

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: P632345

Luminaire Tested: GWS-SA2C-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632345
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-SA2C-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8939.8 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

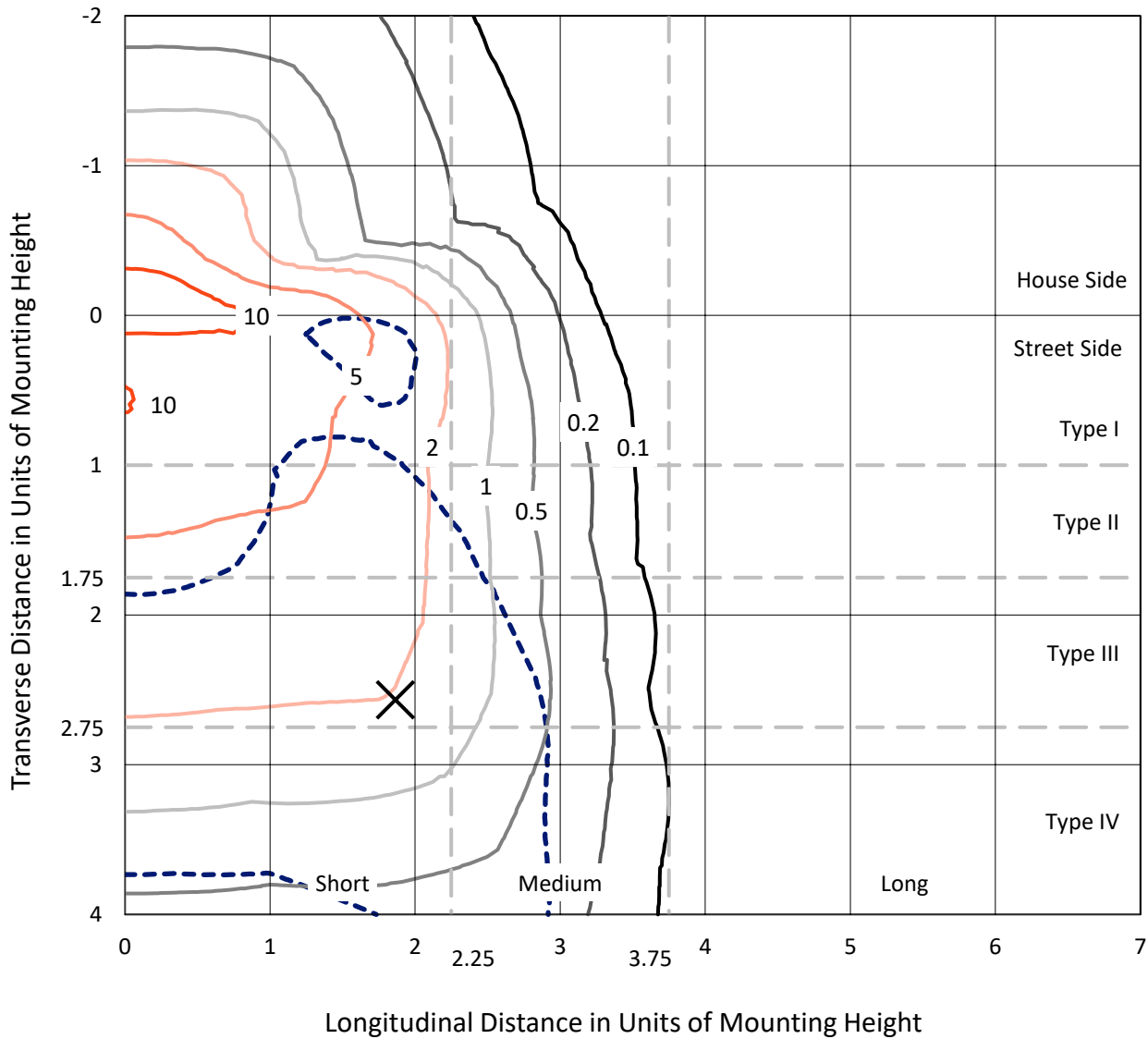
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

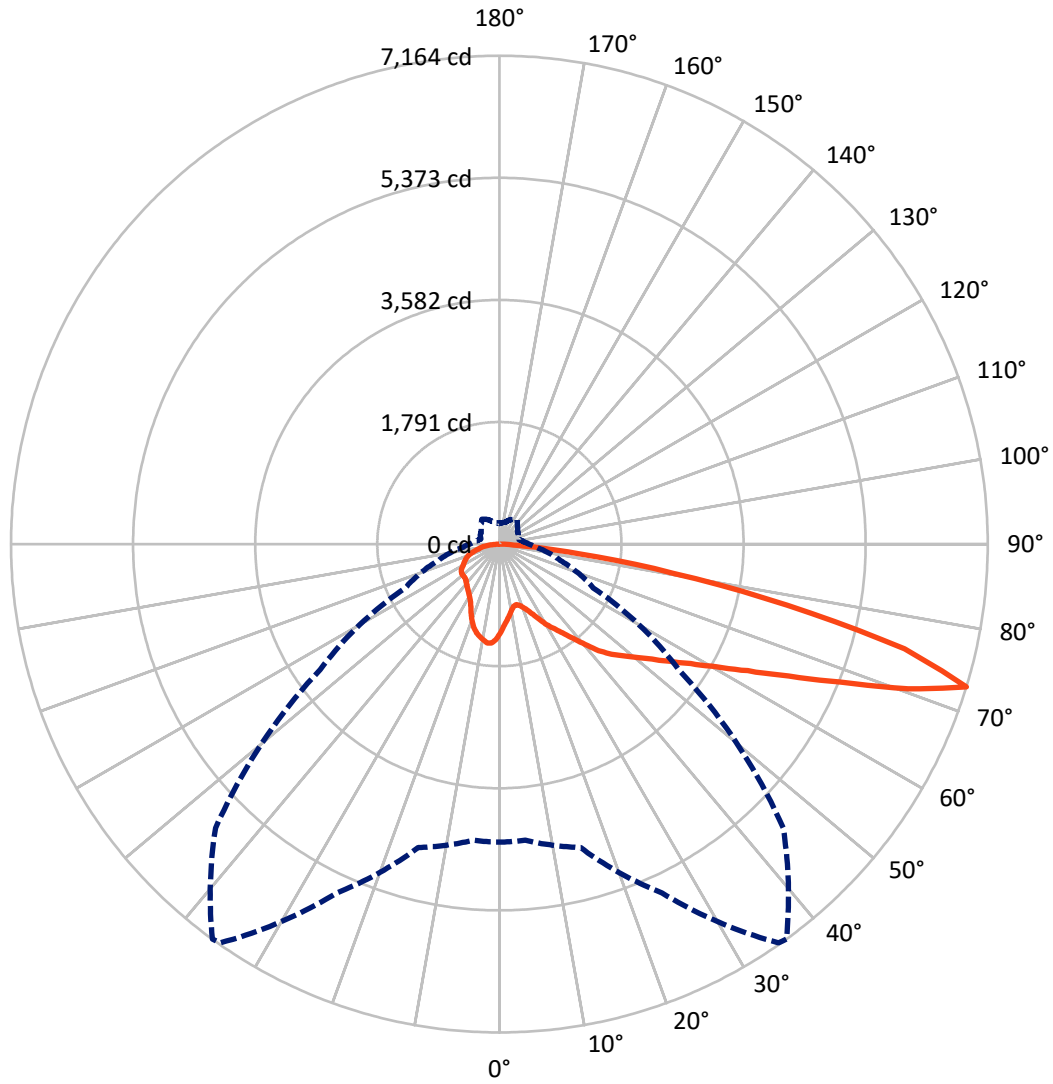
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2061.0	0.0	2061.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6878.8	0.0	6878.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	8939.8	0.0	8939.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	1.4
10°-20°	345.0	3.9
20°-30°	571.4	6.4
30°-40°	855.8	9.6
40°-50°	1248.5	14.0
50°-60°	1777.0	19.9
60°-70°	2245.1	25.1
70°-80°	1599.9	17.9
80°-90°	174.6	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°	8939.8	100.0
0°-180°	8939.8	100.0

Coefficient of Utilization



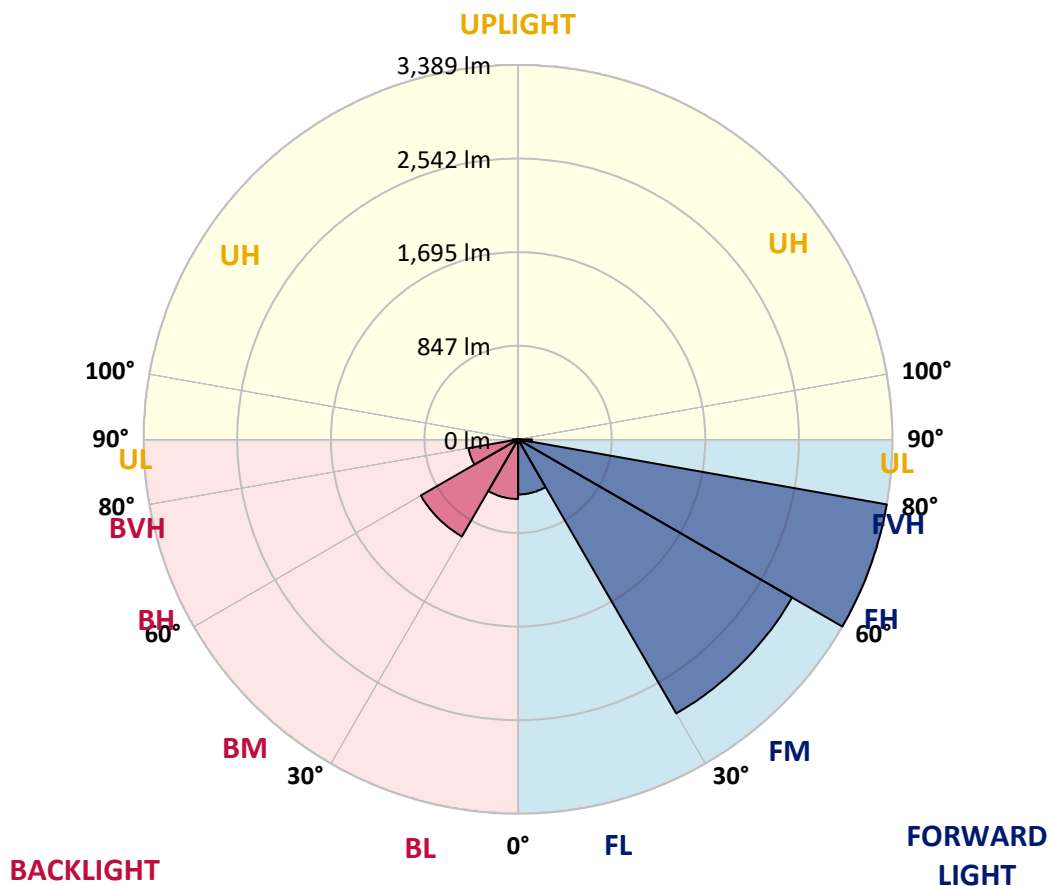
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.1	5.6			
FM (30°-60°)	2865.0	32.0			
FH (60°-80°)	3389.4	37.9			G2/5000
FVH (80°-90°)	125.4	1.4			G2/225
BL (0°-30°)	539.7	6.0	B2/1000		
BM (30°-60°)	1016.4	11.4	B2/2500		
BH (60°-80°)	455.6	5.1	B1/500		G1/500
BVH (80°-90°)	49.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4
