

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: P631459

Luminaire Tested: GWS-SA1F-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8505.6 lumens
Efficiency: N/A
Efficacy: 126.6 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

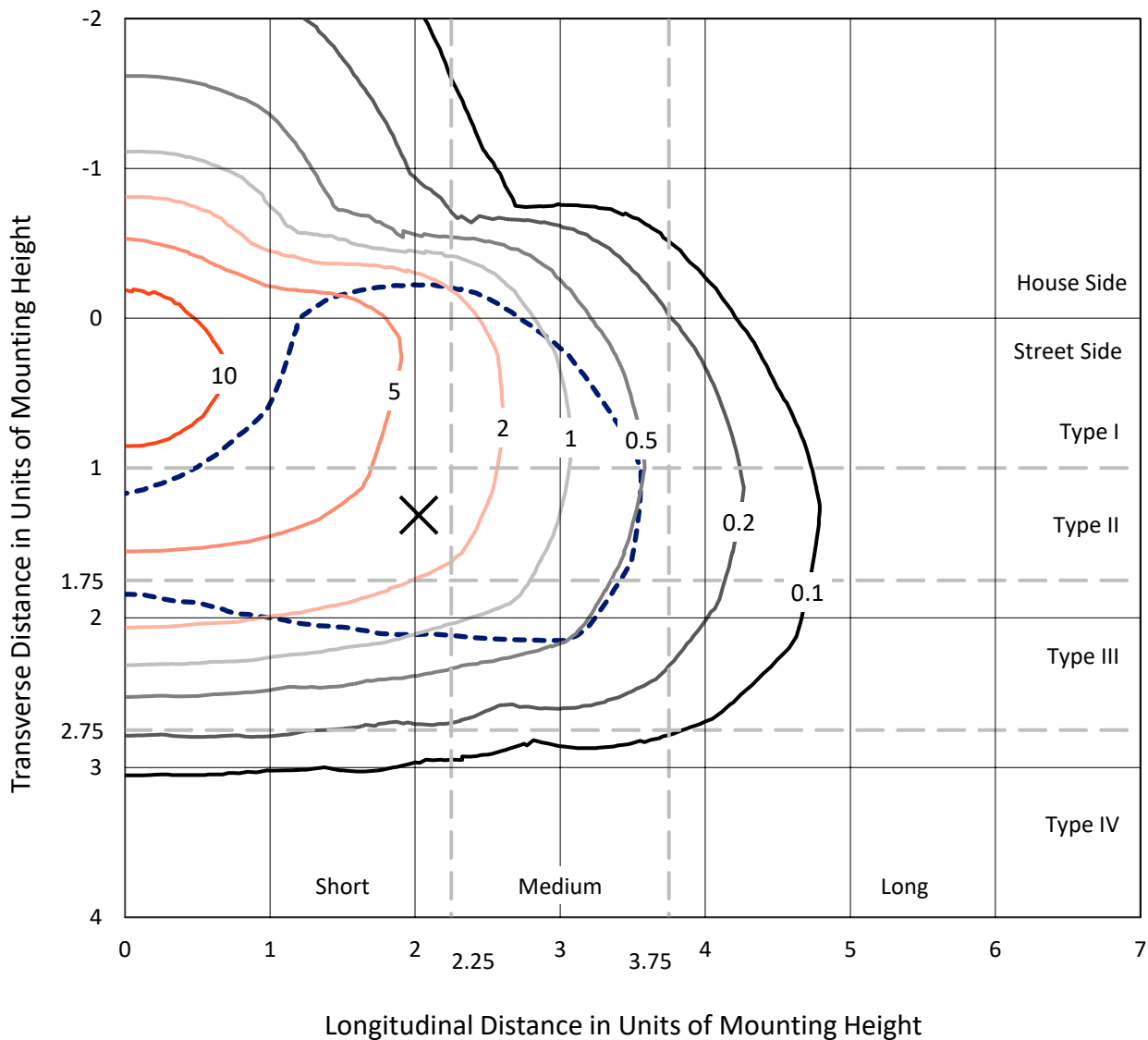
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

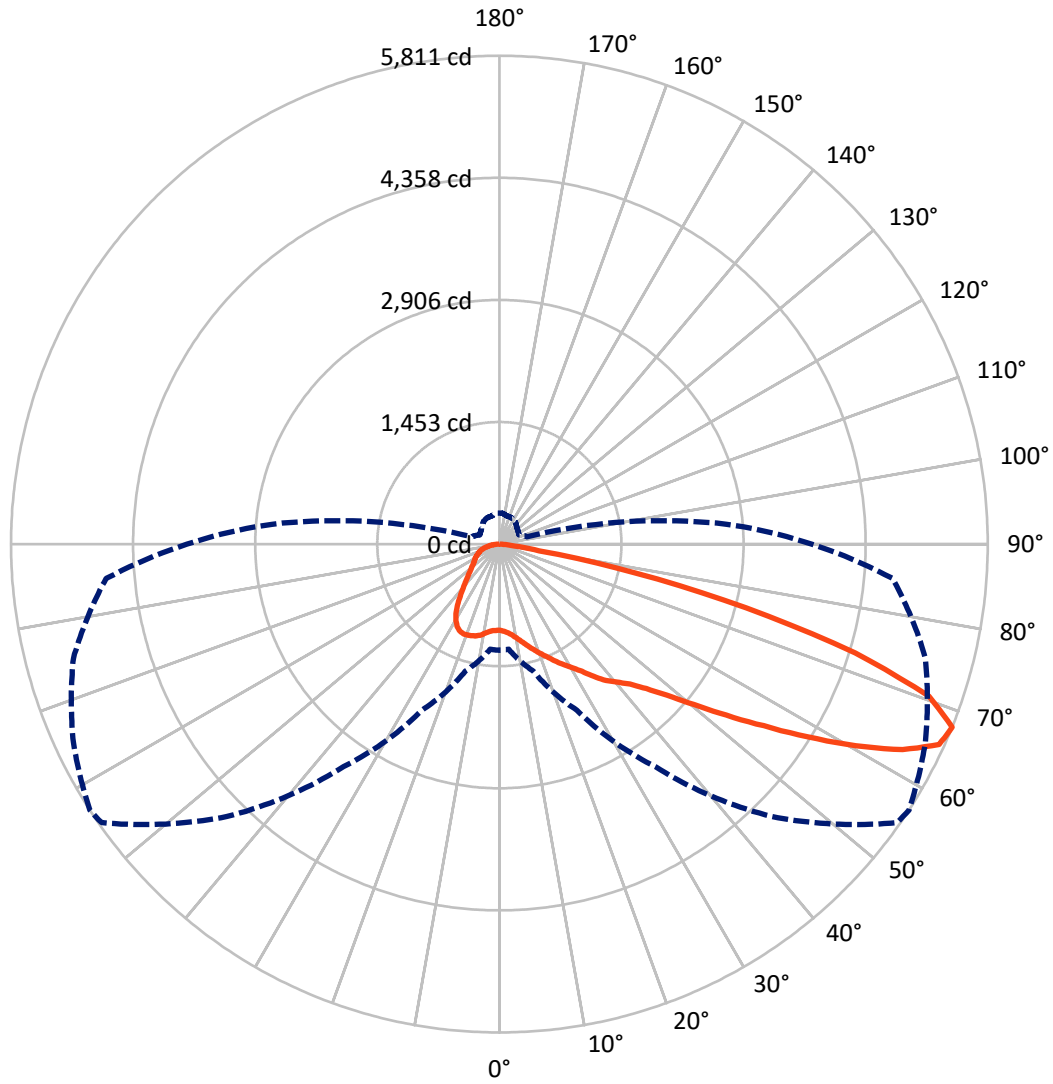
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.0	0.0	1870.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6635.5	0.0	6635.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	8505.6	0.0	8505.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	1.2
10°-20°	336.5	4.0
20°-30°	599.9	7.1
30°-40°	872.2	10.3
40°-50°	1262.4	14.8
50°-60°	1975.6	23.2
60°-70°	2304.6	27.1
70°-80°	962.0	11.3
80°-90°	90.8	1.1
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°	8505.6	100.0
0°-180°	8505.6	100.0

Coefficient of Utilization



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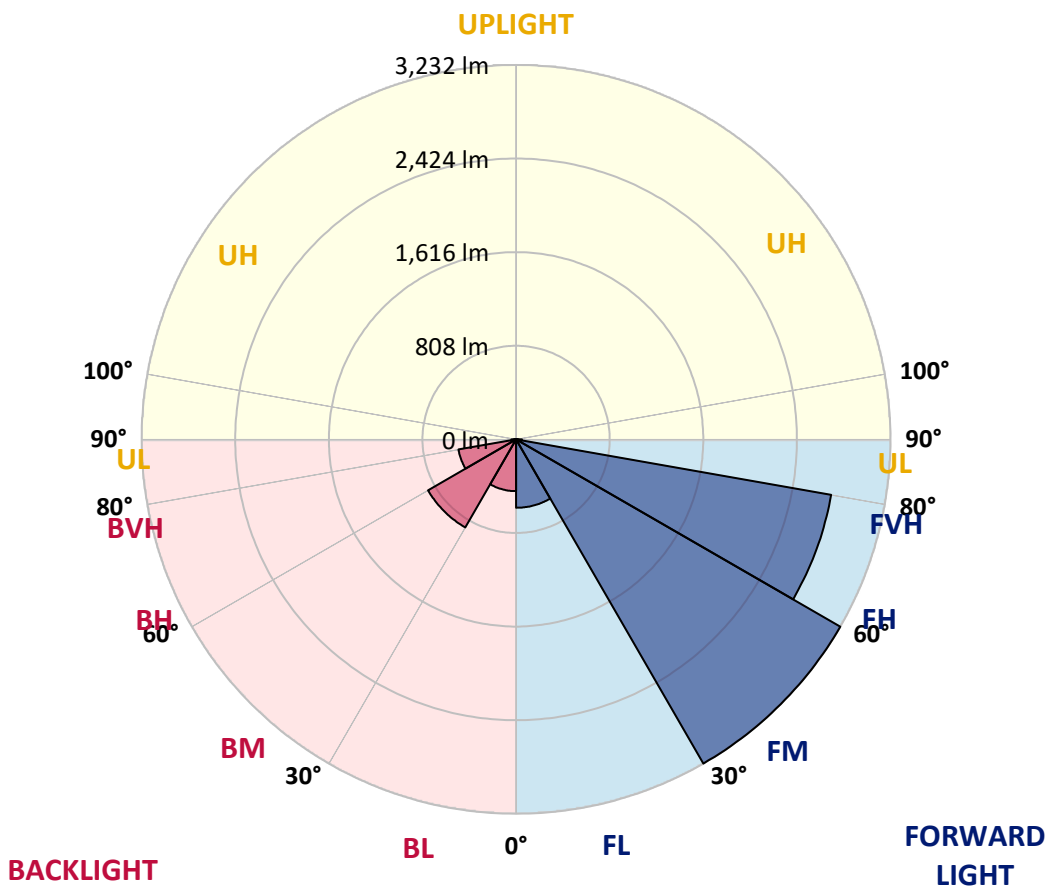
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.8	6.9			
FM (30°-60°)	3232.3	38.0			
FH (60°-80°)	2761.9	32.5			G2/5000
FVH (80°-90°)	50.6	0.6			G1/100
BL (0°-30°)	447.3	5.3	B1/500		
BM (30°-60°)	877.9	10.3	B1/1000		
BH (60°-80°)	504.7	5.9	B2/1000		G2/1000
BVH (80°-90°)	40.2	0.5			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9
