

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: P632292

Luminaire Tested: GWS-SA2C-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9050.2 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

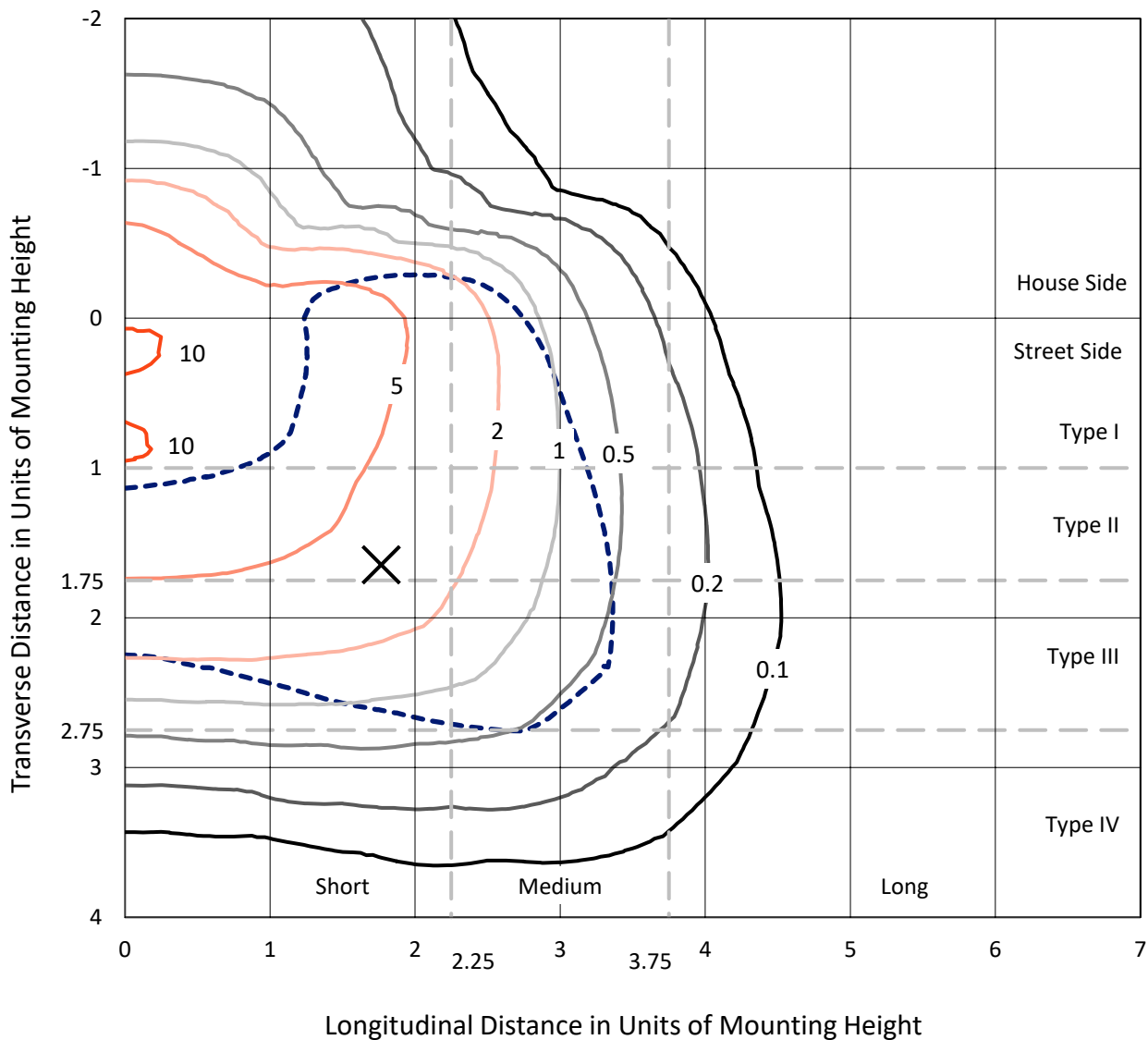
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

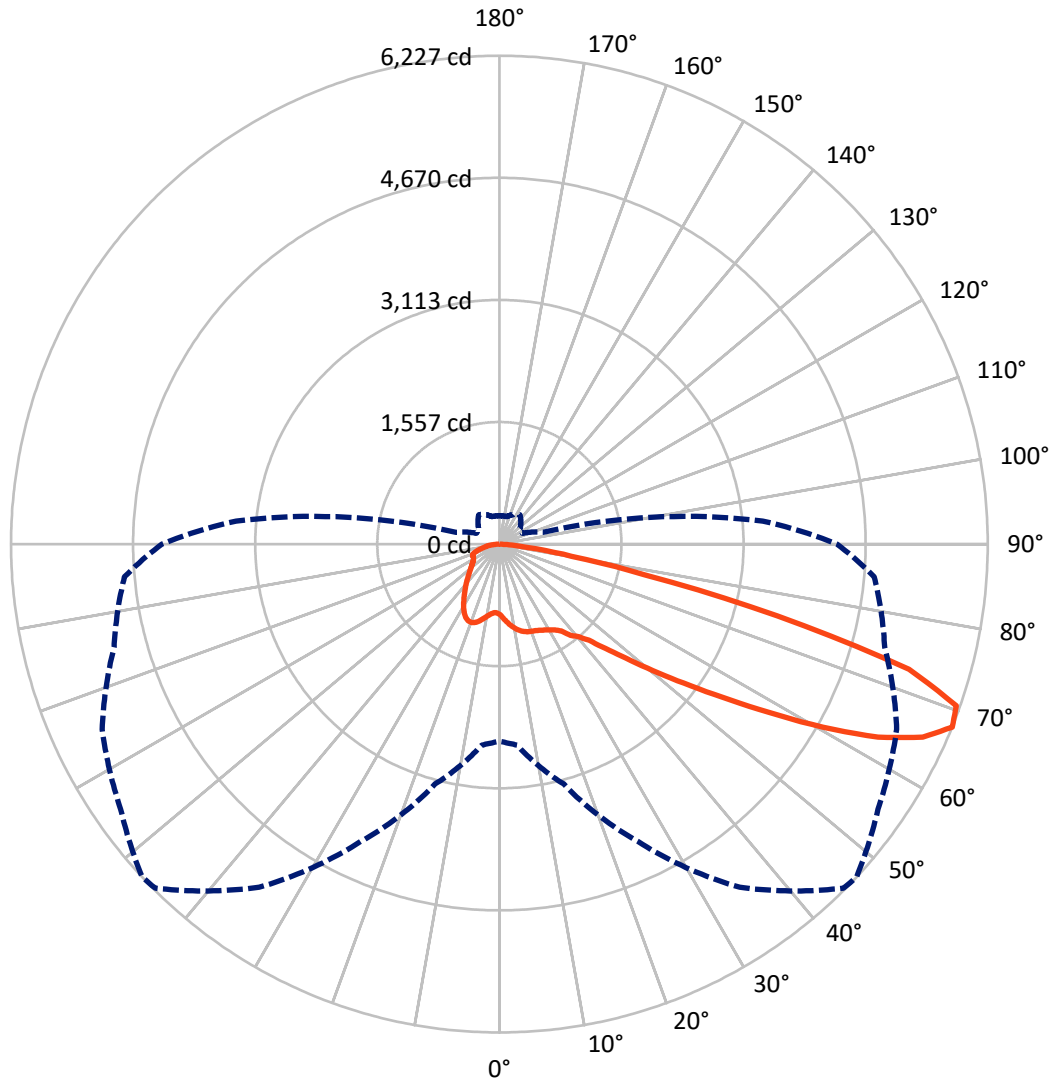
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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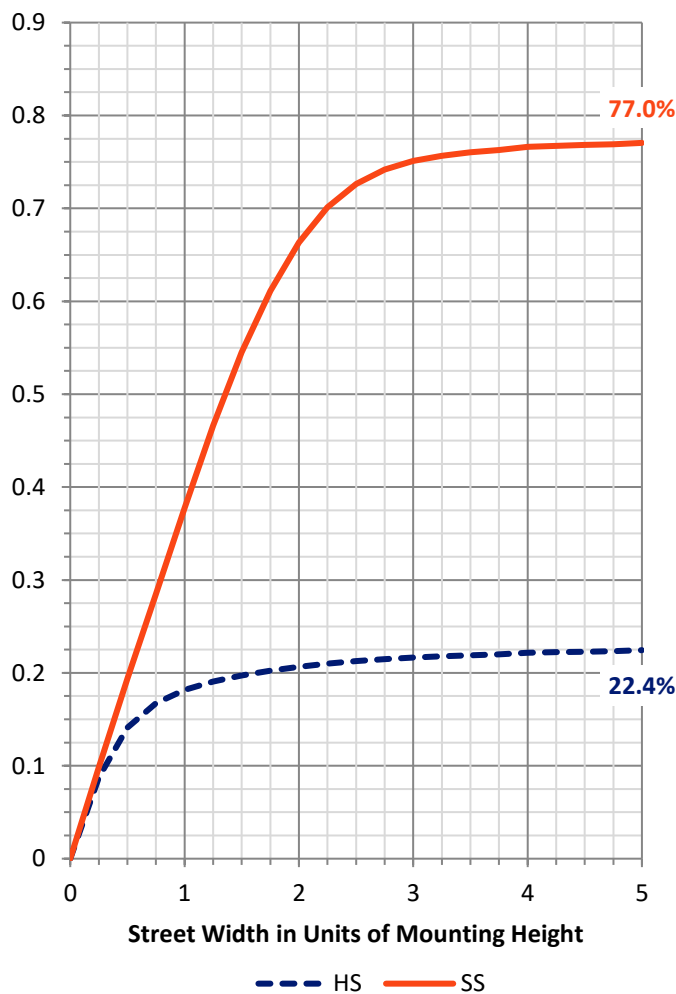
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2062.6	0.0	2062.6
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	6987.6	0.0	6987.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	9050.2	0.0	9050.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.0
10°-20°	305.5	3.4
20°-30°	519.2	5.7
30°-40°	760.6	8.4
40°-50°	1158.9	12.8
50°-60°	2073.5	22.9
60°-70°	2766.9	30.6
70°-80°	1251.3	13.8
80°-90°	122.6	1.4
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°	9050.2	100.0
0°-180°	9050.2	100.0

Coefficient of Utilization



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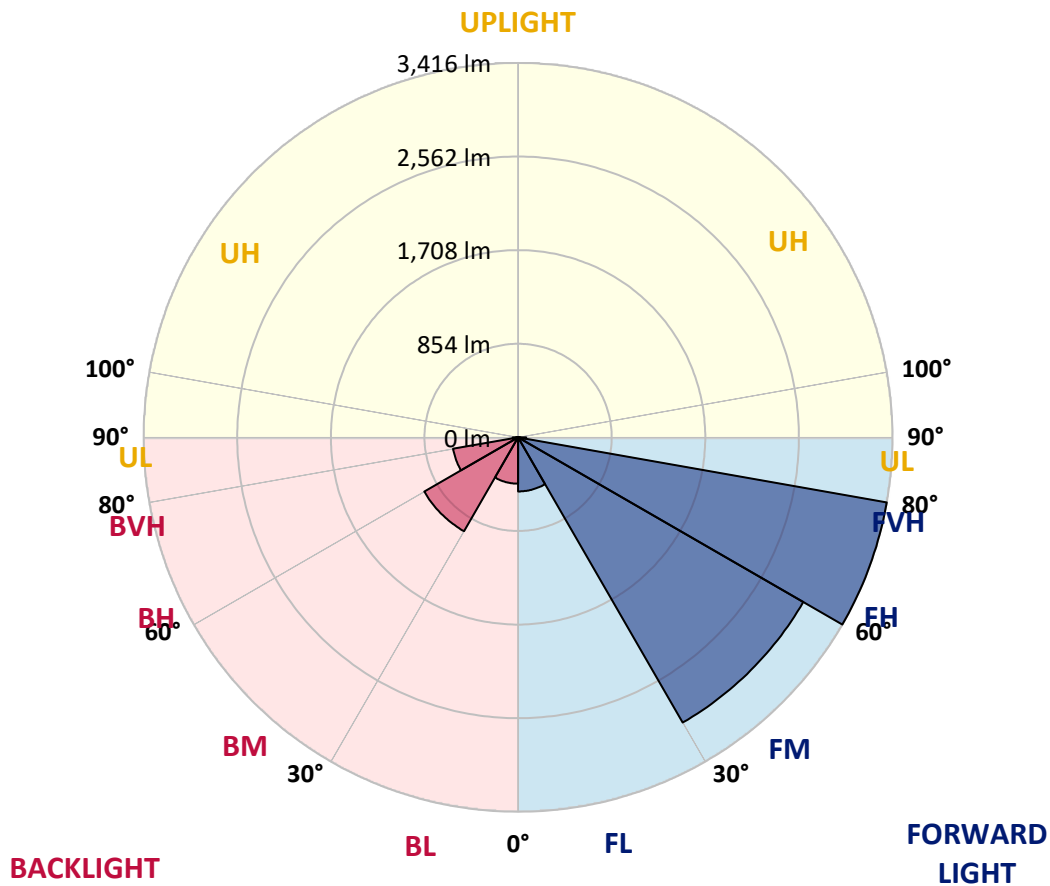
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.6	5.5			
