

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: P631952

Luminaire Tested: GWS-SA2B-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631952
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5942.6 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

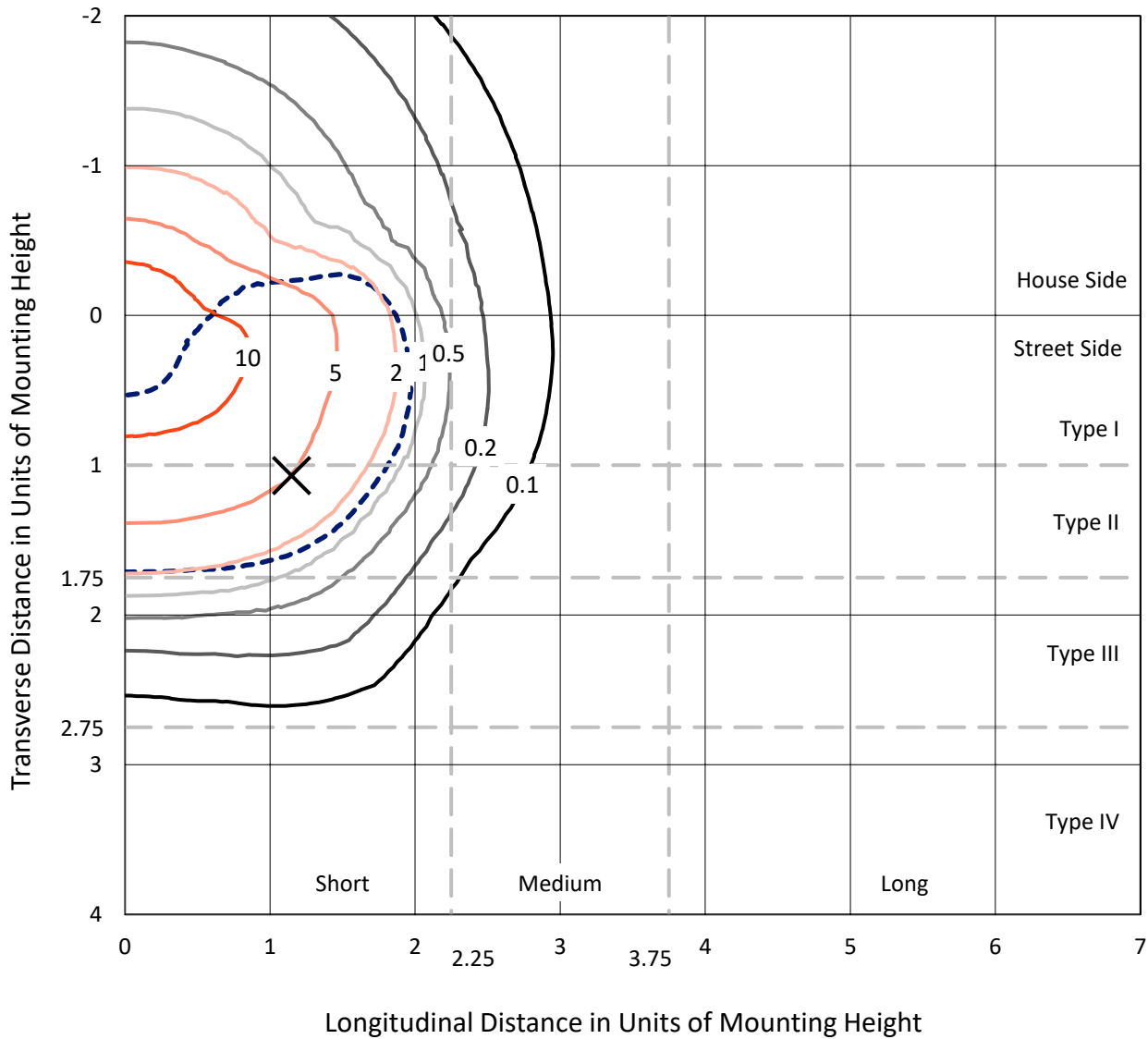
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

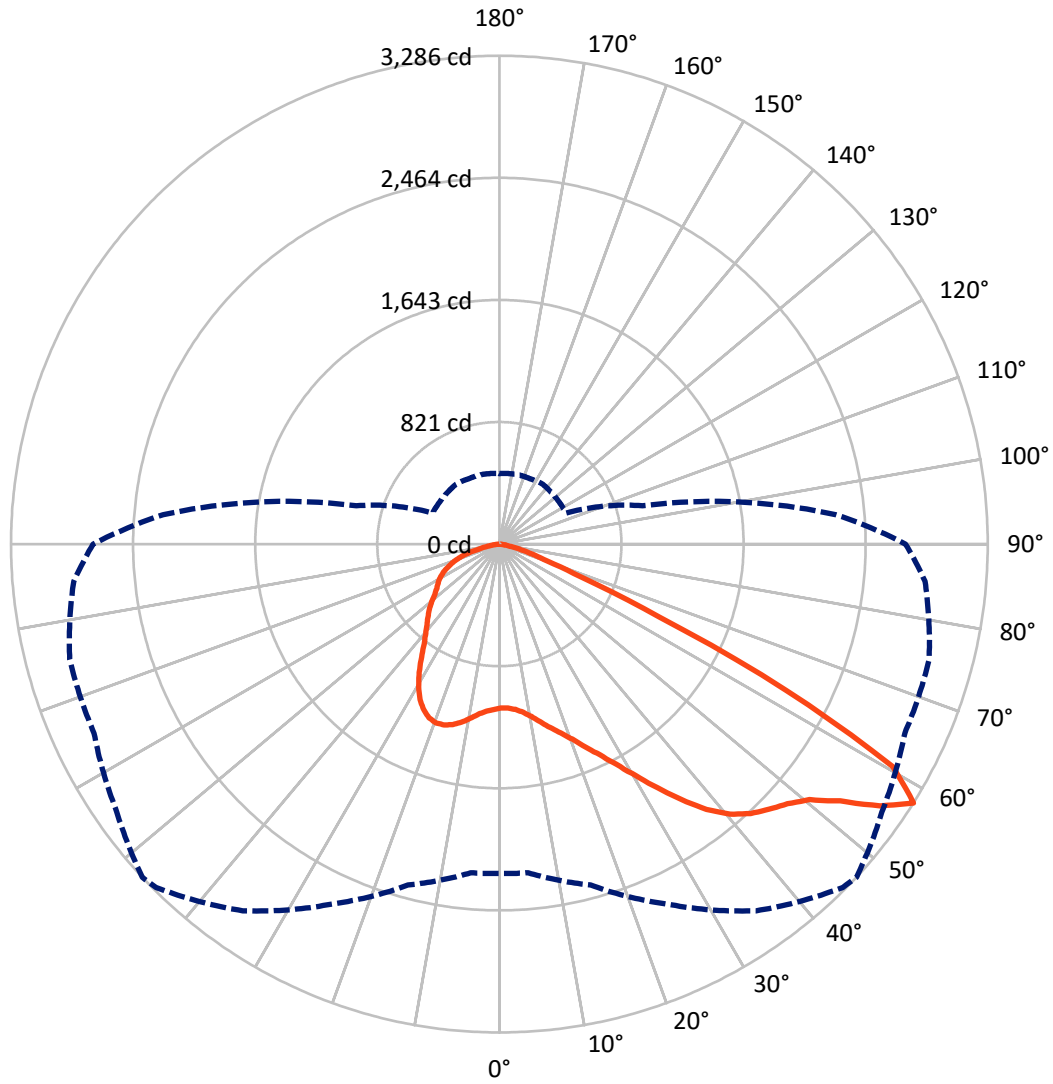
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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
House Side	Lumens	1880.8	0.0	1880.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4061.8	0.0	4061.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	5942.6	0.0	5942.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	1.8
10°-20°	357.5	6.0
20°-30°	643.7	10.8
30°-40°	972.3	16.4
40°-50°	1309.3	22.0
50°-60°	1573.3	26.5
60°-70°	766.2	12.9
70°-80°	188.8	3.2
80°-90°	22.7	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°	5942.6	100.0
0°-180°	5942.6	100.0

Coefficient of Utilization



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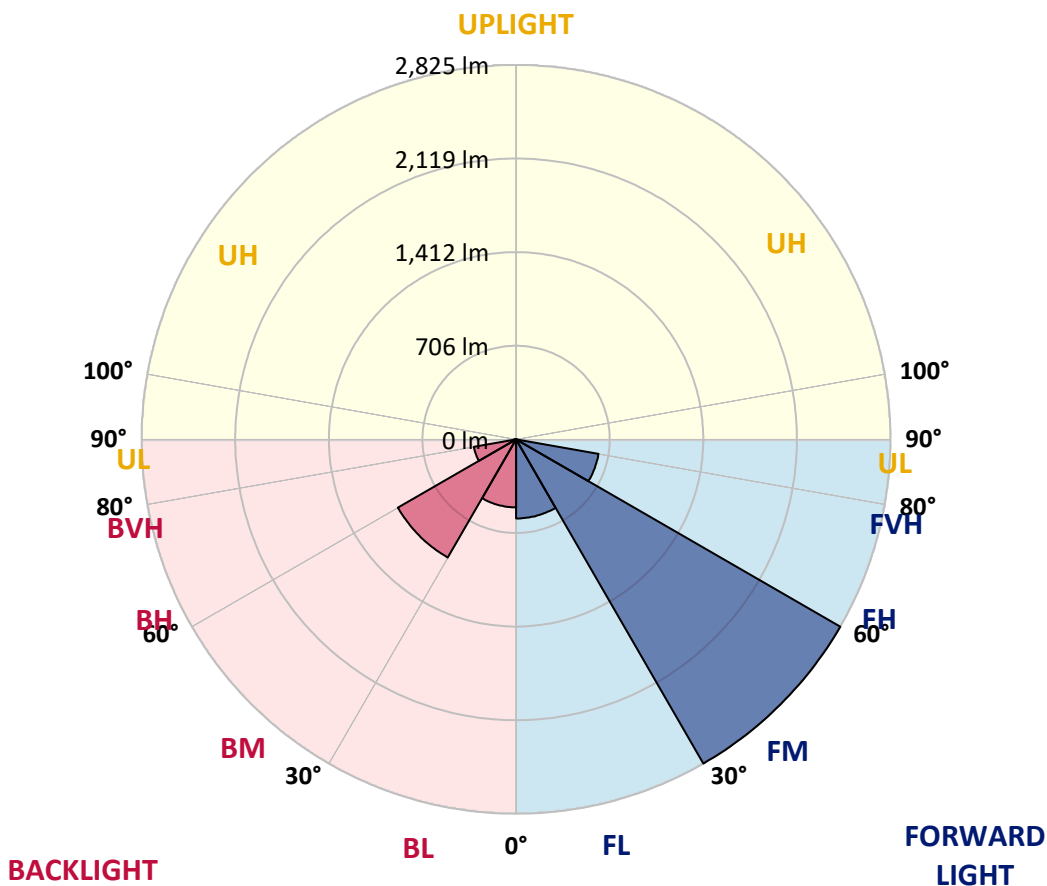
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.9	10.0			
FM (30°-60°)	2824.8	47.5			
FH (60°-80°)	631.5	10.6			G0/660
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	513.1	8.6	B2/1000		
BM (30°-60°)	1030.1	17.3	B2/2500		
BH (60°-80°)	323.5	5.4	B1/500		G1/500
