

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: P632331

Luminaire Tested: GWS-SA2C-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632331
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-SA2C-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9182.6 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

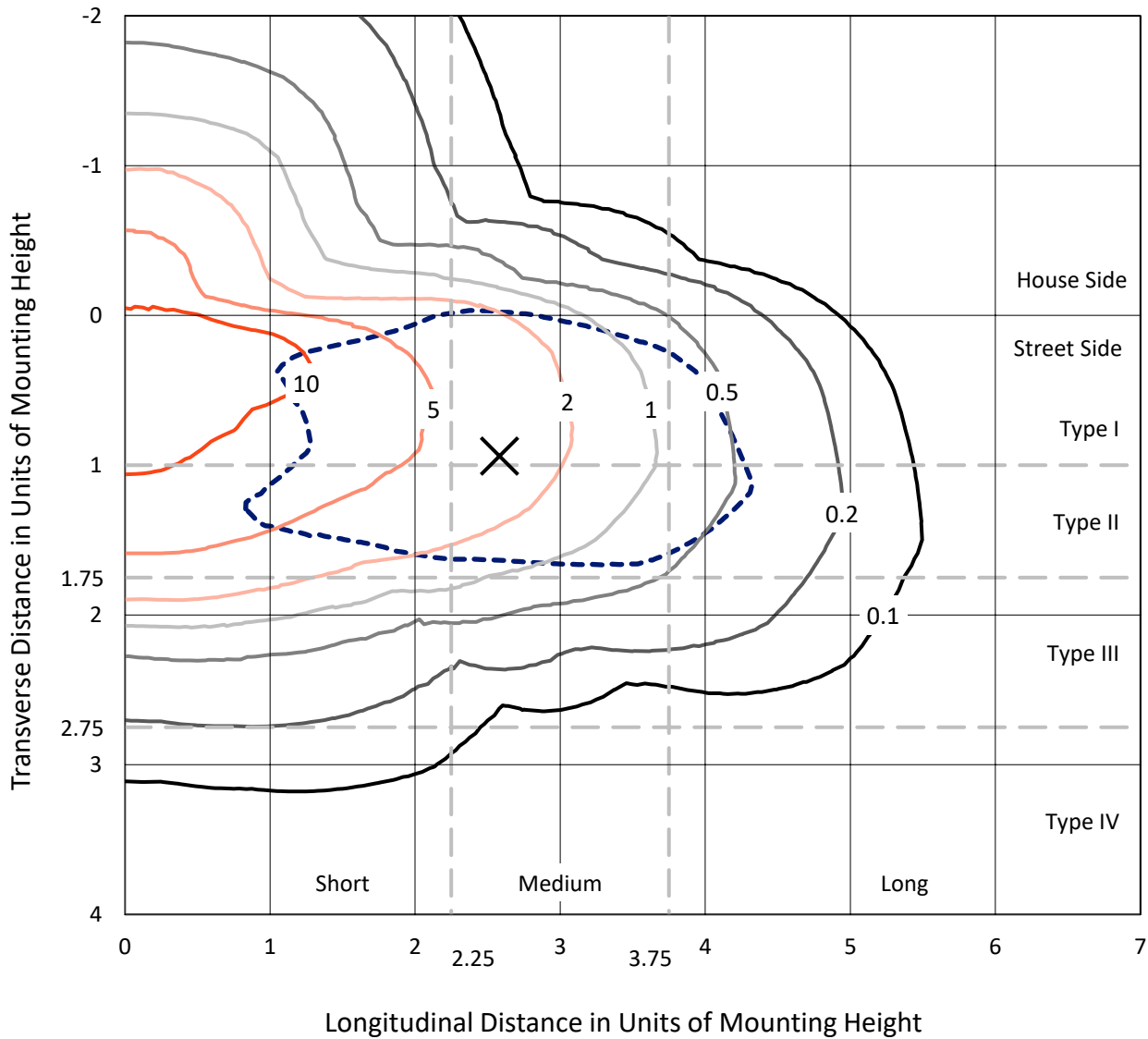
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

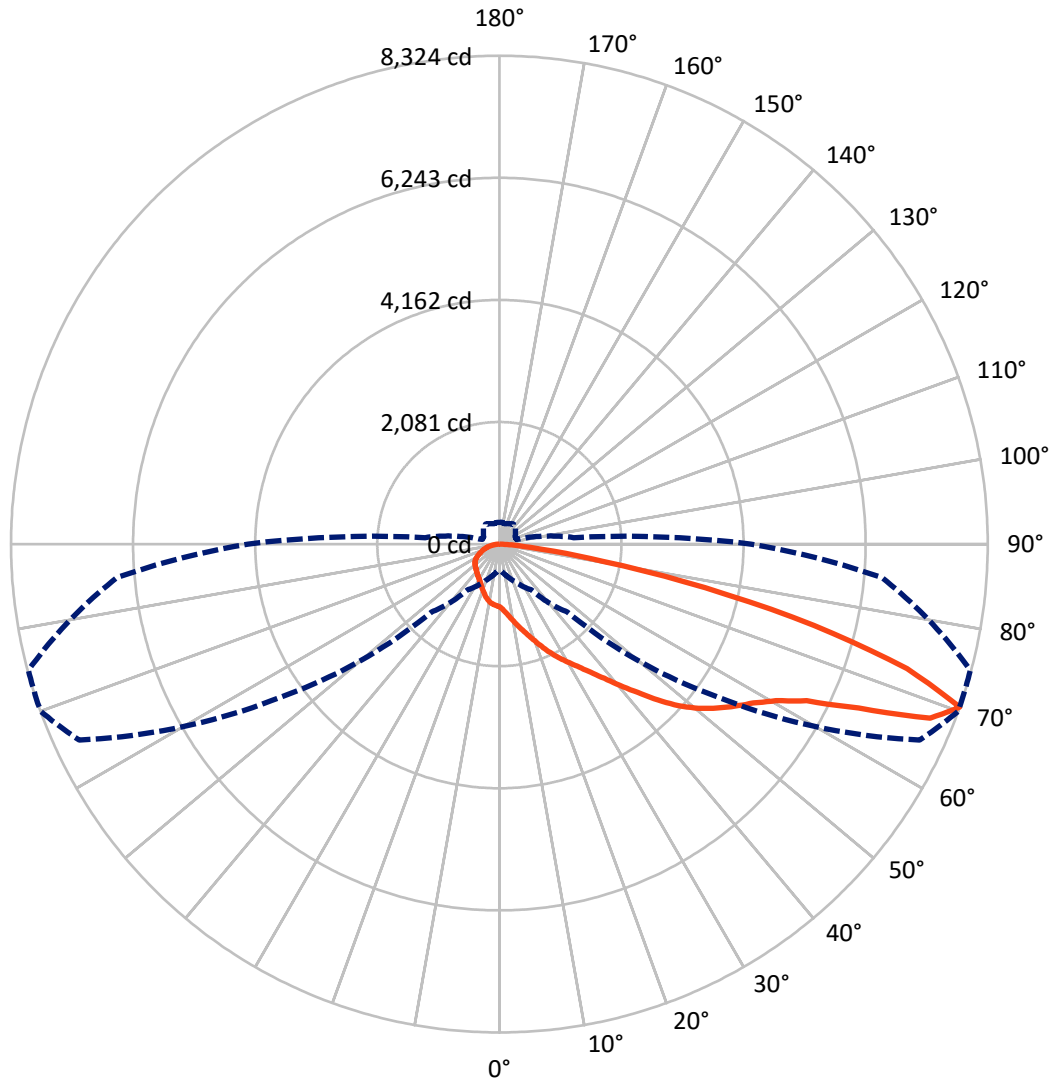
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type II - Medium - N/A

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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	1645.5	0.0	1645.5
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	7537.1	0.0	7537.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	9182.6	0.0	9182.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	1.2
10°-20°	354.1	3.9
20°-30°	627.2	6.8
30°-40°	944.0	10.3
40°-50°	1428.2	15.6
50°-60°	2045.9	22.3
60°-70°	2261.6	24.6
70°-80°	1276.2	13.9
80°-90°	136.5	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°	9182.6	100.0
0°-180°	9182.6	100.0

Coefficient of Utilization



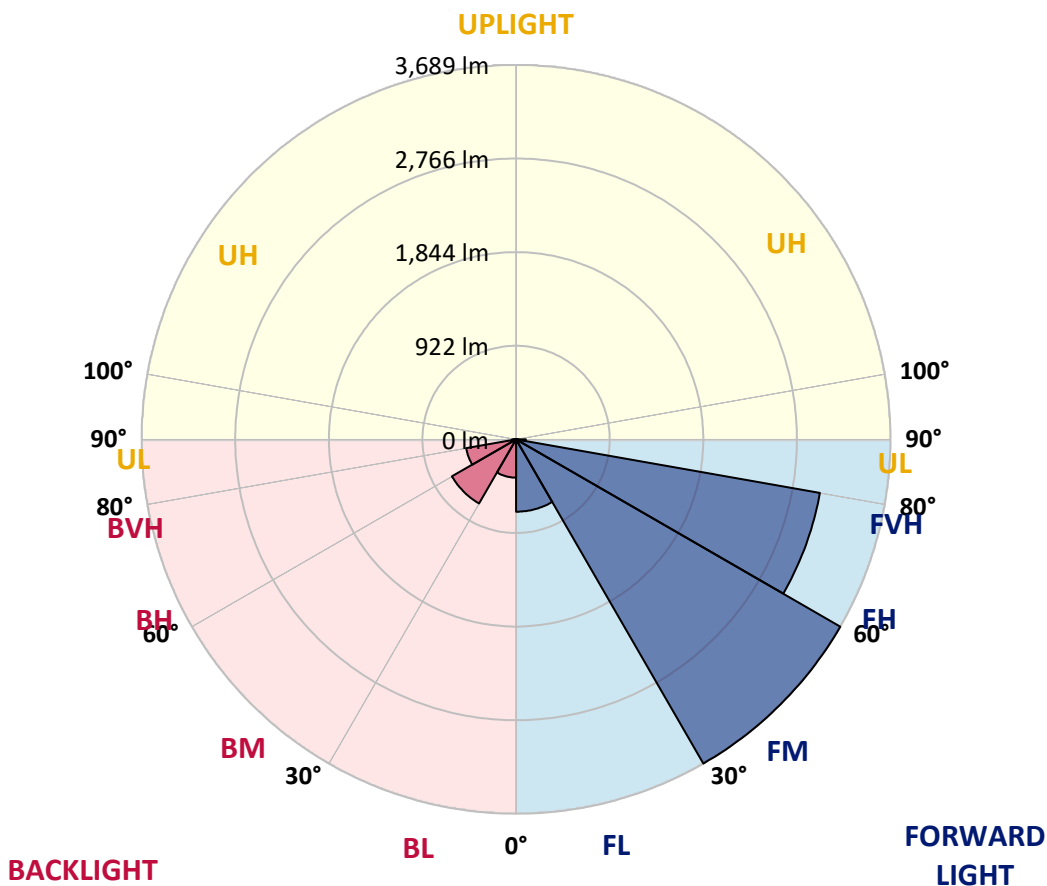
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.9	7.8			
FM (30°-60°)	3688.6	40.2			
FH (60°-80°)	3039.1	33.1			G2/5000
FVH (80°-90°)	96.5	1.1			G1/100
BL (0°-30°)	377.3	4.1	B1/500		
BM (30°-60°)	729.5	7.9	B1/1000		
