

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: P629835

Luminaire Tested: GWS-SA1C-740-U-RWR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-RWR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

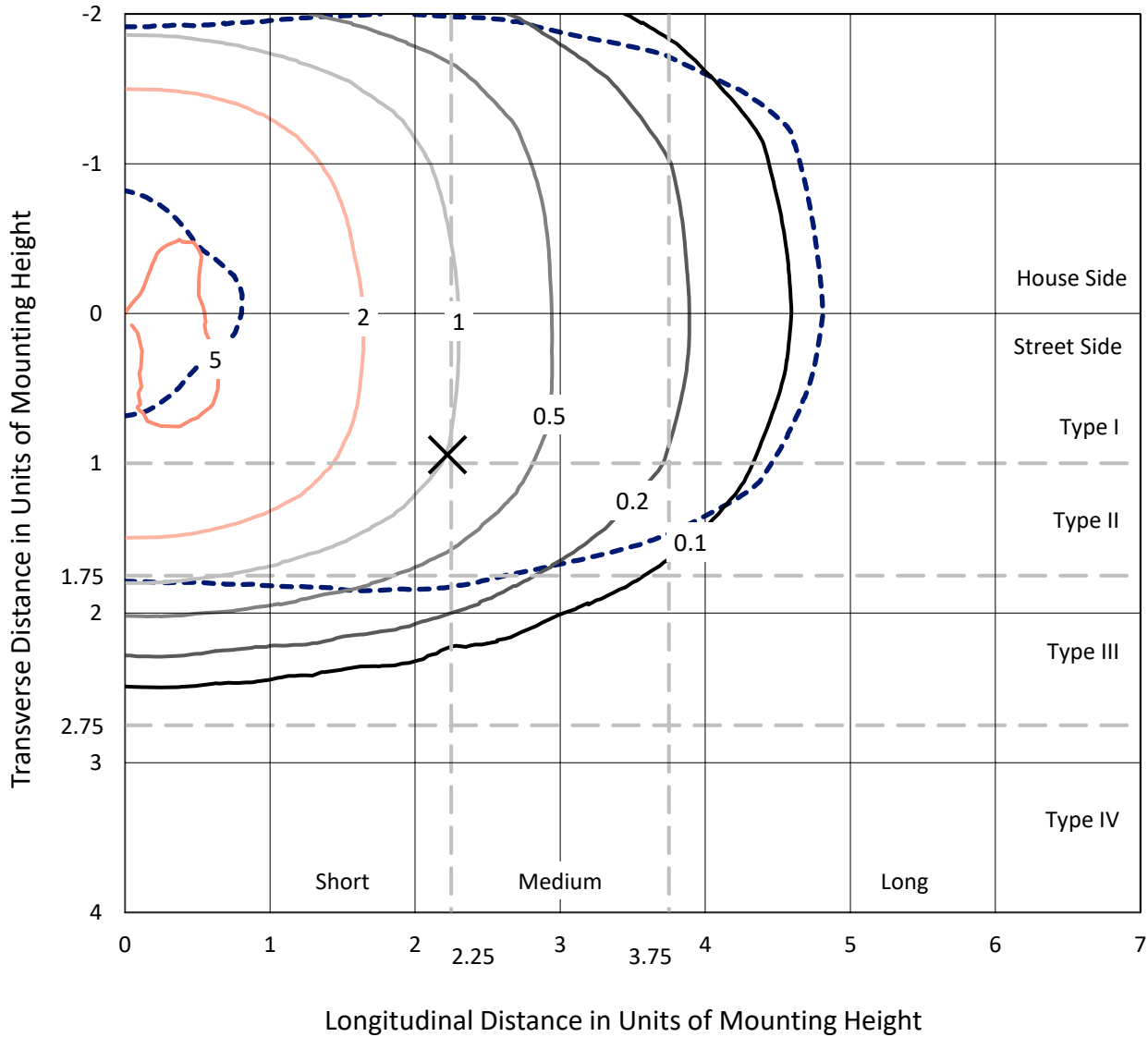
Lumens per Lamp: N/A  
Luminaire Lumens: 4948 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629835  
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### Iso-Footcandle Lines of Horizontal Illumination

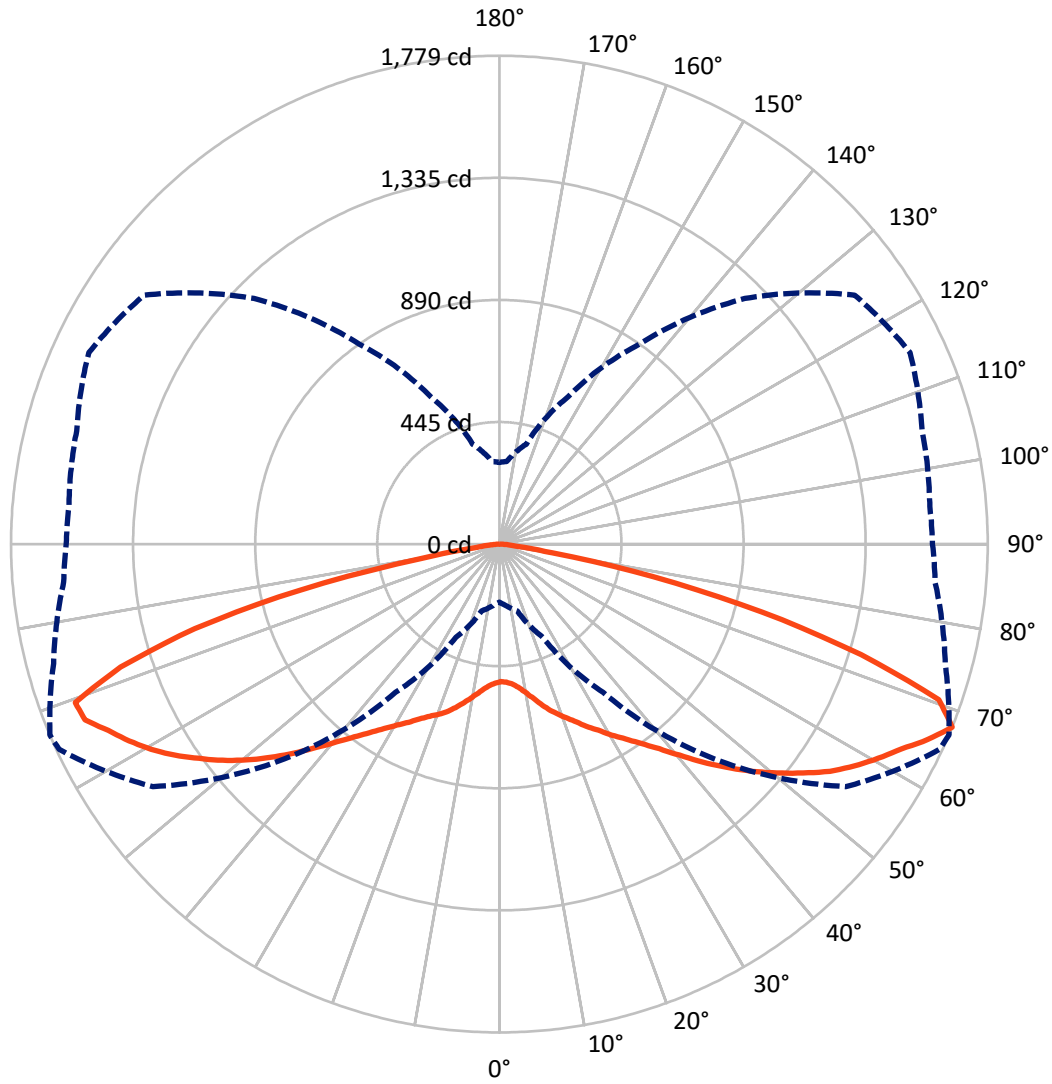
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P629835  
CATALOG NUMBER: GWS-SA1C-740-U-RWR-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629835

CATALOG NUMBER: GWS-SA1C-740-U-RWR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2446.7	0.0	2446.7
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	2501.3	0.0	2501.3
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	4948.0	0.0	4948.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	1.0
10°-20°	166.1	3.4
20°-30°	325.8	6.6
30°-40°	555.1	11.2
40°-50°	891.4	18.0
50°-60°	1211.2	24.5
60°-70°	1158.6	23.4
70°-80°	550.8	11.1
80°-90°	39.9	0.8
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°	4948.0	100.0
0°-180°	4948.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629835

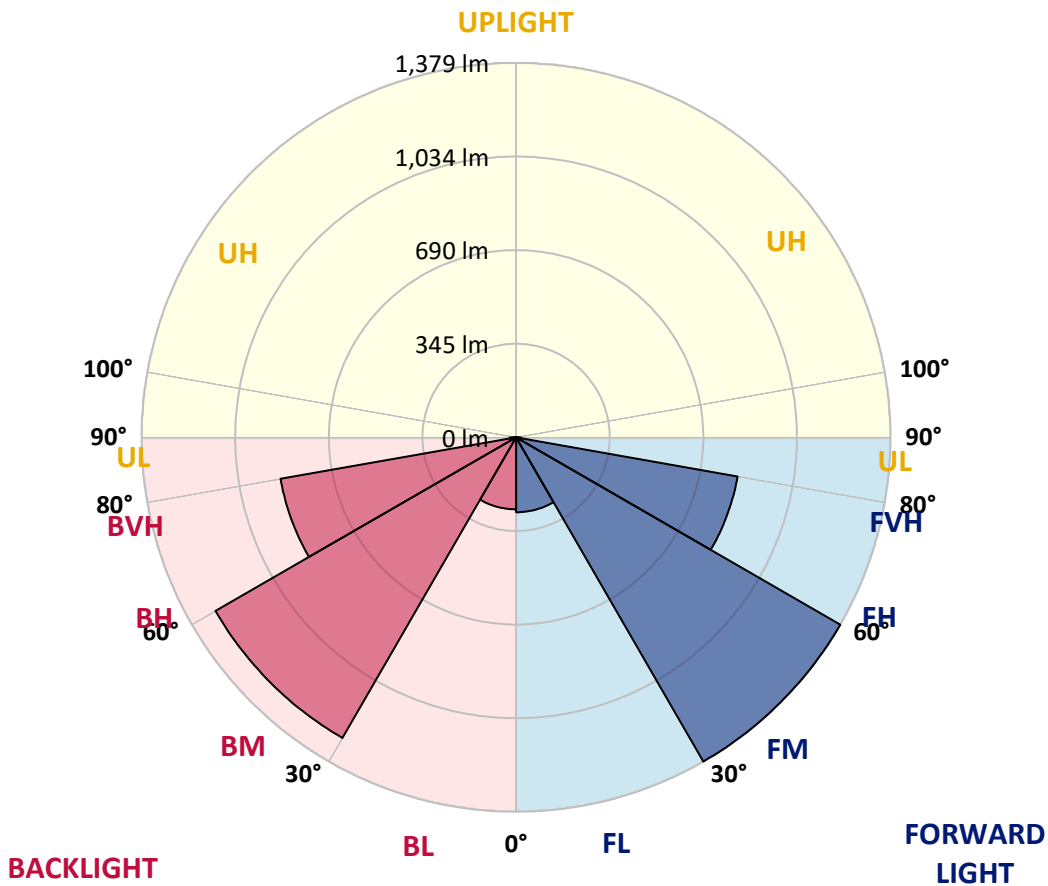
CATALOG NUMBER: GWS-SA1C-740-U-RWR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.9	5.6			
