

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: P630218

Luminaire Tested: GWS-SA1D-730-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630218  
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-SA1D-730-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

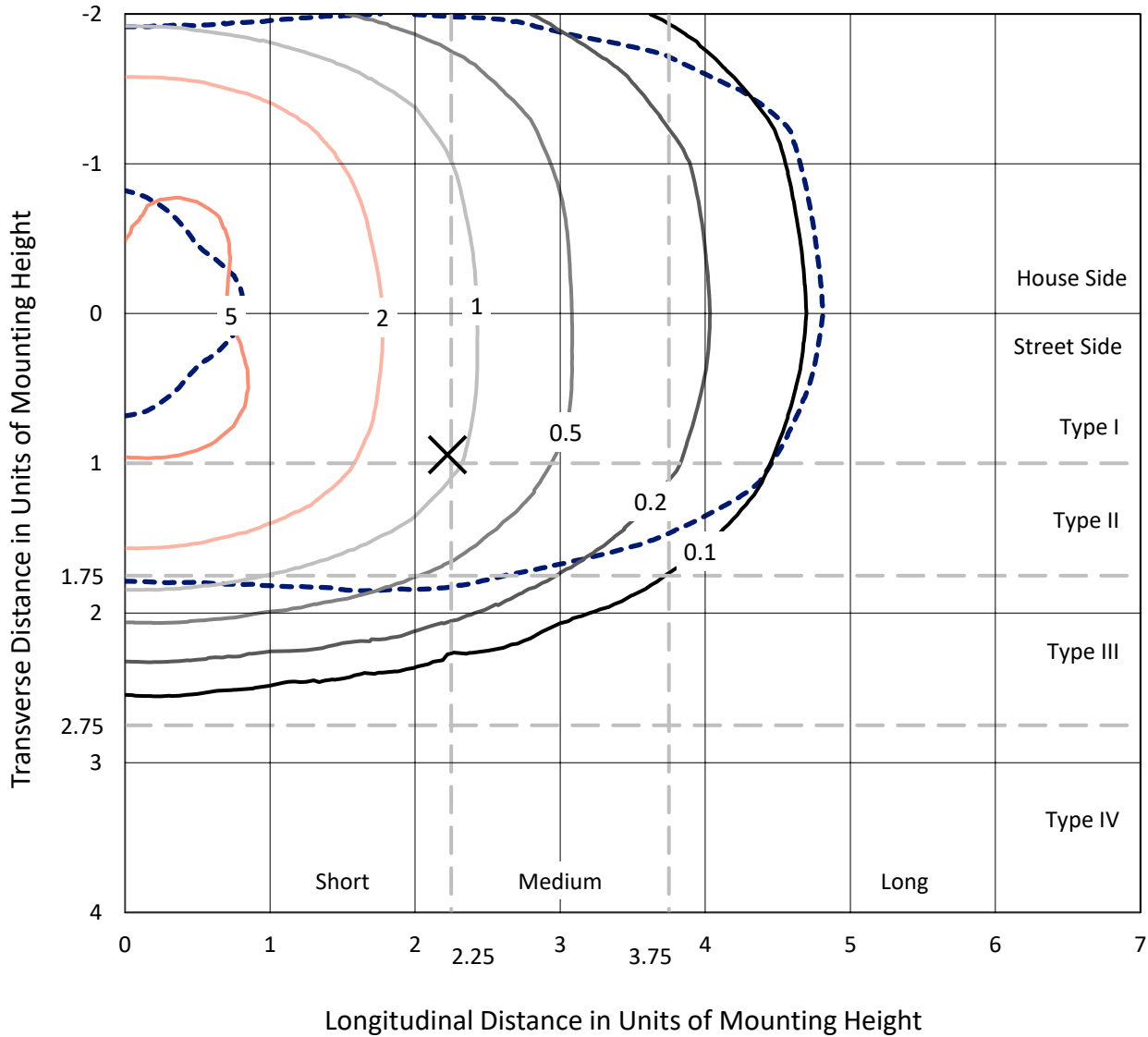
Lumens per Lamp: N/A  
Luminaire Lumens: 5684.3 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

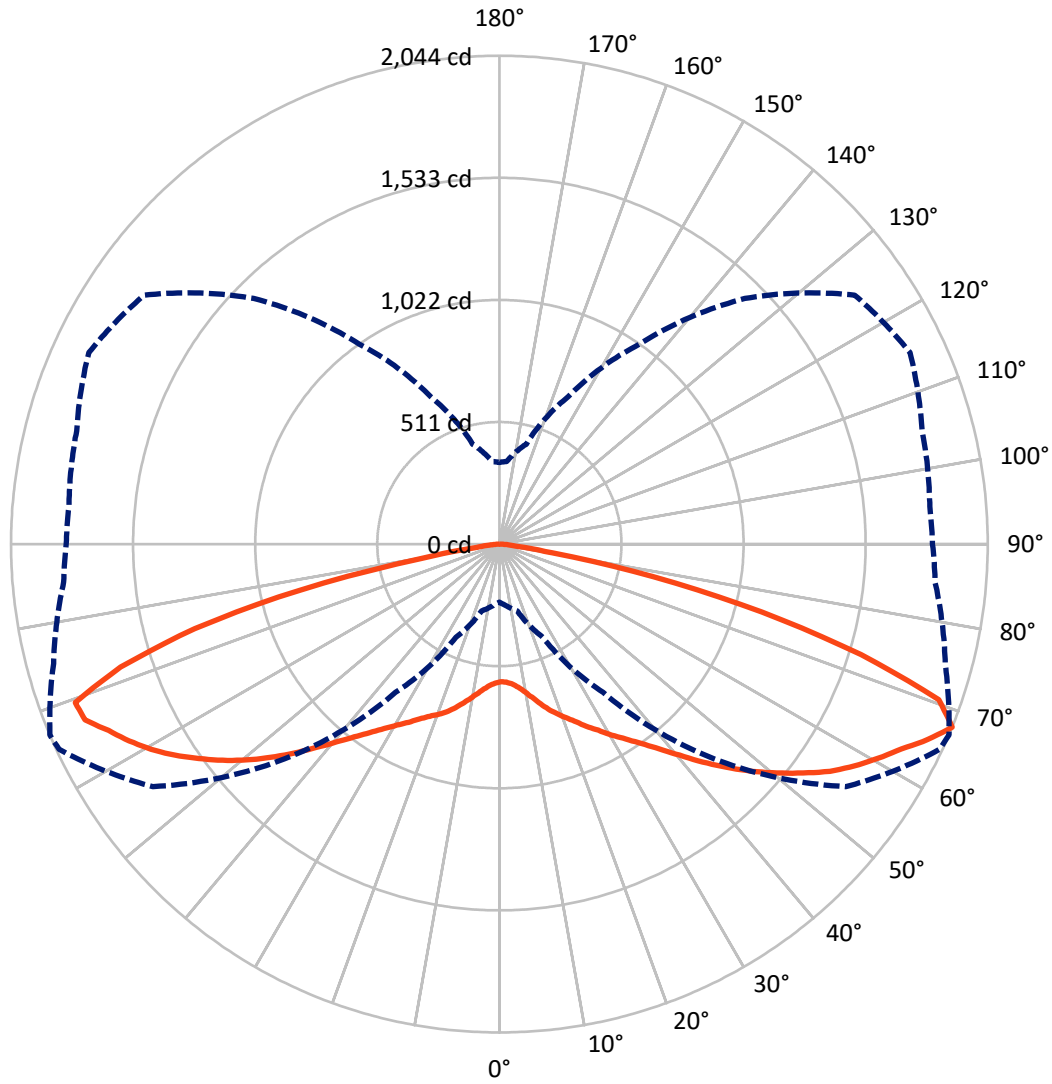
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2810.8	0.0	2810.8
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	2873.5	0.0	2873.5
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	5684.3	0.0	5684.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	1.0
10°-20°	190.8	3.4
20°-30°	374.3	6.6
30°-40°	637.7	11.2
40°-50°	1024.0	18.0
50°-60°	1391.4	24.5
60°-70°	1331.0	23.4
70°-80°	632.8	11.1
80°-90°	45.9	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°	5684.3	100.0
0°-180°	5684.3	100.0

**Coefficient of Utilization**



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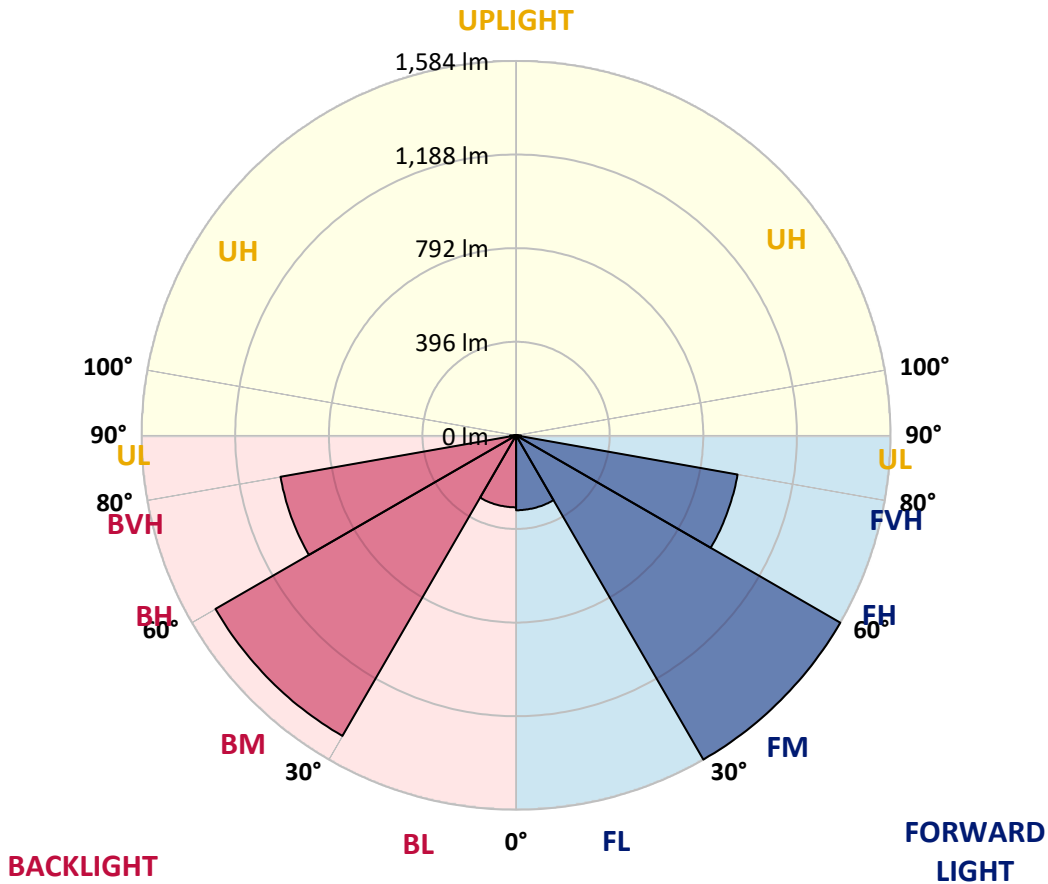
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.9	5.6			
FM (30°-60°)	1584.3	27.9			
FH (60°-80°)	951.7	16.7			G1/1800
FVH (80°-90°)	20.6	0.4			G1/100
BL (0°-30°)	304.6	5.4	B1/500		
BM (30°-60°)	1468.9	25.8	B2/2500		
BH (60°-80°)	1012.1	17.8	B3/2500		G3/2500
