

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: P630107

Luminaire Tested: GWS-SA1D-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3937.4 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

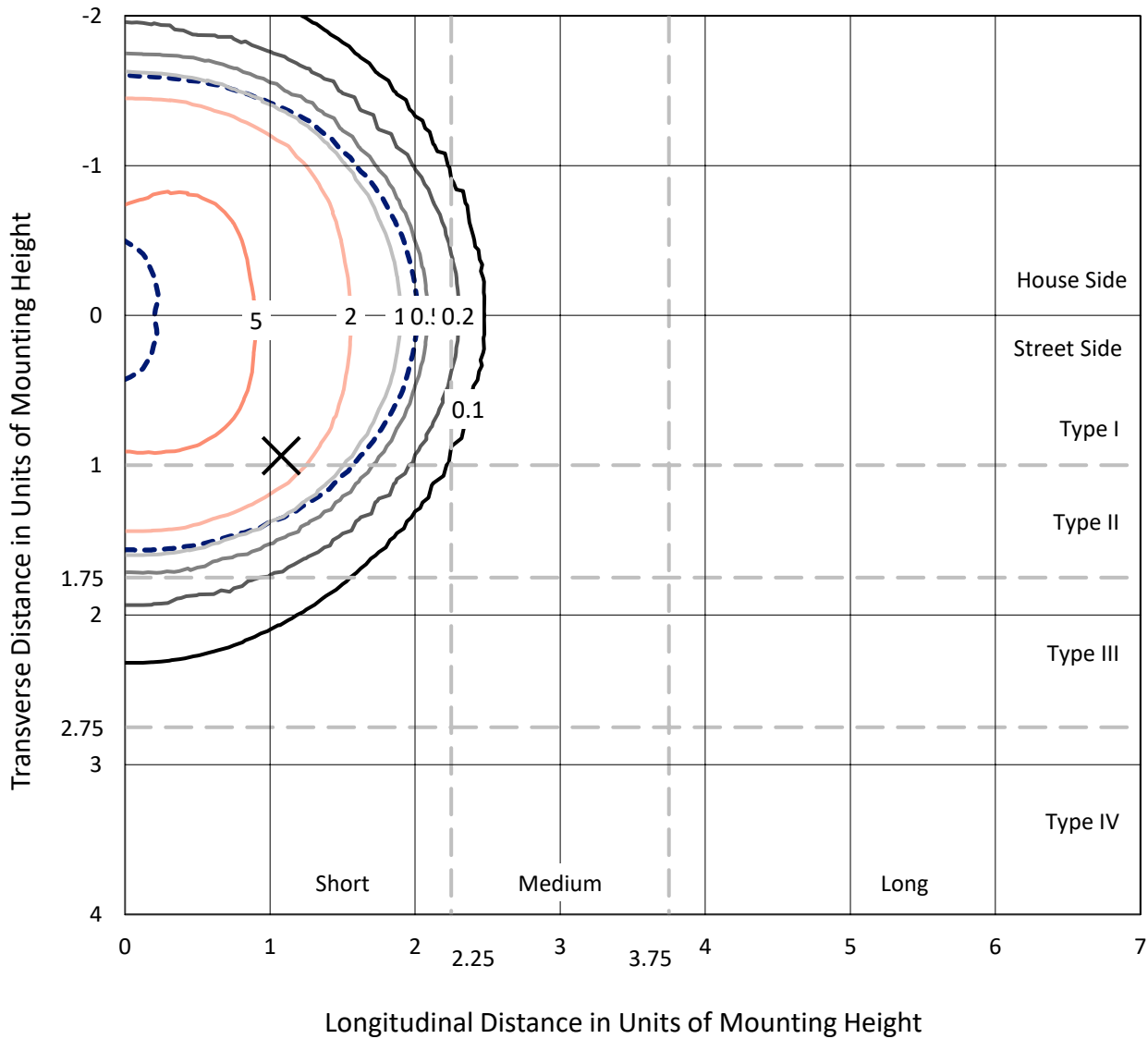
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

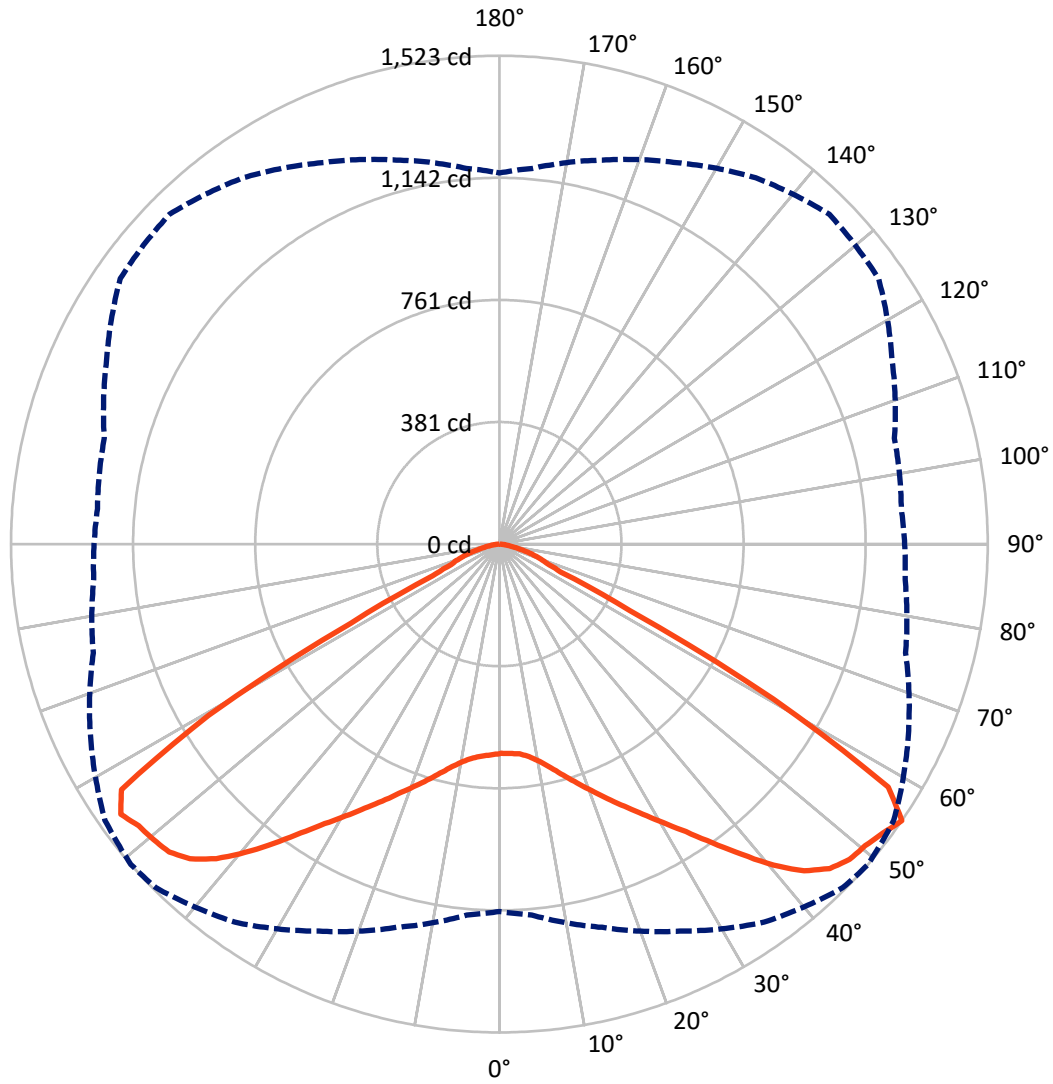
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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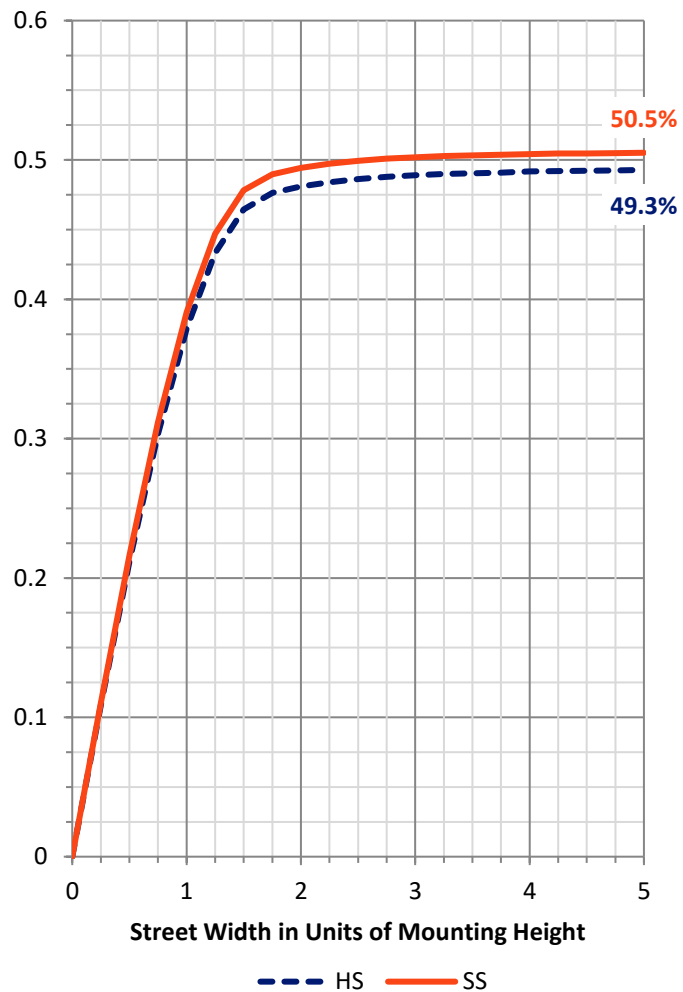
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.4	0.0	1949.4
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1988.0	0.0	1988.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	3937.4	0.0	3937.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.6
10°-20°	209.9	5.3
20°-30°	399.7	10.2
30°-40°	677.6	17.2
40°-50°	1019.8	25.9
50°-60°	1116.3	28.4
60°-70°	353.0	9.0
70°-80°	84.7	2.2
80°-90°	12.7	0.3
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°	3937.4	100.0
0°-180°	3937.4	100.0

Coefficient of Utilization



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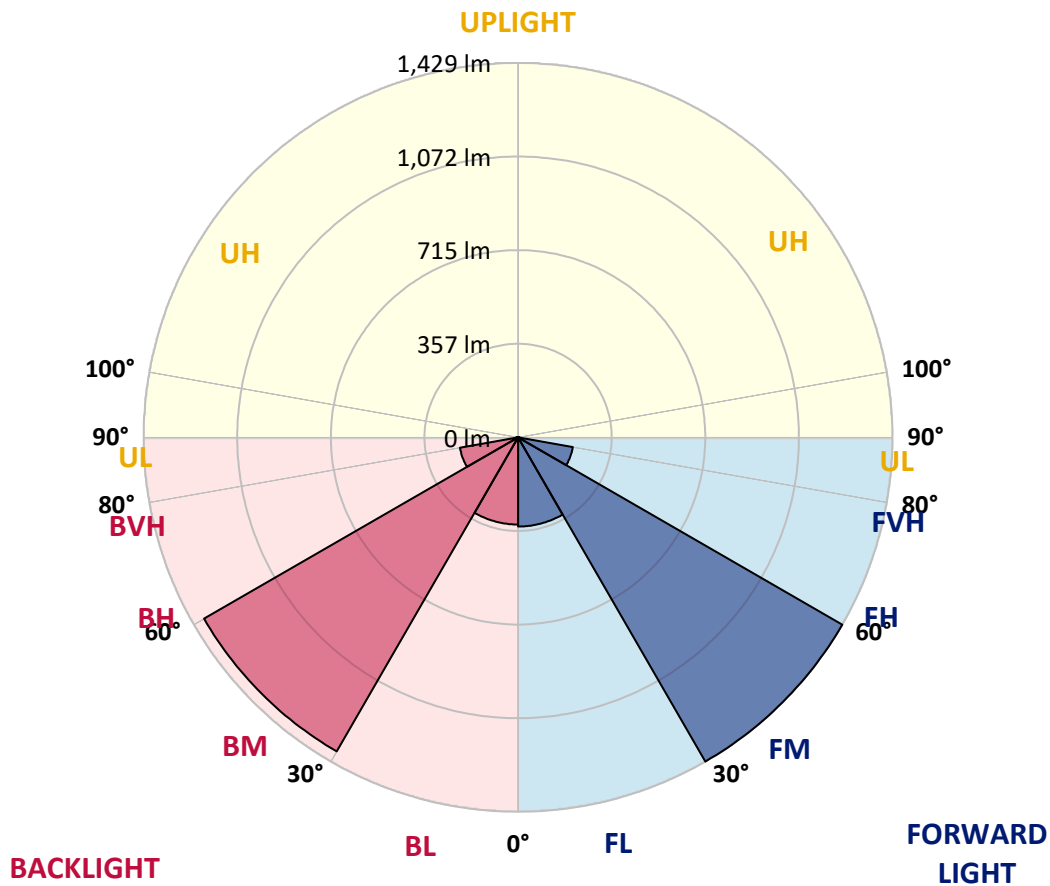
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.4	8.6			
FM (30°-60°)	1429.4	36.3			
FH (60°-80°)	212.3	5.4			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	332.8	8.5	B1/500		
BM (30°-60°)	1384.4	35.2	B2/2500		