FM (30°-60°)	1379.1	27.9			
FH (60°-80°)	828.4	16.7			G1/1800
FVH (80°-90°)	17.9	0.4			G1/100
BL (0°-30°)	265.2	5.4	B1/500		
BM (30°-60°)	1278.6	25.8	B2/2500		
BH (60°-80°)	881.0	17.8	B2/1000		G2/1000
BVH (80°-90°)	22.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





REPORT NUMBER: P629835  
 CATALOG NUMBER: GWS-SA1C-740-U-RWR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	490.7	491.4	492.4	494.5	496.5	499.6	502.7	502.4	503.8	504.8	505.8
5°	487.9	488.6	490.3	493.1	496.2	501.4	507.9	510.7	512.7	516.5	520.0
7.5°	493.8	495.2	497.6	501.4	506.2	512.7	521.7	526.5	529.6	536.5	542.4
10°	501.7	503.4	508.2	515.5	522.7	532.7	544.1	551.3	553.4	562.3	573.4
12.5°	509.3	511.3	519.3	532.4	545.5	558.9	572.3	581.3	582.0	594.0	606.5
15°	521.3	523.1	533.7	550.6	570.6	589.2	605.8	612.0	614.7	623.3	638.8
17.5°	547.9	549.9	563.7	582.0	603.0	622.6	639.2	644.4	644.4	651.6	664.3
20°	576.5	578.5	596.8	620.2	645.7	665.7	678.5	673.6	671.9	674.0	682.9
22.5°	608.5	612.3	629.9	657.1	688.5	712.9	719.5	705.0	700.2	695.4	697.4
25°	649.5	654.0	671.2	700.2	730.8	756.7	760.5	738.1	735.3	718.4	712.2
27.5°	696.7	700.2	721.5	750.1	778.7	800.4	804.6	777.0	767.7	744.3	729.8
30°	757.7	760.8	779.4	807.7	832.5	847.7	852.8	814.9	807.7	771.8	749.5
32.5°	824.2	825.6	844.6	871.8	893.8	908.3	901.1	857.0	846.3	806.0	775.3
35°	900.4	900.4	924.8	946.9	964.5	968.6	954.8	904.5	892.1	848.3	810.1
37.5°	975.1	977.2	1000.0	1026.1	1041.7	1041.0	1015.8	960.7	946.5	899.0	856.6
