

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: P634097

Luminaire Tested: GWS-SA3B-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

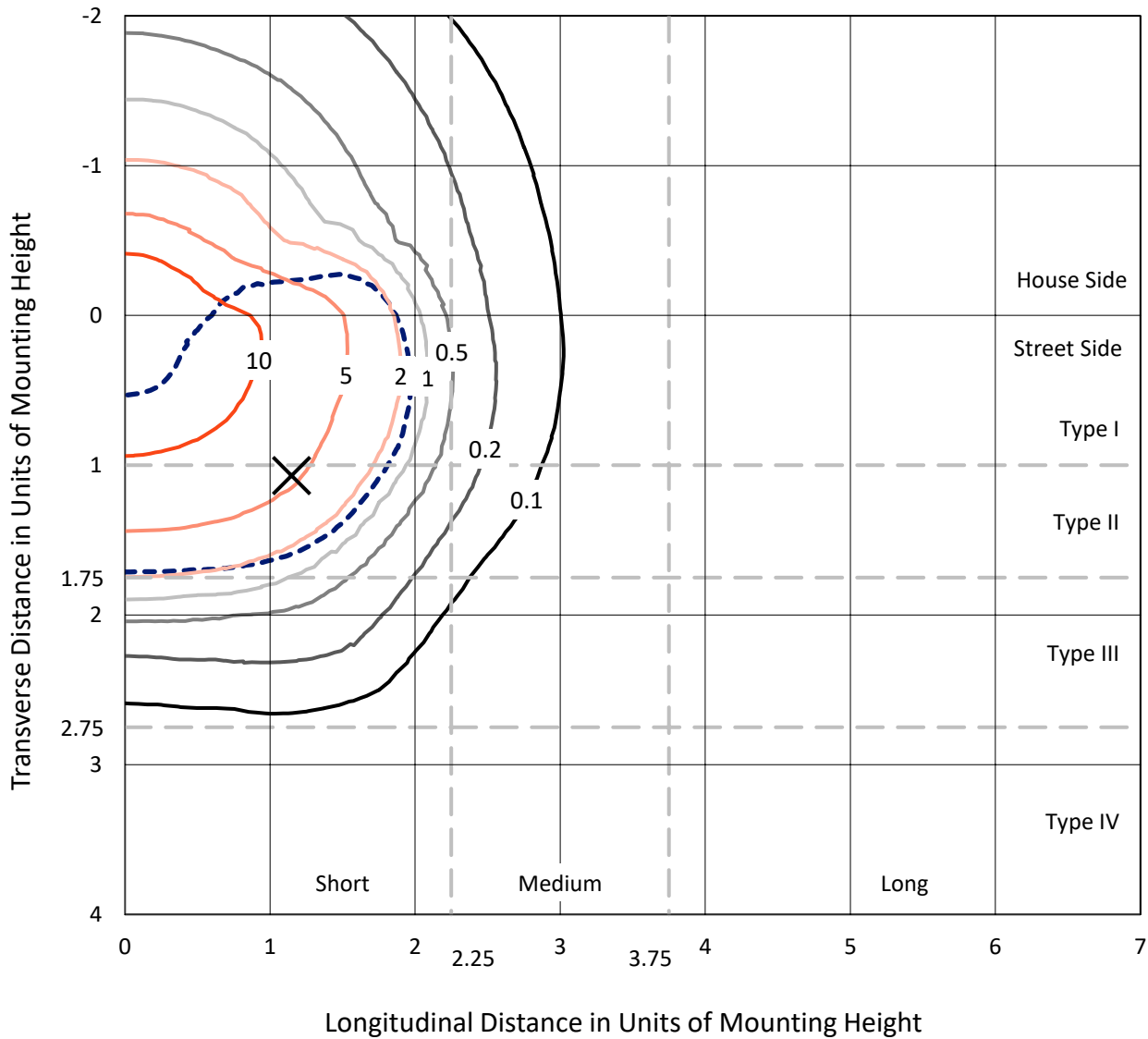
Lumens per Lamp: N/A  
Luminaire Lumens: 6539.3 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

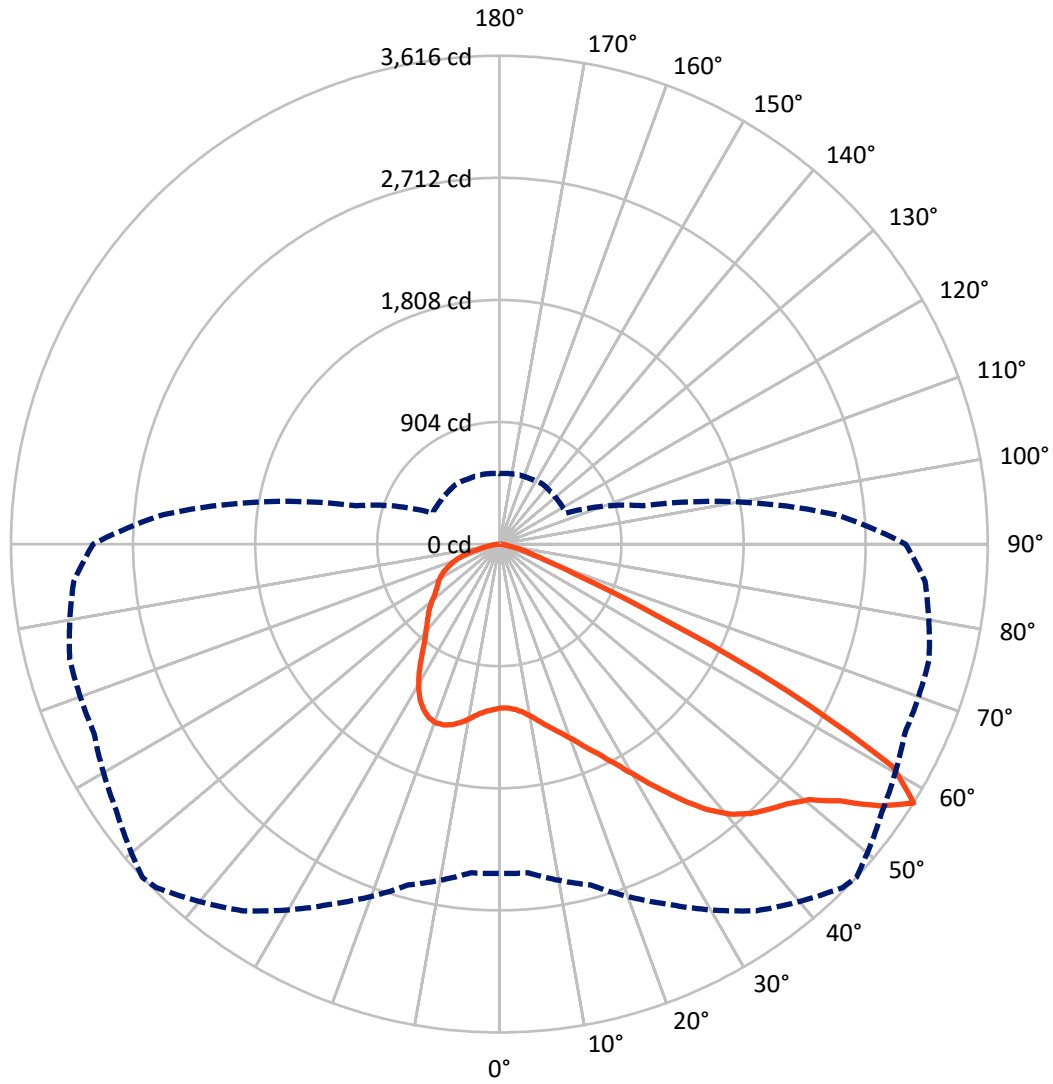
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2069.7	0.0	2069.7
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	4469.6	0.0	4469.6
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	6539.3	0.0	6539.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	1.8
10°-20°	393.4	6.0
20°-30°	708.4	10.8
30°-40°	1069.9	16.4
40°-50°	1440.8	22.0
50°-60°	1731.3	26.5
60°-70°	843.2	12.9
70°-80°	207.7	3.2
80°-90°	25.0	0.4
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°	6539.3	100.0
0°-180°	6539.3	100.0

**Coefficient of Utilization**



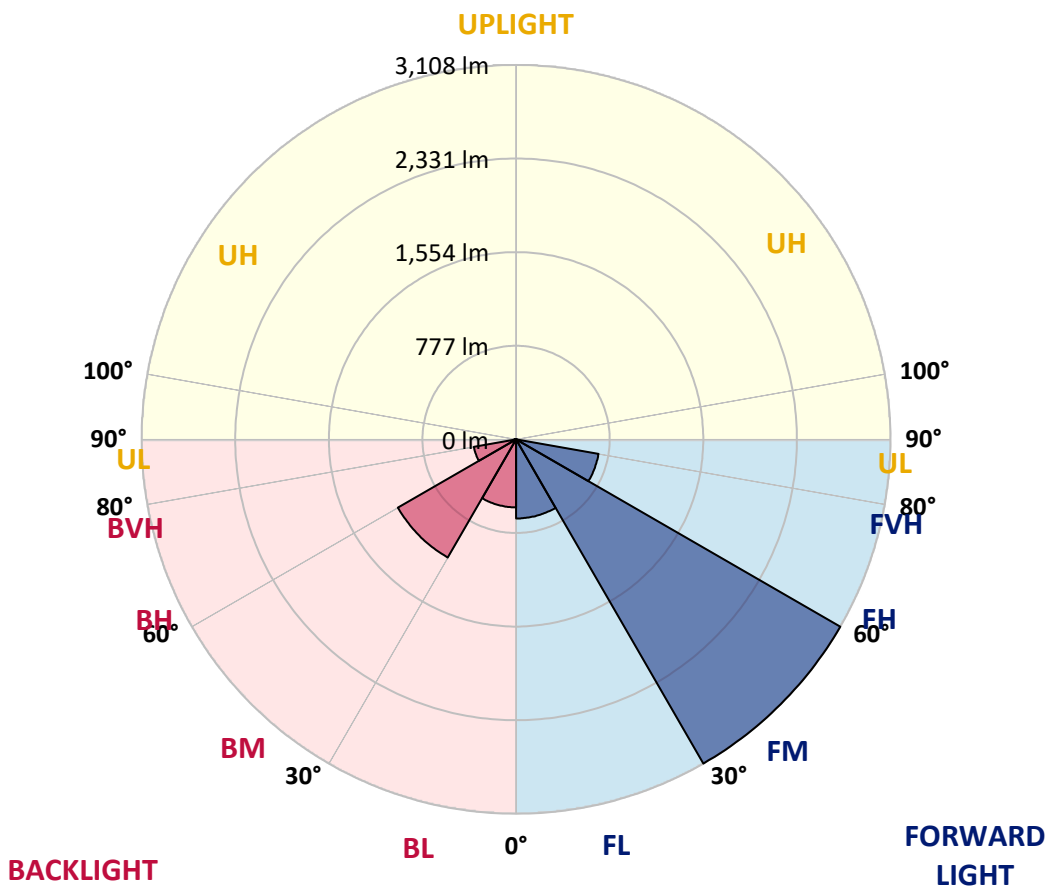
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.8	10.0			
FM (30°-60°)	3108.5	47.5			
FH (60°-80°)	694.9	10.6			G1/1800
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	564.6	8.6	B2/1000		
BM (30°-60°)	1133.5	17.3	B2/2500		
BH (60°-80°)	356.0	5.4	B1/500		G1/500
BVH (80°-90°)	15.6	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1210.5	1210.0	1210.0	1213.3	1213.3	1214.4	1216.0	1217.7	1218.2	1215.5	1209.4