2.5°	1193.6	1191.6	1187.6	1199.6	1211.5	1210.2	1226.8	1242.7	1259.9	1277.9	1301.7
5°	1098.1	1096.7	1093.4	1111.3	1129.2	1128.6	1155.8	1181.7	1216.8	1255.3	1303.1
7.5°	1002.5	999.2	1003.8	1026.4	1051.6	1054.3	1091.4	1133.9	1185.0	1242.7	1310.4
10°	918.3	917.6	919.6	944.8	982.6	985.3	1033.0	1092.1	1159.8	1236.7	1327.0
12.5°	896.4	895.0	889.7	902.3	930.9	934.8	987.3	1059.6	1142.5	1240.0	1349.5
15°	932.2	928.9	910.3	904.3	918.3	921.6	966.0	1040.3	1132.6	1246.0	1378.0
17.5°	993.9	991.9	956.7	932.2	941.5	944.1	977.3	1037.0	1129.9	1258.0	1413.2
20°	1084.1	1075.5	1020.4	983.3	983.3	987.3	1007.2	1051.6	1133.2	1272.6	1453.0
22.5°	1203.6	1186.3	1108.7	1058.2	1045.0	1050.3	1058.9	1088.1	1147.2	1297.1	1502.8
25°	1337.6	1321.6	1229.4	1158.4	1139.9	1141.8	1134.5	1139.9	1177.7	1330.9	1564.5
27.5°	1480.2	1469.6	1371.4	1281.2	1252.0	1252.0	1226.1	1213.5	1220.1	1369.4	1633.5
30°	1607.6	1593.0	1510.1	1411.2	1372.7	1372.7	1323.6	1296.4	1280.5	1416.5	1725.7
32.5°	1674.6	1666.0	1610.9	1535.3	1488.2	1480.9	1438.4	1406.6	1369.4	1486.2	1850.4
35°	1762.2	1760.2	1727.0	1668.0	1608.3	1597.7	1568.5	1543.3	1478.9	1573.1	2016.3
37.5°	1872.3	1869.0	1863.7	1828.5	1756.9	1754.9	1729.0	1698.5	1614.9	1698.5	2217.3
40°	1995.7	1989.8	1983.1	1982.5	1939.3	1932.0	1930.1	1895.6	1778.8	1849.8	2427.0
42.5°	2165.6	2145.0	2082.7	2110.5	2142.4	2135.7	2160.9	2109.2	1983.1	2029.6	2625.4