40°	1056.1	1060.6	1083.3	1112.6	1127.5	1125.4	1086.8	1025.5	1011.0	954.8	913.5
42.5°	1130.6	1137.8	1164.3	1194.3	1210.5	1209.1	1168.8	1099.9	1085.8	1022.4	981.0
45°	1189.8	1197.4	1230.5	1272.2	1298.0	1295.6	1254.9	1177.1	1159.8	1093.3	1047.9
47.5°	1241.8	1249.8	1286.6	1330.8	1371.8	1375.9	1338.7	1254.9	1236.7	1169.5	1118.1
50°	1281.8	1285.6	1327.0	1375.2	1422.8	1445.8	1413.4	1333.2	1311.1	1244.6	1186.7
52.5°	1278.7	1283.9	1334.9	1400.4	1464.1	1502.0	1479.6	1406.9	1385.5	1313.2	1256.7
55°	1215.7	1220.8	1281.5	1376.9	1487.2	1543.0	1540.6	1477.2	1461.7	1383.1	1329.4
57.5°	1123.7	1135.0	1195.3	1298.4	1456.9	1575.7	1585.4	1541.3	1525.1	1451.7	1401.4
60°	959.0	974.1	1043.7	1177.4	1359.7	1564.7	1633.3	1595.4	1585.4	1515.4	1466.5
62.5°	696.7	707.8	800.4	975.8	1215.7	1486.2	1673.6	1651.2	1643.6	1572.6	1525.4
65°	417.3	442.4	516.9	690.2	980.7	1338.0	1651.5	1724.3	1716.3	1631.6	1575.7
67.5°	211.2	222.6	251.9	374.2	659.5	1107.1	1540.9	1769.7	1779.4	1681.9	1593.7
70°	130.9	134.0	142.3	184.7	329.4	727.4	1260.1	1651.2	1698.4	1673.9	1547.1
72.5°	105.1	105.8	107.2	115.1	158.2	340.1	796.7	1293.2	1378.3	1563.3	1480.6
75°	87.2	87.5	87.9	90.3	98.5	138.9	387.6	888.7	988.2	1328.7	1372.8
77.5°	69.9	68.2	69.6	70.6	72.7	77.5	133.7	474.1	575.1	872.1	1061.6
80°	45.5	44.8	47.6	48.6	50.7	53.8	71.3	160.9	195.4	317.4	337.7
82.5°	24.5	23.1	28.9	27.9	28.9	31.4	42.0	58.9	66.2	95.8	81.0
