

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: P632400

Luminaire Tested: GWS-SA2C-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632400
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-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9144.7 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

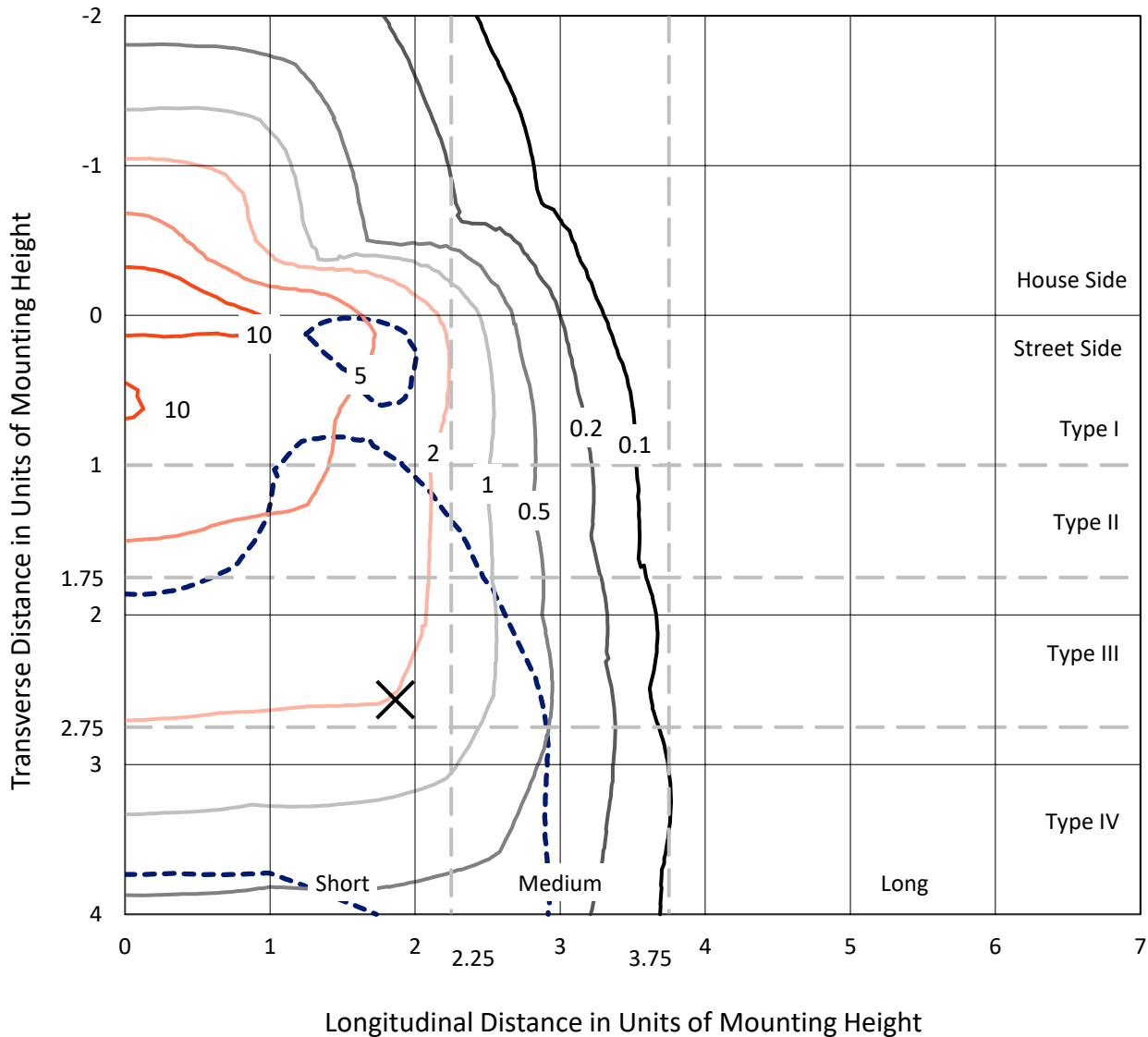
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

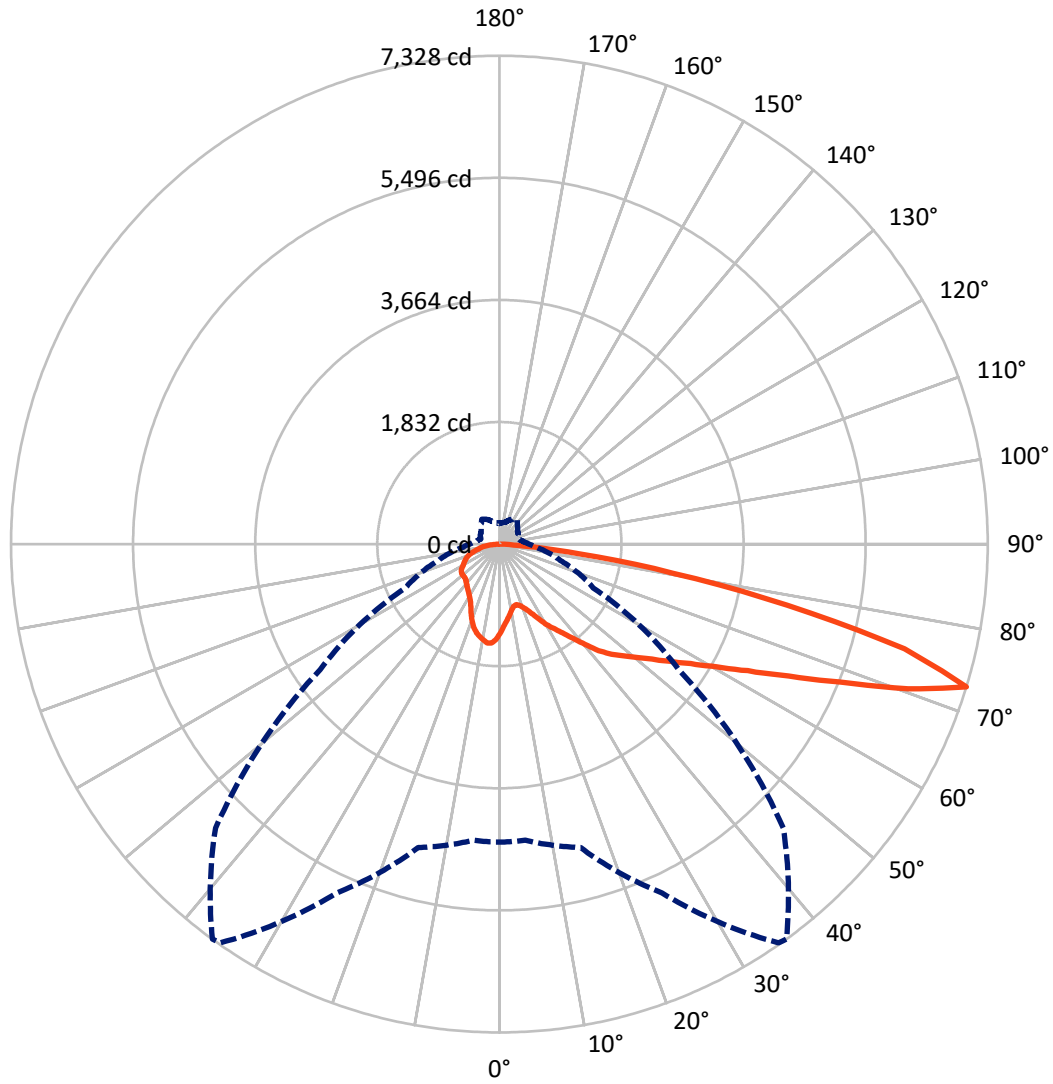
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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	2108.2	0.0	2108.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7036.5	0.0	7036.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	9144.7	0.0	9144.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.4
10°-20°	353.0	3.9
20°-30°	584.5	6.4
30°-40°	875.4	9.6
40°-50°	1277.1	14.0
50°-60°	1817.8	19.9
60°-70°	2296.6	25.1
70°-80°	1636.5	17.9
80°-90°	178.7	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°	9144.7	100.0
0°-180°	9144.7	100.0

Coefficient of Utilization



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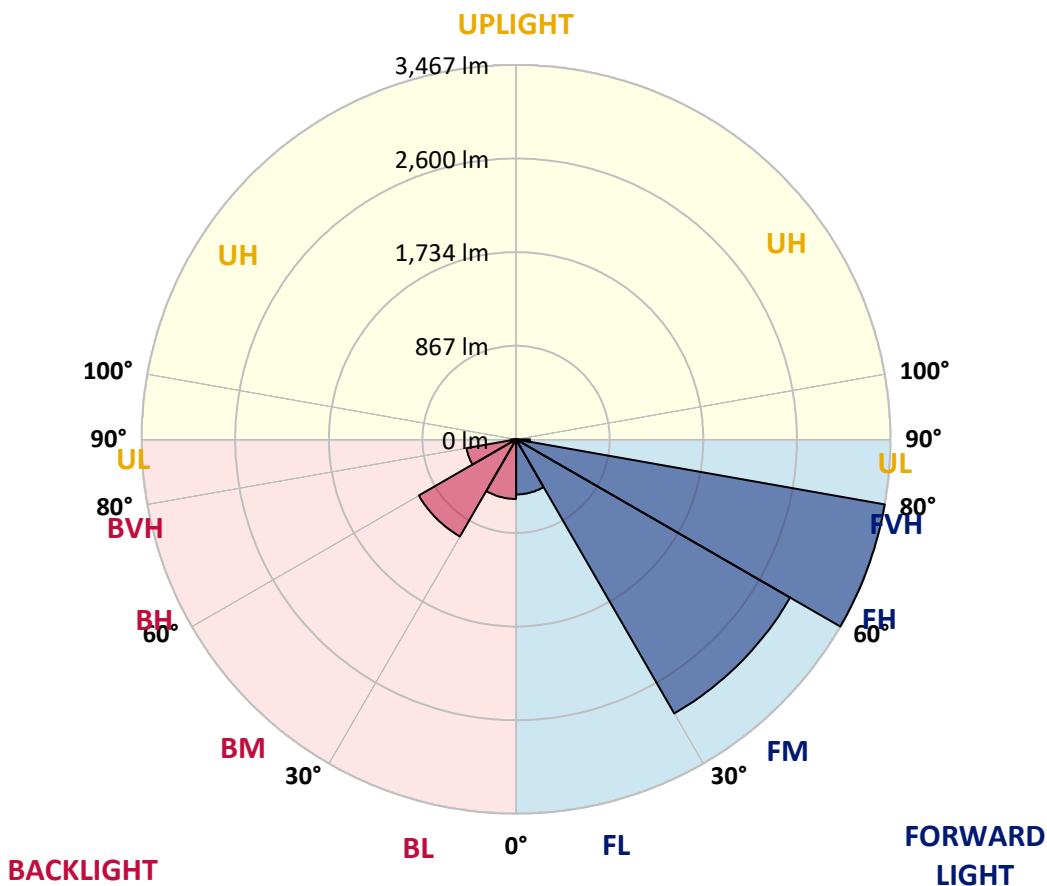
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.5	5.6			
FM (30°-60°)	2930.6	32.0			
FH (60°-80°)	3467.1	37.9			G2/5000
FVH (80°-90°)	128.2	1.4			G2/225
BL (0°-30°)	552.1	6.0	B2/1000		
BM (30°-60°)	1039.7	11.4	B2/2500		
BH (60°-80°)	466.1	5.1	B1/500		G1/500
