

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: P629890

Luminaire Tested: GWS-SA1C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

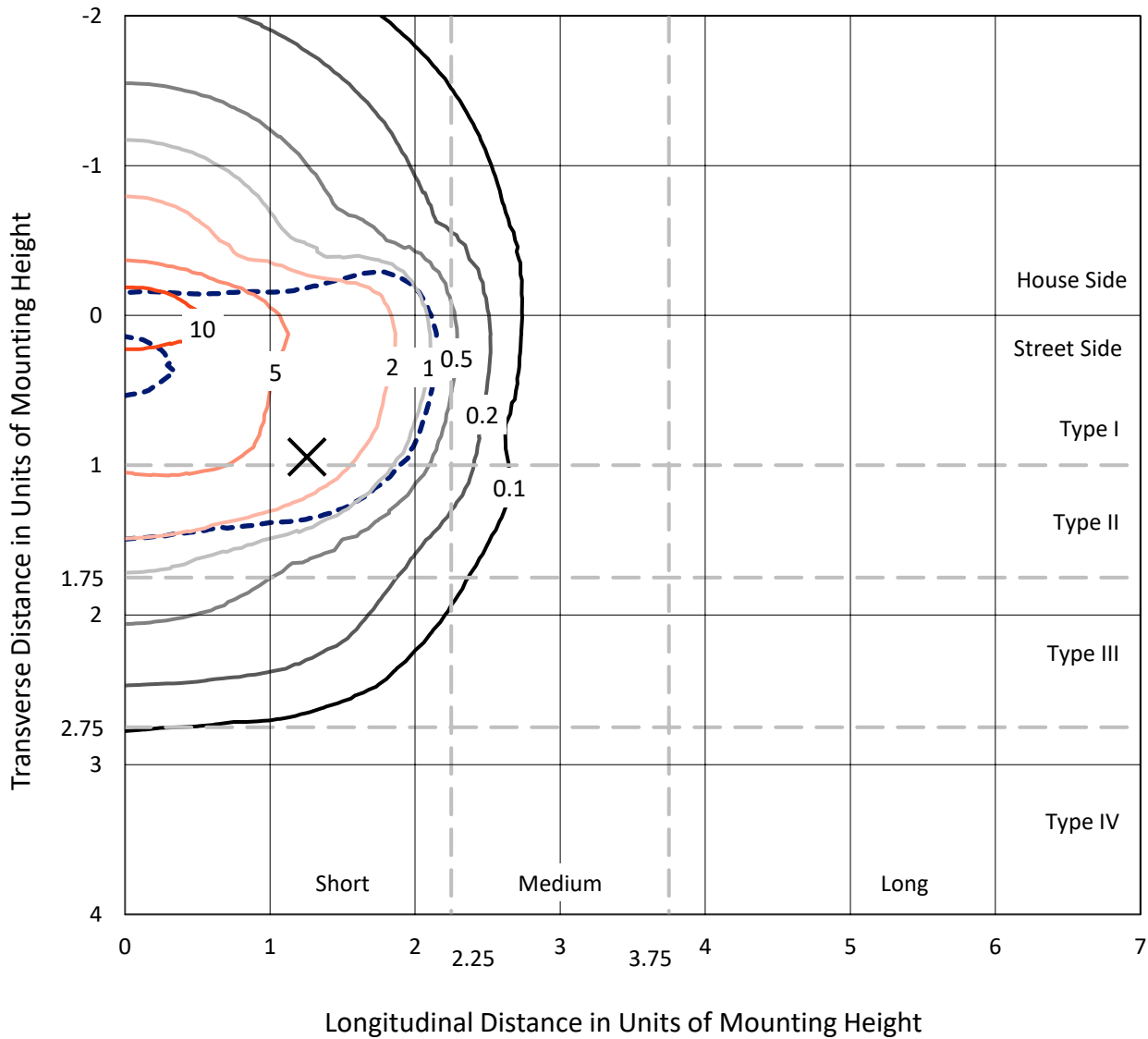
Lumens per Lamp: N/A  
Luminaire Lumens: 4187.6 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

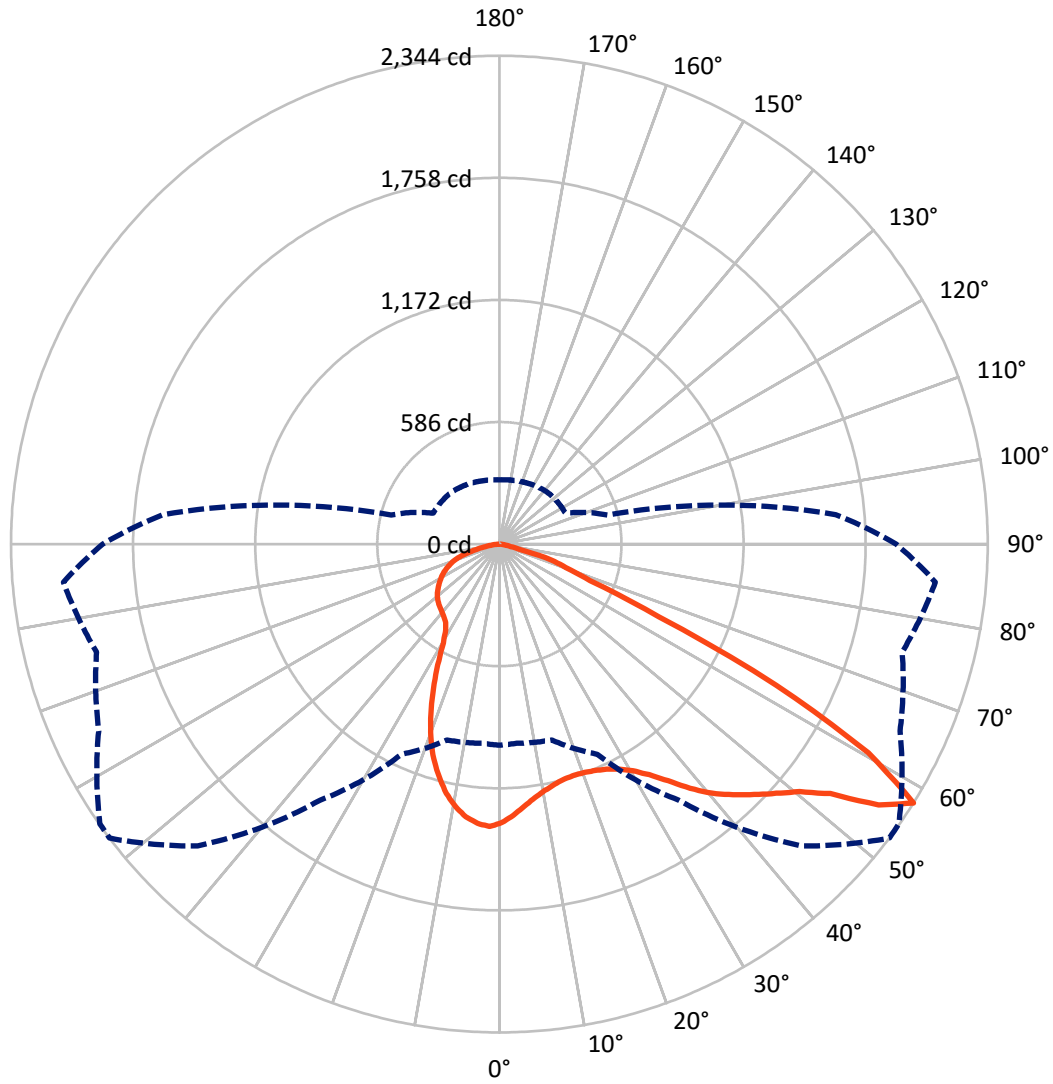
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1309.3	0.0	1309.3
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	2878.3	0.0	2878.3
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	4187.6	0.0	4187.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	2.9
10°-20°	317.2	7.6
20°-30°	467.4	11.2
30°-40°	654.3	15.6
40°-50°	860.1	20.5
50°-60°	1008.4	24.1
60°-70°	594.1	14.2
70°-80°	147.8	3.5
80°-90°	17.3	0.4
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°	4187.6	100.0
0°-180°	4187.6	100.0

**Coefficient of Utilization**



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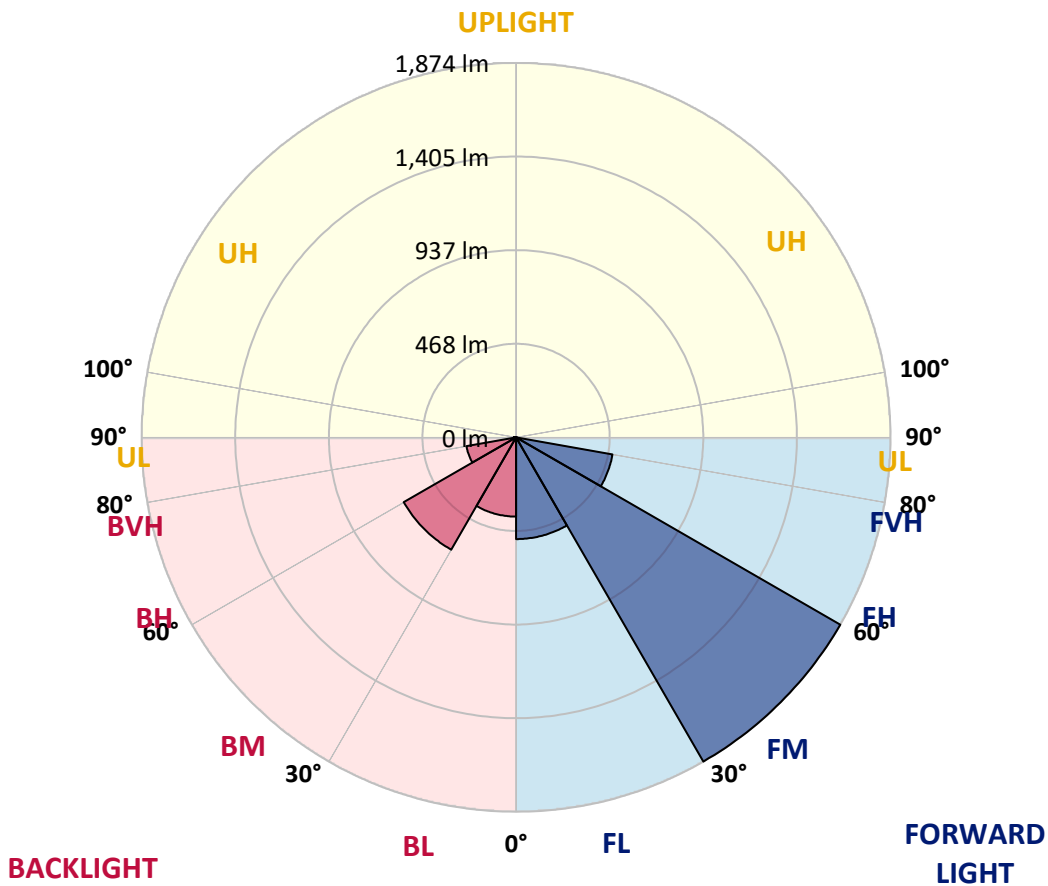
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.1	12.2			
FM (30°-60°)	1873.6	44.7			
FH (60°-80°)	489.8	11.7			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	396.5	9.5	B1/500		
BM (30°-60°)	649.2	15.5	B1/1000		
BH (60°-80°)	252.1	6.0	B1/500		G1/500
BVH (80°-90°)	11.5	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2