BVH (80°-90°)	14.2	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°	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1
2.5°	1100.1	1099.6	1099.6	1102.6	1102.6	1103.6	1105.1	1106.6	1107.1	1104.6	1099.1
5°	1112.0	1112.0	1112.0	1114.5	1114.5	1115.5	1117.5	1118.0	1117.5	1113.5	1108.1
7.5°	1131.0	1131.0	1131.5	1134.5	1137.0	1138.5	1142.0	1141.5	1140.0	1133.5	1126.5
10°	1162.0	1163.5	1165.0	1168.4	1173.4	1176.9	1179.4	1179.4	1177.4	1167.4	1158.5
12.5°	1205.9	1207.9	1209.4	1212.4	1216.4	1222.4	1227.8	1227.8	1225.3	1212.9	1199.4
15°	1257.3	1259.3	1258.8	1259.8	1267.3	1275.8	1280.3	1283.2	1284.2	1266.8	1245.8
17.5°	1316.2	1318.2	1316.2	1313.2	1314.2	1327.7	1335.7	1346.6	1353.1	1329.7	1296.2
20°	1369.6	1367.6	1367.6	1369.6	1372.6	1389.1	1401.0	1419.0	1427.0	1398.5	1346.6
22.5°	1426.0	1430.5	1428.5	1428.5	1440.5	1467.9	1482.4	1505.9	1514.3	1477.4	1407.5
25°	1498.9	1502.9	1501.9	1502.9	1516.8	1555.8	1570.2	1613.7	1622.1	1569.2	1474.9
27.5°	1578.7	1585.2	1588.2	1587.2	1609.7	1660.6	1678.6	1738.9	1754.4	1672.1	1546.8
30°	1682.5	1689.5	1692.0	1691.0	1717.5	1786.9	1807.3	1876.2	1898.2	1793.8	1638.1
32.5°	1802.8	1809.8	1817.3	1820.3	1854.2	1925.1	1954.6	2025.9	2057.4	1934.6	1748.4
35°	1922.1	1928.1	1942.6	1966.0	2012.5	2084.8	2110.8	2181.2	2211.6	2080.8	1881.7
37.5°	2053.9	2057.9	2070.4	2102.8	2169.7	2238.6	2264.5	2331.9	2335.4	2222.1	2032.4
40°	2198.1	2198.1	2195.6	2227.6	2297.5	2366.8	2389.3	2428.2	2407.8	2330.9	2179.2