BH (60°-80°)	498.7	5.4	B1/500		G1/500
BVH (80°-90°)	40.0	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9
2.5°	1186.3	1184.3	1185.7	1184.3	1177.0	1159.1	1144.5	1126.0	1113.3	1106.0	1088.8
5°	1325.7	1323.7	1319.0	1312.4	1299.1	1274.6	1238.1	1197.6	1173.1	1154.5	1118.0
7.5°	1425.9	1425.9	1425.2	1417.2	1407.9	1382.1	1338.9	1285.9	1250.0	1218.2	1158.5
10°	1476.9	1480.3	1484.9	1496.2	1494.2	1480.3	1439.8	1382.7	1337.6	1300.5	1211.5
12.5°	1504.8	1506.8	1514.8	1538.0	1561.9	1565.2	1541.3	1481.6	1432.5	1382.7	1270.6
15°	1540.6	1541.3	1551.9	1579.8	1614.9	1650.1	1644.1	1584.4	1534.0	1478.9	1336.3
17.5°	1568.5	1573.1	1592.4	1624.9	1668.7	1717.1	1746.3	1709.2	1646.8	1583.8	1407.9
20°	1578.5	1581.8	1607.0	1656.7	1716.5	1784.8	1849.8	1839.9	1776.8	1702.5	1488.9
22.5°	1614.3	1614.3	1632.9	1674.7	1745.0	1844.5	1950.0	1975.9	1920.2	1833.2	1575.8
25°	1693.2	1690.6	1699.2	1716.5	1769.5	1892.3	2048.9	2126.5	2064.1	1966.6	1662.7
27.5°	1801.4	1800.1	1799.4	1802.1	1820.0	1934.1	2132.5	2267.2	2204.8	2094.7	1740.3
30°	1918.8	1914.8	1923.5	1915.5	1911.5	1983.9	2203.5	2393.2	2344.8	2221.4	1804.7
32.5°	2078.7	2071.4	2069.4	2043.6	2027.6	2061.5	2260.5	2536.5	2498.1	2358.1	1877.0
35°	2289.7	2283.1	2249.2	2208.1	2161.0	2176.9	2331.5	2676.5	2679.2	2529.2	1971.9
37.5°	2502.7	2504.0	2477.5	2380.6	2332.2	2322.9	2439.7	2847.1	2904.1	2733.6	2094.7
40°	2679.9	2687.8	2687.8	2585.6	2513.3	2504.7	2591.6	3049.4	3162.9	2984.4	2249.9
