

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: P632428

Luminaire Tested: GWS-SA2C-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8967.8 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

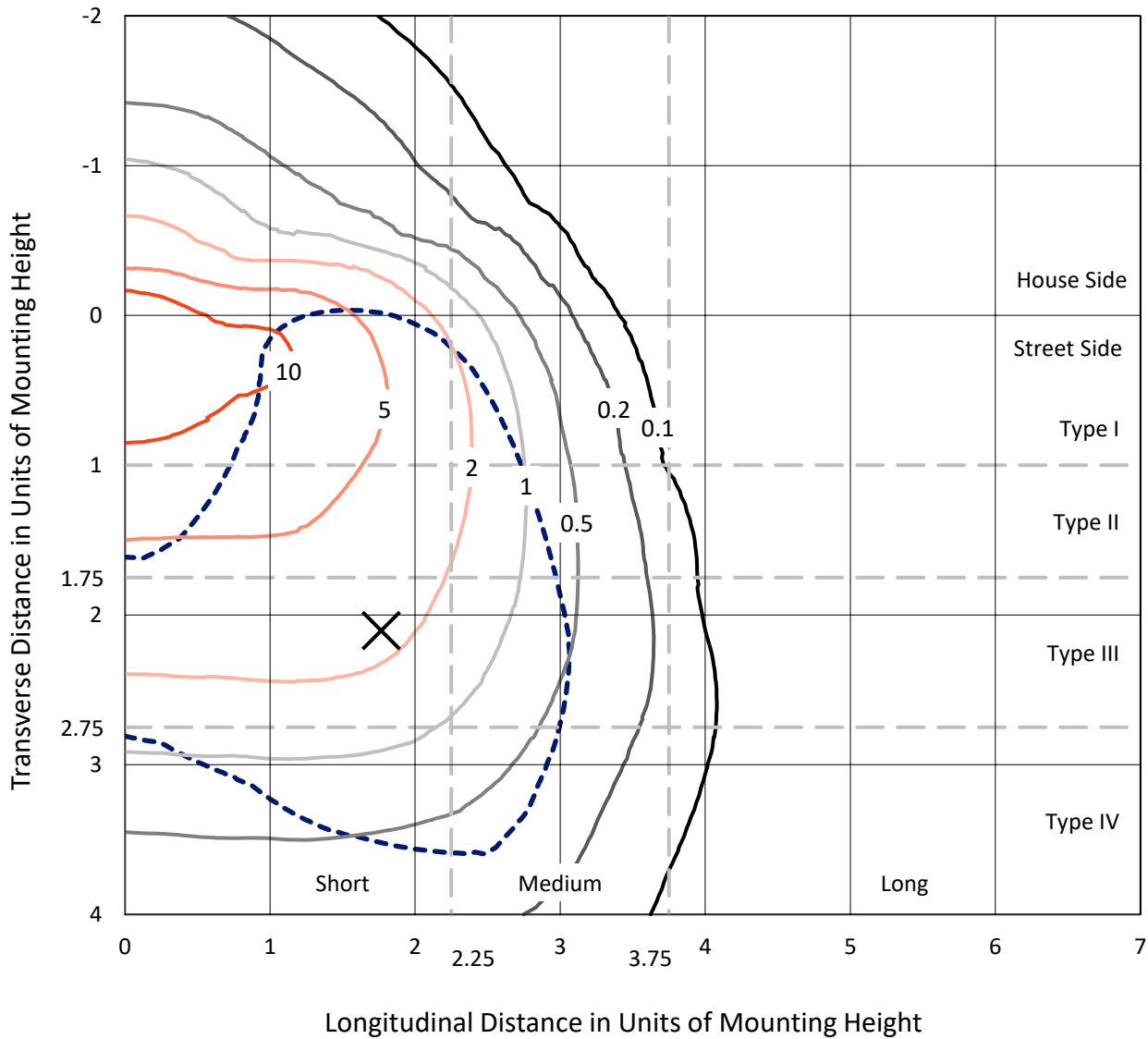
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632428
 CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

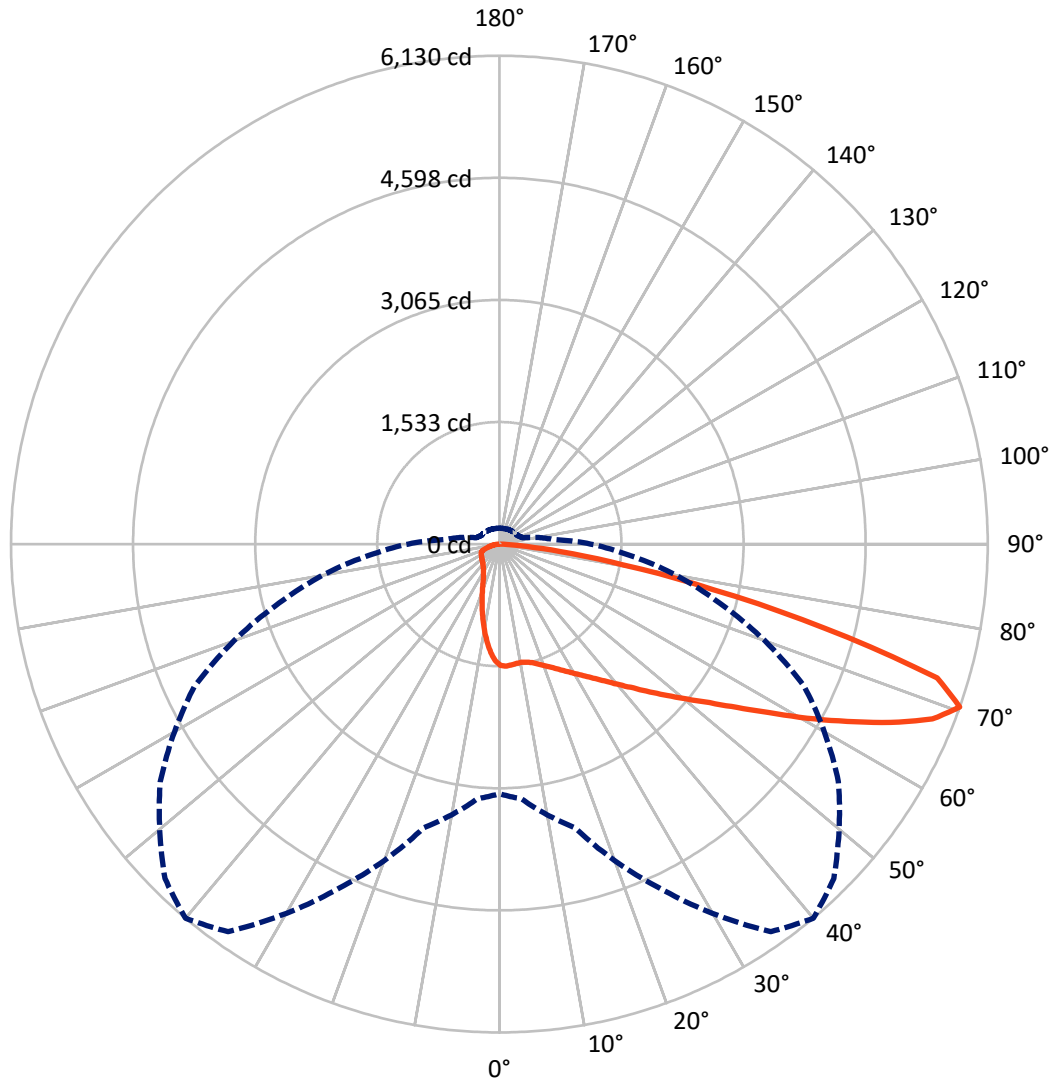
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P632428
CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632428

CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1381.3	0.0	1381.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	7586.5	0.0	7586.5
	% Fixture	84.6	0.0	84.6
Total	Lumens	8967.8	0.0	8967.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	1.5
10°-20°	350.7	3.9
20°-30°	550.6	6.1
30°-40°	827.8	9.2
40°-50°	1277.8	14.2
50°-60°	1897.6	21.2
60°-70°	2391.9	26.7
70°-80°	1383.2	15.4
80°-90°	153.5	1.7
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°	8967.8	100.0
0°-180°	8967.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632428

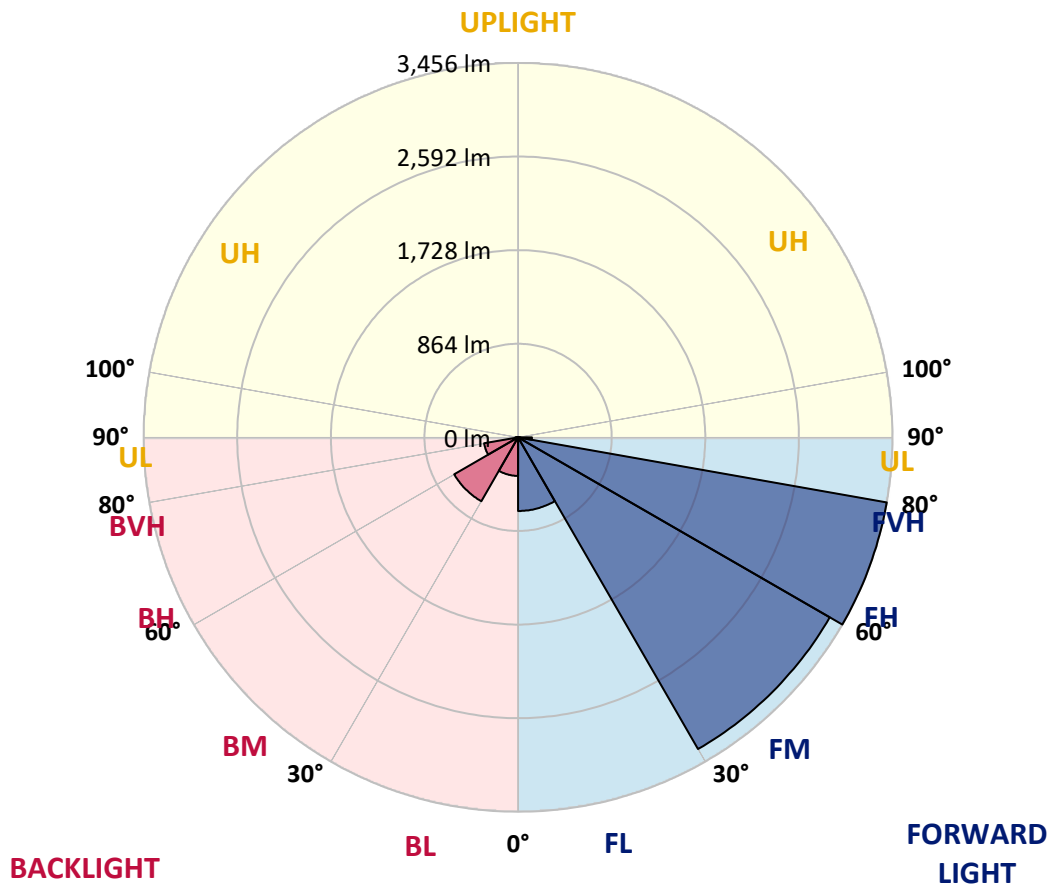
CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.8	7.6			
FM (30°-60°)	3322.5	37.0			
FH (60°-80°)	3456.4	38.5			G2/5000
FVH (80°-90°)	127.9	1.4			G2/225
BL (0°-30°)	356.0	4.0	B1/500		
BM (30°-60°)	680.8	7.6	B1/1000		
BH (60°-80°)	318.8	3.6	B1/500		G1/500