45°	2374.6	2324.2	2200.8	2208.7	2289.0	2302.3	2389.8	2377.2	2208.1	2237.2	2834.4
47.5°	2500.0	2456.2	2341.4	2334.8	2435.0	2451.6	2642.0	2665.9	2450.2	2487.4	3092.5
50°	2602.8	2572.3	2478.1	2487.4	2593.5	2610.1	2892.1	2943.2	2678.5	2743.5	3392.4
52.5°	2726.9	2683.1	2610.1	2653.9	2784.0	2803.9	3170.1	3225.2	2884.1	3024.8	3702.9
55°	2796.6	2778.6	2780.0	2847.0	3010.2	3037.4	3461.4	3452.1	3072.6	3265.6	3936.4
57.5°	2957.1	2950.5	3011.5	3036.7	3274.3	3309.4	3752.6	3673.0	3243.7	3452.1	4048.5
60°	3240.4	3223.8	3276.9	3315.4	3600.7	3650.5	4077.7	3889.3	3359.9	3590.7	4010.7
62.5°	3638.5	3617.9	3619.9	3681.0	4037.9	4090.3	4439.3	4069.8	3395.7	3612.0	3771.2
65°	4133.5	4103.6	4069.8	4152.7	4618.5	4662.3	4832.8	4201.1	3310.1	3407.6	3270.9
67.5°	4655.6	4631.1	4591.3	4765.1	5370.2	5396.7	5274.0	4189.9	3038.7	2860.9	2294.3
70°	4686.1	4692.1	4880.5	5509.5	6351.5	6358.1	5691.3	3963.0	2460.8	1854.4	1143.2
72.5°	4371.7	4361.7	4607.2	5645.5	7141.0	7163.6	5888.4	3210.6	1520.7	924.9	536.1
75°	3550.9	3568.2	3826.3	4939.6	6120.6	6140.5	4800.3	1892.9	722.5	452.5	343.0
77.5°	1528.7	1624.9	2133.7	3479.9	4383.6	4321.9	2474.1	767.0	385.5	322.5	262.7
80°	441.2	479.0	760.3	1654.7	2626.7	2580.3	979.3	287.3	268.7	242.2	188.4
82.5°	142.6	157.9	278.7	658.8	1177.0	1175.7	371.5	169.9	175.8	164.5	121.4
85°	39.8	45.8	85.6	199.7	364.2	357.0	107.5	80.3	93.6	94.9	60.4
87.5°	0.0	0.0	0.7	1.3	1.3	1.3	2.7	11.9	27.2	34.5	24.5
