

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: P630636

Luminaire Tested: GWS-SA1E-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4893.6 lumens
Efficiency: N/A
Efficacy: 83.8 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

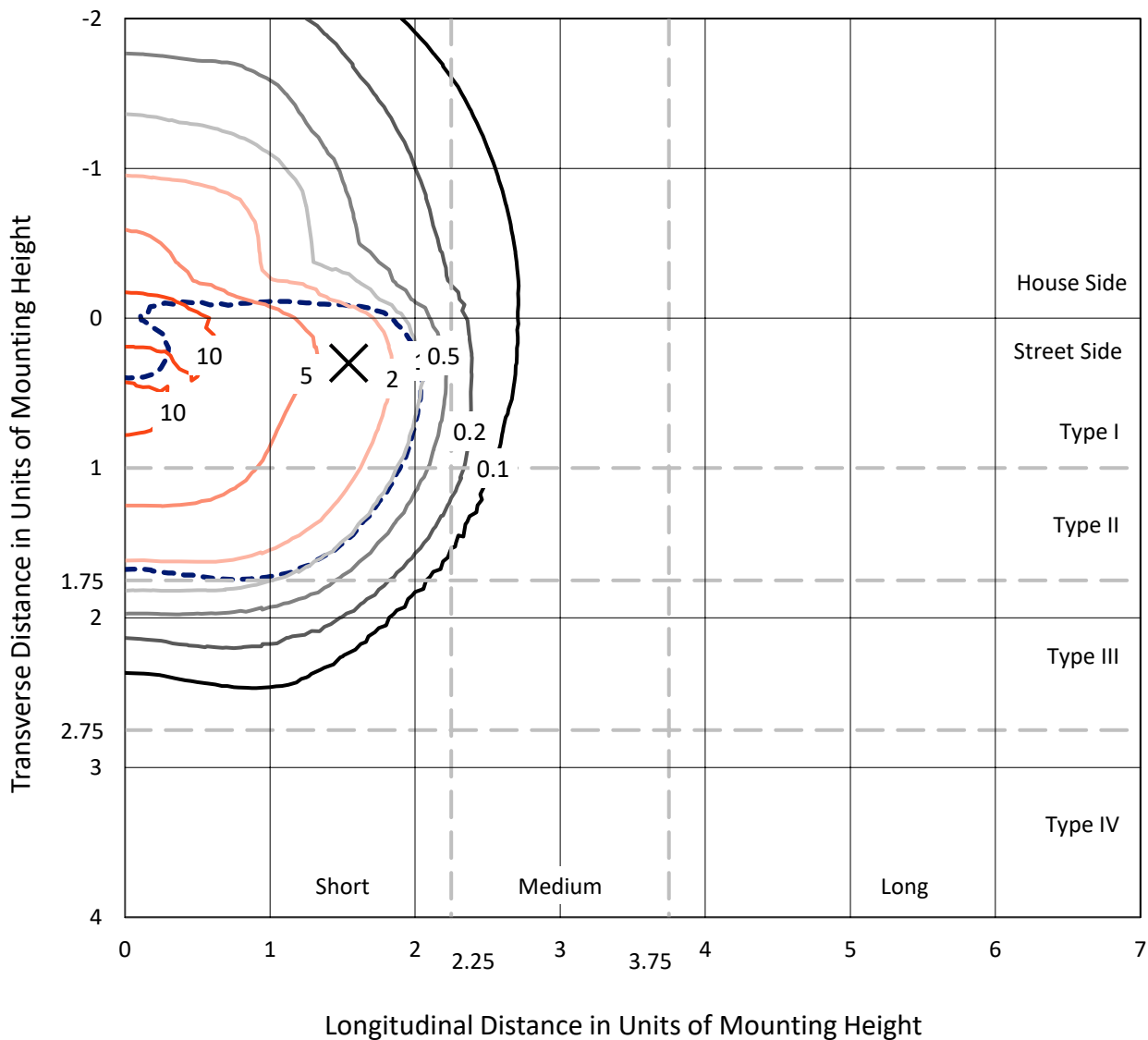
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

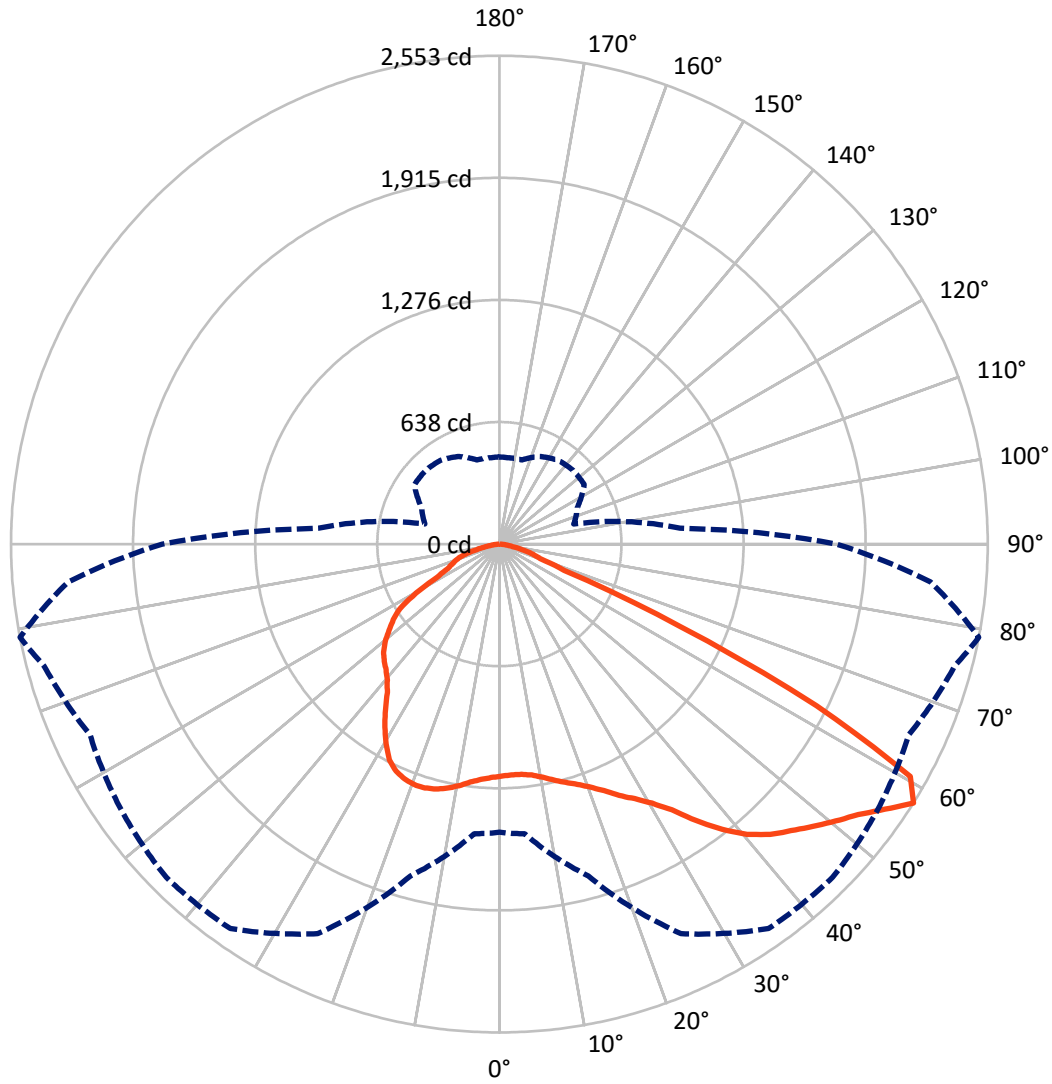
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.6	0.0	1454.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	3438.9	0.0	3438.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	4893.6	0.0	4893.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	2.3
10°-20°	312.1	6.4
20°-30°	529.0	10.8
30°-40°	809.8	16.5
40°-50°	1079.8	22.1
50°-60°	1247.0	25.5
60°-70°	648.0	13.2
70°-80°	137.7	2.8
80°-90°	17.8	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°	4893.6	100.0
0°-180°	4893.6	100.0

Coefficient of Utilization



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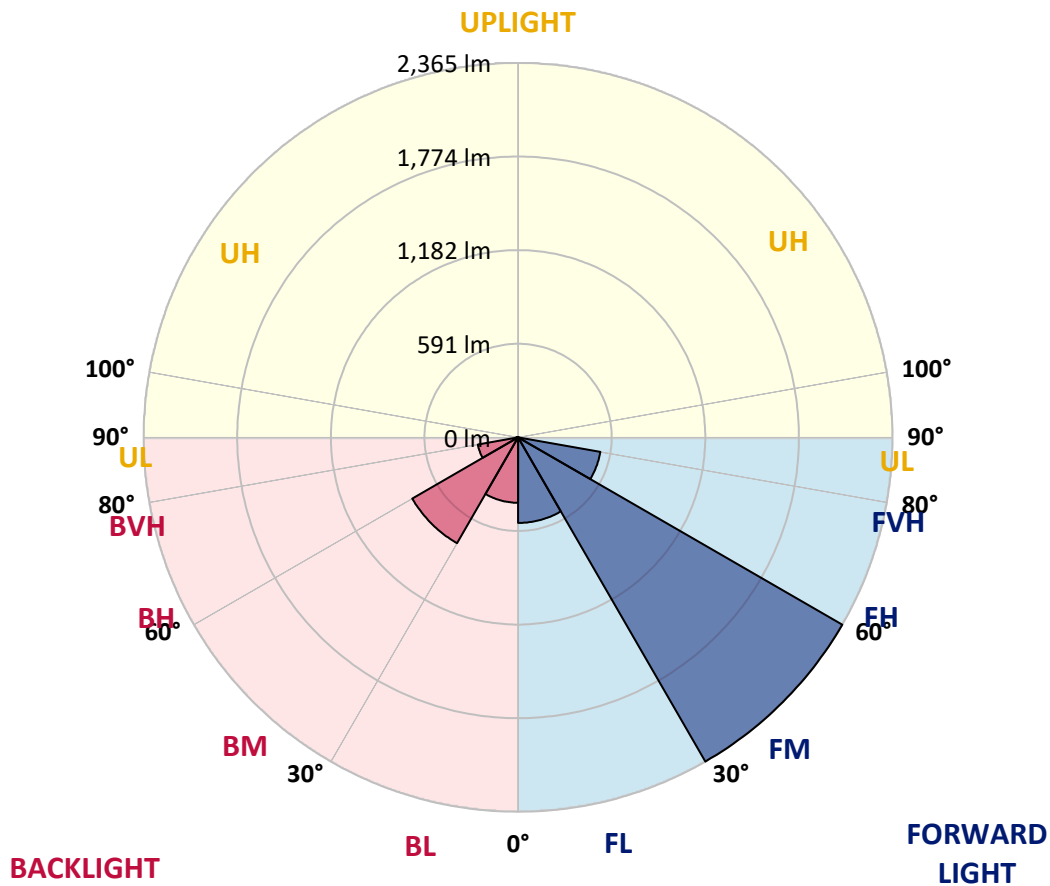
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.4	11.0			
FM (30°-60°)	2364.7	48.3			
FH (60°-80°)	527.6	10.8			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	413.1	8.4	B1/500		
BM (30°-60°)	771.8	15.8	B1/1000		
BH (60°-80°)	258.1	5.3	B1/500		G1/500
BVH (80°-90°)	11.6	0.2			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°	55°	65°	75°	79°	85°
