

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: P631944

Luminaire Tested: GWS-SA2B-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804.9 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

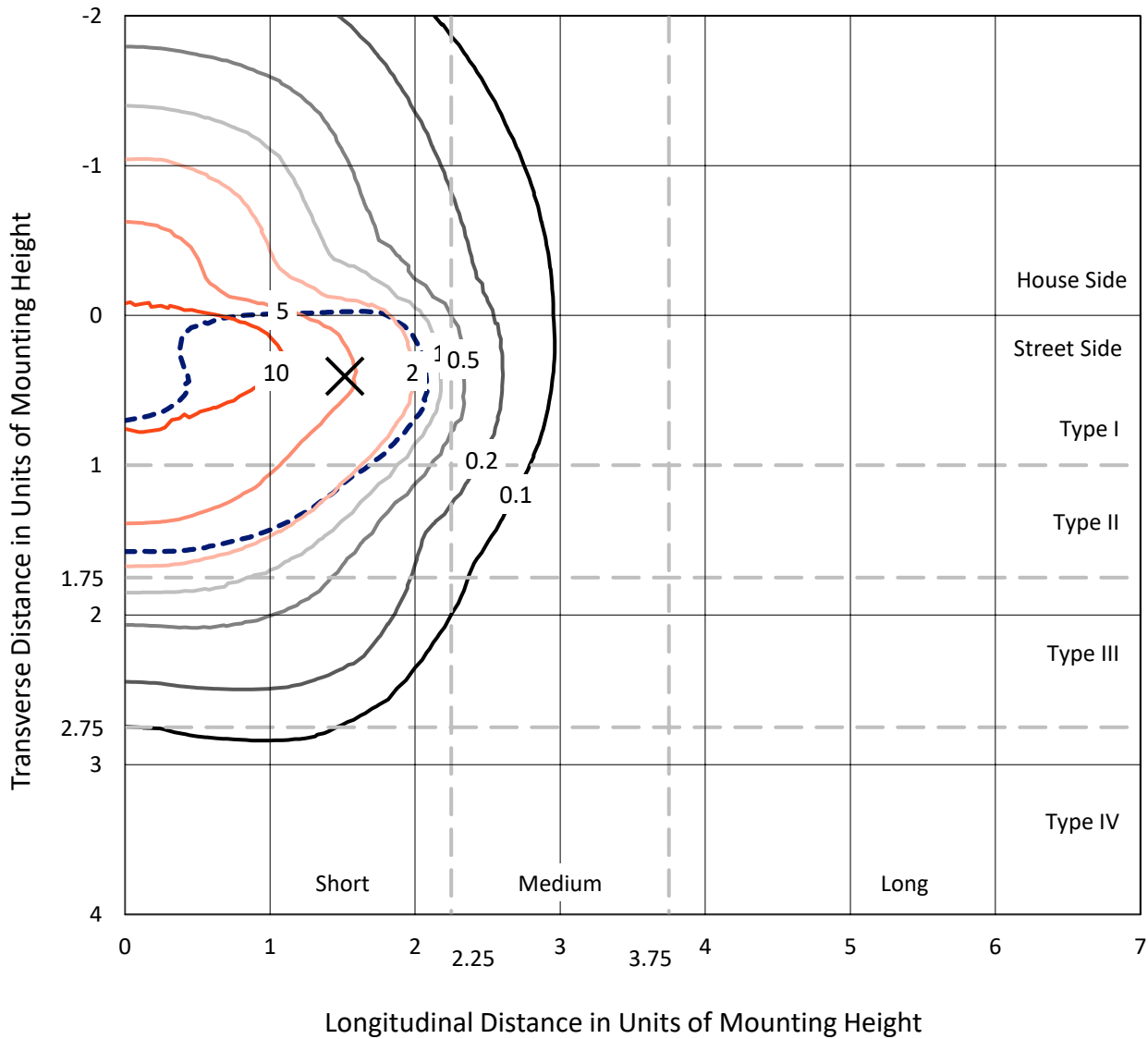
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631944
 CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