BH (60°-80°)	225.4	5.7	B1/500		G0/660
BVH (80°-90°)	6.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3
2.5°	642.6	643.3	644.6	646.8	649.1	652.3	653.5	655.1	654.8	656.7	656.7
5°	639.4	640.4	642.3	645.5	649.4	655.5	657.1	660.9	664.7	669.5	671.1
7.5°	643.3	644.6	646.8	651.9	657.7	665.7	668.9	675.3	682.7	691.3	694.8
10°	650.7	652.3	656.1	664.4	673.7	685.9	688.8	696.8	708.6	720.5	727.5
12.5°	659.0	661.5	668.6	681.7	695.5	711.5	716.0	725.9	738.7	754.1	763.7
15°	668.6	670.8	681.7	700.3	721.7	742.9	748.0	757.6	772.0	787.1	800.5
17.5°	688.8	692.6	705.4	726.9	751.8	776.8	782.6	793.5	805.0	816.8	829.6
20°	716.3	719.5	735.8	762.4	791.9	814.6	820.4	830.0	835.4	841.5	852.4
22.5°	743.8	748.3	766.9	798.3	832.8	857.5	862.0	871.0	867.1	865.2	872.2
25°	778.1	784.2	802.4	836.7	871.9	902.3	905.9	913.5	907.1	897.2	896.9
27.5°	820.7	826.1	845.0	880.2	915.1	946.8	953.6	963.8	949.7	937.6	928.9
30°	871.3	874.8	895.6	933.1	968.9	999.0	1007.7	1017.9	1007.4	987.2	978.5
32.5°	930.2	935.0	959.0	998.4	1030.4	1060.5	1069.2	1082.0	1070.4	1047.7	1036.8
35°	1001.0	1005.8	1031.1	1074.0	1106.6	1137.7	1143.8	1154.3	1139.9	1113.7	1105.0
37.5°	1077.8	1083.9	1115.9	1156.6	1190.8	1227.0	1227.3	1230.5	1210.0	1177.4	1167.8
40°	1164.3	1172.3	1204.3	1246.6	1287.9	1317.3	1317.0	1308.0	1273.4	1222.9	1208.1