BVH (80°-90°)	25.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P632428
 CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1532.2	1534.9	1536.9	1539.6	1538.2	1534.2	1537.6	1537.6	1530.2	1522.2	1514.8
5°	1534.2	1537.6	1536.9	1536.2	1530.9	1524.2	1524.2	1520.2	1507.4	1494.7	1482.7
7.5°	1530.2	1529.5	1528.9	1526.9	1520.8	1513.5	1512.1	1504.1	1487.4	1470.0	1452.6
10°	1512.1	1511.5	1513.5	1518.1	1516.8	1510.1	1510.1	1502.8	1483.3	1461.9	1439.2
12.5°	1497.4	1497.4	1505.4	1518.1	1522.8	1520.2	1520.8	1515.5	1493.4	1467.9	1441.2
15°	1499.4	1500.1	1517.5	1538.2	1546.9	1544.9	1545.6	1539.6	1514.8	1489.4	1453.2
17.5°	1512.8	1516.1	1546.3	1575.0	1586.4	1583.7	1579.1	1569.0	1540.9	1512.1	1467.9
20°	1540.9	1546.3	1585.1	1621.2	1634.6	1628.6	1620.6	1600.5	1569.7	1538.2	1484.0
22.5°	1596.5	1599.8	1642.7	1678.1	1688.8	1681.5	1665.4	1636.6	1601.2	1568.4	1503.4
25°	1674.8	1678.8	1719.6	1752.4	1749.8	1741.1	1719.0	1683.5	1641.3	1606.5	1531.5
27.5°	1767.8	1774.5	1814.7	1840.8	1823.4	1810.7	1785.9	1743.1	1695.5	1664.1	1574.4
30°	1869.6	1872.3	1906.4	1932.5	1905.7	1888.3	1858.2	1812.0	1769.2	1745.7	1638.6
32.5°	1968.0	1970.6	2000.1	2014.8	1986.7	1974.0	1947.9	1899.0	1868.9	1856.2	1734.4
35°	2071.7	2071.1	2095.2	2107.9	2079.1	2073.7	2047.0	2009.5	2004.1	2020.9	1874.3
37.5°	2175.5	2169.5	2182.2	2198.9	2182.8	2188.2	2170.8	2158.1	2178.8	2222.3	2060.3
40°	2258.5	2258.5	2271.9	2292.6	2298.0	2321.4	2311.4	2328.1	2395.0	2498.8	2290.6