0°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1157.5	1155.1	1155.9	1159.1	1171.1	1179.9	1189.1	1197.5	1205.5	1207.9	1209.9
5°	1116.3	1111.9	1113.1	1118.3	1132.3	1147.1	1163.5	1183.5	1202.7	1209.1	1217.5
7.5°	1087.1	1086.3	1088.3	1096.3	1111.1	1125.1	1146.3	1174.7	1207.9	1218.7	1233.6
10°	1048.3	1046.7	1054.7	1071.1	1095.5	1117.9	1143.1	1176.7	1223.2	1239.2	1262.0
12.5°	1017.5	1016.7	1025.1	1047.9	1079.1	1114.7	1149.5	1187.1	1243.6	1265.6	1293.6
15°	1035.5	1031.9	1032.3	1048.3	1076.3	1118.3	1165.5	1205.9	1264.0	1292.0	1328.0
17.5°	1087.9	1081.5	1076.7	1079.5	1095.5	1139.1	1189.9	1231.2	1287.6	1320.4	1364.4
20°	1160.3	1156.7	1143.5	1134.7	1138.3	1176.7	1228.4	1266.8	1318.4	1355.2	1402.4
22.5°	1257.6	1248.8	1230.8	1216.7	1205.9	1236.0	1283.6	1316.8	1361.2	1399.6	1448.8
25°	1378.0	1365.2	1336.8	1314.8	1291.6	1322.4	1364.8	1390.0	1420.0	1455.6	1502.4
27.5°	1500.8	1490.0	1458.4	1428.8	1400.0	1419.2	1469.6	1484.0	1480.8	1506.8	1546.8
30°	1631.7	1618.1	1588.1	1556.0	1518.8	1531.2	1576.5	1583.7	1549.6	1571.2	1598.5
32.5°	1769.7	1756.5	1730.5	1693.3	1651.3	1656.1	1668.5	1675.3	1642.9	1655.3	1676.1
35°	1910.1	1897.7	1871.3	1834.5	1803.7	1774.5	1743.3	1770.5	1751.7	1775.7	1774.1
37.5°	2038.6	2026.2	2009.8	1981.4	1928.6	1870.9	1798.9	1832.5	1861.7	1892.1	1886.9
40°	2125.4	2117.0	2121.0	2116.6	2048.6	1934.6	1826.1	1862.9	1942.6	1994.6	1991.8