42.5°	1249.8	1256.2	1288.5	1332.0	1373.4	1401.2	1392.9	1371.1	1321.2	1252.3	1232.8
45°	1311.6	1316.4	1350.3	1399.3	1441.2	1458.5	1443.5	1417.2	1349.7	1270.9	1242.1
47.5°	1340.7	1347.1	1381.4	1430.0	1477.4	1487.3	1469.4	1444.8	1366.3	1288.2	1249.4
50°	1325.0	1333.3	1372.1	1417.2	1470.7	1491.2	1478.4	1453.7	1383.9	1305.1	1262.6
52.5°	1284.3	1292.3	1341.3	1396.1	1456.6	1497.3	1497.0	1476.8	1404.1	1310.0	1263.2
55°	1145.4	1161.1	1237.3	1331.7	1439.3	1515.2	1522.9	1501.4	1407.3	1311.2	1269.9
57.5°	745.4	773.0	845.3	968.3	1184.1	1378.2	1430.0	1435.2	1384.2	1305.8	1271.2
60°	311.2	333.3	390.6	472.3	650.7	881.5	982.1	1082.9	1204.6	1248.8	1259.4
62.5°	193.4	195.3	201.1	219.7	279.2	391.9	456.6	551.1	732.0	886.0	957.1
65°	174.5	175.5	176.8	175.5	178.4	192.1	209.4	242.4	316.0	392.6	483.5
67.5°	153.7	155.0	155.9	155.0	155.9	156.6	158.5	161.4	174.8	185.7	194.0
70°	124.2	126.2	127.8	127.1	131.0	131.0	132.9	135.1	141.9	149.9	155.6
72.5°	94.8	93.2	95.1	95.7	99.3	101.2	104.1	106.6	114.3	119.1	126.5
75°	61.5	59.9	62.8	64.4	69.2	71.7	74.3	76.8	82.3	85.5	92.5
77.5°	33.3	33.0	35.9	38.1	43.2	46.4	48.4	50.3	54.8	55.7	60.2
80°	19.2	19.2	21.1	22.7	25.9	29.5	31.4	33.0	36.2	37.1	39.1
82.5°	10.6	10.6	11.5	12.5	15.0	17.0	18.6	19.9	22.7	23.7	24.7
85°	5.1	4.8	5.4	6.1	7.0	8.0	9.0	9.6	11.8	12.5	13.8
87.5°	0.6	0.6	0.6	1.0	1.3	1.9	2.2	2.2	3.5	4.2	4.8
