

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: P631897

Luminaire Tested: GWS-SA2B-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631897
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-SA2B-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 6025.2 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

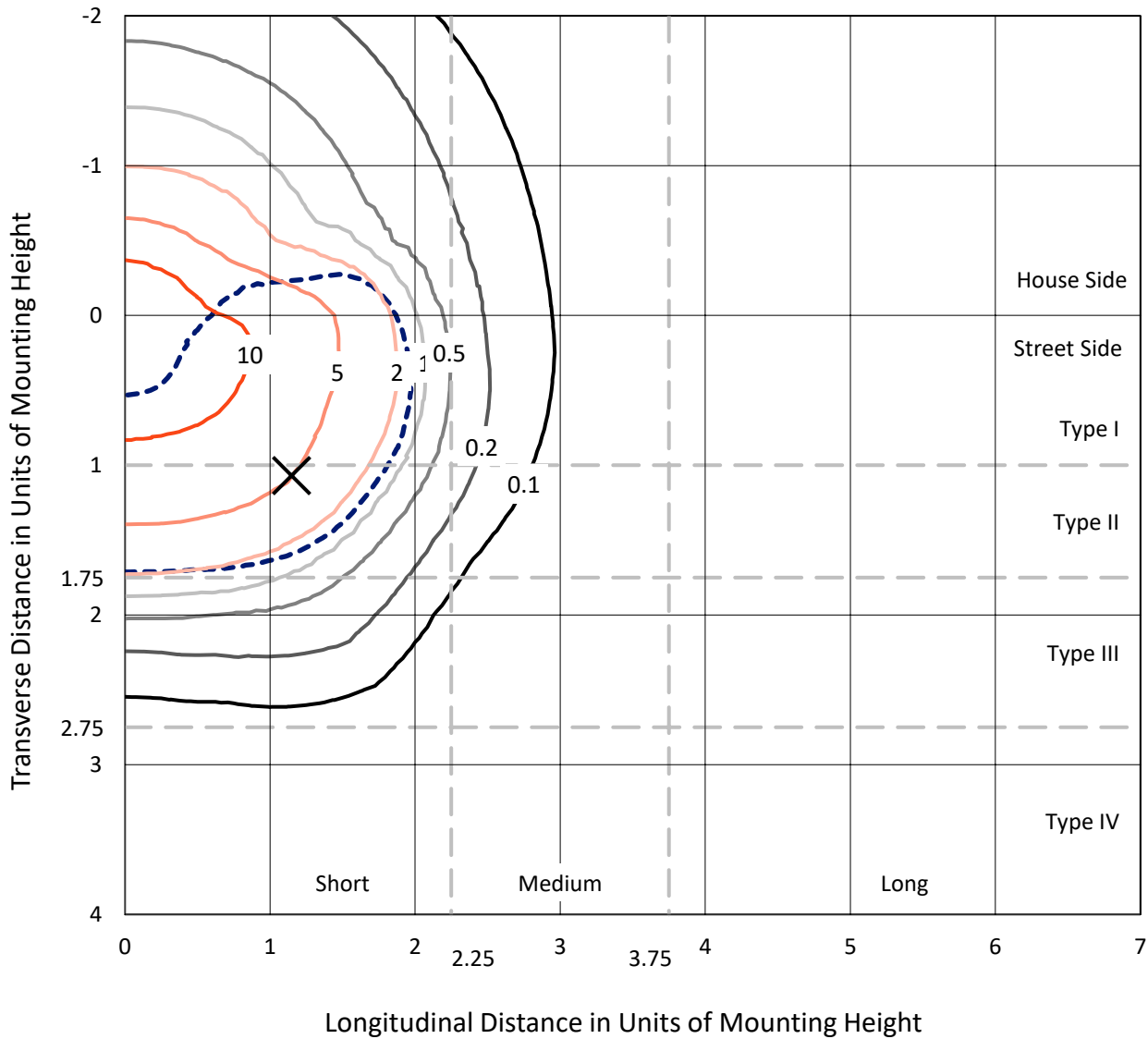
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631897
 CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

