

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: P634091

Luminaire Tested: GWS-SA3B-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7601.5 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

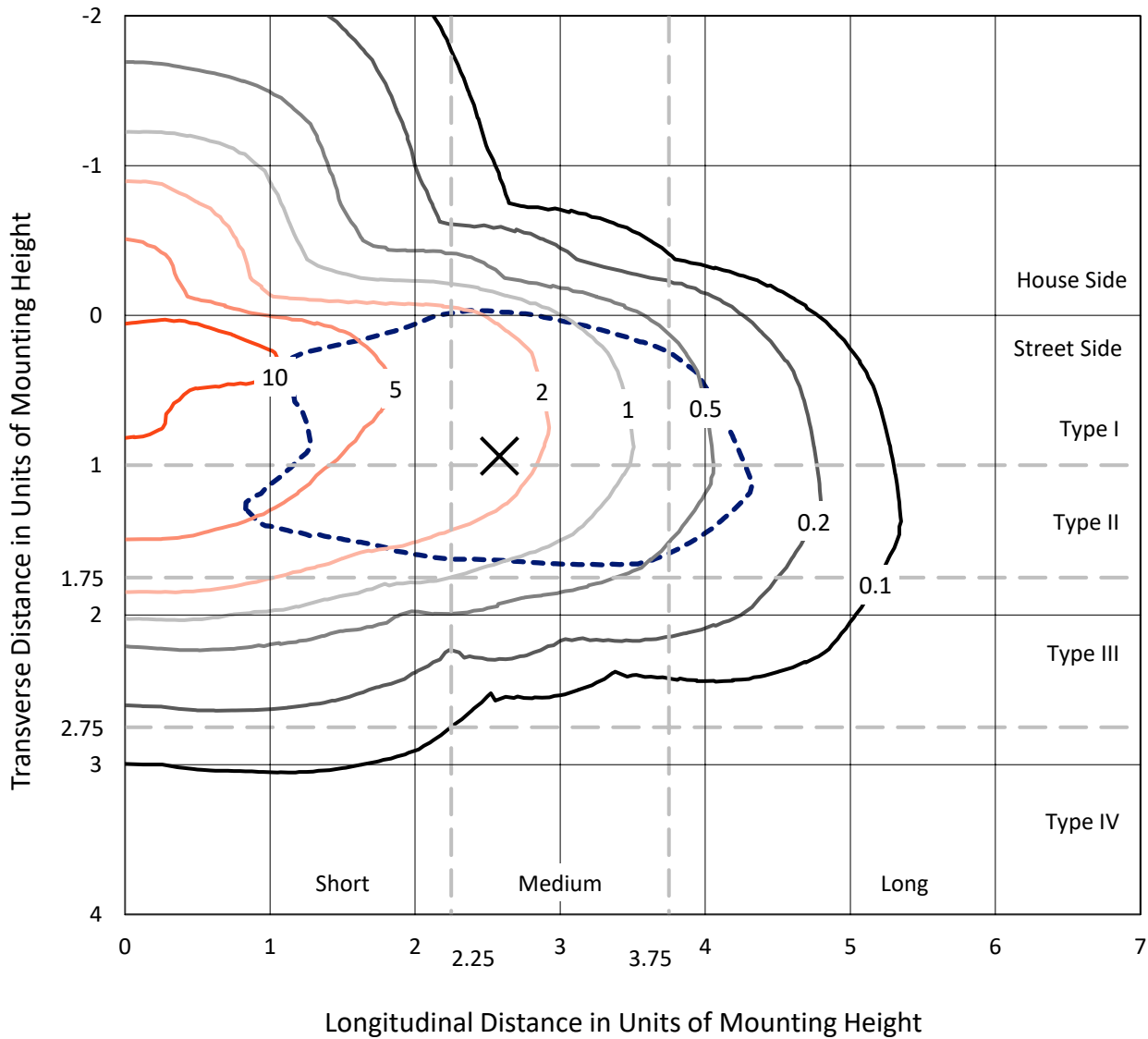
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

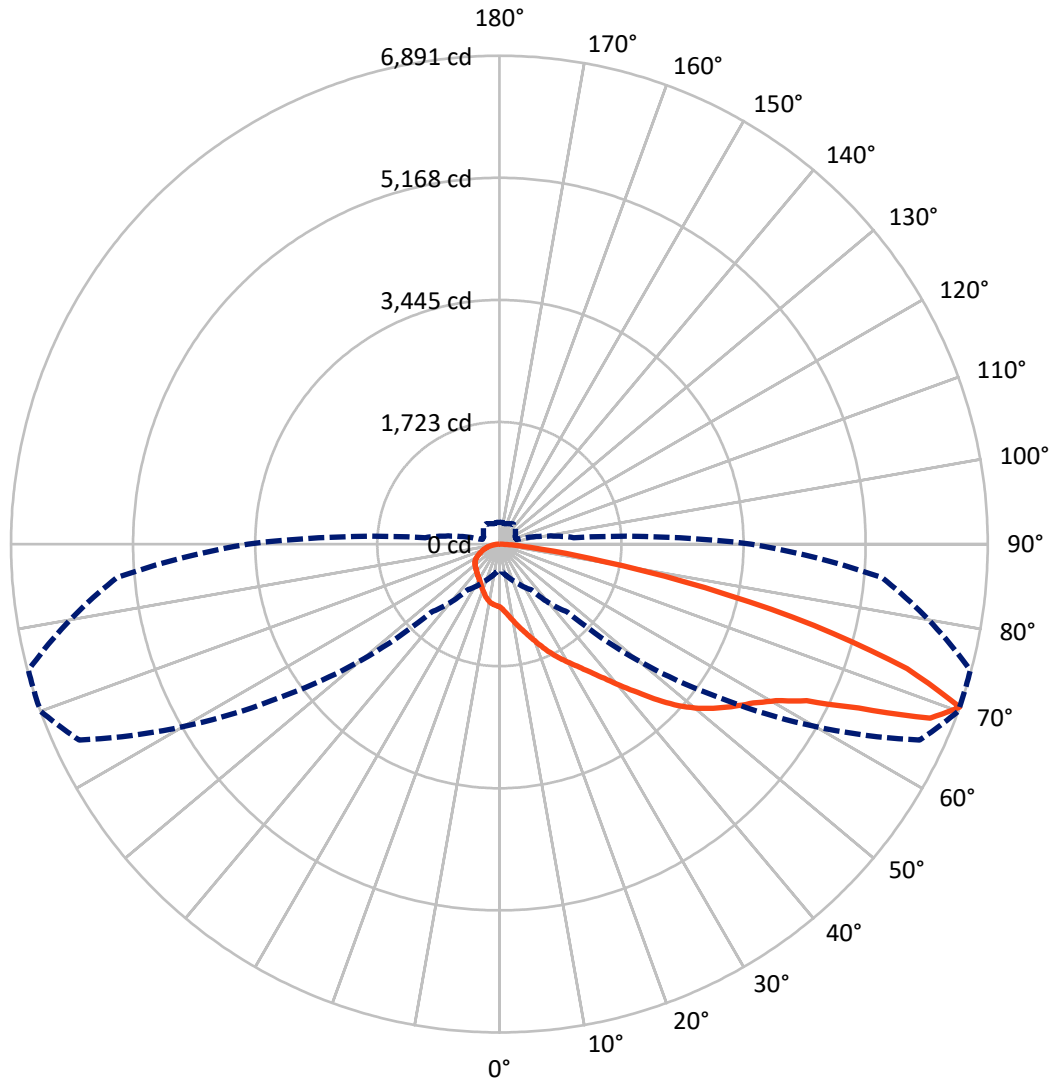
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P634091
CATALOG NUMBER: GWS-SA3B-722-U-T2-W

Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.2	0.0	1362.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6239.3	0.0	6239.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	7601.5	0.0	7601.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.2
10°-20°	293.1	3.9
20°-30°	519.2	6.8
30°-40°	781.5	10.3
40°-50°	1182.3	15.6
50°-60°	1693.7	22.3
60°-70°	1872.2	24.6
70°-80°	1056.5	13.9
80°-90°	113.0	1.5
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°	7601.5	100.0
0°-180°	7601.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634091

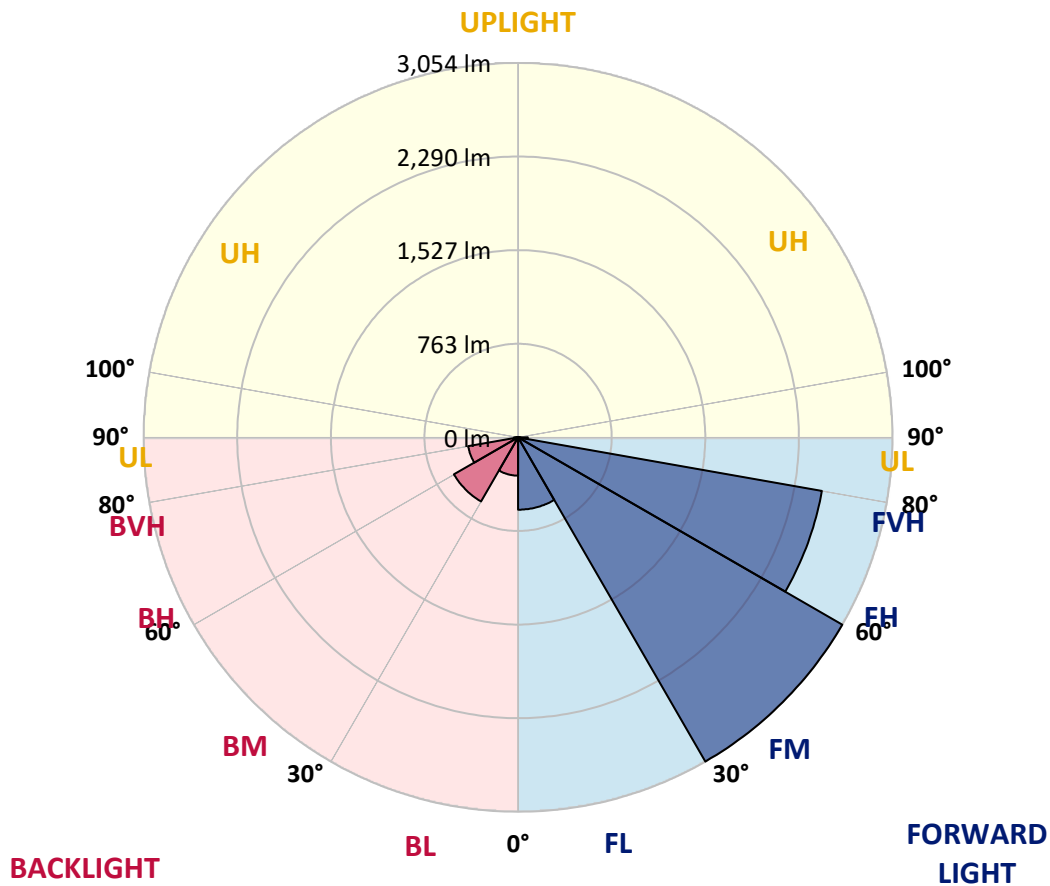
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.1	7.8			
FM (30°-60°)	3053.5	40.2			
FH (60°-80°)	2515.8	33.1			G2/5000
FVH (80°-90°)	79.9	1.1			G1/100
BL (0°-30°)	312.3	4.1	B1/500		
BM (30°-60°)	603.9	7.9	B1/1000		
BH (60°-80°)	412.9	5.4	B1/500		G1/500
BVH (80°-90°)	33.1	0.4			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 II Medium