FM (30°-60°)	3004.8	33.2			
FH (60°-80°)	3416.3	37.7			G2/5000
FVH (80°-90°)	72.9	0.8			G1/100
BL (0°-30°)	422.8	4.7	B1/500		
BM (30°-60°)	988.3	10.9	B1/1000		
BH (60°-80°)	601.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	49.7	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°	47°	55°	65°	75°	85°
0°	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2
2.5°	956.7	960.0	959.3	954.1	950.8	944.9	945.6	936.4	922.7	913.5	903.1
5°	1041.1	1046.4	1039.8	1031.3	1018.2	999.2	997.3	976.3	950.2	931.8	912.9
7.5°	1114.4	1117.7	1109.8	1095.4	1076.5	1050.9	1046.4	1021.5	988.8	960.0	932.5
10°	1171.3	1175.3	1164.8	1145.8	1121.0	1095.4	1092.2	1066.6	1032.0	997.9	963.3
12.5°	1219.8	1221.1	1210.0	1184.4	1157.6	1131.4	1128.2	1104.6	1072.5	1037.9	999.9
15°	1247.9	1248.6	1234.8	1206.7	1181.2	1158.3	1156.3	1136.0	1106.6	1073.8	1033.3
17.5°	1245.9	1247.3	1237.4	1212.6	1190.3	1176.6	1174.6	1161.5	1138.6	1109.2	1068.6
20°	1221.7	1223.0	1216.5	1200.1	1188.4	1184.4	1185.1	1181.2	1167.4	1143.2	1102.0
22.5°	1202.8	1204.7	1198.8	1187.1	1185.7	1194.9	1196.9	1198.8	1192.3	1170.7	1130.8
25°	1211.9	1215.2	1206.0	1189.7	1192.3	1212.6	1216.5	1223.0	1217.8	1199.5	1164.8