2.5°	1039.5	1038.3	1037.7	1041.3	1040.1	1039.5	1039.5	1038.9	1037.7	1032.8	1026.1
5°	1068.1	1065.7	1063.3	1066.3	1063.9	1061.4	1060.8	1059.6	1055.3	1048.0	1037.7
7.5°	1098.0	1095.5	1096.2	1098.0	1096.2	1094.9	1093.1	1091.9	1085.2	1073.6	1059.6
10°	1140.0	1140.0	1141.2	1143.1	1143.7	1141.9	1138.2	1136.4	1128.5	1113.8	1094.3
12.5°	1201.0	1199.7	1199.7	1198.5	1200.3	1198.5	1194.9	1191.8	1182.1	1163.2	1135.2
15°	1281.4	1276.5	1272.2	1264.3	1261.9	1255.2	1256.4	1254.6	1245.4	1219.8	1184.5
17.5°	1367.3	1366.7	1360.0	1344.1	1328.3	1317.3	1319.8	1319.2	1314.3	1279.6	1234.5
20°	1442.9	1445.9	1439.8	1427.6	1406.3	1385.6	1384.4	1387.4	1381.3	1346.6	1283.8
22.5°	1527.6	1525.1	1519.0	1503.2	1487.3	1465.4	1458.1	1455.7	1453.2	1413.6	1334.4
25°	1608.0	1615.3	1607.4	1592.7	1568.4	1544.6	1538.5	1541.0	1534.3	1481.9	1388.6
27.5°	1709.7	1712.8	1707.9	1687.8	1667.1	1633.6	1622.0	1622.0	1619.6	1545.8	1431.3
30°	1818.2	1826.7	1818.2	1801.7	1780.4	1732.3	1707.3	1704.9	1697.6	1611.6	1481.2
32.5°	1927.3	1933.4	1927.3	1911.4	1887.0	1845.0	1809.1	1803.6	1793.8	1683.5	1532.4
35°	2024.1	2029.6	2028.4	2032.1	2012.0	1958.9	1937.0	1934.6	1909.0	1777.4	1601.9
37.5°	2130.2	2136.9	2127.7	2135.0	2127.1	2077.2	2070.5	2058.3	2021.7	1865.7	1675.0
40°	2250.8	2256.9	2242.3	2245.3	2236.2	2208.2	2174.0	2157.6	2103.4	1961.4	1790.2
42.5°	2380.0	2394.0	2400.7	2395.2	2373.9	2358.0	2298.3	2277.6	2232.5	2133.8	1979.7