BVH (80°-90°)	25.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	563.7	564.5	565.7	568.0	570.4	574.0	577.5	577.2	578.7	579.9	581.1
5°	560.5	561.3	563.3	566.5	570.0	576.0	583.5	586.7	589.0	593.4	597.3
7.5°	567.3	568.8	571.6	576.0	581.5	589.0	599.3	604.9	608.4	616.3	623.1
10°	576.4	578.3	583.9	592.2	600.5	612.0	625.0	633.4	635.7	646.0	658.7
12.5°	585.1	587.4	596.5	611.6	626.6	642.1	657.5	667.8	668.6	682.4	696.7
15°	598.9	600.9	613.2	632.6	655.5	676.9	695.9	703.0	706.2	716.1	733.9
17.5°	629.4	631.8	647.6	668.6	692.7	715.3	734.3	740.2	740.2	748.6	763.2
20°	662.3	664.6	685.6	712.5	741.8	764.8	779.4	773.9	771.9	774.3	784.6
22.5°	699.1	703.4	723.6	754.9	790.9	819.0	826.5	809.9	804.4	798.8	801.2
25°	746.2	751.3	771.1	804.4	839.6	869.3	873.6	847.9	844.7	825.3	818.2
27.5°	800.4	804.4	828.9	861.8	894.6	919.6	924.3	892.6	882.0	855.0	838.4
30°	870.5	874.0	895.4	927.9	956.4	973.8	979.7	936.2	927.9	886.7	861.0
32.5°	946.9	948.5	970.2	1001.5	1026.8	1043.5	1035.1	984.5	972.2	925.9	890.7
35°	1034.4	1034.4	1062.5	1087.8	1108.0	1112.7	1096.9	1039.1	1024.9	974.6	930.6
37.5°	1120.3	1122.6	1148.8	1178.8	1196.7	1195.9	1167.0	1103.6	1087.4	1032.8	984.1
40°	1213.3	1218.4	1244.6	1278.2	1295.2	1292.8	1248.5	1178.1	1161.4	1096.9	1049.4
42.5°	1298.8	1307.1	1337.6	1372.0	1390.6	1389.0	1342.7	1263.6	1247.3	1174.5	1127.0