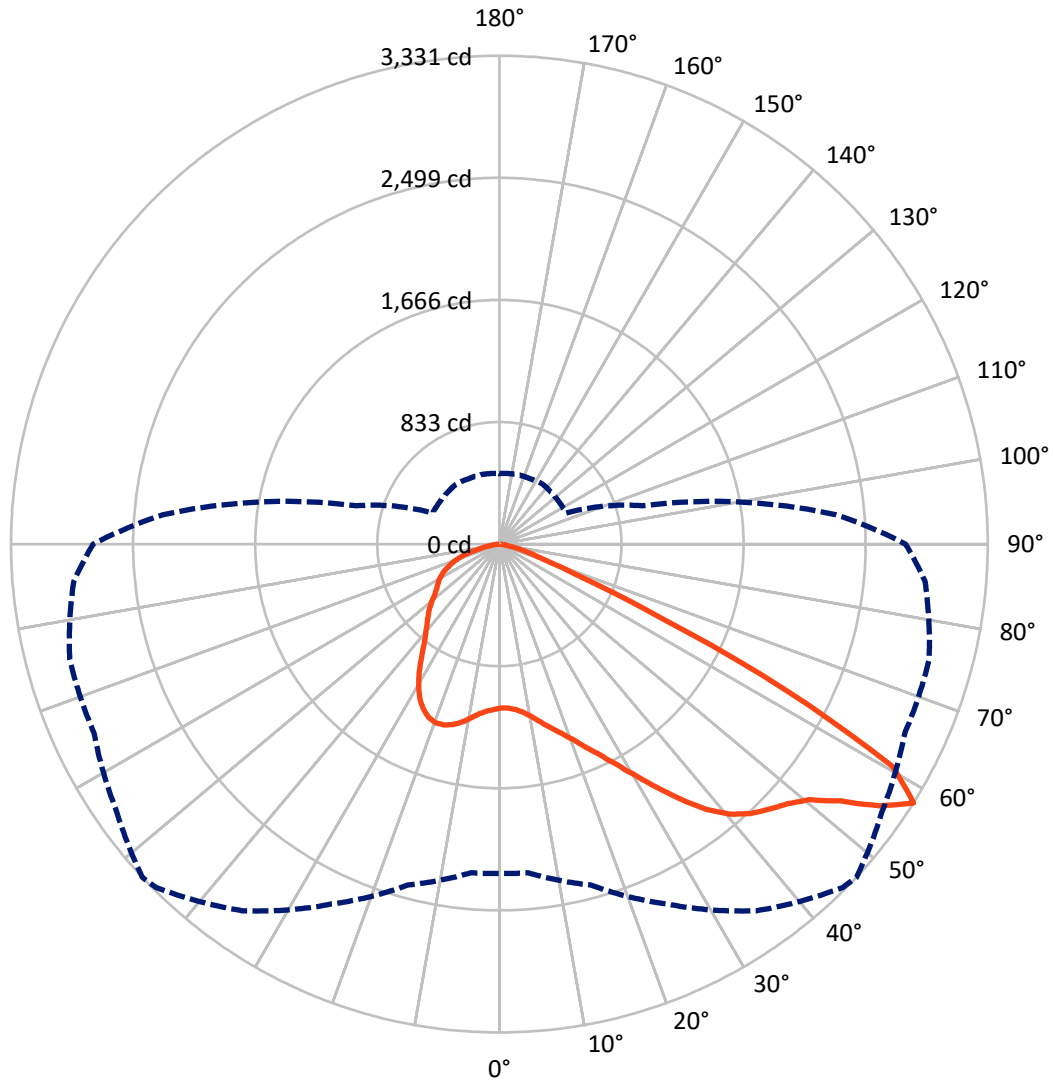
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

REPORT NUMBER: P631897
CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631897

CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1907.0	0.0	1907.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4118.2	0.0	4118.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	6025.2	0.0	6025.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.8
10°-20°	362.5	6.0
20°-30°	652.7	10.8
30°-40°	985.8	16.4
40°-50°	1327.5	22.0
50°-60°	1595.2	26.5
60°-70°	776.9	12.9
70°-80°	191.4	3.2
80°-90°	23.0	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°	6025.2	100.0
0°-180°	6025.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631897