42.5°	2332.1	2332.8	2360.9	2393.0	2431.9	2468.0	2476.0	2519.5	2658.1	2820.8	2579.8
45°	2409.1	2409.8	2447.9	2494.8	2577.1	2646.1	2662.1	2759.8	2958.0	3156.1	2893.7
47.5°	2498.1	2490.8	2543.6	2622.0	2739.1	2838.2	2879.7	3018.2	3268.6	3512.2	3189.6
50°	2598.5	2583.1	2642.0	2777.2	2921.8	3057.7	3127.3	3286.0	3601.9	3840.9	3468.0
52.5°	2711.7	2702.9	2764.5	2929.2	3150.1	3306.7	3401.1	3609.3	3925.9	4168.2	3688.9
55°	2852.2	2831.5	2920.5	3130.0	3417.8	3617.3	3729.1	3929.2	4280.0	4465.4	3857.6
57.5°	3006.2	2983.4	3102.6	3381.0	3765.9	3984.8	4124.7	4289.4	4613.4	4693.0	3956.7
60°	3172.2	3164.8	3306.1	3675.6	4180.9	4435.3	4536.4	4685.6	4903.2	4824.9	3931.9
62.5°	3324.1	3321.5	3527.0	3994.8	4620.7	4900.5	4980.8	5020.3	5112.0	4816.2	3735.1
65°	3484.1	3506.9	3784.7	4365.0	5124.8	5399.2	5432.7	5332.3	5182.3	4587.9	3332.2
67.5°	3504.2	3548.4	3946.7	4711.8	5602.7	5861.7	5835.0	5450.7	4974.8	3952.7	2611.9
70°	3134.0	3211.0	3688.3	4764.6	5939.4	6130.2	5936.7	5195.7	4221.8	2863.6	1642.7
72.5°	2618.6	2684.9	3106.6	4063.1	5505.0	5748.0	5486.2	4397.8	2983.4	1642.7	836.7
75°	2038.3	2115.2	2504.1	3229.7	4121.4	4218.4	4087.2	3067.1	1640.0	677.4	380.2
77.5°	1243.7	1299.3	1601.8	2188.2	2883.7	2738.4	2320.7	1719.6	719.6	324.6	235.0
80°	550.2	584.4	789.2	1175.4	1666.1	1575.0	1241.7	734.3	393.6	206.2	164.0
82.5°	295.2	317.3	388.9	465.2	731.6	765.1	620.5	423.0	211.5	117.8	93.7
85°	129.9	142.6	176.7	168.7	240.3	236.3	238.3	290.5	101.1	54.2	60.9