5°	1223.7	1223.7	1223.7	1226.5	1226.5	1227.6	1229.7	1230.3	1229.7	1225.4	1219.3
7.5°	1244.6	1244.6	1245.1	1248.4	1251.2	1252.8	1256.7	1256.1	1254.5	1247.3	1239.6
10°	1278.6	1280.3	1281.9	1285.8	1291.3	1295.1	1297.9	1297.9	1295.7	1284.7	1274.8
12.5°	1327.0	1329.2	1330.8	1334.1	1338.5	1345.1	1351.1	1351.1	1348.4	1334.7	1319.8
15°	1383.5	1385.7	1385.2	1386.3	1394.5	1403.9	1408.8	1412.1	1413.2	1394.0	1370.9
17.5°	1448.3	1450.5	1448.3	1445.1	1446.1	1461.0	1469.8	1481.9	1489.0	1463.2	1426.4
20°	1507.1	1504.9	1504.9	1507.1	1510.4	1528.5	1541.7	1561.5	1570.3	1539.0	1481.9
22.5°	1569.2	1574.1	1571.9	1571.9	1585.1	1615.3	1631.2	1657.1	1666.4	1625.8	1548.9
25°	1649.4	1653.8	1652.7	1653.8	1669.1	1712.0	1727.9	1775.7	1785.0	1726.8	1623.0
27.5°	1737.2	1744.4	1747.7	1746.6	1771.3	1827.3	1847.1	1913.6	1930.6	1840.0	1702.1
30°	1851.5	1859.2	1861.9	1860.8	1889.9	1966.3	1988.8	2064.6	2088.8	1974.0	1802.6
32.5°	1983.9	1991.5	1999.8	2003.1	2040.4	2118.4	2150.8	2229.4	2264.0	2128.9	1924.0
35°	2115.1	2121.7	2137.6	2163.5	2214.5	2294.2	2322.7	2400.2	2433.7	2289.8	2070.6
37.5°	2260.1	2264.5	2278.2	2313.9	2387.5	2463.3	2491.9	2566.1	2569.9	2445.2	2236.5
40°	2418.9	2418.9	2416.1	2451.3	2528.2	2604.5	2629.2	2672.1	2649.5	2565.0	2398.0
42.5°	2553.4	2551.2	2553.4	2586.4	2643.5	2705.6	2727.0	2718.7	2690.2	2656.7	2544.1
45°	2674.8	2676.4	2696.2	2721.5	2751.1	2787.9	2800.6	2753.9	2728.1	2730.3	2661.1