2.5°	1260.4	1263.9	1264.6	1275.5	1276.2	1292.1	1302.7	1300.6	1311.5	1324.9	1335.5
5°	1200.1	1200.5	1204.0	1217.0	1224.1	1244.9	1262.5	1262.5	1283.6	1311.1	1334.7
7.5°	1150.4	1150.1	1153.2	1167.7	1179.3	1204.3	1228.3	1231.1	1260.7	1300.9	1339.3
10°	1104.2	1106.7	1110.2	1127.9	1142.7	1173.7	1202.2	1206.8	1244.2	1293.9	1345.7
12.5°	1074.6	1075.0	1080.3	1100.0	1119.0	1152.2	1182.1	1187.8	1230.8	1287.2	1350.3
15°	1055.6	1056.0	1061.6	1083.4	1105.7	1139.1	1169.8	1176.1	1223.0	1286.1	1359.1
17.5°	1047.1	1046.8	1052.1	1073.9	1098.2	1133.1	1165.9	1173.7	1226.5	1294.2	1374.6
20°	1047.1	1047.5	1050.3	1070.1	1094.7	1131.7	1169.8	1179.3	1240.3	1312.5	1398.5
22.5°	1061.9	1063.4	1064.8	1078.2	1097.5	1133.8	1180.0	1192.7	1269.9	1343.2	1429.9
25°	1090.8	1091.2	1092.6	1103.5	1112.3	1139.8	1196.9	1216.0	1316.1	1388.0	1469.4
27.5°	1129.6	1134.6	1136.0	1143.0	1143.0	1154.6	1223.4	1250.9	1378.5	1452.5	1519.8
30°	1183.9	1185.7	1188.1	1195.9	1187.4	1182.5	1262.1	1297.4	1450.7	1530.4	1580.4
32.5°	1231.5	1235.4	1248.7	1261.4	1246.3	1230.8	1319.2	1360.8	1520.1	1611.4	1644.9
35°	1272.0	1281.5	1307.3	1335.5	1324.9	1309.4	1395.0	1438.4	1577.2	1669.6	1702.0
37.5°	1321.0	1328.4	1363.6	1409.5	1419.0	1411.6	1487.4	1518.4	1615.3	1684.4	1733.0
40°	1370.7	1382.0	1427.4	1490.9	1527.2	1532.5	1572.7	1593.4	1628.3	1655.5	1727.0
42.5°	1421.5	1440.8	1503.2	1577.2	1641.7	1653.7	1644.6	1653.4	1624.1	1615.7	1699.2