45°	2567.0	2587.8	2597.5	2583.5	2574.4	2551.8	2478.7	2453.7	2429.9	2376.9	2244.1
47.5°	2768.7	2787.6	2818.7	2824.8	2832.1	2815.0	2712.1	2687.7	2692.0	2685.9	2569.5
50°	2929.6	2945.4	3015.5	3090.4	3152.6	3157.5	3025.9	2999.7	3022.8	3042.3	2961.3
52.5°	3046.6	3060.6	3153.2	3308.0	3448.7	3552.9	3410.9	3381.1	3400.0	3443.8	3406.7
55°	3141.6	3161.1	3258.0	3495.6	3780.2	3944.7	3853.9	3816.1	3808.2	3862.4	3883.8
57.5°	3191.6	3197.7	3333.6	3642.5	4023.3	4329.2	4368.8	4326.1	4250.6	4280.4	4391.3
60°	3077.6	3088.0	3273.8	3680.3	4215.2	4710.6	4909.2	4873.9	4713.0	4729.5	4852.0
62.5°	2762.6	2777.3	3000.9	3500.5	4231.1	4965.3	5408.3	5385.7	5170.0	5081.1	5117.6
65°	2216.1	2221.0	2452.5	3055.7	3916.1	4997.0	5756.2	5750.7	5489.3	5280.9	5124.3
67.5°	1263.7	1255.2	1564.7	2179.5	3231.8	4585.1	5778.7	5811.0	5592.9	5248.0	4697.8
70°	547.8	549.0	691.6	1075.4	2091.8	3705.9	5367.5	5422.9	5293.1	4700.3	3737.5
72.5°	253.5	257.1	318.7	465.5	893.3	2298.9	4376.7	4426.7	4315.2	3761.9	2719.4
75°	179.1	182.2	212.7	266.9	410.7	895.7	2927.8	3032.6	3086.8	2813.8	1792.0
77.5°	135.9	140.1	155.4	185.2	253.5	317.5	1400.8	1650.6	1966.3	1750.6	923.1
80°	86.5	86.5	103.0	123.7	154.8	165.1	404.6	479.5	962.1	721.4	362.5
82.5°	58.5	60.3	70.1	78.6	89.0	93.8	173.7	185.2	277.8	245.6	149.3
85°	31.1	32.3	36.6	35.9	42.7	37.2	73.1	72.5	101.8	111.5	56.7
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	7.9	8.5	21.3	34.1	18.9