47.5°	2757.2	2758.8	2805.0	2847.3	2865.4	2876.9	2871.4	2806.6	2793.4	2818.2	2751.1
50°	2768.2	2777.0	2856.6	2943.4	2988.4	2990.1	2974.7	2895.6	2891.8	2919.8	2799.5
52.5°	2770.4	2779.2	2878.6	3035.1	3152.1	3176.8	3159.2	3076.8	3036.7	3008.7	2858.8
55°	2762.1	2772.0	2881.9	3096.6	3320.7	3419.6	3421.2	3304.8	3176.8	3158.1	3028.0
57.5°	2438.6	2442.5	2612.7	2940.1	3314.1	3594.2	3615.6	3457.5	3311.4	3293.8	3163.6
60°	1698.8	1714.2	1899.3	2331.5	2784.1	3277.9	3347.1	3300.9	3203.2	3075.2	2714.3
62.5°	850.8	864.0	1049.6	1458.2	1920.1	2310.1	2384.3	2433.1	2456.2	2318.9	1848.2
65°	366.3	376.2	491.6	761.8	1086.9	1275.3	1301.2	1359.9	1503.8	1341.8	995.8
67.5°	245.0	251.6	310.3	464.7	640.4	652.5	648.7	661.3	692.6	571.8	449.8
70°	187.8	193.3	232.9	340.5	460.3	393.8	372.9	338.3	367.4	374.6	364.7
72.5°	136.2	140.6	170.3	232.3	288.4	251.6	248.3	265.8	305.4	316.4	310.3
75°	87.9	90.1	108.2	127.4	148.8	161.5	168.1	199.9	240.0	248.3	241.1
77.5°	58.8	60.4	70.9	81.8	84.6	85.1	87.3	101.6	129.1	144.5	142.8
80°	30.8	30.8	34.6	34.6	39.5	47.2	49.4	58.8	71.4	79.1	79.6
82.5°	12.1	12.6	14.8	16.5	19.8	24.2	25.8	30.8	37.3	42.8	47.8
85°	4.9	5.5	6.0	7.1	8.8	11.0	11.5	13.2	17.6	22.0	24.7
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	1.6	2.2	2.7	4.9	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°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1216.6	1209.4	1216.6	1218.8	1224.8	1227.0	1223.2	1222.6	1222.6	1217.1	1215.5