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°	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4
2.5°	1316.3	1314.4	1341.6	1362.8	1382.7	1396.0	1399.9	1402.6	1407.9	1410.6	1407.9
5°	1325.6	1335.6	1380.7	1413.9	1440.4	1456.3	1457.0	1455.7	1459.7	1456.3	1454.3
7.5°	1345.5	1364.8	1421.8	1457.0	1474.2	1474.9	1459.0	1440.4	1431.1	1423.2	1420.5
10°	1372.1	1400.6	1463.0	1486.2	1480.9	1456.3	1421.2	1392.0	1375.4	1363.4	1360.8
12.5°	1408.6	1440.4	1499.5	1498.8	1465.6	1421.8	1380.7	1345.5	1321.6	1307.7	1303.1
15°	1443.1	1483.5	1526.0	1494.8	1442.4	1389.3	1336.2	1289.1	1257.3	1235.4	1231.4
17.5°	1485.5	1528.7	1545.2	1482.2	1413.2	1344.9	1273.9	1212.2	1169.0	1143.2	1141.2
20°	1534.6	1573.1	1554.5	1460.3	1375.4	1285.8	1189.6	1120.6	1074.2	1049.0	1051.0
22.5°	1591.7	1619.6	1557.2	1430.5	1323.0	1202.2	1094.7	1028.4	997.2	983.9	984.6
25°	1652.7	1670.6	1552.5	1390.0	1242.7	1100.0	997.2	966.7	964.0	960.7	962.0
27.5°	1725.0	1721.1	1538.6	1332.9	1134.5	981.3	928.9	936.8	947.4	946.1	947.4
30°	1821.9	1784.1	1520.7	1254.0	1005.8	881.8	888.4	911.0	924.9	926.2	930.2
32.5°	1932.7	1853.8	1492.2	1146.5	883.1	826.0	850.6	877.8	894.4	897.7	903.0
35°	2064.7	1933.4	1441.7	1012.5	794.8	792.9	815.4	834.0	851.9	853.2	853.2
37.5°	2216.7	2013.0	1361.5	864.5	740.4	764.3	785.6	789.5	794.2	790.2	792.2
40°	2356.0	2090.0	1247.3	729.8	696.0	739.1	757.0	743.8	729.2	719.2	721.2