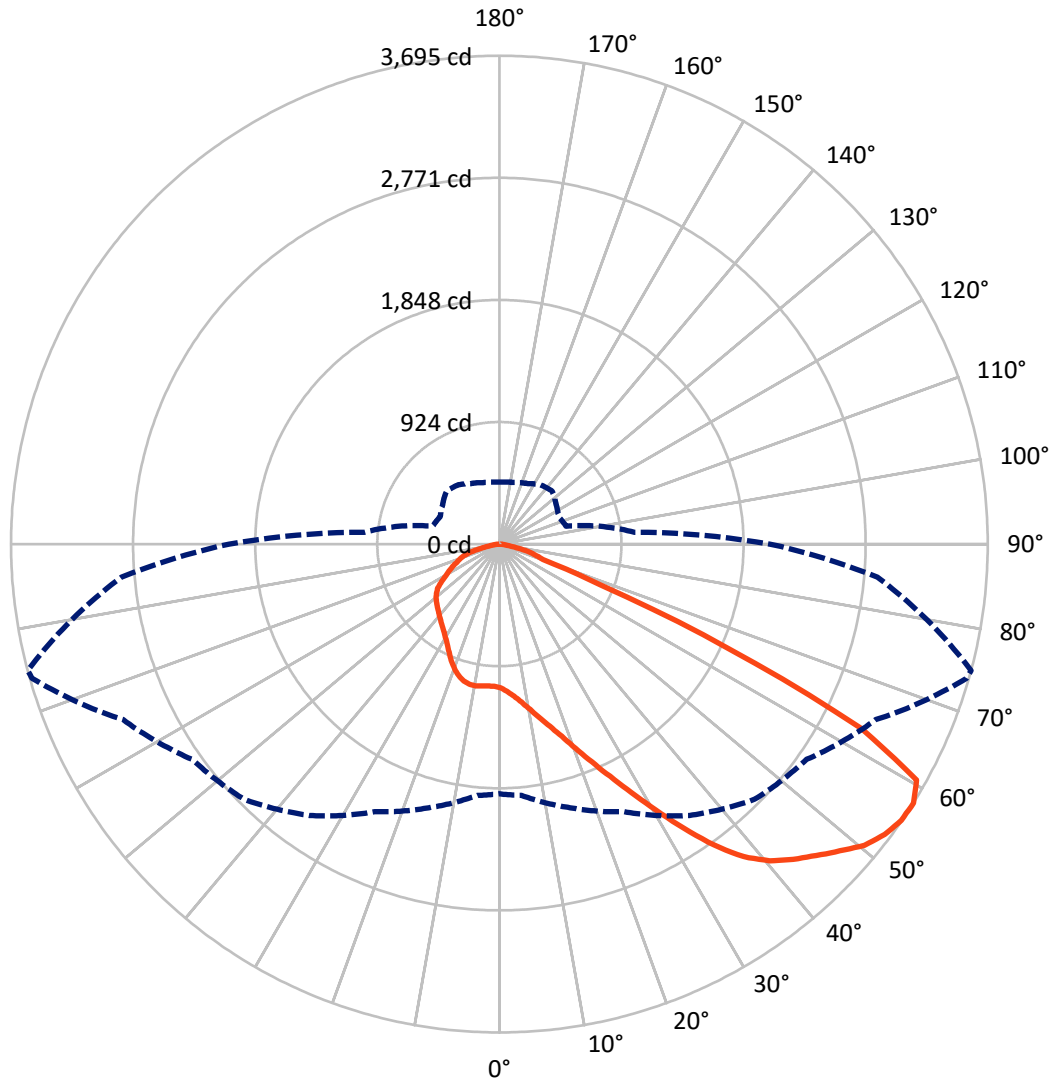
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

REPORT NUMBER: P631944
CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P631944

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1570.3	0.0	1570.3
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4234.6	0.0	4234.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	5804.9	0.0	5804.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	1.9
10°-20°	346.4	6.0
20°-30°	614.3	10.6
30°-40°	940.3	16.2
40°-50°	1309.3	22.6
50°-60°	1500.2	25.8
60°-70°	770.8	13.3
70°-80°	194.1	3.3
80°-90°	20.8	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°	5804.9	100.0
0°-180°	5804.9	100.0