42.5°	2200.2	2191.8	2215.0	2231.8	2151.8	1993.4	1839.3	1874.5	1994.2	2075.4	2071.4
45°	2233.4	2231.0	2269.4	2322.7	2246.2	2055.8	1873.3	1898.5	2033.4	2137.4	2122.2
47.5°	2193.8	2202.2	2277.9	2367.9	2324.7	2129.8	1943.0	1949.4	2084.6	2204.6	2161.8
50°	2115.0	2133.4	2235.4	2369.1	2381.9	2213.4	2039.4	2023.4	2153.4	2276.3	2182.6
52.5°	2000.2	2019.4	2185.8	2359.9	2414.7	2310.3	2167.8	2145.0	2240.2	2347.9	2186.2
55°	1736.5	1762.5	2072.2	2339.1	2446.7	2398.3	2312.7	2266.2	2352.3	2446.3	2221.8
57.5°	1506.4	1520.0	1795.3	2246.6	2453.1	2463.1	2415.9	2360.7	2463.5	2552.7	2261.8
60°	1105.5	1108.7	1356.4	1858.9	2256.6	2425.5	2407.5	2325.5	2410.7	2467.5	2078.6
62.5°	624.6	625.0	822.6	1240.8	1685.7	1977.0	1988.2	1915.7	1844.1	1860.9	1446.8
65°	234.5	256.5	375.7	609.8	971.9	1167.1	1213.5	1230.4	1111.1	1037.1	775.8
67.5°	156.8	162.0	219.3	313.7	432.5	499.3	558.6	560.2	409.7	365.3	305.7
70°	119.6	124.8	172.4	224.5	219.3	202.5	218.9	212.9	220.1	226.1	232.5
72.5°	89.2	94.4	133.6	158.4	131.6	129.6	146.8	163.2	178.5	184.9	194.9
75°	59.2	63.2	90.0	84.8	72.8	86.0	107.2	123.6	132.4	140.0	147.6
77.5°	37.6	40.4	48.0	38.8	40.4	50.4	62.4	77.2	85.6	93.2	97.2
80°	17.2	16.8	16.4	18.4	22.8	29.6	37.6	46.4	52.8	56.0	58.4
82.5°	6.8	7.6	8.4	10.0	12.4	16.0	21.2	27.2	32.4	33.2	35.2
85°	2.8	3.2	3.6	4.4	5.6	7.2	8.8	12.4	15.6	16.8	18.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.2	2.0	3.6	4.0	4.4
