

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: P630899

Luminaire Tested: GWS-SA1E-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6462.4 lumens
Efficiency: N/A
Efficacy: 110.7 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

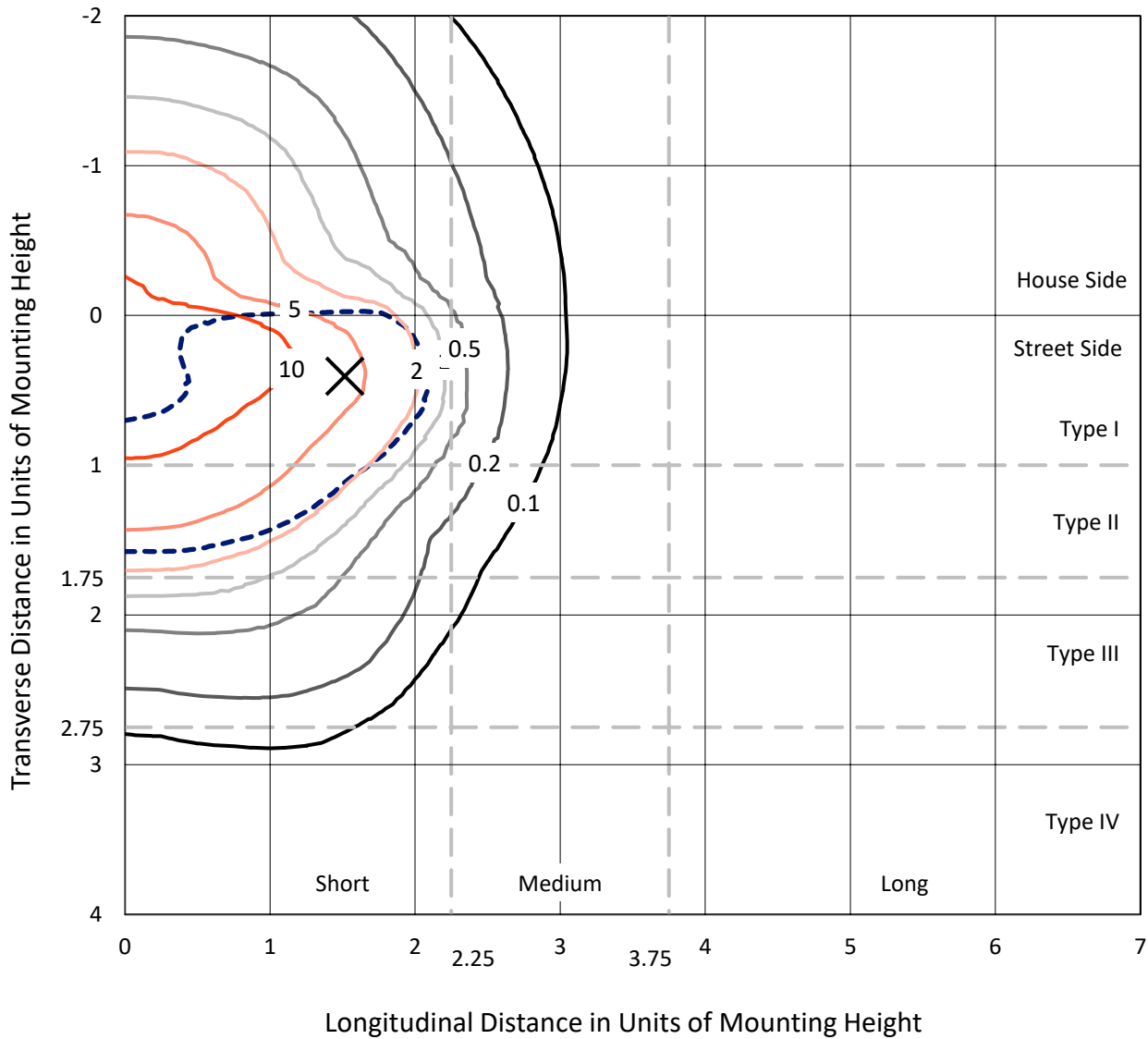
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

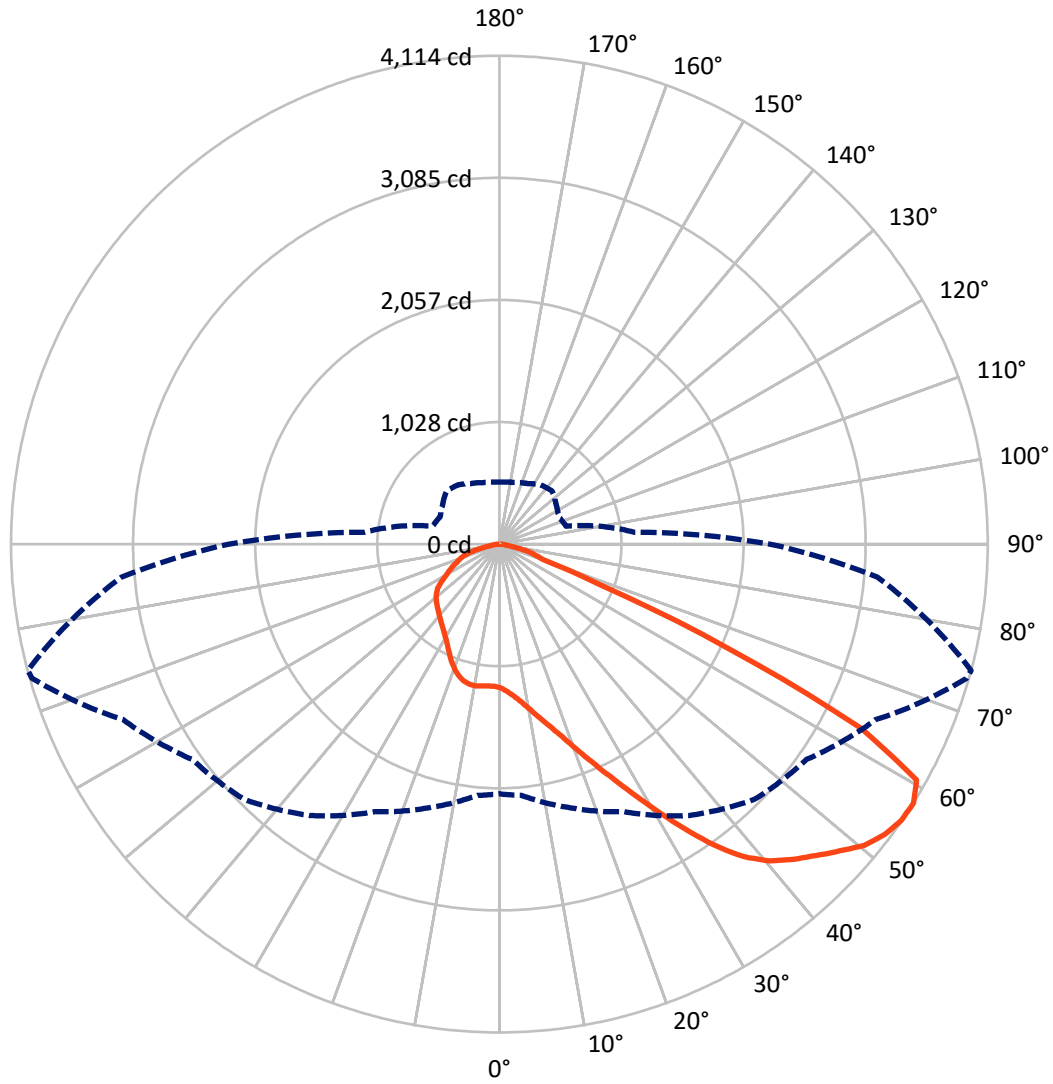
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1748.2	0.0	1748.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4714.2	0.0	4714.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	6462.4	0.0	6462.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.9
10°-20°	385.6	6.0
20°-30°	683.8	10.6
30°-40°	1046.8	16.2
40°-50°	1457.6	22.6
50°-60°	1670.1	25.8
60°-70°	858.1	13.3
70°-80°	216.0	3.3
80°-90°	23.1	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°	6462.4	100.0
0°-180°	6462.4	100.0

Coefficient of Utilization



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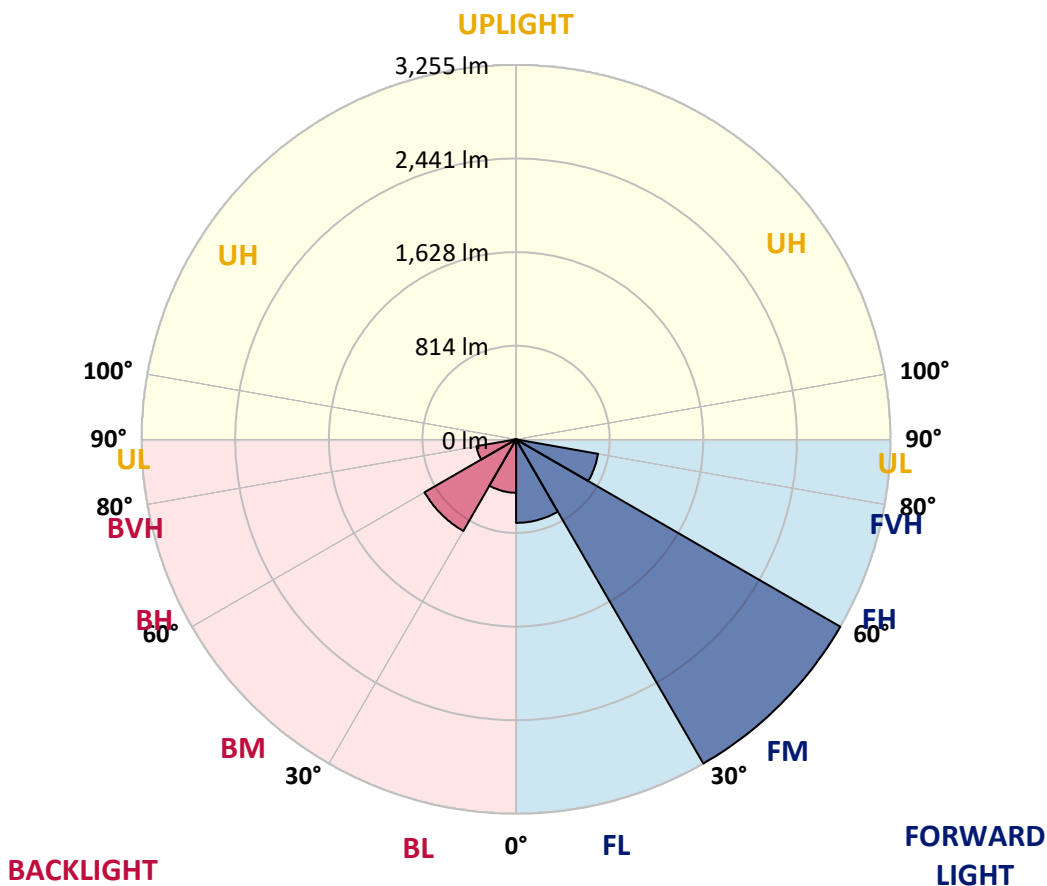
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	726.1	11.2			
FM (30°-60°)	3255.2	50.4			
FH (60°-80°)	724.4	11.2			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	464.4	7.2	B1/500		
BM (30°-60°)	919.4	14.2	B1/1000		
BH (60°-80°)	349.8	5.4	B1/500		G1/500
BVH (80°-90°)	14.6	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°	74°	75°	85°