Coefficient of Utilization



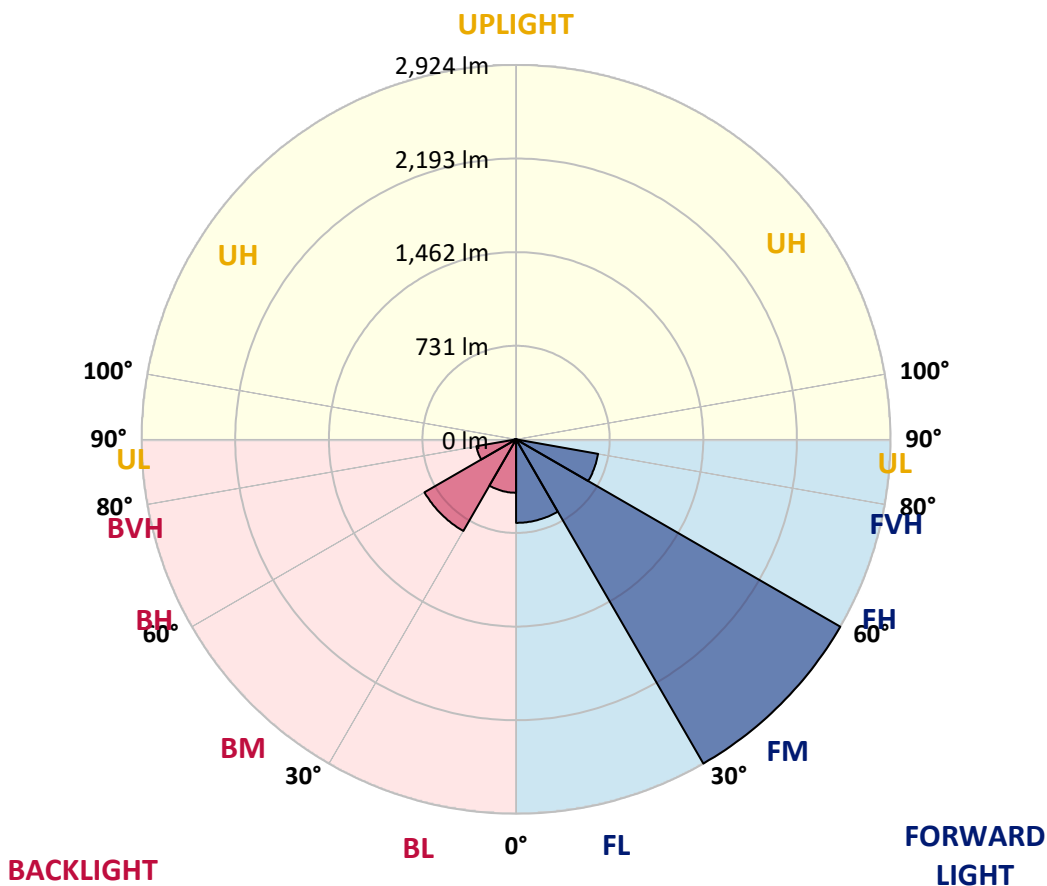
REPORT NUMBER: P631944

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.2	11.2			
FM (30°-60°)	2924.0	50.4			
FH (60°-80°)	650.7	11.2			G0/660
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	417.2	7.2	B1/500		
BM (30°-60°)	825.9	14.2	B1/1000		
BH (60°-80°)	314.2	5.4	B1/500		G1/500
BVH (80°-90°)	13.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