42.5°	2320.4	2318.4	2320.4	2350.4	2402.3	2458.7	2478.1	2470.7	2444.7	2414.3	2311.9
45°	2430.7	2432.2	2450.2	2473.2	2500.1	2533.5	2545.0	2502.6	2479.1	2481.1	2418.3
47.5°	2505.6	2507.1	2549.0	2587.5	2603.9	2614.4	2609.4	2550.5	2538.5	2561.0	2500.1
50°	2515.6	2523.6	2595.9	2674.8	2715.7	2717.2	2703.3	2631.4	2627.9	2653.3	2544.0
52.5°	2517.6	2525.6	2615.9	2758.2	2864.5	2886.9	2871.0	2796.1	2759.7	2734.2	2597.9
55°	2510.1	2519.1	2618.9	2814.1	3017.7	3107.5	3109.0	3003.2	2886.9	2870.0	2751.7
57.5°	2216.1	2219.6	2374.3	2671.8	3011.7	3266.3	3285.7	3142.0	3009.2	2993.2	2874.9
60°	1543.8	1557.8	1726.0	2118.8	2530.1	2978.8	3041.7	2999.7	2910.9	2794.6	2466.7
62.5°	773.1	785.1	953.8	1325.2	1744.9	2099.3	2166.7	2211.1	2232.1	2107.3	1679.5
65°	332.9	341.9	446.7	692.3	987.8	1159.0	1182.4	1235.8	1366.6	1219.4	904.9
67.5°	222.6	228.6	282.0	422.3	582.0	593.0	589.5	600.9	629.4	519.6	408.8
70°	170.7	175.7	211.6	309.5	418.3	357.9	338.9	307.5	333.9	340.4	331.4
72.5°	123.8	127.8	154.7	211.1	262.0	228.6	225.6	241.6	277.5	287.5	282.0
75°	79.9	81.9	98.3	115.8	135.3	146.7	152.7	181.7	218.1	225.6	219.1
77.5°	53.4	54.9	64.4	74.4	76.9	77.4	79.4	92.3	117.3	131.3	129.8
80°	28.0	28.0	31.4	31.4	35.9	42.9	44.9	53.4	64.9	71.9	72.4
82.5°	11.0	11.5	13.5	15.0	18.0	22.0	23.5	28.0	33.9	38.9	43.4
85°	4.5	5.0	5.5	6.5	8.0	10.0	10.5	12.0	16.0	20.0	22.5