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°	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3	652.3
2.5°	658.7	654.5	657.1	658.0	658.0	657.1	652.9	651.6	649.7	646.8	646.8
5°	673.4	670.2	670.8	669.2	665.4	660.6	652.9	649.1	645.9	642.3	642.0
7.5°	698.7	694.5	693.9	687.8	677.6	667.3	655.8	648.7	643.9	639.4	639.1
10°	731.7	727.8	723.0	710.9	695.8	680.8	665.1	655.5	648.4	642.0	641.7
12.5°	768.5	764.0	755.0	737.1	718.2	703.5	685.6	670.8	660.3	651.6	650.0
15°	808.5	802.1	786.7	765.6	747.0	731.3	712.1	691.0	675.0	661.2	659.6
17.5°	839.3	830.9	814.3	794.4	779.1	763.4	738.4	711.8	688.8	671.5	668.9
20°	860.4	853.7	834.8	820.0	811.1	797.3	768.2	738.1	712.1	690.4	689.1
22.5°	879.9	871.9	853.3	844.7	844.7	835.4	807.6	772.0	741.6	716.3	713.1
25°	902.0	893.4	879.3	878.3	882.8	878.6	845.0	806.9	771.4	742.9	737.7
27.5°	932.8	923.1	914.8	920.6	927.0	922.5	885.0	840.9	803.4	774.6	770.1
30°	981.7	969.9	962.2	969.3	981.7	968.6	927.9	881.2	843.4	811.7	809.5
32.5°	1038.7	1025.3	1017.3	1028.5	1039.7	1019.2	978.9	934.0	894.3	861.0	857.2
35°	1107.3	1090.3	1078.4	1093.5	1105.0	1084.8	1044.8	1002.2	958.0	923.5	918.3
37.5°	1168.1	1147.6	1139.6	1160.7	1176.1	1163.0	1119.4	1079.4	1031.1	993.3	991.0
40°	1212.3	1192.1	1186.4	1221.3	1248.2	1245.0	1205.9	1160.1	1114.6	1071.1	1066.9
42.5°	1231.5	1217.4	1218.7	1265.8	1307.4	1327.9	1293.0	1244.0	1200.1	1155.0	1152.1