REPORT NUMBER: P631944

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1
2.5°	1168.0	1171.0	1168.0	1173.0	1163.0	1158.5	1147.5	1131.0	1118.1	1116.1	1101.6
5°	1258.8	1265.3	1261.3	1259.3	1245.8	1235.9	1219.4	1186.4	1159.5	1155.5	1127.0
7.5°	1317.2	1321.7	1321.7	1323.2	1318.2	1306.7	1289.3	1250.3	1212.4	1206.4	1163.5
10°	1336.7	1340.2	1346.7	1359.1	1369.1	1372.6	1361.1	1323.7	1277.3	1271.3	1211.4
12.5°	1341.2	1345.2	1355.2	1378.1	1405.6	1430.5	1432.5	1405.1	1353.2	1346.7	1266.8
15°	1349.7	1353.7	1367.1	1395.6	1436.0	1483.9	1513.4	1494.4	1437.0	1430.0	1329.7
17.5°	1348.7	1353.2	1373.1	1411.1	1465.5	1534.8	1591.7	1599.7	1540.3	1528.4	1401.1
20°	1346.2	1350.2	1371.6	1418.0	1485.4	1580.8	1683.6	1725.0	1661.1	1650.1	1484.4
22.5°	1366.1	1370.6	1387.1	1425.5	1495.9	1616.2	1768.4	1868.3	1804.4	1788.9	1580.3
25°	1411.1	1417.5	1427.5	1454.0	1514.9	1647.6	1855.3	2030.5	1965.1	1946.6	1684.6
27.5°	1480.4	1488.4	1502.4	1514.9	1557.3	1687.6	1941.6	2212.2	2146.8	2127.3	1794.9
30°	1565.3	1575.8	1593.7	1602.2	1631.2	1746.5	2035.5	2399.3	2361.4	2334.5	1919.2
32.5°	1682.6	1697.1	1714.0	1716.5	1734.0	1835.8	2128.3	2585.0	2584.5	2565.6	2060.4
35°	1835.3	1850.8	1854.3	1857.8	1866.3	1958.6	2240.6	2754.2	2819.6	2797.7	2214.2
37.5°	2002.0	2024.5	2030.0	2014.5	2026.5	2106.4	2366.9	2890.0	3024.3	3000.8	2362.9
40°	2180.2	2189.2	2204.2	2179.7	2194.7	2275.6	2490.7	2976.8	3177.0	3152.0	2480.2
42.5°	2308.0	2324.5	2346.9	2338.0	2346.4	2420.3	2577.5	3018.8	3285.8	3260.9	2564.6
45°	2446.8	2451.8	2466.2	2464.2	2469.2	2538.1	2639.9	3037.2	3383.1	3360.7	2636.4
47.5°	2567.6	2575.0	2584.5	2573.5	2562.6	2607.5	2690.8	3053.2	3495.5	3468.5	2711.8
50°	2683.9	2690.3	2701.8	2669.9	2628.9	2640.4	2715.8	3075.2	3600.8	3581.8	2771.2
52.5°	2705.3	2712.3	2766.2	2772.7	2720.3	2679.9	2759.7	3123.6	3662.7	3650.7	2792.7
55°	2435.3	2447.8	2555.1	2678.4	2807.6	2794.7	2830.1	3149.0	3687.1	3690.1	2831.1
57.5°	1890.2	1908.2	2064.9	2234.1	2506.2	2731.3	2839.1	3142.6	3678.6	3695.1	2870.5
60°	1239.9	1250.3	1436.0	1625.7	1907.7	2219.2	2541.1	3025.8	3603.3	3626.7	2860.5
62.5°	748.7	760.7	909.9	1053.7	1219.9	1428.0	1723.5	2431.8	3020.3	3072.7	2291.0
65°	522.6	538.6	669.3	787.6	845.0	802.1	873.0	1358.1	1881.7	1903.7	1400.1
67.5°	378.8	389.8	497.1	637.9	701.3	566.5	431.8	601.5	819.6	827.6	577.5
70°	248.1	260.5	357.9	485.7	572.5	459.2	322.9	325.4	344.9	348.9	335.4
72.5°	136.3	143.8	221.1	322.4	338.4	274.5	252.1	270.5	284.0	284.0	287.5
75°	70.4	76.9	90.3	106.3	128.3	150.2	181.7	209.1	223.6	224.6	223.1
77.5°	35.9	38.4	48.4	52.4	57.4	66.9	86.8	111.3	124.3	129.3	128.3
80°	17.0	18.0	20.5	24.0	29.4	37.4	46.9	55.9	63.9	64.9	70.4
82.5°	9.0	10.0	11.0	13.0	16.0	20.0	27.5	32.9	37.9	38.9	43.4
85°	3.5	4.0	4.5	5.0	7.0	8.5	11.5	15.5	19.0	19.0	22.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.5	3.5	3.5	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