0°	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3
2.5°	1300.3	1303.6	1300.3	1305.8	1294.7	1289.7	1277.5	1259.2	1244.7	1242.5	1226.4
5°	1401.4	1408.6	1404.2	1402.0	1387.0	1375.8	1357.5	1320.8	1290.8	1286.4	1254.7
7.5°	1466.4	1471.4	1471.4	1473.1	1467.5	1454.7	1435.3	1392.0	1349.7	1343.1	1295.3
10°	1488.1	1492.0	1499.2	1513.1	1524.2	1528.1	1515.3	1473.6	1422.0	1415.3	1348.6
12.5°	1493.1	1497.5	1508.6	1534.2	1564.8	1592.6	1594.8	1564.2	1506.4	1499.2	1410.3
15°	1502.5	1507.0	1522.0	1553.7	1598.7	1652.0	1684.8	1663.7	1599.8	1592.0	1480.3
17.5°	1501.4	1506.4	1528.7	1570.9	1631.5	1708.7	1772.0	1780.9	1714.8	1701.5	1559.8
20°	1498.6	1503.1	1527.0	1578.7	1653.7	1759.8	1874.3	1920.4	1849.3	1837.0	1652.6
22.5°	1520.9	1525.9	1544.2	1587.0	1665.3	1799.3	1968.7	2079.9	2008.8	1991.5	1759.3
25°	1570.9	1578.1	1589.2	1618.7	1686.5	1834.3	2065.4	2260.5	2187.7	2167.1	1875.4
27.5°	1648.1	1657.0	1672.6	1686.5	1733.7	1878.7	2161.6	2462.7	2389.9	2368.3	1998.2
30°	1742.6	1754.3	1774.3	1783.7	1815.9	1944.3	2266.0	2671.1	2628.9	2598.9	2136.6
32.5°	1873.2	1889.3	1908.2	1911.0	1930.4	2043.8	2369.4	2877.8	2877.3	2856.2	2293.8
35°	2043.2	2060.4	2064.3	2068.2	2077.7	2180.5	2494.4	3066.2	3139.0	3114.5	2465.0
37.5°	2228.8	2253.8	2259.9	2242.7	2256.0	2344.9	2635.0	3217.3	3366.8	3340.7	2630.5
40°	2427.2	2437.2	2453.8	2426.6	2443.3	2533.3	2772.8	3314.0	3536.8	3509.1	2761.1