BVH (80°-90°)	50.4	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°	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4
2.5°	1221.0	1218.9	1214.8	1227.1	1239.3	1237.9	1254.9	1271.2	1288.8	1307.1	1331.6
5°	1123.2	1121.9	1118.5	1136.8	1155.1	1154.4	1182.3	1208.7	1244.7	1284.1	1332.9
7.5°	1025.5	1022.1	1026.9	1049.9	1075.7	1078.4	1116.4	1159.9	1212.1	1271.2	1340.4
10°	939.3	938.6	940.7	966.4	1005.1	1007.8	1056.7	1117.1	1186.3	1265.1	1357.4
12.5°	916.9	915.5	910.1	923.0	952.2	956.3	1009.9	1083.9	1168.7	1268.5	1380.4
15°	953.6	950.2	931.2	925.0	939.3	942.7	988.2	1064.2	1158.5	1274.6	1409.6
17.5°	1016.7	1014.6	978.7	953.6	963.1	965.8	999.7	1060.8	1155.8	1286.8	1445.6
20°	1109.0	1100.1	1043.8	1005.8	1005.8	1009.9	1030.2	1075.7	1159.2	1301.7	1486.3
22.5°	1231.1	1213.5	1134.1	1082.5	1068.9	1074.4	1083.2	1113.0	1173.4	1326.8	1537.2
25°	1368.2	1351.9	1257.6	1185.0	1166.0	1168.0	1160.6	1166.0	1204.7	1361.4	1600.3
27.5°	1514.1	1503.3	1402.8	1310.5	1280.7	1280.7	1254.2	1241.3	1248.1	1400.8	1670.9
30°	1644.5	1629.5	1544.7	1443.6	1404.2	1404.2	1354.0	1326.2	1309.9	1449.0	1765.3
32.5°	1713.0	1704.2	1647.8	1570.5	1522.3	1514.8	1471.4	1438.8	1400.8	1520.3	1892.9
35°	1802.6	1800.6	1766.6	1706.2	1645.1	1634.3	1604.4	1578.6	1512.8	1609.2	2062.5
37.5°	1915.3	1911.9	1906.4	1870.5	1797.2	1795.1	1768.7	1737.4	1651.9	1737.4	2268.2
40°	2041.5	2035.4	2028.6	2027.9	1983.8	1976.3	1974.3	1939.0	1819.6	1892.2	2482.6
