

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: P632620

Luminaire Tested: GWS-SA2D-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8307.4 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

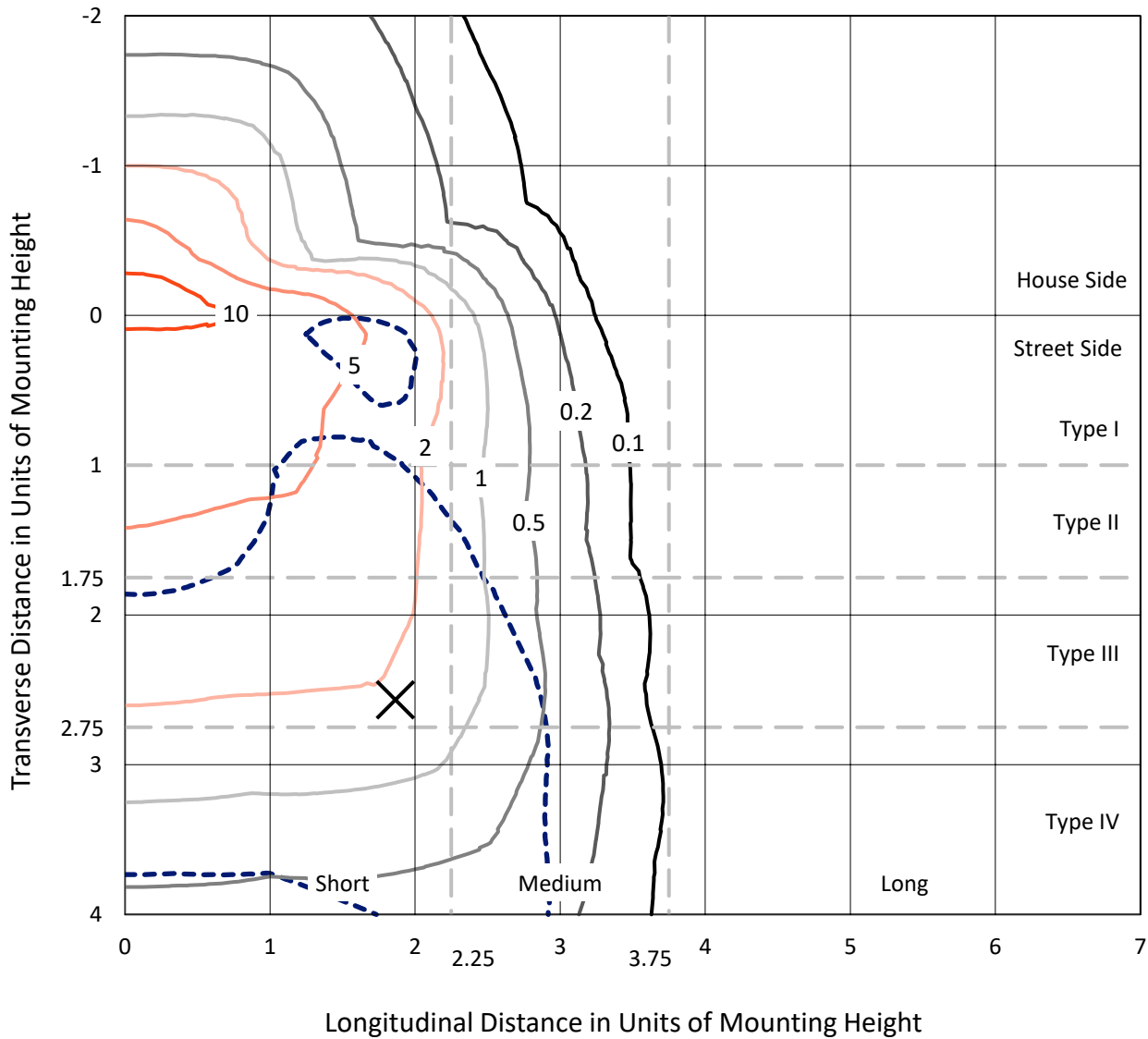
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632620
 CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

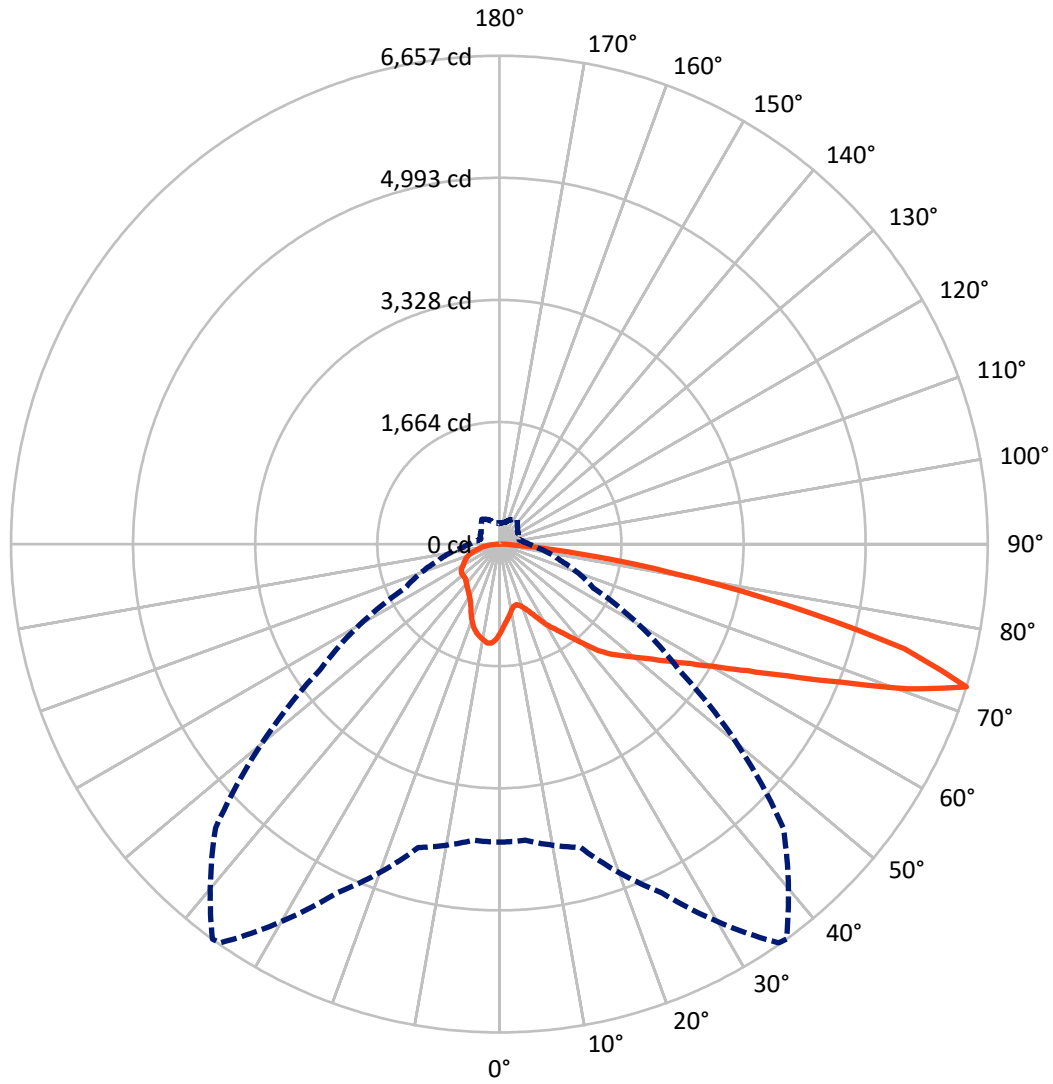
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P632620
CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P632620

CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1915.2	0.0	1915.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6392.2	0.0	6392.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	8307.4	0.0	8307.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.4
10°-20°	320.6	3.9
20°-30°	531.0	6.4
30°-40°	795.3	9.6
40°-50°	1160.2	14.0
50°-60°	1651.3	19.9
60°-70°	2086.3	25.1
70°-80°	1486.7	17.9
80°-90°	162.3	2.0
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°	8307.4	100.0
0°-180°	8307.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632620

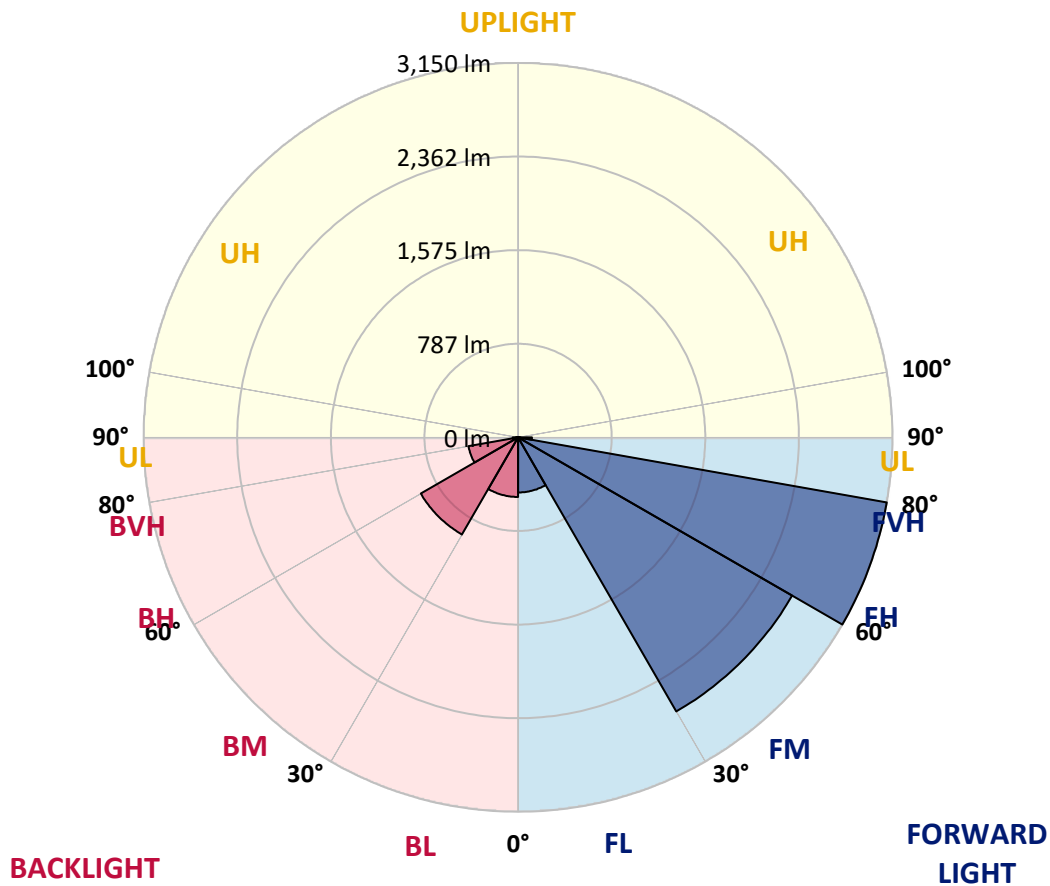
CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.8	5.6			
FM (30°-60°)	2662.3	32.0			
FH (60°-80°)	3149.6	37.9			G2/5000
FVH (80°-90°)	116.5	1.4			G2/225
BL (0°-30°)	501.5	6.0	B2/1000		
BM (30°-60°)	944.5	11.4	B1/1000		
BH (60°-80°)	423.4	5.1	B1/500		G1/500