5°	1224.8	1218.2	1225.4	1228.7	1237.4	1242.9	1244.0	1248.4	1251.2	1249.0	1248.4
7.5°	1245.1	1236.9	1244.6	1249.5	1261.1	1269.8	1273.7	1283.6	1290.7	1289.6	1289.1
10°	1280.8	1269.8	1278.6	1286.9	1299.5	1309.9	1310.5	1316.0	1323.1	1320.9	1319.8
12.5°	1322.0	1311.6	1321.5	1329.7	1344.5	1348.9	1341.8	1339.6	1340.7	1337.9	1335.8
15°	1372.6	1357.7	1366.5	1375.8	1384.1	1379.1	1363.8	1357.7	1357.2	1353.3	1351.1
17.5°	1423.1	1404.4	1411.0	1415.9	1412.1	1396.7	1377.5	1367.1	1362.1	1354.4	1352.2
20°	1473.1	1449.4	1448.3	1444.5	1426.9	1398.9	1373.1	1352.2	1339.6	1329.2	1325.3
22.5°	1530.2	1497.2	1480.8	1463.2	1424.7	1379.1	1340.1	1310.5	1290.2	1277.0	1272.6
25°	1591.7	1545.0	1511.0	1475.8	1402.8	1336.9	1282.5	1241.8	1217.7	1203.4	1198.4
27.5°	1652.7	1588.4	1537.3	1477.5	1358.8	1275.9	1202.8	1147.9	1123.7	1112.2	1108.4
30°	1735.1	1646.1	1568.6	1456.0	1301.2	1191.3	1100.1	1044.7	1028.7	1020.5	1017.2
32.5°	1830.1	1719.1	1610.4	1411.0	1227.6	1092.4	996.3	957.9	946.9	931.0	930.4
35°	1955.3	1823.5	1649.9	1344.5	1134.7	986.4	916.7	889.2	869.4	844.2	842.0
37.5°	2101.4	1953.6	1671.3	1260.0	1026.5	899.1	857.4	826.6	794.8	761.2	756.9
40°	2252.4	2105.8	1673.0	1160.0	920.5	841.4	806.3	766.2	726.6	689.3	684.4