42.5°	2472.8	2142.4	1096.1	635.6	650.9	716.6	730.5	703.3	674.8	656.2	658.8
45°	2604.2	2190.8	918.3	571.9	612.4	700.6	709.9	674.8	638.3	610.4	606.4
47.5°	2785.3	2289.7	760.3	527.5	585.2	692.0	707.3	659.5	611.7	569.9	565.3
50°	3008.9	2429.7	628.3	498.3	572.6	687.4	706.6	642.9	585.9	536.8	533.4
52.5°	3253.0	2566.3	530.8	475.7	560.0	673.4	703.3	624.3	558.6	505.6	501.6
55°	3415.6	2620.1	465.1	454.5	539.4	651.5	690.0	606.4	517.5	469.1	463.1
57.5°	3463.4	2551.1	419.3	435.2	512.9	621.0	664.8	568.6	492.3	453.8	449.2
60°	3381.1	2377.2	390.8	419.3	483.7	581.9	621.0	546.7	472.4	437.9	434.6
62.5°	3148.9	2109.2	368.9	402.7	453.8	540.7	593.1	520.2	450.5	423.3	418.7
65°	2681.8	1729.7	351.0	385.5	425.3	501.6	562.6	493.6	426.6	406.0	400.7
67.5°	1875.7	1214.8	331.7	364.9	396.8	463.8	530.8	469.1	402.1	386.8	381.5
70°	916.9	644.2	308.5	341.0	366.2	425.3	498.9	439.2	369.6	360.9	353.6
72.5°	436.6	360.3	281.3	308.5	324.4	374.2	445.9	396.1	331.1	312.5	299.9
75°	292.6	256.1	245.5	270.0	274.0	313.8	382.2	341.7	291.9	270.7	260.1
77.5°	221.6	195.7	206.3	228.2	220.3	258.1	314.5	304.5	263.4	244.2	238.9
80°	155.9	142.6	163.9	177.1	171.2	219.6	283.3	260.7	217.0	195.7	191.7
82.5°	98.2	95.5	120.8	122.7	124.7	173.8	232.9	205.0	168.5	138.7	128.7
85°	49.1	54.4	72.3	72.3	71.7	89.6	132.7	115.4	90.9	72.3	70.3
87.5°	16.6	23.2	31.2	25.2	19.2	15.3	17.3	21.2	22.6	21.9	21.9
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)