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 CATALOG NUMBER: GWS-SA3B-722-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5
2.5°	982.1	980.4	981.5	980.4	974.4	959.5	947.5	932.1	921.6	915.6	901.3
5°	1097.4	1095.8	1091.9	1086.4	1075.4	1055.1	1024.9	991.4	971.1	955.7	925.5
7.5°	1180.3	1180.3	1179.8	1173.2	1165.5	1144.1	1108.4	1064.4	1034.8	1008.4	959.0
10°	1222.6	1225.4	1229.2	1238.6	1236.9	1225.4	1191.9	1144.6	1107.3	1076.5	1002.9
12.5°	1245.7	1247.4	1253.9	1273.2	1292.9	1295.7	1275.9	1226.5	1185.8	1144.6	1051.8
15°	1275.4	1275.9	1284.7	1307.8	1336.9	1366.0	1361.0	1311.6	1269.9	1224.3	1106.2
17.5°	1298.4	1302.3	1318.2	1345.1	1381.4	1421.5	1445.6	1414.9	1363.2	1311.1	1165.5
20°	1306.7	1309.4	1330.3	1371.5	1420.9	1477.5	1531.3	1523.1	1470.9	1409.4	1232.5
22.5°	1336.3	1336.3	1351.7	1386.3	1444.5	1526.9	1614.3	1635.7	1589.5	1517.6	1304.5
25°	1401.7	1399.5	1406.6	1420.9	1464.9	1566.5	1696.1	1760.4	1708.7	1628.0	1376.4
27.5°	1491.2	1490.1	1489.6	1491.8	1506.6	1601.1	1765.3	1876.8	1825.2	1734.0	1440.7
30°	1588.4	1585.1	1592.3	1585.7	1582.4	1642.3	1824.1	1981.2	1941.1	1838.9	1494.0
32.5°	1720.8	1714.8	1713.1	1691.7	1678.5	1706.5	1871.3	2099.8	2067.9	1952.0	1553.8
35°	1895.5	1890.0	1862.0	1827.9	1788.9	1802.1	1930.1	2215.7	2217.9	2093.7	1632.4
37.5°	2071.8	2072.9	2050.9	1970.7	1930.6	1922.9	2019.6	2356.8	2404.1	2262.9	1734.0