85°	7.6	7.6	7.9	9.3	11.4	11.0	18.3	28.9	32.0	41.0	30.3
87.5°	1.4	1.4	1.4	1.4	1.4	1.7	3.8	5.9	7.9	14.1	10.7
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: P629835  
 CATALOG NUMBER: GWS-SA1C-740-U-RWR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	507.9	504.8	506.5	507.6	507.2	506.5	503.1	502.4	500.7	497.9	497.2
5°	523.1	519.6	520.0	518.9	515.5	511.0	503.4	499.6	496.5	493.1	492.7
7.5°	546.8	543.1	542.0	537.2	527.5	517.2	505.1	498.3	493.1	488.6	487.9
10°	577.2	573.4	569.9	558.6	542.7	528.9	513.1	503.1	495.5	490.0	489.0
12.5°	610.9	607.8	599.2	582.7	563.7	547.5	531.3	518.9	507.9	499.6	498.6
15°	648.5	641.6	628.5	607.1	589.2	576.1	556.5	539.6	522.0	511.0	508.6
17.5°	674.7	668.8	653.3	632.6	618.5	607.1	584.1	559.9	536.2	520.0	516.5
20°	693.3	687.1	669.5	654.3	649.9	640.2	613.3	585.4	557.9	537.9	533.4
22.5°	706.7	700.2	682.3	674.7	680.9	679.2	653.0	621.3	588.5	564.8	559.2
25°	719.5	713.3	697.4	700.2	716.7	721.9	693.6	656.8	619.5	591.6	585.1
27.5°	731.5	723.6	716.4	731.5	755.0	764.6	734.6	692.9	652.6	624.0	618.9
30°	750.1	740.8	739.8	761.9	799.1	807.3	774.3	732.6	692.6	663.7	657.1
32.5°	773.6	765.0	765.6	798.7	841.8	848.7	820.4	781.5	741.5	712.6	703.6
35°	805.3	794.6	800.4	841.1	884.5	897.3	874.5	842.1	803.2	773.6	763.6
37.5°	849.0	833.5	845.6	888.3	932.1	951.0	933.5	909.3	870.7	840.8	831.5
40°	904.9	892.1	896.9	944.1	989.3	1012.0	1001.0	977.2	939.0	907.6	896.9
42.5°	971.0	958.3	956.5	1006.8	1052.0	1086.4	1075.8	1054.1	1014.4	978.6	968.3