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°	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9
2.5°	1029.7	1022.4	1026.1	1024.9	1028.5	1028.5	1021.8	1020.0	1020.6	1013.3	1010.9
5°	1038.9	1030.4	1032.2	1029.7	1033.4	1036.4	1033.4	1033.4	1037.1	1031.6	1028.5
7.5°	1059.6	1049.8	1049.8	1046.8	1051.1	1053.5	1051.1	1054.7	1061.4	1055.9	1052.9
10°	1092.5	1080.9	1081.5	1077.9	1079.7	1078.5	1068.7	1065.7	1067.5	1062.6	1060.2
12.5°	1135.2	1119.3	1119.3	1112.0	1107.7	1094.9	1074.8	1067.5	1068.7	1064.5	1062.6
15°	1176.0	1161.4	1158.3	1143.7	1124.2	1100.4	1082.1	1077.3	1078.5	1074.2	1071.2
17.5°	1224.1	1205.2	1194.3	1167.4	1131.5	1107.1	1088.8	1077.3	1067.5	1057.8	1055.3
20°	1268.6	1244.8	1224.7	1183.3	1139.4	1105.9	1071.8	1043.1	1019.4	1006.6	1003.5
22.5°	1314.3	1283.8	1248.5	1194.3	1138.8	1084.0	1021.2	977.9	942.6	923.7	927.4
25°	1357.6	1319.2	1271.0	1204.6	1119.3	1035.2	949.9	885.3	845.1	830.5	826.2
27.5°	1393.5	1346.0	1291.7	1199.7	1079.1	965.2	852.4	780.5	741.5	725.1	720.8
30°	1433.7	1380.1	1321.6	1177.2	1015.7	867.1	742.1	683.7	655.6	639.8	640.4
32.5°	1480.0	1424.0	1363.6	1133.9	934.7	761.0	651.4	611.1	588.6	572.8	570.3
35°	1542.2	1486.7	1391.7	1068.7	831.7	663.5	589.2	556.3	528.3	507.6	503.3
37.5°	1618.9	1581.2	1394.7	981.6	721.4	596.5	544.7	509.4	475.3	447.8	444.8
40°	1750.6	1707.3	1369.7	872.5	627.6	553.3	507.6	466.7	427.1	396.7	392.4
