2	B2/2500		
BH (60°-80°)	386.6	5.7	B1/500		G0/660
BVH (80°-90°)	11.7	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°	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1102.4	1103.5	1105.7	1109.5	1113.3	1118.8	1121.0	1123.8	1123.2	1126.5	1126.5
5°	1096.9	1098.5	1101.8	1107.3	1113.9	1124.3	1127.1	1133.7	1140.3	1148.5	1151.2
7.5°	1103.5	1105.7	1109.5	1118.3	1128.2	1141.9	1147.4	1158.4	1171.0	1185.9	1191.9
10°	1116.1	1118.8	1125.4	1139.7	1155.6	1176.5	1181.5	1195.2	1215.5	1235.8	1247.9
12.5°	1130.4	1134.8	1146.9	1169.4	1193.0	1220.5	1228.1	1245.2	1267.1	1293.5	1310.0
15°	1146.9	1150.7	1169.4	1201.2	1238.0	1274.3	1283.1	1299.5	1324.3	1350.1	1373.1
17.5°	1181.5	1188.0	1210.0	1246.8	1289.7	1332.5	1342.4	1361.1	1380.8	1401.2	1423.1
20°	1228.7	1234.2	1262.2	1307.8	1358.3	1397.3	1407.2	1423.7	1433.0	1443.5	1462.1
22.5°	1275.9	1283.6	1315.5	1369.3	1428.6	1470.9	1478.6	1494.0	1487.4	1484.1	1496.2
25°	1334.7	1345.1	1376.4	1435.2	1495.6	1547.8	1553.9	1567.0	1556.1	1539.0	1538.5
27.5°	1407.8	1417.1	1449.5	1509.9	1569.8	1624.2	1635.7	1653.3	1629.1	1608.2	1593.4
30°	1494.5	1500.6	1536.3	1600.5	1662.1	1713.7	1728.5	1746.1	1728.0	1693.4	1678.5
32.5°	1595.6	1603.8	1645.0	1712.6	1767.5	1819.1	1834.0	1855.9	1836.2	1797.2	1778.5
35°	1717.0	1725.2	1768.6	1842.2	1898.2	1951.5	1962.0	1980.1	1955.4	1910.3	1895.5
37.5°	1848.8	1859.2	1914.2	1983.9	2042.7	2104.8	2105.3	2110.8	2075.7	2019.6	2003.1
40°	1997.1	2010.8	2065.8	2138.3	2209.1	2259.7	2259.1	2243.7	2184.4	2097.6	2072.4
42.5°	2143.8	2154.7	2210.2	2284.9	2355.8	2403.6	2389.3	2351.9	2266.2	2148.2	2114.6
45°	2249.8	2258.0	2316.2	2400.3	2472.2	2501.9	2476.1	2431.0	2315.1	2180.0	2130.6
47.5°	2299.7	2310.7	2369.5	2453.0	2534.3	2551.3	2520.6	2478.3	2343.7	2209.7	2143.2
50°	2272.8	2287.1	2353.6	2431.0	2522.7	2557.9	2535.9	2493.6	2373.9	2238.8	2165.7
52.5°	2203.1	2216.8	2300.8	2394.8	2498.6	2568.3	2567.8	2533.2	2408.5	2247.0	2166.8
55°	1964.7	1991.6	2122.3	2284.4	2468.9	2599.1	2612.3	2575.5	2414.0	2249.2	2178.4
57.5°	1278.7	1325.9	1450.0	1661.0	2031.2	2364.0	2453.0	2461.8	2374.4	2239.9	2180.6
60°	533.9	571.8	670.1	810.2	1116.1	1512.1	1684.6	1857.6	2066.3	2142.1	2160.2
62.5°	331.8	335.0	344.9	376.8	479.0	672.3	783.2	945.3	1255.6	1519.8	1641.7
65°	299.3	301.0	303.2	301.0	305.9	329.6	359.2	415.8	542.1	673.4	829.4
67.5°	263.6	265.8	267.5	265.8	267.5	268.6	271.9	276.8	299.9	318.6	332.9
70°	213.1	216.4	219.2	218.1	224.6	224.6	227.9	231.8	243.3	257.1	266.9
72.5°	162.6	159.8	163.1	164.2	170.3	173.6	178.5	182.9	196.1	204.3	217.0
75°	105.5	102.7	107.7	110.4	118.6	123.0	127.4	131.8	141.2	146.7	158.7
77.5°	57.1	56.6	61.5	65.4	74.1	79.6	82.9	86.2	93.9	95.6	103.3
80°	33.0	33.0	36.3	39.0	44.5	50.5	53.8	56.6	62.1	63.7	67.0
82.5°	18.1	18.1	19.8	21.4	25.8	29.1	31.9	34.1	39.0	40.6	42.3
85°	8.8	8.2	9.3	10.4	12.1	13.7	15.4	16.5	20.3	21.4	23.6
87.5°	1.1	1.1	1.1	1.6	2.2	3.3	3.8	3.8	6.0	7.1	8.2