27.5°	1275.4	1277.4	1253.8	1220.4	1212.6	1234.2	1240.1	1250.5	1246.6	1229.6	1202.8
30°	1422.6	1421.3	1370.9	1289.1	1256.4	1264.9	1269.5	1284.6	1285.9	1274.7	1249.2
32.5°	1630.1	1623.5	1545.7	1415.4	1320.5	1299.6	1304.8	1325.1	1340.2	1328.4	1293.7
35°	1849.3	1843.4	1757.7	1605.2	1439.0	1366.4	1360.5	1376.2	1399.1	1366.4	1316.6
37.5°	2058.0	2048.9	1961.2	1772.7	1584.9	1483.5	1475.0	1459.3	1445.5	1382.7	1344.8
40°	2289.7	2279.2	2202.7	1989.3	1745.9	1573.1	1551.5	1489.4	1476.9	1437.0	1418.1
42.5°	2537.0	2537.0	2473.6	2263.5	1940.3	1701.4	1673.3	1579.7	1592.8	1566.6	1544.3
45°	2784.4	2791.6	2741.2	2539.7	2200.0	1943.5	1898.4	1765.5	1796.9	1785.2	1774.0
47.5°	2995.1	3008.9	2999.0	2821.7	2518.1	2238.0	2169.3	2031.2	2098.6	2126.7	2158.2
50°	3222.2	3237.2	3227.4	3157.4	2890.4	2594.6	2533.1	2390.5	2506.3	2590.7	2693.4
52.5°	3559.2	3580.8	3499.0	3472.2	3342.6	2999.7	2944.7	2782.4	2992.5	3132.5	3361.6
55°	3843.9	3843.2	3814.4	3875.9	3828.1	3495.1	3434.2	3287.0	3555.3	3703.8	4038.9
57.5°	3976.0	3991.7	4090.6	4264.6	4360.2	4100.4	4042.1	3891.6	4159.3	4236.5	4598.4
60°	4044.1	4063.7	4254.8	4599.0	4856.2	4761.3	4738.4	4546.7	4697.2	4688.0	5070.2