REPORT NUMBER: P631944

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1	1087.1
2.5°	1098.1	1083.6	1077.1	1066.7	1058.2	1048.7	1041.2	1035.7	1032.2	1030.2	1028.2
5°	1116.1	1094.1	1076.6	1055.7	1041.2	1027.2	1015.7	1007.8	1003.8	1000.8	998.8
7.5°	1144.0	1114.6	1081.6	1049.2	1023.7	1001.3	986.8	978.3	972.8	970.8	969.3
10°	1182.5	1141.5	1087.1	1035.7	997.8	973.3	963.3	959.3	959.8	958.8	958.3
12.5°	1225.9	1170.0	1085.6	1011.7	969.8	955.3	955.8	962.3	969.8	971.8	972.3
15°	1272.8	1197.9	1071.1	980.8	947.9	949.4	962.3	977.8	991.8	997.3	998.3
17.5°	1323.7	1221.4	1044.7	946.9	929.9	945.9	969.8	995.3	1015.7	1024.7	1027.2
20°	1380.6	1241.4	1007.3	913.4	912.9	939.4	974.3	1007.8	1033.7	1045.7	1047.7
22.5°	1441.0	1253.8	961.3	882.5	895.5	930.9	970.8	1005.8	1033.2	1045.2	1047.7
25°	1501.9	1257.8	910.9	854.0	877.5	917.4	953.8	981.8	1007.8	1018.2	1020.2
27.5°	1558.8	1246.3	863.0	829.6	861.0	897.4	921.9	936.9	954.8	962.8	964.3
30°	1616.7	1223.4	822.6	810.1	842.5	870.0	881.0	882.0	889.0	889.0	890.0
32.5°	1675.1	1189.4	787.1	791.1	819.6	837.6	839.0	827.6	819.1	805.1	804.6
35°	1742.5	1155.0	758.2	769.7	792.6	803.6	799.1	777.2	756.7	733.7	732.7
37.5°	1804.9	1119.6	733.7	747.7	762.2	770.2	759.7	733.2	716.3	692.8	689.3
40°	1856.3	1087.6	710.3	724.7	731.7	738.7	721.8	700.3	702.8	689.8	689.3
42.5°	1886.2	1056.7	688.3	699.3	703.8	708.8	693.8	677.8	691.3	681.3	681.8
45°	1908.2	1029.7	668.3	672.3	683.3	690.8	676.8	658.9	661.9	623.4	614.4
47.5°	1933.2	1014.7	649.4	645.4	664.8	677.8	656.4	630.4	612.4	574.5	571.0
50°	1959.6	1009.3	629.4	618.4	641.9	654.4	629.4	597.0	573.5	553.0	551.0
52.5°	1968.6	1008.8	604.5	586.0	609.4	626.9	606.0	573.0	545.1	525.1	524.1
55°	2004.0	1023.2	572.5	541.6	563.5	599.5	584.0	536.6	514.1	505.1	504.1
57.5°	2045.5	1025.7	522.1	493.1	523.6	566.0	546.6	505.6	481.2	470.2	469.2
60°	2028.5	964.3	468.2	456.2	489.7	534.6	516.6	481.2	452.7	442.2	441.2
62.5°	1545.8	680.8	428.8	424.3	453.2	489.2	485.7	448.7	421.8	414.3	413.3
65°	929.9	478.2	390.8	390.3	410.8	445.2	449.7	419.8	391.3	380.8	380.8
67.5°	459.7	365.9	347.9	345.4	358.4	382.8	401.8	377.3	353.4	343.4	341.9
70°	324.9	322.4	316.5	309.5	312.0	321.9	329.9	309.5	284.0	274.0	272.0
72.5°	281.0	281.5	277.5	272.0	270.0	263.0	256.1	241.1	225.6	215.1	216.1
75°	218.1	219.1	221.6	219.6	214.1	206.6	199.2	180.2	167.7	157.7	155.7
77.5°	127.3	132.3	140.3	138.3	139.3	128.8	125.8	107.3	95.8	88.8	87.3
80°	71.9	74.9	78.4	80.9	77.9	73.4	66.9	56.9	53.4	48.4	47.4
82.5°	43.4	46.4	47.9	49.9	48.9	42.9	37.9	31.4	28.5	26.0	25.5
85°	22.0	24.0	25.5	26.5	23.5	19.5	17.5	14.0	12.0	10.5	10.5
87.5°	5.5	6.0	7.0	6.0	5.5	2.5	2.0	0.5	0.0	0.0	0.0
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)