42.5°	2215.2	2194.2	2130.4	2158.9	2191.5	2184.7	2210.5	2157.5	2028.6	2076.1	2685.6
45°	2429.0	2377.4	2251.2	2259.3	2341.5	2355.0	2444.6	2431.7	2258.7	2288.5	2899.3
47.5°	2557.3	2512.5	2395.1	2388.3	2490.8	2507.7	2702.5	2727.0	2506.4	2544.4	3163.4
50°	2662.5	2631.3	2534.9	2544.4	2653.0	2669.9	2958.4	3010.6	2739.9	2806.4	3470.1
52.5°	2789.4	2744.6	2669.9	2714.7	2847.8	2868.1	3242.8	3299.1	2950.2	3094.1	3787.7
55°	2860.7	2842.3	2843.7	2912.2	3079.2	3107.0	3540.7	3531.2	3143.0	3340.5	4026.6
57.5°	3024.9	3018.1	3080.6	3106.3	3349.3	3385.3	3838.6	3757.2	3318.1	3531.2	4141.3
60°	3314.7	3297.7	3352.0	3391.4	3683.2	3734.1	4171.2	3978.5	3436.9	3673.0	4102.7
62.5°	3721.9	3700.9	3702.9	3765.3	4130.5	4184.1	4541.1	4163.1	3473.5	3694.8	3857.6
65°	4228.2	4197.7	4163.1	4247.9	4724.3	4769.1	4943.5	4297.4	3386.0	3485.7	3345.9
67.5°	4762.3	4737.2	4696.5	4874.3	5493.3	5520.4	5394.9	4285.9	3108.4	2926.5	2346.9
70°	4793.6	4799.7	4992.4	5635.8	6497.1	6503.8	5821.8	4053.8	2517.2	1896.9	1169.4
72.5°	4471.9	4461.7	4712.8	5774.9	7304.7	7327.8	6023.3	3284.2	1555.5	946.1	548.4
75°	3632.3	3650.0	3914.0	5052.8	6260.9	6281.2	4910.3	1936.3	739.1	462.9	350.9
77.5°	1563.7	1662.1	2182.7	3559.7	4484.1	4421.0	2530.8	784.6	394.3	329.8	268.8
80°	451.3	490.0	777.8	1692.6	2686.9	2639.4	1001.7	293.9	274.9	247.7	192.7
82.5°	145.9	161.5	285.0	673.9	1204.0	1202.6	380.1	173.7	179.9	168.3	124.2
85°	40.7	46.8	87.6	204.3	372.6	365.1	109.9	82.1	95.7	97.1	61.8