BVH (80°-90°)	45.8	0.6			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 IV Short





REPORT NUMBER: P632620

CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8
2.5°	1109.2	1107.3	1103.6	1114.7	1125.8	1124.6	1140.0	1154.8	1170.8	1187.5	1209.7
5°	1020.4	1019.1	1016.1	1032.7	1049.4	1048.7	1074.0	1098.1	1130.7	1166.5	1210.9
7.5°	931.6	928.5	932.8	953.8	977.2	979.7	1014.2	1053.7	1101.1	1154.8	1217.7
10°	853.3	852.7	854.5	878.0	913.1	915.6	960.0	1014.8	1077.7	1149.2	1233.1
12.5°	833.0	831.7	826.8	838.5	865.0	868.7	917.4	984.6	1061.7	1152.3	1254.1
15°	866.2	863.2	845.9	840.3	853.3	856.4	897.7	966.7	1052.4	1157.9	1280.6
17.5°	923.6	921.7	889.1	866.2	874.9	877.3	908.2	963.7	1050.0	1169.0	1313.2
20°	1007.4	999.4	948.2	913.7	913.7	917.4	935.9	977.2	1053.1	1182.5	1350.2
22.5°	1118.4	1102.4	1030.2	983.4	971.1	976.0	984.0	1011.1	1066.0	1205.3	1396.5
25°	1243.0	1228.2	1142.5	1076.5	1059.2	1061.1	1054.3	1059.2	1094.4	1236.8	1453.8
27.5°	1375.5	1365.6	1274.4	1190.5	1163.4	1163.4	1139.4	1127.7	1133.8	1272.5	1517.9
30°	1493.9	1480.3	1403.3	1311.4	1275.6	1275.6	1230.0	1204.7	1189.9	1316.3	1603.6
32.5°	1556.2	1548.1	1497.0	1426.7	1382.9	1376.1	1336.7	1307.1	1272.5	1381.1	1719.5
35°	1637.5	1635.7	1604.9	1550.0	1494.5	1484.6	1457.5	1434.1	1374.3	1461.8	1873.7
37.5°	1739.9	1736.8	1731.9	1699.2	1632.6	1630.8	1606.7	1578.4	1500.7	1578.4	2060.5
40°	1854.6	1849.0	1842.9	1842.2	1802.2	1795.4	1793.5	1761.5	1653.0	1718.9	2255.3