45°	1035.8	1024.1	1026.5	1077.8	1128.5	1166.0	1155.4	1129.9	1086.8	1045.4	1037.2
47.5°	1103.3	1093.7	1095.7	1150.2	1206.0	1243.6	1230.1	1199.1	1148.8	1104.7	1094.7
50°	1172.6	1161.6	1164.7	1221.9	1282.2	1317.7	1297.0	1251.2	1195.7	1152.6	1144.0
52.5°	1241.5	1228.4	1236.3	1290.4	1352.8	1381.1	1342.8	1287.3	1233.6	1190.9	1181.2
55°	1320.8	1307.0	1298.4	1356.2	1417.9	1429.6	1377.3	1312.5	1248.7	1200.2	1194.3
57.5°	1393.1	1381.4	1365.2	1423.1	1468.6	1460.0	1403.8	1305.6	1211.9	1149.5	1141.2
60°	1457.9	1447.9	1433.8	1483.1	1503.7	1484.4	1382.4	1223.9	1120.9	1055.8	1052.0
62.5°	1517.5	1506.8	1493.7	1535.8	1533.0	1488.2	1285.3	1098.5	960.7	890.7	884.5
65°	1564.7	1555.1	1551.3	1584.4	1579.9	1414.1	1134.0	893.1	701.9	623.0	620.6
67.5°	1578.2	1574.4	1594.7	1650.9	1580.9	1265.3	889.3	592.3	377.0	302.2	297.7
70°	1527.8	1527.5	1585.7	1666.0	1437.6	966.5	524.8	267.0	189.5	168.2	165.4
72.5°	1462.4	1461.3	1507.5	1437.2	1066.1	528.9	220.9	143.0	118.5	112.7	112.7
75°	1354.9	1352.1	1386.9	1093.3	599.6	199.2	117.2	98.2	93.0	92.0	92.0
77.5°	1104.4	1081.3	1026.5	675.7	209.2	97.9	77.5	77.2	74.1	73.7	73.7
80°	363.2	363.2	422.1	257.7	92.3	60.3	54.8	57.5	54.4	52.4	52.0
82.5°	59.3	81.7	116.1	73.7	50.0	37.6	33.8	35.8	37.6	30.0	30.0
85°	23.4	30.7	44.8	34.5	23.1	15.2	16.2	17.9	15.9	13.8	13.4
87.5°	9.0	11.0	15.9	8.3	4.8	2.8	1.7	1.7	1.4	1.4	1.4
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)