42.5°	2569.4	2587.8	2612.8	2602.8	2612.2	2694.5	2869.5	3360.7	3658.0	3630.2	2855.0
45°	2723.9	2729.5	2745.6	2743.3	2748.9	2825.6	2938.9	3381.3	3766.3	3741.3	2935.1
47.5°	2858.4	2866.7	2877.3	2865.0	2852.8	2902.8	2995.6	3399.0	3891.4	3861.4	3019.0
50°	2987.8	2995.1	3007.8	2972.3	2926.7	2939.5	3023.4	3423.5	4008.6	3987.5	3085.1
52.5°	3011.7	3019.5	3079.5	3086.8	3028.4	2983.4	3072.3	3477.4	4077.5	4064.2	3109.0
55°	2711.1	2725.0	2844.5	2981.7	3125.7	3111.2	3150.7	3505.7	4104.7	4108.1	3151.8
57.5°	2104.3	2124.3	2298.8	2487.2	2790.0	3040.6	3160.7	3498.5	4095.3	4113.6	3195.7
60°	1380.3	1392.0	1598.7	1809.8	2123.8	2470.5	2828.9	3368.5	4011.4	4037.5	3184.6
62.5°	833.5	846.8	1013.0	1173.0	1358.1	1589.8	1918.7	2707.2	3362.4	3420.7	2550.5
65°	581.8	599.6	745.2	876.8	940.8	893.0	971.9	1512.0	2094.9	2119.3	1558.7
67.5°	421.8	434.0	553.4	710.1	780.7	630.7	480.7	669.6	912.4	921.3	642.9
70°	276.2	290.1	398.4	540.7	637.4	511.2	359.5	362.3	384.0	388.4	373.4
72.5°	151.7	160.0	246.2	359.0	376.7	305.6	280.6	301.2	316.2	316.2	320.1
75°	78.3	85.6	100.6	118.4	142.8	167.3	202.3	232.8	248.9	250.1	248.4
77.5°	40.0	42.8	53.9	58.3	63.9	74.5	96.7	123.9	138.4	143.9	142.8
80°	18.9	20.0	22.8	26.7	32.8	41.7	52.2	62.2	71.1	72.2	78.3
82.5°	10.0	11.1	12.2	14.4	17.8	22.2	30.6	36.7	42.2	43.3	48.3
85°	3.9	4.4	5.0	5.6	7.8	9.4	12.8	17.2	21.1	21.1	25.0
87.5°	0.0	0.0	0.0	0.0	0.6	1.1	2.2	2.8	3.9	3.9	6.7