42.5°	2012.4	1993.3	1935.3	1961.2	1990.8	1984.7	2008.1	1960.0	1842.9	1886.0	2439.7
45°	2206.6	2159.8	2045.1	2052.5	2127.1	2139.4	2220.8	2209.1	2051.9	2079.0	2633.9
47.5°	2323.1	2282.4	2175.8	2169.6	2262.7	2278.1	2455.1	2477.3	2276.9	2311.4	2873.7
50°	2418.7	2390.3	2302.8	2311.4	2410.1	2425.5	2687.5	2735.0	2489.0	2549.4	3152.4
52.5°	2534.0	2493.3	2425.5	2466.2	2587.0	2605.5	2945.8	2997.0	2680.1	2810.8	3440.9
55°	2598.7	2582.1	2583.3	2645.6	2797.3	2822.5	3216.5	3207.9	2855.2	3034.6	3658.0
57.5°	2747.9	2741.8	2798.5	2821.9	3042.6	3075.3	3487.2	3413.2	3014.3	3207.9	3762.2
60°	3011.2	2995.8	3045.1	3080.9	3346.0	3392.2	3789.3	3614.2	3122.2	3336.7	3727.0
62.5°	3381.1	3362.0	3363.9	3420.6	3752.3	3801.0	4125.3	3781.9	3155.5	3356.5	3504.4
65°	3841.1	3813.3	3781.9	3859.0	4291.8	4332.5	4490.9	3904.0	3075.9	3166.6	3039.6
67.5°	4326.3	4303.5	4266.5	4428.0	4990.3	5015.0	4900.9	3893.5	2823.8	2658.5	2132.0
70°	4354.7	4360.2	4535.3	5119.8	5902.2	5908.3	5288.7	3682.6	2286.8	1723.2	1062.3
72.5°	4062.4	4053.2	4281.3	5246.2	6635.9	6656.8	5471.8	2983.5	1413.1	859.5	498.2
75°	3299.7	3315.8	3555.6	4590.2	5687.6	5706.1	4460.7	1759.0	671.4	420.5	318.8
77.5°	1420.5	1509.9	1982.8	3233.8	4073.5	4016.2	2299.1	712.7	358.2	299.6	244.2
80°	410.0	445.1	706.6	1537.7	2440.9	2397.7	910.0	267.0	249.7	225.0	175.1
82.5°	132.6	146.7	258.9	612.2	1093.7	1092.5	345.3	157.8	163.4	152.9	112.8
85°	37.0	42.5	79.5	185.6	338.5	331.7	99.9	74.6	86.9	88.2	56.1