42.5°	2814.5	2821.8	2845.1	2771.4	2695.1	2725.0	2776.1	3252.5	3456.1	3294.3	2446.3
45°	2962.5	2968.5	2981.1	2938.6	2894.2	2973.8	2985.1	3495.3	3791.9	3641.9	2674.5
47.5°	3158.9	3153.6	3154.9	3123.7	3089.2	3218.0	3215.3	3699.6	4116.3	4022.8	2922.0
50°	3403.1	3413.0	3403.7	3342.0	3301.6	3419.0	3434.3	3925.9	4401.6	4399.6	3171.5
52.5°	3637.9	3641.9	3691.0	3693.7	3610.7	3586.2	3626.0	4154.1	4642.5	4744.7	3411.0
55°	3649.9	3665.1	3812.4	3918.6	4052.6	3855.6	3819.7	4371.8	4875.4	5082.4	3659.8
57.5°	3395.8	3420.3	3670.5	3899.4	4272.2	4318.0	4151.5	4653.1	5108.2	5414.8	3947.8
60°	2853.0	2904.1	3243.8	3594.2	4173.4	4650.4	4830.2	5035.3	5414.1	5754.5	4297.5
62.5°	1822.0	1841.9	2318.3	2904.8	3728.2	4617.9	5569.4	5708.7	5879.9	6197.0	4836.2
65°	912.3	976.0	1255.3	1733.7	2688.5	4069.2	5942.9	6942.2	6732.5	6954.8	5709.4
67.5°	619.0	639.6	780.9	1041.7	1576.5	2882.9	5711.4	7981.2	7919.5	7956.0	6640.3
70°	456.5	469.8	581.2	737.8	953.4	1636.8	4546.9	7902.9	8324.2	8310.9	6542.7
72.5°	333.1	339.7	424.0	563.3	706.6	846.6	2776.7	6384.2	7266.6	7649.4	5722.0
75°	242.2	250.1	294.6	421.3	549.4	528.1	1370.8	4611.3	5541.5	6278.0	4661.7
77.5°	180.5	190.4	211.0	264.1	384.8	378.2	592.5	2994.4	3584.2	4100.4	2831.8
80°	130.0	132.0	144.0	169.2	244.2	221.6	282.0	1561.2	1790.1	1961.3	1110.0
82.5°	79.0	80.9	96.2	104.2	151.3	139.3	146.6	505.6	724.5	769.0	414.7