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°	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7	1212.7
2.5°	1220.7	1215.5	1224.4	1230.4	1236.0	1230.0	1228.0	1222.8	1221.9	1221.9	1224.8
5°	1232.0	1228.4	1237.6	1241.2	1240.8	1227.6	1219.5	1209.1	1203.9	1203.9	1204.7
7.5°	1252.0	1250.0	1255.2	1249.6	1236.8	1209.9	1183.5	1161.5	1146.7	1139.1	1141.5
10°	1285.2	1282.8	1278.4	1257.6	1220.7	1165.1	1111.1	1071.1	1047.1	1033.5	1034.3
12.5°	1317.6	1313.6	1298.0	1252.0	1176.3	1087.9	1017.1	972.3	945.9	929.9	926.3
15°	1353.2	1342.8	1309.2	1223.2	1103.9	993.5	919.5	871.0	842.6	833.0	832.6
17.5°	1387.2	1368.8	1308.0	1171.9	1017.1	894.7	820.2	790.2	785.4	789.8	791.0
20°	1421.6	1392.0	1294.8	1101.1	913.9	796.2	757.8	770.2	788.2	800.2	803.0
22.5°	1457.2	1411.2	1264.8	1009.9	805.0	729.8	745.8	773.0	795.4	811.4	813.0
25°	1497.2	1429.2	1219.9	898.3	717.8	711.4	743.0	771.8	795.8	814.2	817.4
27.5°	1520.0	1429.6	1157.1	783.4	677.8	704.2	736.2	763.4	787.4	807.4	811.0
30°	1542.4	1418.8	1057.5	690.2	666.2	695.8	724.6	749.8	772.6	792.2	796.6
32.5°	1574.1	1408.8	942.7	636.6	659.4	687.8	711.4	733.8	751.4	760.2	762.6
35°	1613.3	1396.0	820.6	613.4	655.0	681.4	702.2	714.2	691.4	686.6	691.8
37.5°	1668.1	1384.0	699.0	603.4	652.2	679.0	697.4	666.6	638.6	627.4	631.4
40°	1727.3	1377.2	616.6	595.4	653.4	681.4	677.4	631.8	591.4	567.8	567.0