87.5°	0.0	0.0	0.6	1.2	1.2	1.2	2.5	11.1	25.3	32.1	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632620
 CATALOG NUMBER: GWS-SA2D-722-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8	1215.8
2.5°	1223.2	1221.4	1246.7	1266.4	1284.9	1297.2	1300.9	1303.4	1308.3	1310.8	1308.3
5°	1231.9	1241.1	1283.0	1313.9	1338.5	1353.3	1353.9	1352.7	1356.4	1353.3	1351.5
7.5°	1250.4	1268.2	1321.3	1353.9	1370.0	1370.6	1355.8	1338.5	1329.9	1322.5	1320.0
10°	1275.0	1301.5	1359.5	1381.1	1376.1	1353.3	1320.6	1293.5	1278.1	1267.0	1264.5
12.5°	1308.9	1338.5	1393.4	1392.8	1361.9	1321.3	1283.0	1250.4	1228.2	1215.2	1210.9
15°	1341.0	1378.6	1418.1	1389.1	1340.4	1291.0	1241.7	1197.9	1168.4	1148.0	1144.3
17.5°	1380.4	1420.5	1435.9	1377.4	1313.2	1249.7	1183.8	1126.4	1086.4	1062.3	1060.5
20°	1426.1	1461.8	1444.6	1357.0	1278.1	1194.9	1105.5	1041.3	998.2	974.8	976.6
22.5°	1479.1	1505.0	1447.0	1329.3	1229.4	1117.2	1017.3	955.6	926.7	914.3	915.0
25°	1535.8	1552.5	1442.7	1291.7	1154.8	1022.2	926.7	898.3	895.8	892.8	894.0
27.5°	1603.0	1599.3	1429.8	1238.6	1054.3	911.9	863.2	870.6	880.4	879.2	880.4
30°	1693.0	1657.9	1413.1	1165.3	934.7	819.4	825.6	846.5	859.5	860.7	864.4
32.5°	1796.0	1722.6	1386.6	1065.4	820.6	767.6	790.4	815.7	831.1	834.2	839.1
35°	1918.7	1796.6	1339.8	940.8	738.6	736.8	757.7	775.0	791.6	792.9	792.9
37.5°	2059.9	1870.6	1265.1	803.4	688.1	710.3	730.0	733.7	738.0	734.3	736.2
40°	2189.3	1942.1	1159.1	678.2	646.8	686.8	703.5	691.1	677.6	668.3	670.2