45°	1483.5	1506.4	1576.9	1671.3	1756.3	1775.0	1715.0	1706.9	1623.4	1600.5	1681.9
47.5°	1556.8	1579.7	1647.0	1757.0	1865.5	1879.3	1787.3	1772.5	1648.1	1623.8	1705.2
50°	1621.6	1637.5	1697.8	1820.8	1967.4	1975.5	1867.0	1849.0	1709.4	1688.3	1777.8
52.5°	1555.7	1554.0	1617.4	1769.0	2020.3	2117.9	1989.6	1972.3	1827.8	1795.4	1890.2
55°	1319.9	1299.9	1356.6	1505.7	1872.6	2244.4	2209.5	2175.0	1985.7	1903.3	1995.6
57.5°	965.0	959.4	973.1	1113.1	1500.0	2048.5	2344.2	2341.0	2122.1	2001.9	2100.6
60°	754.6	746.1	709.5	713.4	1022.5	1600.1	2034.4	2127.8	2206.7	2061.2	2173.9
62.5°	670.0	663.7	644.6	592.1	609.0	1072.9	1491.2	1576.9	1928.3	1820.4	1867.3
65°	554.8	553.0	568.9	566.7	510.4	592.5	841.7	928.0	1212.4	1227.6	1212.4
67.5°	403.2	400.0	440.2	519.5	491.3	447.3	469.1	499.1	621.7	558.3	502.6
70°	262.2	257.6	280.9	375.4	439.9	389.8	338.0	333.1	341.9	212.5	229.8
72.5°	175.9	170.6	170.2	206.5	265.8	262.6	261.9	259.4	231.6	167.8	186.1
75°	98.0	93.8	92.7	89.2	95.2	96.9	103.3	106.8	115.6	127.2	141.0
77.5°	16.6	16.2	20.4	26.1	36.0	46.2	57.1	60.3	74.4	88.1	96.9
80°	9.2	9.5	12.3	15.2	20.1	27.5	35.2	37.4	45.8	53.2	60.3
82.5°	4.9	4.9	6.3	8.1	10.9	14.5	19.0	20.8	26.4	31.0	36.0
85°	1.8	1.8	2.5	3.2	4.6	6.0	7.4	8.5	11.6	15.9	18.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	1.4	1.4	1.8	3.2	4.6