62.5°	3948.6	3987.8	4294.7	4752.1	5210.2	5425.5	5418.3	5128.4	5154.6	5064.9	5362.7
65°	3510.1	3552.7	4034.3	4675.6	5412.4	5930.7	5932.7	5655.2	5506.0	5248.2	5313.6
67.5°	2510.2	2571.1	3166.6	4183.5	5341.1	6203.6	6226.5	5894.0	5588.4	5085.9	4797.9
70°	1368.3	1412.8	1879.4	3040.9	4698.5	6138.1	6180.7	5778.9	5224.6	4399.4	3693.3
72.5°	621.7	636.1	874.3	1668.7	3209.8	5283.5	5461.5	5157.2	4290.8	3249.7	2348.6
75°	284.7	291.2	380.9	798.3	1677.2	3535.6	3660.6	3841.2	2986.0	2052.1	1224.4
77.5°	178.6	180.6	216.6	365.1	836.3	1764.9	1896.4	2287.1	1748.5	1015.6	511.7
80°	105.4	107.3	134.8	197.6	392.6	807.5	932.5	904.4	821.9	438.4	233.0
82.5°	53.0	55.0	77.9	112.6	214.0	321.3	378.2	380.2	306.3	237.5	131.5
85°	19.0	19.6	25.5	44.5	91.0	106.0	118.4	144.6	149.9	138.1	63.5
87.5°	0.0	0.0	0.7	1.3	2.6	10.5	11.1	20.9	43.8	49.1	25.5
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°	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2
2.5°	899.8	890.0	886.7	883.4	878.2	876.2	872.3	868.4	868.4	864.4	862.5
5°	904.4	891.3	882.8	878.8	875.6	877.5	877.5	878.8	883.4	880.8	882.1
7.5°	920.7	905.7	893.9	890.6	890.6	898.5	903.7	910.2	918.8	920.1	920.1
10°	949.5	931.8	919.4	917.4	920.7	931.8	939.7	947.5	958.0	958.7	960.0