45°	1366.9	1375.6	1413.6	1461.5	1491.2	1488.4	1441.7	1352.2	1332.4	1256.0	1203.8
47.5°	1426.6	1435.8	1478.1	1528.8	1575.9	1580.6	1537.9	1441.7	1420.7	1343.5	1284.5
50°	1472.6	1476.9	1524.4	1579.8	1634.5	1661.0	1623.8	1531.5	1506.2	1429.8	1363.3
52.5°	1469.0	1474.9	1533.5	1608.7	1682.0	1725.5	1699.8	1616.3	1591.7	1508.6	1443.7
55°	1396.6	1402.5	1472.2	1581.8	1708.5	1772.6	1769.8	1697.0	1679.2	1588.9	1527.2
57.5°	1290.9	1303.9	1373.2	1491.6	1673.7	1810.2	1821.3	1770.6	1752.0	1667.7	1609.9
60°	1101.7	1119.1	1199.0	1352.6	1562.0	1797.6	1876.3	1832.8	1821.3	1741.0	1684.7
62.5°	800.4	813.1	919.6	1121.0	1396.6	1707.3	1922.6	1896.9	1888.2	1806.7	1752.4
65°	479.4	508.3	593.8	792.9	1126.6	1537.1	1897.3	1980.8	1971.7	1874.4	1810.2
67.5°	242.7	255.7	289.4	429.9	757.7	1271.9	1770.2	2033.1	2044.2	1932.1	1830.8
70°	150.4	154.0	163.5	212.2	378.4	835.6	1447.6	1896.9	1951.1	1923.0	1777.4
72.5°	120.7	121.5	123.1	132.2	181.7	390.7	915.2	1485.6	1583.4	1796.0	1701.0
75°	100.2	100.5	100.9	103.7	113.2	159.5	445.3	1020.9	1135.3	1526.4	1577.1
77.5°	80.4	78.4	80.0	81.1	83.5	89.1	153.6	544.7	660.7	1001.9	1219.6
80°	52.3	51.5	54.6	55.8	58.2	61.8	81.9	184.9	224.4	364.6	387.9
82.5°	28.1	26.5	33.3	32.1	33.3	36.0	48.3	67.7	76.0	110.0	93.0
85°	8.7	8.7	9.1	10.7	13.1	12.7	21.0	33.3	36.8	47.1	34.8
87.5°	1.6	1.6	1.6	1.6	1.6	2.0	4.4	6.7	9.1	16.2	12.3