85°	23.2	24.5	43.8	47.8	63.0	59.7	59.1	205.7	245.5	313.8	163.2
87.5°	0.0	0.0	0.0	0.0	0.7	4.0	7.3	36.5	55.1	76.3	39.8
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°	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9	1070.9
2.5°	1082.2	1066.9	1058.9	1045.0	1035.1	1025.1	1015.1	1005.9	1001.9	995.9	997.2
5°	1101.4	1077.5	1053.6	1026.4	1003.2	984.0	966.7	951.5	944.8	938.8	941.5
7.5°	1130.6	1094.8	1049.0	999.2	962.7	936.2	918.3	907.7	904.3	899.7	899.7
10°	1167.8	1114.0	1033.7	962.7	918.9	897.7	889.7	889.1	892.4	893.1	891.7
12.5°	1208.9	1132.6	1011.2	919.6	882.4	875.8	881.8	893.1	904.3	910.3	909.0
15°	1251.4	1144.5	972.7	878.5	855.9	864.5	883.8	906.3	928.2	939.5	938.8
17.5°	1291.2	1147.2	922.9	838.7	832.7	854.6	887.8	922.9	952.8	968.7	969.4
20°	1335.6	1142.5	871.8	802.8	809.5	845.3	889.1	931.5	966.7	982.6	986.6
22.5°	1376.1	1126.6	822.1	769.0	789.6	834.0	878.5	918.3	949.5	964.7	970.0
25°	1412.6	1096.1	767.7	740.5	774.3	818.1	851.9	879.8	901.7	911.0	918.3
27.5°	1432.5	1050.3	726.5	717.9	759.7	795.5	814.1	822.7	830.0	827.4	832.7
30°	1436.5	993.3	690.7	700.0	737.8	764.3	768.3	759.7	747.1	726.5	731.2
32.5°	1432.5	927.6	660.8	680.7	713.3	729.2	723.9	701.3	670.8	638.9	640.9
35°	1433.8	861.2	636.3	659.5	684.7	693.4	680.1	648.9	616.4	587.2	585.9
37.5°	1448.4	805.5	615.7	638.9	656.9	658.2	643.6	611.1	594.5	572.6	569.9
40°	1488.9	764.3	597.1	618.4	629.7	629.0	612.4	589.2	600.5	593.2	591.2