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	7.4	38.8	10.0	16.1	14.1
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: P632428
 CATALOG NUMBER: GWS-SA2C-760-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1506.8	1494.7	1491.4	1487.4	1480.0	1467.3	1457.9	1447.2	1442.5	1437.2	1437.8
5°	1469.3	1454.6	1440.5	1422.4	1399.7	1374.2	1356.8	1336.7	1326.0	1316.0	1318.7
7.5°	1437.2	1414.4	1385.6	1347.5	1306.6	1261.1	1224.3	1195.5	1176.1	1162.7	1169.4
10°	1417.1	1390.3	1340.1	1277.8	1208.9	1139.3	1086.4	1036.9	1006.1	982.0	980.6
12.5°	1413.1	1378.2	1305.3	1214.9	1115.2	1022.1	944.5	877.6	836.7	806.6	818.0
15°	1417.1	1372.9	1275.2	1156.7	1030.8	905.0	808.6	731.6	682.8	655.3	653.3
17.5°	1421.8	1367.5	1241.0	1093.8	942.5	798.6	686.8	605.1	554.9	527.5	528.1
20°	1425.8	1359.5	1200.9	1024.8	852.8	699.5	583.7	506.0	461.2	441.1	444.5
22.5°	1432.5	1351.5	1158.0	951.2	761.1	603.8	502.0	439.1	412.3	398.9	399.6
25°	1445.2	1346.8	1113.8	870.9	670.7	527.5	445.8	403.6	386.9	378.9	378.2
27.5°	1471.3	1350.8	1067.7	793.2	589.1	469.2	409.7	382.2	370.8	365.5	364.8
30°	1514.8	1366.9	1027.5	714.2	518.8	423.7	384.9	368.2	361.5	356.8	356.1
32.5°	1581.1	1397.0	984.0	640.6	461.9	390.2	365.5	356.8	352.1	349.4	349.4
35°	1681.5	1451.9	941.1	576.3	417.7	364.1	350.1	346.7	342.7	341.4	342.7
37.5°	1826.1	1539.6	902.3	520.1	386.2	344.1	333.4	334.7	331.3	333.4	335.4
40°	2009.5	1656.7	869.5	473.9	362.8	329.3	318.6	323.3	321.3	323.3	326.7