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°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	583.5	579.9	581.9	583.1	582.7	581.9	577.9	577.2	575.2	572.0	571.2
5°	600.9	596.9	597.3	596.2	592.2	587.0	578.3	574.0	570.4	566.5	566.1
7.5°	628.2	623.9	622.7	617.1	606.0	594.2	580.3	572.4	566.5	561.3	560.5
10°	663.1	658.7	654.7	641.7	623.5	607.6	589.4	577.9	569.2	562.9	561.7
12.5°	701.8	698.3	688.4	669.4	647.6	629.0	610.4	596.2	583.5	574.0	572.8
15°	745.0	737.1	722.0	697.5	676.9	661.9	639.3	619.9	599.7	587.0	584.3
17.5°	775.1	768.3	750.5	726.8	710.6	697.5	671.0	643.3	615.9	597.3	593.4
20°	796.5	789.3	769.1	751.7	746.6	735.5	704.6	672.6	640.9	617.9	612.8
22.5°	811.9	804.4	783.8	775.1	782.2	780.2	750.1	713.7	676.1	648.8	642.5
25°	826.5	819.4	801.2	804.4	823.4	829.3	796.8	754.5	711.7	679.7	672.2
27.5°	840.4	831.3	823.0	840.4	867.3	878.4	844.0	796.1	749.7	716.9	710.9
30°	861.8	851.1	849.9	875.2	918.0	927.5	889.5	841.6	795.7	762.4	754.9
32.5°	888.7	878.8	879.6	917.6	967.1	975.0	942.5	897.8	851.9	818.6	808.3
35°	925.1	912.8	919.6	966.3	1016.1	1030.8	1004.7	967.5	922.7	888.7	877.2
37.5°	975.4	957.6	971.4	1020.5	1070.8	1092.5	1072.4	1044.7	1000.3	965.9	955.2
40°	1039.5	1024.9	1030.4	1084.6	1136.5	1162.6	1149.9	1122.6	1078.7	1042.7	1030.4
42.5°	1115.5	1100.9	1098.9	1156.7	1208.5	1248.1	1235.8	1210.9	1165.4	1124.2	1112.3
45°	1189.9	1176.5	1179.2	1238.2	1296.4	1339.6	1327.3	1298.0	1248.5	1201.0	1191.5