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	1.5	2.0	2.5	4.5	6.0
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°	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1	1102.1
2.5°	1105.6	1099.1	1105.6	1107.6	1113.0	1115.0	1111.5	1111.0	1111.0	1106.1	1104.6
5°	1113.0	1107.1	1113.5	1116.5	1124.5	1129.5	1130.5	1134.5	1137.0	1135.0	1134.5
7.5°	1131.5	1124.0	1131.0	1135.5	1146.0	1154.0	1157.5	1166.5	1172.9	1171.9	1171.4
10°	1164.0	1154.0	1162.0	1169.4	1180.9	1190.4	1190.9	1195.9	1202.4	1200.4	1199.4
12.5°	1201.4	1191.9	1200.9	1208.4	1221.9	1225.8	1219.4	1217.4	1218.4	1215.9	1213.9
15°	1247.3	1233.8	1241.8	1250.3	1257.8	1253.3	1239.3	1233.8	1233.3	1229.8	1227.8
17.5°	1293.2	1276.3	1282.2	1286.7	1283.2	1269.3	1251.8	1242.3	1237.8	1230.8	1228.8
20°	1338.6	1317.2	1316.2	1312.7	1296.7	1271.3	1247.8	1228.8	1217.4	1207.9	1204.4
22.5°	1390.6	1360.6	1345.6	1329.7	1294.7	1253.3	1217.9	1190.9	1172.4	1160.5	1156.5
25°	1446.5	1404.0	1373.1	1341.1	1274.8	1214.9	1165.5	1128.5	1106.6	1093.6	1089.1
27.5°	1501.9	1443.5	1397.0	1342.6	1234.8	1159.5	1093.1	1043.2	1021.2	1010.7	1007.2
30°	1576.7	1495.9	1425.5	1323.2	1182.4	1082.6	999.7	949.3	934.9	927.4	924.4
32.5°	1663.1	1562.3	1463.4	1282.2	1115.5	992.8	905.4	870.5	860.5	846.0	845.5
35°	1776.9	1657.1	1499.4	1221.9	1031.2	896.4	833.0	808.1	790.1	767.2	765.2
37.5°	1909.6	1775.4	1518.8	1145.0	932.9	817.1	779.1	751.2	722.2	691.8	687.8