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°	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2	1337.2
2.5°	1344.3	1334.7	1347.8	1353.8	1355.9	1357.3	1348.1	1341.8	1339.7	1333.0	1329.1
5°	1349.2	1342.9	1355.2	1355.2	1346.4	1337.2	1318.5	1305.5	1296.3	1285.4	1283.6
7.5°	1357.7	1353.1	1359.8	1346.0	1323.8	1299.1	1266.7	1241.3	1220.9	1207.5	1207.9
10°	1368.9	1363.3	1358.0	1327.3	1286.8	1241.3	1191.6	1154.6	1120.8	1105.3	1096.8
12.5°	1376.3	1368.2	1346.0	1295.3	1235.7	1174.7	1104.6	1049.6	1000.6	978.4	976.7
15°	1385.5	1370.7	1326.3	1253.7	1170.9	1087.7	997.4	921.0	854.7	820.2	818.4
17.5°	1397.5	1373.2	1302.7	1206.1	1102.5	979.8	866.3	770.1	699.6	672.8	677.4
20°	1414.4	1376.0	1275.9	1153.2	1017.5	857.2	715.8	627.4	600.2	598.5	594.9
22.5°	1433.4	1377.7	1246.3	1094.0	914.6	726.4	591.4	553.7	553.4	562.2	564.3
25°	1454.9	1379.2	1212.8	1024.9	803.2	596.0	523.0	511.8	520.6	537.1	539.3
27.5°	1482.4	1382.0	1172.3	949.2	684.8	514.9	485.3	482.5	493.1	508.6	507.9
30°	1523.0	1392.2	1129.3	862.1	563.2	476.5	462.4	462.8	467.0	474.4	475.5
32.5°	1564.2	1408.1	1087.3	764.1	493.4	454.7	448.3	447.6	447.6	450.8	451.5
35°	1603.3	1426.0	1041.9	661.9	459.6	442.0	437.7	435.6	434.6	433.9	432.8
37.5°	1625.2	1434.8	997.4	561.1	441.6	433.5	429.3	426.5	422.6	419.8	419.1
40°	1615.7	1424.6	946.0	485.7	430.7	425.4	420.5	416.6	411.3	408.8	407.4