40°	2218.4	2225.0	2225.0	2140.4	2080.6	2073.4	2145.4	2524.4	2618.3	2470.5	1862.5
42.5°	2329.9	2336.0	2355.2	2294.2	2231.1	2255.8	2298.1	2692.4	2861.1	2727.0	2025.1
45°	2452.4	2457.4	2467.8	2432.6	2395.8	2461.7	2471.1	2893.5	3139.0	3014.8	2214.0
47.5°	2615.0	2610.6	2611.7	2585.9	2557.3	2663.9	2661.7	3062.6	3407.6	3330.1	2418.9
50°	2817.1	2825.4	2817.7	2766.6	2733.1	2830.3	2842.9	3249.9	3643.7	3642.1	2625.4
52.5°	3011.5	3014.8	3055.5	3057.7	2989.0	2968.7	3001.7	3438.9	3843.1	3927.7	2823.7
55°	3021.4	3034.1	3156.0	3243.9	3354.8	3191.7	3162.0	3619.0	4035.9	4207.3	3029.7
57.5°	2811.1	2831.4	3038.5	3228.0	3536.6	3574.5	3436.7	3851.9	4228.7	4482.4	3268.0
60°	2361.8	2404.1	2685.3	2975.3	3454.8	3849.7	3998.6	4168.3	4481.9	4763.7	3557.5
62.5°	1508.2	1524.7	1919.1	2404.6	3086.2	3822.8	4610.4	4725.8	4867.5	5130.0	4003.5
65°	755.2	807.9	1039.2	1435.2	2225.6	3368.6	4919.6	5746.8	5573.3	5757.3	4726.3
67.5°	512.5	529.5	646.5	862.3	1305.0	2386.5	4728.0	6606.9	6555.9	6586.1	5496.9
70°	377.9	388.9	481.1	610.8	789.3	1355.0	3764.0	6542.1	6890.9	6879.9	5416.2
72.5°	275.7	281.2	351.0	466.3	585.0	700.8	2298.6	5284.9	6015.4	6332.3	4736.7
75°	200.5	207.1	243.9	348.8	454.8	437.2	1134.8	3817.3	4587.4	5197.0	3859.0
77.5°	149.4	157.6	174.7	218.6	318.6	313.1	490.5	2478.8	2967.1	3394.4	2344.2
80°	107.7	109.3	119.2	140.1	202.1	183.5	233.4	1292.4	1481.9	1623.6	918.9
82.5°	65.4	67.0	79.6	86.2	125.2	115.3	121.4	418.5	599.8	636.6	343.3