42.5°	1777.7	1366.8	563.8	590.2	656.6	690.6	650.2	601.0	541.0	527.0	527.4
45°	1811.7	1340.4	535.8	584.6	659.4	692.6	637.4	558.6	515.7	506.9	506.5
47.5°	1825.7	1292.4	517.7	575.8	659.0	676.2	611.4	541.0	498.1	495.7	497.3
50°	1816.5	1213.5	499.3	558.6	649.4	659.0	581.4	525.4	486.1	499.3	508.9
52.5°	1782.5	1111.5	477.3	535.0	632.2	639.4	566.2	515.7	477.3	494.9	502.5
55°	1773.7	1028.7	449.3	504.1	606.6	604.6	550.2	510.9	471.3	464.5	465.7
57.5°	1762.1	947.9	402.9	448.9	541.8	545.0	535.0	505.3	455.7	453.7	455.7
60°	1530.8	726.6	359.3	387.3	444.9	462.1	517.7	494.9	430.5	422.1	421.7
62.5°	999.9	440.1	319.7	337.7	362.5	382.5	472.1	464.9	402.9	397.7	401.3
65°	537.8	313.7	290.9	301.7	315.3	330.5	391.3	414.1	364.1	345.7	346.1
67.5°	274.9	266.9	269.3	276.9	287.3	294.9	315.7	335.7	310.5	294.9	294.5
70°	235.3	241.7	245.3	249.7	256.5	255.3	257.3	260.9	258.9	251.3	250.9
72.5°	200.5	210.5	211.3	212.1	214.5	208.9	205.3	199.3	199.7	200.9	201.3
75°	152.4	162.0	164.4	163.2	165.6	158.4	153.6	147.6	140.4	139.2	140.0
77.5°	99.2	106.8	110.4	109.6	110.8	105.2	102.8	96.4	88.0	84.8	84.8
80°	60.0	64.4	67.2	68.0	69.2	65.2	61.2	55.6	52.0	48.4	48.4
82.5°	36.4	39.2	41.2	41.2	42.4	38.0	34.8	30.8	29.2	26.0	26.0
85°	18.4	20.4	21.2	20.8	20.0	16.4	15.2	13.2	12.4	10.8	10.8
87.5°	4.4	5.6	5.6	4.0	4.0	2.0	1.2	0.4	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)