40°	2046.9	1913.6	1520.3	1054.1	836.5	764.7	732.7	696.3	660.3	626.4	621.9
42.5°	2191.2	2042.4	1493.9	949.3	757.7	719.2	686.8	640.9	600.4	577.5	575.0
45°	2319.9	2146.2	1434.0	839.0	699.3	681.3	639.9	590.5	569.0	552.5	549.0
47.5°	2421.2	2215.1	1353.1	740.2	651.9	642.4	588.5	563.0	546.5	531.6	528.1
50°	2471.2	2230.6	1247.8	659.8	607.9	596.5	559.5	540.1	529.1	517.1	514.1
52.5°	2533.0	2248.1	1157.0	592.5	565.0	549.5	535.6	520.1	512.1	504.6	502.1
55°	2675.3	2313.9	1109.1	538.6	524.1	517.1	515.1	502.1	499.6	494.6	490.1
57.5°	2733.2	2271.5	995.8	494.6	491.6	492.6	497.6	485.6	483.2	477.2	474.2
60°	2198.1	1717.0	674.3	456.7	464.7	471.2	476.2	464.2	460.7	459.7	455.7
62.5°	1408.5	1056.1	470.7	421.3	433.2	441.2	444.2	432.7	430.2	438.2	438.7
65°	733.2	575.5	381.8	383.3	393.3	405.3	411.3	407.3	406.3	414.8	415.3
67.5°	374.3	351.9	332.9	338.4	346.4	361.9	375.8	393.3	399.3	400.3	400.8
70°	318.9	309.0	299.5	303.0	311.5	319.9	333.4	341.9	331.9	329.4	328.4
72.5°	271.5	264.0	259.5	263.5	268.0	266.5	262.5	266.5	268.0	268.5	269.0
75°	211.1	205.6	202.1	202.6	202.6	197.2	189.7	185.2	180.2	176.2	176.2
77.5°	129.3	130.3	133.8	133.3	132.8	130.8	123.3	119.3	107.3	103.8	103.8
80°	73.9	75.4	78.9	79.9	79.9	77.4	69.9	65.4	59.9	57.4	56.9
82.5°	44.9	46.9	48.9	49.9	50.4	47.4	40.9	37.4	34.4	31.9	31.9
85°	23.5	24.5	26.5	27.0	25.5	22.5	19.0	17.5	14.5	14.0	14.0
87.5°	6.5	7.0	8.0	6.5	6.0	4.5	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)