42.5°	1555.2	739.1	581.9	596.5	604.4	605.8	592.5	577.9	602.5	593.2	589.8
45°	1662.1	737.8	571.3	574.6	587.2	596.5	587.2	570.6	579.9	534.8	526.2
47.5°	1788.8	760.4	563.3	555.3	577.2	593.8	579.2	552.7	533.5	492.3	486.3
50°	1941.4	806.1	556.0	534.8	562.6	583.9	569.3	532.8	503.6	481.7	478.4
52.5°	2122.5	866.5	546.7	511.6	540.7	578.6	569.3	530.8	492.3	472.4	469.1
55°	2312.3	936.2	536.1	483.7	516.2	579.9	573.9	516.9	483.7	473.1	470.4
57.5°	2547.8	1019.8	516.9	451.2	494.3	568.0	555.3	508.9	477.7	469.1	466.4
60°	2853.7	1143.9	480.4	418.0	469.1	546.7	538.8	495.6	461.8	454.5	452.5
62.5°	3338.0	1354.2	435.9	386.2	439.2	502.3	514.2	470.4	441.9	441.2	440.6
65°	4127.6	1607.0	383.5	357.6	408.0	465.8	481.7	444.5	421.3	428.6	428.0
67.5°	4681.0	1628.9	340.4	327.8	371.6	426.0	449.2	418.0	392.8	406.7	406.1
70°	4287.5	1270.6	303.2	296.6	332.4	382.8	414.0	384.8	359.6	372.9	370.2
72.5°	3616.0	974.0	268.1	264.1	292.6	337.7	368.9	351.7	325.1	325.1	319.1
75°	2906.1	803.5	230.9	228.9	248.1	291.9	327.1	297.9	273.4	272.0	268.1
77.5°	1666.7	526.8	193.7	192.4	198.4	244.2	254.1	248.1	229.6	220.9	218.3
80°	664.2	274.0	152.6	144.0	149.9	179.1	200.4	190.4	174.5	163.9	157.9
82.5°	257.4	137.3	107.5	94.2	102.8	129.4	145.3	142.0	131.4	107.5	100.9
85°	104.8	67.0	64.4	54.4	59.7	69.7	83.6	72.3	59.7	42.5	40.5
87.5°	27.9	24.5	23.9	14.6	11.3	3.3	0.7	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)