87.5°	0.0	0.0	0.7	1.4	1.4	1.4	2.7	12.2	27.8	35.3	25.1
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°	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4	1338.4
2.5°	1346.5	1344.5	1372.3	1394.0	1414.4	1428.0	1432.0	1434.7	1440.2	1442.9	1440.2
5°	1356.0	1366.2	1412.3	1446.3	1473.4	1489.7	1490.4	1489.0	1493.1	1489.7	1487.7
7.5°	1376.4	1396.1	1454.4	1490.4	1508.0	1508.7	1492.4	1473.4	1463.9	1455.8	1453.1
10°	1403.5	1432.7	1496.5	1520.3	1514.8	1489.7	1453.7	1423.9	1406.9	1394.7	1392.0
12.5°	1440.8	1473.4	1533.8	1533.2	1499.2	1454.4	1412.3	1376.4	1351.9	1337.7	1332.9
15°	1476.1	1517.5	1561.0	1529.1	1475.5	1421.2	1366.9	1318.7	1286.1	1263.7	1259.6
17.5°	1519.6	1563.7	1580.7	1516.2	1445.6	1375.7	1303.1	1240.0	1195.8	1169.4	1167.3
20°	1569.8	1609.2	1590.2	1493.8	1406.9	1315.3	1216.9	1146.3	1098.8	1073.0	1075.0
22.5°	1628.2	1656.7	1592.9	1463.2	1353.3	1229.8	1119.8	1052.0	1020.1	1006.5	1007.2
25°	1690.6	1708.9	1588.1	1421.8	1271.2	1125.3	1020.1	988.8	986.1	982.7	984.1
27.5°	1764.6	1760.5	1573.9	1363.5	1160.6	1003.8	950.2	958.3	969.2	967.8	969.2
30°	1863.7	1825.0	1555.5	1282.7	1028.9	902.0	908.8	931.8	946.1	947.4	951.5
32.5°	1977.0	1896.2	1526.4	1172.8	903.3	845.0	870.1	897.9	914.9	918.3	923.7
35°	2112.1	1977.7	1474.8	1035.7	813.1	811.0	834.1	853.1	871.4	872.8	872.8
37.5°	2267.5	2059.1	1392.7	884.3	757.4	781.8	803.6	807.6	812.4	808.3	810.4
40°	2410.0	2137.9	1275.9	746.6	711.9	756.1	774.4	760.8	745.9	735.7	737.7