42.5°	1583.9	1392.9	889.9	450.1	421.9	416.6	410.6	404.3	400.7	398.6	398.3
45°	1550.4	1354.5	822.3	429.3	413.4	407.1	400.0	393.0	389.1	388.1	387.7
47.5°	1549.4	1335.5	750.4	412.7	403.2	396.9	388.1	381.0	376.8	375.4	374.0
50°	1595.9	1354.8	669.3	398.3	392.6	385.9	376.1	368.3	363.0	361.3	360.9
52.5°	1692.5	1427.8	596.7	383.8	378.5	370.8	362.7	354.9	348.6	345.4	345.1
55°	1796.8	1520.5	551.6	369.0	362.0	355.3	347.9	339.4	332.4	327.4	326.7
57.5°	1904.7	1621.6	537.8	350.3	345.1	340.5	331.7	322.5	314.4	309.8	308.8
60°	1993.5	1708.7	563.6	330.6	327.8	321.8	313.7	304.9	299.2	295.7	295.0
62.5°	1668.9	1391.1	455.0	309.1	309.1	302.8	293.6	287.3	283.4	280.9	280.2
65°	1059.1	861.4	310.5	287.6	287.3	278.8	271.0	266.8	265.0	261.2	260.5
67.5°	461.4	393.7	265.4	265.8	264.3	255.2	247.4	244.3	240.7	236.5	236.1
70°	239.3	243.9	237.6	241.4	239.0	228.0	220.6	215.7	208.3	204.1	204.4
72.5°	193.1	198.1	205.1	211.1	205.8	197.0	185.4	179.4	169.9	165.3	165.7
75°	147.3	152.6	159.3	165.7	161.4	150.5	143.1	137.1	126.2	120.9	121.9
77.5°	101.5	104.3	112.4	112.1	110.7	107.5	96.6	89.5	78.2	71.9	72.6
80°	63.1	64.9	68.7	70.5	69.8	65.6	56.7	51.5	44.8	40.9	41.2
82.5°	38.1	39.1	42.6	43.0	42.6	39.5	32.8	28.9	24.7	22.6	22.6
85°	19.4	20.1	22.2	22.2	20.1	16.9	15.2	13.4	10.9	9.9	9.9
87.5°	5.3	5.3	6.7	5.6	4.6	4.2	2.1	1.8	0.7	0.4	0.4
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)