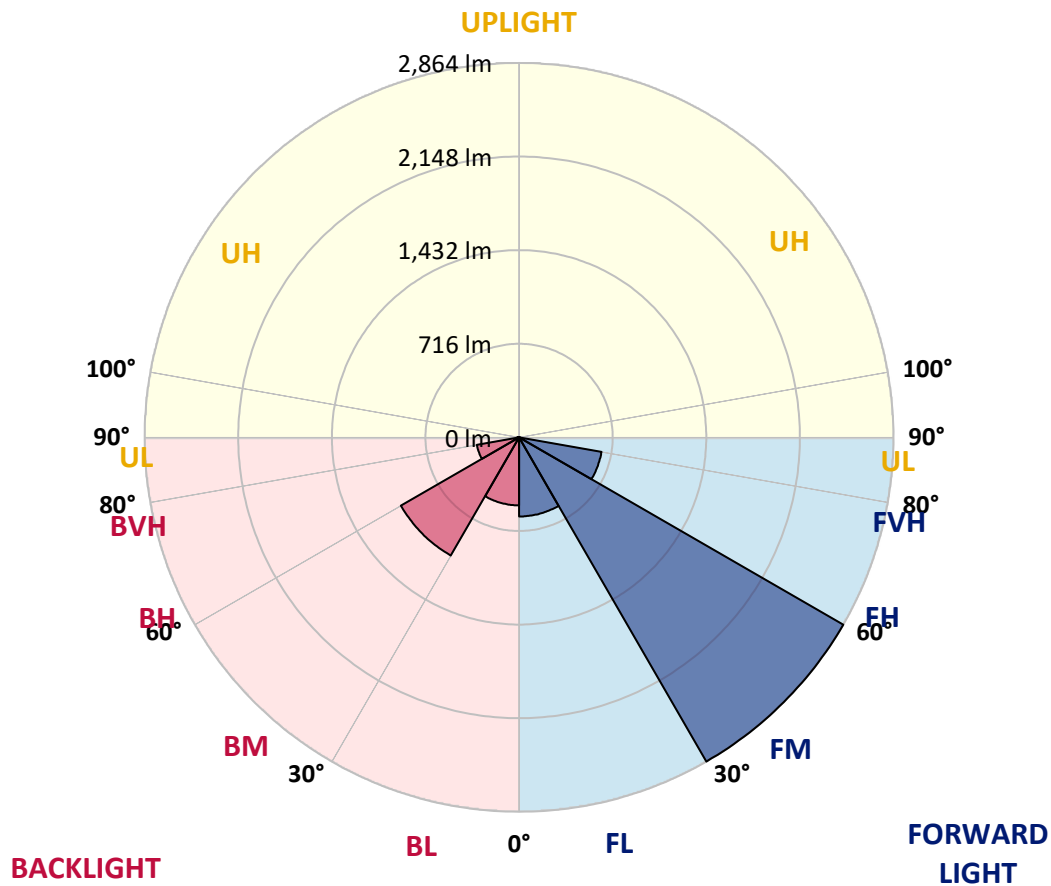
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.2	10.0			
FM (30°-60°)	2864.1	47.5			
FH (60°-80°)	640.3	10.6			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	520.2	8.6	B2/1000		
BM (30°-60°)	1044.4	17.3	B2/2500		
BH (60°-80°)	328.0	5.4	B1/500		G1/500
BVH (80°-90°)	14.4	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 II Short