42.5°	2241.7	1802.0	844.8	437.8	346.1	317.3	307.2	311.9	310.6	313.3	316.6
45°	2500.8	1993.4	833.4	412.3	334.0	308.6	297.9	301.2	299.9	301.9	305.2
47.5°	2749.1	2167.4	843.4	397.6	324.0	301.2	289.8	291.2	290.5	289.8	291.8
50°	2963.3	2306.0	872.2	392.9	317.3	293.9	283.1	283.8	281.8	277.8	279.1
52.5°	3138.0	2417.1	889.6	392.9	313.9	285.8	275.8	276.5	272.4	267.1	267.8
55°	3253.2	2462.0	875.5	392.3	312.6	279.1	268.4	269.1	265.1	258.4	259.0
57.5°	3286.0	2418.5	816.6	384.9	311.3	273.8	261.1	262.4	259.7	252.4	252.4
60°	3194.3	2259.2	708.9	368.2	307.9	270.4	255.7	257.7	256.4	249.0	249.0
62.5°	2954.0	1976.0	580.4	342.7	298.5	266.4	251.0	255.0	258.4	254.4	253.7
65°	2504.1	1583.1	471.9	314.6	286.5	259.7	244.3	254.4	261.7	267.1	267.1
67.5°	1878.9	1133.3	384.9	285.2	268.4	246.3	235.6	245.0	250.3	253.7	255.7
70°	1145.3	666.7	303.2	251.0	242.3	226.2	218.2	208.8	201.5	200.1	200.8
72.5°	560.3	381.5	246.3	213.5	206.8	192.1	174.0	170.0	166.7	164.7	164.0
75°	308.6	265.7	203.5	177.4	165.3	147.3	143.2	136.6	135.2	132.5	133.2
77.5°	218.2	209.5	168.0	143.9	125.8	116.5	118.5	113.8	113.8	111.8	111.1
80°	164.0	164.7	129.2	105.1	93.0	89.7	91.7	91.7	90.4	89.7	89.0
82.5°	103.8	117.1	87.0	67.6	66.3	66.9	66.3	65.6	66.9	64.9	64.3
85°	71.6	84.3	52.9	40.2	40.2	39.5	40.8	40.2	41.5	39.5	39.5
87.5°	16.1	37.5	19.4	12.0	12.7	12.0	12.7	13.4	14.7	15.4	15.4
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)