42.5°	1938.2	1849.3	1316.1	749.5	556.9	519.1	472.2	420.4	380.2	358.9	355.8
45°	2177.1	2007.7	1235.7	633.7	504.5	485.6	435.1	380.8	359.5	344.3	341.2
47.5°	2469.6	2192.3	1143.1	543.5	463.7	455.2	397.3	367.4	348.5	335.7	332.7
50°	2819.3	2427.5	1066.9	472.8	427.1	419.8	385.1	359.5	344.3	333.9	331.5
52.5°	3218.4	2688.9	1029.7	422.3	395.4	388.1	380.8	357.7	344.9	337.0	333.9
55°	3632.7	2964.3	995.0	383.3	368.6	372.9	381.4	363.8	354.0	343.7	340.6
57.5°	4033.1	3222.7	909.7	352.8	349.1	365.6	384.5	369.9	358.3	347.9	344.3
60°	4309.1	3364.0	765.3	328.4	334.5	356.4	376.6	360.7	346.1	341.8	340.0
62.5°	4383.4	3347.0	594.1	303.4	316.8	336.3	355.8	345.5	330.2	337.0	337.6
65°	4209.8	3164.2	446.0	279.1	293.7	310.1	334.5	330.2	324.8	343.0	343.7
67.5°	3718.0	2715.1	340.0	257.7	269.9	290.0	327.8	345.5	346.7	369.9	367.4
70°	2813.2	2028.4	266.3	237.6	251.6	290.0	349.1	357.1	342.4	363.8	358.9
72.5°	1944.9	1338.7	226.7	220.0	229.1	276.6	348.5	348.5	332.7	332.7	323.5
75°	1208.3	787.2	197.4	197.4	197.4	241.9	338.8	321.1	293.1	280.3	273.0
77.5°	596.5	382.6	165.7	171.8	165.1	202.3	276.6	262.6	245.6	232.1	227.3
80°	254.7	191.3	134.0	140.8	132.8	152.3	219.4	216.3	199.9	182.2	176.7
82.5°	117.0	98.7	107.2	110.3	96.9	114.6	160.2	160.2	151.1	126.7	117.6
85°	50.0	52.4	74.3	74.3	60.9	64.6	85.9	81.6	73.1	59.7	54.8
87.5°	17.1	25.6	37.8	32.9	12.8	5.5	3.0	1.2	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)