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°	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3	1210.3
2.5°	1222.5	1206.4	1199.1	1187.5	1178.0	1167.5	1159.1	1153.0	1149.1	1146.9	1144.7
5°	1242.5	1218.0	1198.6	1175.2	1159.1	1143.6	1130.8	1121.9	1117.5	1114.1	1111.9
7.5°	1273.6	1240.8	1204.1	1168.0	1139.7	1114.7	1098.6	1089.1	1083.0	1080.8	1079.1
10°	1316.4	1270.8	1210.3	1153.0	1110.8	1083.6	1072.4	1068.0	1068.6	1067.4	1066.9
12.5°	1364.7	1302.5	1208.6	1126.3	1079.7	1063.6	1064.1	1071.3	1079.7	1081.9	1082.4
15°	1417.0	1333.6	1192.5	1091.9	1055.2	1056.9	1071.3	1088.6	1104.1	1110.2	1111.3
17.5°	1473.6	1359.7	1163.0	1054.1	1035.2	1053.0	1079.7	1108.0	1130.8	1140.8	1143.6
20°	1537.0	1382.0	1121.3	1016.9	1016.3	1045.8	1084.7	1121.9	1150.8	1164.1	1166.4
22.5°	1604.2	1395.8	1070.2	982.4	996.9	1036.3	1080.8	1119.7	1150.2	1163.6	1166.4
25°	1672.0	1400.3	1014.1	950.8	976.9	1021.3	1061.9	1093.0	1121.9	1133.6	1135.8
27.5°	1735.4	1387.5	960.8	923.5	958.5	999.1	1026.3	1043.0	1063.0	1071.9	1073.6
30°	1799.8	1362.0	915.7	901.9	938.0	968.5	980.8	981.9	989.7	989.7	990.8
32.5°	1864.8	1324.2	876.3	880.7	912.4	932.4	934.1	921.3	911.9	896.3	895.7
35°	1939.8	1285.8	844.1	856.8	882.4	894.6	889.6	865.2	842.4	816.8	815.7
37.5°	2009.3	1246.4	816.8	832.4	848.5	857.4	845.7	816.3	797.4	771.3	767.4
40°	2066.5	1210.8	790.7	806.8	814.6	822.4	803.5	779.6	782.4	767.9	767.4