45°	1235.7	1227.0	1237.3	1296.2	1350.9	1392.9	1363.1	1322.1	1272.5	1228.9	1227.7
47.5°	1240.1	1235.3	1251.0	1313.5	1378.5	1427.1	1410.5	1368.2	1318.0	1275.4	1272.2
50°	1250.7	1248.8	1266.4	1325.6	1391.6	1436.4	1417.5	1375.6	1324.0	1282.1	1274.4
52.5°	1253.9	1250.7	1276.0	1344.5	1413.4	1436.1	1395.4	1340.7	1288.8	1242.1	1234.1
55°	1263.8	1258.1	1275.4	1351.6	1443.5	1454.7	1394.2	1312.2	1239.8	1176.1	1157.2
57.5°	1266.4	1260.0	1271.2	1340.1	1410.8	1400.9	1225.4	1058.9	922.5	851.7	859.7
60°	1252.6	1254.6	1235.3	1227.7	1131.6	999.0	750.2	599.7	471.0	416.6	428.4
62.5°	953.6	961.6	895.9	779.1	599.1	474.9	314.1	244.0	206.5	196.9	198.5
65°	481.3	492.2	423.9	350.6	260.6	210.7	182.2	176.4	174.5	172.3	172.3
67.5°	190.5	193.7	191.2	179.0	166.5	162.0	160.7	160.1	157.9	156.6	156.9
70°	153.1	155.6	151.8	144.1	139.0	138.6	138.0	136.7	135.1	135.1	136.1
72.5°	124.9	127.4	122.0	117.2	113.4	110.5	108.9	107.9	105.7	105.7	106.6
75°	91.9	93.5	89.0	88.4	84.2	81.3	78.8	77.5	74.6	73.3	74.3
77.5°	61.2	60.8	58.6	58.6	57.0	53.5	50.6	47.7	43.9	41.3	41.9
80°	39.7	39.7	38.7	38.7	37.1	34.3	30.7	27.9	25.6	23.7	23.7
82.5°	25.3	25.0	24.7	24.3	23.7	20.8	18.3	16.3	14.7	13.4	13.8
85°	14.1	14.1	13.4	13.4	12.2	10.6	9.3	8.0	7.0	6.7	6.7
87.5°	4.8	4.8	4.5	4.5	3.8	2.9	2.2	1.9	1.6	1.3	1.6
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)