85°	19.2	20.3	36.3	39.5	52.2	49.4	48.9	170.3	203.2	259.8	135.1
87.5°	0.0	0.0	0.0	0.0	0.5	3.3	6.0	30.2	45.6	63.2	33.0
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°	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5	886.5
2.5°	895.8	883.2	876.6	865.1	856.8	848.6	840.4	832.7	829.4	824.4	825.5
5°	911.8	892.0	872.2	849.7	830.5	814.5	800.3	787.6	782.1	777.2	779.4
7.5°	935.9	906.3	868.4	827.2	797.0	775.0	760.2	751.4	748.6	744.8	744.8
10°	966.7	922.2	855.7	797.0	760.7	743.1	736.5	736.0	738.7	739.3	738.2
12.5°	1000.7	937.6	837.1	761.3	730.5	725.0	730.0	739.3	748.6	753.6	752.5
15°	1035.9	947.5	805.2	727.2	708.5	715.7	731.6	750.3	768.4	777.7	777.2
17.5°	1068.8	949.7	764.0	694.3	689.3	707.4	734.9	764.0	788.7	801.9	802.5
20°	1105.6	945.8	721.7	664.6	670.1	699.7	736.0	771.1	800.3	813.4	816.7
22.5°	1139.1	932.6	680.5	636.6	653.6	690.4	727.2	760.2	786.0	798.6	803.0
25°	1169.4	907.4	635.5	613.0	641.0	677.2	705.2	728.3	746.4	754.1	760.2
27.5°	1185.8	869.5	601.4	594.3	628.9	658.6	673.9	681.1	687.1	684.9	689.3
30°	1189.1	822.2	571.8	579.5	610.8	632.7	636.0	628.9	618.5	601.4	605.3
32.5°	1185.8	767.9	547.1	563.5	590.4	603.6	599.2	580.6	555.3	528.9	530.6
35°	1186.9	712.9	526.7	546.0	566.8	574.0	563.0	537.2	510.3	486.1	485.0
37.5°	1199.0	666.8	509.7	528.9	543.8	544.9	532.8	505.9	492.1	474.0	471.8
40°	1232.5	632.7	494.3	511.9	521.2	520.7	507.0	487.7	497.1	491.0	489.4