12.5°	980.9	963.3	950.8	953.4	956.7	971.1	979.6	986.2	996.6	996.6	996.0
15°	1013.6	994.0	983.5	988.8	998.6	1015.0	1016.3	1016.9	1022.1	1020.8	1020.2
17.5°	1047.7	1026.7	1018.9	1026.7	1037.2	1045.1	1038.5	1029.3	1027.4	1024.8	1023.5
20°	1081.0	1059.4	1056.2	1062.1	1065.3	1058.8	1038.5	1021.5	1013.6	1009.7	1008.4
22.5°	1109.8	1091.5	1089.6	1089.6	1073.2	1050.3	1020.2	997.3	986.8	981.6	980.3
25°	1143.9	1126.9	1123.6	1105.9	1064.0	1022.1	981.6	960.6	952.1	949.5	950.2
27.5°	1183.8	1172.0	1161.5	1111.1	1037.9	972.4	926.6	917.4	914.2	917.4	919.4
30°	1232.9	1221.1	1197.5	1104.6	996.0	907.6	863.8	863.1	872.9	881.5	882.8
32.5°	1272.8	1267.5	1228.9	1083.7	937.1	836.3	799.0	801.6	819.3	831.1	833.0
35°	1304.2	1312.7	1255.1	1049.0	867.1	768.9	739.5	740.8	750.6	766.9	767.6
37.5°	1348.7	1377.5	1278.7	996.0	786.6	710.7	683.8	674.0	672.7	677.3	678.6
40°	1438.3	1481.5	1295.7	918.8	708.7	658.3	628.2	609.2	592.9	580.4	576.5
42.5°	1573.8	1623.5	1305.5	825.2	639.3	606.6	572.6	548.4	519.6	493.4	484.2
45°	1822.5	1838.8	1305.5	725.7	577.8	558.2	524.2	495.4	458.7	428.0	421.4
47.5°	2220.3	2168.0	1306.8	629.5	523.5	515.7	486.2	453.5	412.9	387.4	383.5