42.5°	2411.2	2247.5	1643.9	1044.7	833.7	791.5	755.8	705.2	660.7	635.5	632.7
45°	2552.9	2361.7	1578.0	923.3	769.5	749.7	704.1	649.8	626.1	608.0	604.2
47.5°	2664.4	2437.5	1489.0	814.5	717.3	706.9	647.6	619.5	601.4	584.9	581.1
50°	2719.3	2454.6	1373.1	726.1	669.0	656.3	615.7	594.3	582.2	569.0	565.7
52.5°	2787.4	2473.8	1273.1	651.9	621.7	604.7	589.3	572.3	563.5	555.3	552.5
55°	2943.9	2546.3	1220.4	592.6	576.7	569.0	566.8	552.5	549.8	544.3	539.4
57.5°	3007.6	2499.6	1095.7	544.3	541.0	542.1	547.6	534.4	531.7	525.1	521.8
60°	2418.9	1889.4	742.0	502.6	511.3	518.5	524.0	510.8	506.9	505.9	501.5
62.5°	1550.0	1162.2	517.9	463.6	476.7	485.5	488.8	476.2	473.4	482.2	482.8
65°	806.8	633.3	420.2	421.8	432.8	446.0	452.6	448.2	447.1	456.4	457.0
67.5°	411.9	387.2	366.3	372.4	381.2	398.2	413.6	432.8	439.4	440.5	441.0
70°	351.0	340.0	329.5	333.4	342.7	352.1	366.9	376.2	365.2	362.5	361.4
72.5°	298.8	290.5	285.6	290.0	294.9	293.3	288.9	293.3	294.9	295.5	296.0
75°	232.3	226.3	222.4	223.0	223.0	216.9	208.7	203.8	198.3	193.9	193.9
77.5°	142.3	143.4	147.2	146.6	146.1	143.9	135.7	131.3	118.1	114.2	114.2
80°	81.3	82.9	86.8	87.9	87.9	85.1	76.9	72.0	65.9	63.2	62.6
82.5°	49.4	51.6	53.8	54.9	55.5	52.2	45.0	41.2	37.9	35.2	35.2
85°	25.8	26.9	29.1	29.7	28.0	24.7	20.9	19.2	15.9	15.4	15.4
87.5°	7.1	7.7	8.8	7.1	6.6	4.9	2.7	2.2	1.1	0.5	0.5
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)