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°	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1129.8	1122.7	1127.1	1128.7	1128.7	1127.1	1119.9	1117.7	1114.4	1109.5	1109.5
5°	1155.1	1149.6	1150.7	1148.0	1141.4	1133.1	1119.9	1113.3	1107.9	1101.8	1101.3
7.5°	1198.5	1191.3	1190.2	1179.8	1162.2	1144.7	1124.9	1112.8	1104.6	1096.9	1096.3
10°	1255.1	1248.5	1240.2	1219.4	1193.5	1167.7	1140.8	1124.3	1112.2	1101.3	1100.7
12.5°	1318.2	1310.5	1295.2	1264.4	1232.0	1206.7	1176.0	1150.7	1132.6	1117.7	1115.0
15°	1386.9	1375.9	1349.5	1313.3	1281.4	1254.5	1221.6	1185.3	1157.8	1134.2	1131.5
17.5°	1439.6	1425.3	1396.8	1362.7	1336.3	1309.4	1266.6	1221.0	1181.5	1151.8	1147.4
20°	1475.9	1464.3	1431.9	1406.7	1391.3	1367.7	1317.7	1266.0	1221.6	1184.2	1182.0
22.5°	1509.4	1495.6	1463.8	1448.9	1448.9	1433.0	1385.2	1324.3	1272.1	1228.7	1223.2
25°	1547.3	1532.4	1508.3	1506.6	1514.3	1507.2	1449.5	1384.1	1323.2	1274.3	1265.5
27.5°	1600.0	1583.5	1569.2	1579.1	1590.1	1582.4	1518.2	1442.4	1378.1	1328.7	1321.0
30°	1684.0	1663.7	1650.5	1662.6	1684.0	1661.5	1591.8	1511.6	1446.7	1392.4	1388.5
32.5°	1781.8	1758.7	1745.0	1764.2	1783.4	1748.3	1679.1	1602.2	1534.1	1477.0	1470.4
35°	1899.3	1870.2	1849.9	1875.7	1895.5	1860.9	1792.2	1719.2	1643.4	1584.1	1575.3
37.5°	2003.7	1968.5	1954.8	1991.1	2017.4	1994.9	1920.2	1851.6	1768.6	1703.8	1700.0
40°	2079.5	2044.9	2035.0	2094.9	2141.0	2135.5	2068.5	1990.0	1912.0	1837.3	1830.1
42.5°	2112.5	2088.3	2090.5	2171.2	2242.6	2277.8	2217.9	2133.9	2058.6	1981.2	1976.2
45°	2119.6	2104.8	2122.3	2223.4	2317.3	2389.3	2338.2	2267.9	2182.8	2108.1	2105.9
47.5°	2127.3	2119.0	2146.0	2253.1	2364.6	2448.0	2419.5	2347.0	2260.8	2187.7	2182.2
50°	2145.4	2142.1	2172.3	2273.9	2387.1	2464.0	2431.6	2359.6	2271.2	2199.2	2186.1
52.5°	2150.9	2145.4	2188.8	2306.3	2424.4	2463.4	2393.7	2299.7	2210.8	2130.6	2116.8
55°	2167.9	2158.0	2187.7	2318.4	2476.1	2495.3	2391.5	2250.9	2126.7	2017.4	1985.0
57.5°	2172.3	2161.3	2180.6	2298.6	2420.0	2403.0	2102.0	1816.4	1582.4	1461.0	1474.8
60°	2148.7	2152.0	2119.0	2105.9	1941.1	1713.7	1286.9	1028.8	808.0	714.6	734.9
62.5°	1635.7	1649.4	1536.8	1336.3	1027.7	814.6	538.8	418.5	354.3	337.8	340.5
65°	825.5	844.2	727.2	601.4	447.1	361.4	312.5	302.6	299.3	295.5	295.5
67.5°	326.8	332.3	327.9	307.0	285.6	277.9	275.7	274.6	270.8	268.6	269.1
70°	262.5	266.9	260.3	247.2	238.4	237.8	236.7	234.5	231.8	231.8	233.4
72.5°	214.2	218.6	209.3	201.0	194.4	189.5	186.7	185.1	181.3	181.3	182.9
75°	157.6	160.4	152.7	151.6	144.5	139.5	135.1	132.9	128.0	125.8	127.4
77.5°	104.9	104.4	100.5	100.5	97.8	91.7	86.8	81.8	75.2	70.9	72.0
80°	68.1	68.1	66.5	66.5	63.7	58.8	52.7	47.8	43.9	40.6	40.6
82.5°	43.4	42.8	42.3	41.7	40.6	35.7	31.3	28.0	25.3	23.1	23.6
85°	24.2	24.2	23.1	23.1	20.9	18.1	15.9	13.7	12.1	11.5	11.5
87.5°	8.2	8.2	7.7	7.7	6.6	4.9	3.8	3.3	2.7	2.2	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)