42.5°	2297.9	1990.8	1018.5	590.6	604.8	665.9	678.8	653.5	627.0	609.8	612.2
45°	2419.9	2035.8	853.3	531.5	569.1	651.1	659.7	627.0	593.1	567.2	563.5
47.5°	2588.3	2127.7	706.6	490.2	543.8	643.1	657.2	612.8	568.5	529.6	525.3
50°	2796.0	2257.8	583.9	463.0	532.1	638.7	656.6	597.4	544.4	498.8	495.7
52.5°	3022.9	2384.8	493.2	442.1	520.4	625.8	653.5	580.2	519.1	469.8	466.1
55°	3174.0	2434.7	432.2	422.3	501.3	605.4	641.2	563.5	480.9	435.9	430.3
57.5°	3218.4	2370.6	389.7	404.5	476.6	577.1	617.8	528.4	457.5	421.7	417.4
60°	3141.9	2209.1	363.1	389.7	449.5	540.7	577.1	508.0	439.0	406.9	403.8
62.5°	2926.1	1960.0	342.8	374.2	421.7	502.5	551.2	483.4	418.6	393.4	389.0
65°	2492.1	1607.3	326.2	358.2	395.2	466.1	522.8	458.7	396.4	377.3	372.4
67.5°	1743.0	1128.9	308.3	339.1	368.7	431.0	493.2	435.9	373.6	359.4	354.5
70°	852.1	598.7	286.7	316.9	340.3	395.2	463.6	408.2	343.4	335.4	328.6
72.5°	405.7	334.8	261.4	286.7	301.5	347.7	414.3	368.1	307.7	290.4	278.7
75°	271.9	238.0	228.1	250.9	254.6	291.6	355.1	317.5	271.3	251.6	241.7
77.5°	205.9	181.9	191.7	212.1	204.7	239.8	292.2	283.0	244.8	226.9	222.0
80°	144.9	132.6	152.3	164.6	159.1	204.1	263.3	242.3	201.6	181.9	178.2
82.5°	91.2	88.8	112.2	114.1	115.9	161.5	216.4	190.5	156.6	128.9	119.6
85°	45.6	50.6	67.2	67.2	66.6	83.2	123.3	107.3	84.5	67.2	65.4
87.5°	15.4	21.6	29.0	23.4	17.9	14.2	16.0	19.7	21.0	20.3	20.3
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)