50°	2819.7	2635.9	1333.6	549.7	478.4	479.7	458.1	422.1	385.4	366.5	363.2
52.5°	3499.0	3212.4	1405.6	490.8	440.4	450.2	438.4	403.8	371.0	354.7	351.4
55°	4137.7	3742.4	1467.1	448.9	408.3	425.3	424.7	392.6	363.2	346.8	344.9
57.5°	4680.8	4105.6	1458.0	414.9	380.9	402.4	412.3	385.4	357.9	344.2	342.2
60°	5018.5	4298.0	1327.7	383.5	359.9	386.1	405.1	383.5	360.6	357.3	357.9
62.5°	5165.1	4262.7	1077.8	359.9	346.2	378.2	412.9	397.2	384.8	392.6	397.2
65°	4937.3	3959.0	793.1	342.2	333.1	380.2	431.2	418.8	384.8	390.0	392.0
67.5°	4305.2	3370.1	573.2	324.6	316.7	386.1	457.4	415.5	362.5	362.5	358.6
70°	3102.4	2423.8	416.2	306.9	300.4	377.6	458.7	393.3	337.0	335.0	325.2
72.5°	1867.0	1429.8	324.6	287.3	275.5	335.0	429.9	367.1	312.1	295.8	284.0
75°	969.8	716.6	272.2	265.7	236.2	284.0	393.3	326.5	267.0	252.6	246.0
77.5°	415.5	335.0	233.6	236.9	196.3	238.9	317.4	282.7	236.9	218.6	212.7
80°	204.8	190.4	184.5	189.8	157.1	184.5	273.5	247.4	200.9	180.0	171.4
82.5°	117.1	111.2	132.8	134.8	111.9	154.4	231.0	209.4	166.2	143.3	129.6
85°	54.3	58.2	80.5	81.1	69.4	106.0	151.2	117.8	88.3	73.3	70.0
87.5°	21.6	25.5	35.3	34.7	20.3	19.6	13.1	7.2	5.9	5.2	4.6
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)