42.5°	2529.5	2191.5	1121.2	650.2	665.8	733.0	747.2	719.4	690.2	671.2	673.9
45°	2663.8	2241.0	939.3	585.0	626.4	716.7	726.2	690.2	652.9	624.4	620.3
47.5°	2849.1	2342.1	777.8	539.6	598.6	707.9	723.5	674.6	625.7	583.0	578.2
50°	3077.8	2485.3	642.7	509.7	585.7	703.1	722.8	657.6	599.3	549.1	545.7
52.5°	3327.6	2625.2	542.9	486.6	572.8	688.9	719.4	638.6	571.5	517.2	513.1
55°	3493.9	2680.1	475.8	464.9	551.8	666.5	705.8	620.3	529.4	479.8	473.7
57.5°	3542.7	2609.5	428.9	445.2	524.6	635.2	680.0	581.6	503.6	464.2	459.5
60°	3458.6	2431.7	399.7	428.9	494.8	595.2	635.2	559.2	483.2	447.9	444.5
62.5°	3221.0	2157.5	377.3	412.0	464.2	553.1	606.7	532.1	460.8	433.0	428.3
65°	2743.2	1769.3	359.0	394.3	435.0	513.1	575.5	504.9	436.4	415.4	409.9
67.5°	1918.6	1242.7	339.3	373.3	405.9	474.4	542.9	479.8	411.3	395.7	390.2
70°	937.9	659.0	315.6	348.8	374.6	435.0	510.4	449.3	378.0	369.2	361.7
72.5°	446.6	368.5	287.8	315.6	331.9	382.8	456.1	405.2	338.7	319.7	306.8
75°	299.3	262.0	251.1	276.2	280.3	321.0	390.9	349.5	298.6	276.9	266.0
77.5°	226.7	200.2	211.1	233.5	225.3	264.0	321.7	311.5	269.4	249.8	244.3
80°	159.5	145.9	167.6	181.2	175.1	224.6	289.8	266.7	221.9	200.2	196.1
82.5°	100.4	97.7	123.5	125.6	127.6	177.8	238.2	209.7	172.4	141.8	131.7
85°	50.2	55.7	74.0	74.0	73.3	91.6	135.7	118.1	93.0	74.0	71.9
87.5°	17.0	23.8	31.9	25.8	19.7	15.6	17.6	21.7	23.1	22.4	22.4
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)