REPORT NUMBER: P631897

CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4
2.5°	1115.4	1114.9	1114.9	1117.9	1117.9	1118.9	1120.4	1121.9	1122.4	1119.9	1114.3
5°	1127.5	1127.5	1127.5	1130.0	1130.0	1131.0	1133.1	1133.6	1133.1	1129.0	1123.5
7.5°	1146.7	1146.7	1147.2	1150.3	1152.8	1154.3	1157.9	1157.4	1155.8	1149.3	1142.2
10°	1178.1	1179.6	1181.1	1184.7	1189.7	1193.3	1195.8	1195.8	1193.8	1183.7	1174.6
12.5°	1222.6	1224.7	1226.2	1229.2	1233.3	1239.3	1244.9	1244.9	1242.4	1229.7	1216.1
15°	1274.8	1276.8	1276.3	1277.3	1284.9	1293.5	1298.0	1301.1	1302.1	1284.4	1263.1
17.5°	1334.5	1336.5	1334.5	1331.4	1332.5	1346.1	1354.2	1365.4	1371.9	1348.1	1314.2
20°	1388.6	1386.6	1386.6	1388.6	1391.7	1408.4	1420.5	1438.7	1446.8	1418.0	1365.4
22.5°	1445.8	1450.4	1448.3	1448.3	1460.5	1488.3	1503.0	1526.8	1535.4	1497.9	1427.1
25°	1519.7	1523.7	1522.7	1523.7	1537.9	1577.4	1592.1	1636.1	1644.7	1591.1	1495.4
27.5°	1600.7	1607.2	1610.3	1609.3	1632.0	1683.7	1701.9	1763.1	1778.8	1695.3	1568.3
30°	1705.9	1713.0	1715.5	1714.5	1741.4	1811.7	1832.4	1902.3	1924.5	1818.8	1660.9
32.5°	1827.9	1835.0	1842.6	1845.6	1880.0	1951.9	1981.7	2054.1	2086.0	1961.5	1772.7
35°	1948.8	1954.9	1969.6	1993.4	2040.4	2113.8	2140.1	2211.5	2242.4	2109.8	1907.8
37.5°	2082.4	2086.5	2099.1	2132.0	2199.8	2269.7	2296.0	2364.3	2367.9	2253.0	2060.7
40°	2228.7	2228.7	2226.2	2258.5	2329.4	2399.7	2422.5	2462.0	2441.2	2363.3	2209.5
42.5°	2352.7	2350.7	2352.7	2383.0	2435.7	2492.9	2512.6	2505.0	2478.7	2447.8	2344.1
45°	2464.5	2466.0	2484.3	2507.5	2534.9	2568.8	2580.4	2537.4	2513.6	2515.6	2451.9
47.5°	2540.4	2541.9	2584.5	2623.4	2640.1	2650.7	2645.7	2586.0	2573.8	2596.6	2534.9
50°	2550.5	2558.6	2632.0	2712.0	2753.5	2755.0	2740.8	2668.0	2664.4	2690.2	2579.4
52.5°	2552.6	2560.7	2652.3	2796.5	2904.3	2927.1	2910.9	2835.0	2798.0	2772.2	2634.0
55°	2545.0	2554.1	2655.3	2853.2	3059.6	3150.7	3152.3	3045.0	2927.1	2909.8	2789.9
57.5°	2246.9	2250.5	2407.3	2708.9	3053.6	3311.7	3331.4	3185.7	3051.0	3034.8	2914.9
60°	1565.2	1579.4	1750.0	2148.2	2565.2	3020.2	3083.9	3041.4	2951.3	2833.4	2501.0
62.5°	783.9	796.0	967.1	1343.6	1769.2	2128.5	2196.8	2241.8	2263.1	2136.6	1702.9
65°	337.5	346.7	452.9	701.9	1001.5	1175.1	1198.9	1253.0	1385.6	1236.3	917.5
67.5°	225.7	231.8	285.9	428.1	590.1	601.2	597.7	609.3	638.1	526.8	414.5
70°	173.1	178.1	214.6	313.8	424.1	362.8	343.6	311.7	338.6	345.1	336.0
72.5°	125.5	129.6	156.9	214.1	265.7	231.8	228.7	244.9	281.4	291.5	285.9
75°	81.0	83.0	99.7	117.4	137.1	148.8	154.9	184.2	221.1	228.7	222.2
77.5°	54.1	55.7	65.3	75.4	77.9	78.4	80.5	93.6	118.9	133.1	131.6
80°	28.3	28.3	31.9	31.9	36.4	43.5	45.5	54.1	65.8	72.9	73.4
82.5°	11.1	11.6	13.7	15.2	18.2	22.3	23.8	28.3	34.4	39.5	44.0
85°	4.6	5.1	5.6	6.6	8.1	10.1	10.6	12.1	16.2	20.2	22.8
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	1.5	2.0	2.5	4.6	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631897

CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4	1117.4
2.5°	1120.9	1114.3	1120.9	1122.9	1128.5	1130.5	1127.0	1126.5	1126.5	1121.4	1119.9
5°	1128.5	1122.4	1129.0	1132.1	1140.2	1145.2	1146.2	1150.3	1152.8	1150.8	1150.3
7.5°	1147.2	1139.6	1146.7	1151.3	1161.9	1170.0	1173.6	1182.7	1189.2	1188.2	1187.7
10°	1180.1	1170.0	1178.1	1185.7	1197.3	1207.0	1207.5	1212.5	1219.1	1217.1	1216.1
12.5°	1218.1	1208.5	1217.6	1225.2	1238.8	1242.9	1236.3	1234.3	1235.3	1232.8	1230.7
15°	1264.6	1251.0	1259.1	1267.7	1275.3	1270.7	1256.5	1251.0	1250.5	1246.9	1244.9
17.5°	1311.2	1294.0	1300.1	1304.6	1301.1	1286.9	1269.2	1259.6	1255.0	1247.9	1245.9
20°	1357.3	1335.5	1334.5	1330.9	1314.7	1288.9	1265.2	1245.9	1234.3	1224.7	1221.1
22.5°	1409.9	1379.5	1364.3	1348.1	1312.7	1270.7	1234.8	1207.5	1188.7	1176.6	1172.5
25°	1466.6	1423.5	1392.2	1359.8	1292.5	1231.8	1181.7	1144.2	1121.9	1108.8	1104.2
27.5°	1522.7	1463.5	1416.5	1361.3	1252.0	1175.6	1108.3	1057.7	1035.4	1024.8	1021.2
30°	1598.6	1516.7	1445.3	1341.6	1198.9	1097.6	1013.6	962.5	947.9	940.3	937.2
32.5°	1686.2	1584.0	1483.8	1300.1	1131.0	1006.6	918.0	882.6	872.4	857.8	857.3
35°	1801.6	1680.1	1520.2	1238.8	1045.5	908.9	844.6	819.3	801.1	777.8	775.8
37.5°	1936.2	1800.1	1539.9	1160.9	945.8	828.4	790.0	761.6	732.3	701.4	697.4
40°	2075.4	1940.2	1541.5	1068.8	848.2	775.3	742.9	706.0	669.5	635.1	630.6
42.5°	2221.6	2070.8	1514.6	962.5	768.2	729.2	696.3	649.8	608.8	585.5	583.0
45°	2352.2	2176.1	1453.9	850.7	709.0	690.8	648.8	598.7	576.9	560.2	556.7
47.5°	2454.9	2245.9	1371.9	750.5	660.9	651.3	596.6	570.8	554.1	539.0	535.4
50°	2505.5	2261.6	1265.2	669.0	616.4	604.7	567.3	547.6	536.4	524.3	521.2
52.5°	2568.3	2279.3	1173.0	600.7	572.9	557.2	543.0	527.3	519.2	511.6	509.1
55°	2712.5	2346.1	1124.5	546.0	531.4	524.3	522.3	509.1	506.6	501.5	497.0
57.5°	2771.2	2303.1	1009.6	501.5	498.5	499.5	504.5	492.4	489.9	483.8	480.8
60°	2228.7	1740.8	683.7	463.0	471.1	477.7	482.8	470.6	467.1	466.1	462.0
62.5°	1428.1	1070.8	477.2	427.1	439.3	447.4	450.4	438.8	436.2	444.3	444.8
65°	743.4	583.5	387.1	388.7	398.8	410.9	417.0	412.9	411.9	420.5	421.0
67.5°	379.5	356.8	337.5	343.1	351.2	366.9	381.1	398.8	404.8	405.9	406.4
70°	323.4	313.3	303.6	307.2	315.8	324.4	338.0	346.7	336.5	334.0	333.0
72.5°	275.3	267.7	263.2	267.2	271.8	270.2	266.2	270.2	271.8	272.3	272.8
75°	214.1	208.5	205.0	205.5	205.5	199.9	192.3	187.7	182.7	178.6	178.6
77.5°	131.1	132.1	135.6	135.1	134.6	132.6	125.0	120.9	108.8	105.3	105.3
80°	74.9	76.4	80.0	81.0	81.0	78.4	70.8	66.3	60.7	58.2	57.7
82.5°	45.5	47.6	49.6	50.6	51.1	48.1	41.5	38.0	34.9	32.4	32.4
85°	23.8	24.8	26.8	27.3	25.8	22.8	19.2	17.7	14.7	14.2	14.2
87.5°	6.6	7.1	8.1	6.6	6.1	4.6	2.5	2.0	1.0	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)