42.5°	1287.4	611.9	481.7	493.8	500.4	501.5	490.5	478.4	498.7	491.0	488.3
45°	1375.9	610.8	472.9	475.7	486.1	493.8	486.1	472.4	480.0	442.7	435.6
47.5°	1480.8	629.4	466.3	459.7	477.8	491.6	479.5	457.5	441.6	407.5	402.6
50°	1607.1	667.3	460.3	442.7	465.8	483.3	471.3	441.0	416.9	398.8	396.0
52.5°	1757.1	717.3	452.6	423.5	447.6	478.9	471.3	439.4	407.5	391.1	388.3
55°	1914.1	775.0	443.8	400.4	427.3	480.0	475.1	427.9	400.4	391.6	389.4
57.5°	2109.1	844.2	427.9	373.5	409.2	470.2	459.7	421.3	395.5	388.3	386.1
60°	2362.3	946.9	397.7	346.0	388.3	452.6	446.0	410.3	382.3	376.2	374.6
62.5°	2763.3	1121.0	360.9	319.7	363.6	415.8	425.7	389.4	365.8	365.3	364.7
65°	3416.9	1330.3	317.5	296.0	337.8	385.6	398.8	368.0	348.8	354.8	354.3
67.5°	3875.0	1348.4	281.8	271.3	307.6	352.6	371.8	346.0	325.2	336.7	336.1
70°	3549.3	1051.8	251.0	245.5	275.2	316.9	342.7	318.6	297.7	308.7	306.5
72.5°	2993.4	806.3	221.9	218.6	242.2	279.6	305.4	291.1	269.1	269.1	264.2
75°	2405.7	665.1	191.1	189.5	205.4	241.7	270.8	246.6	226.3	225.2	221.9
77.5°	1379.7	436.1	160.4	159.3	164.2	202.1	210.4	205.4	190.0	182.9	180.7
80°	549.8	226.8	126.3	119.2	124.1	148.3	165.9	157.6	144.5	135.7	130.7
82.5°	213.1	113.7	89.0	78.0	85.1	107.1	120.3	117.5	108.8	89.0	83.5
85°	86.8	55.5	53.3	45.0	49.4	57.7	69.2	59.9	49.4	35.2	33.5
87.5°	23.1	20.3	19.8	12.1	9.3	2.7	0.5	0.0	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)