47.5°	1267.5	1256.4	1258.8	1321.3	1385.5	1428.6	1413.2	1377.6	1319.8	1269.1	1257.6
50°	1347.1	1334.4	1338.0	1403.7	1473.0	1513.7	1490.0	1437.3	1373.6	1324.1	1314.2
52.5°	1426.3	1411.2	1420.3	1482.5	1554.1	1586.6	1542.6	1478.9	1417.1	1368.1	1357.0
55°	1517.3	1501.5	1491.6	1558.1	1628.9	1642.4	1582.2	1507.8	1434.6	1378.7	1372.0
57.5°	1600.4	1587.0	1568.4	1634.9	1687.1	1677.2	1612.7	1499.9	1392.2	1320.6	1311.1
60°	1674.8	1663.4	1647.1	1703.7	1727.5	1705.3	1588.2	1406.1	1287.7	1212.9	1208.5
62.5°	1743.3	1731.1	1716.0	1764.3	1761.1	1709.7	1476.5	1262.0	1103.6	1023.3	1016.1
65°	1797.6	1786.5	1782.1	1820.1	1815.0	1624.6	1302.7	1026.0	806.3	715.7	712.9
67.5°	1813.0	1808.6	1832.0	1896.5	1816.2	1453.6	1021.7	680.5	433.1	347.2	342.0
70°	1755.2	1754.8	1821.7	1913.9	1651.5	1110.4	602.9	306.8	217.7	193.2	190.0
72.5°	1680.0	1678.8	1731.8	1651.1	1224.8	607.6	253.7	164.3	136.2	129.4	129.4
75°	1556.5	1553.3	1593.3	1256.0	688.8	228.8	134.6	112.8	106.9	105.7	105.7
77.5°	1268.7	1242.2	1179.2	776.3	240.3	112.4	89.1	88.7	85.1	84.7	84.7
80°	417.2	417.2	484.9	296.1	106.1	69.3	62.9	66.1	62.5	60.2	59.8
82.5°	68.1	93.8	133.4	84.7	57.4	43.1	38.8	41.2	43.1	34.4	34.4
85°	26.9	35.2	51.5	39.6	26.5	17.4	18.6	20.6	18.2	15.8	15.4
87.5°	10.3	12.7	18.2	9.5	5.5	3.2	2.0	2.0	1.6	1.6	1.6
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)