42.5°	2099.9	1176.4	766.3	778.5	783.5	789.1	772.4	754.6	769.6	758.5	759.0
45°	2124.3	1146.4	744.0	748.5	760.7	769.0	753.5	733.5	736.8	694.0	684.0
47.5°	2152.1	1129.7	722.9	718.5	740.2	754.6	730.7	701.8	681.8	639.6	635.7
50°	2181.6	1123.6	700.7	688.5	714.6	728.5	700.7	664.6	638.5	615.7	613.5
52.5°	2191.6	1123.0	672.9	652.4	678.5	697.9	674.6	637.9	606.8	584.6	583.5
55°	2231.0	1139.1	637.4	602.9	627.4	667.4	650.1	597.3	572.3	562.3	561.2
57.5°	2277.1	1141.9	581.2	549.0	582.9	630.1	608.5	562.9	535.7	523.4	522.3
60°	2258.2	1073.6	521.2	507.9	545.1	595.1	575.1	535.7	504.0	492.3	491.2
62.5°	1720.9	757.9	477.3	472.3	504.5	544.6	540.7	499.5	469.5	461.2	460.1
65°	1035.2	532.3	435.1	434.5	457.3	495.7	500.7	467.3	435.6	424.0	424.0
67.5°	511.8	407.3	387.3	384.5	399.0	426.2	447.3	420.1	393.4	382.3	380.6
70°	361.7	359.0	352.3	344.5	347.3	358.4	367.3	344.5	316.2	305.1	302.8
72.5°	312.8	313.4	309.0	302.8	300.6	292.8	285.1	268.4	251.2	239.5	240.6
75°	242.8	243.9	246.7	244.5	238.4	230.0	221.7	200.6	186.7	175.6	173.4
77.5°	141.7	147.3	156.1	153.9	155.0	143.4	140.0	119.5	106.7	98.9	97.2
80°	80.0	83.4	87.2	90.0	86.7	81.7	74.5	63.3	59.5	53.9	52.8
82.5°	48.3	51.7	53.3	55.6	54.5	47.8	42.2	35.0	31.7	28.9	28.3
85°	24.4	26.7	28.3	29.5	26.1	21.7	19.4	15.6	13.3	11.7	11.7
87.5°	6.1	6.7	7.8	6.7	6.1	2.8	2.2	0.6	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)