

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: P632032

Luminaire Tested: GWS-SA2B-830-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632032
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-SA2B-830-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4832.8 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 46.4
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

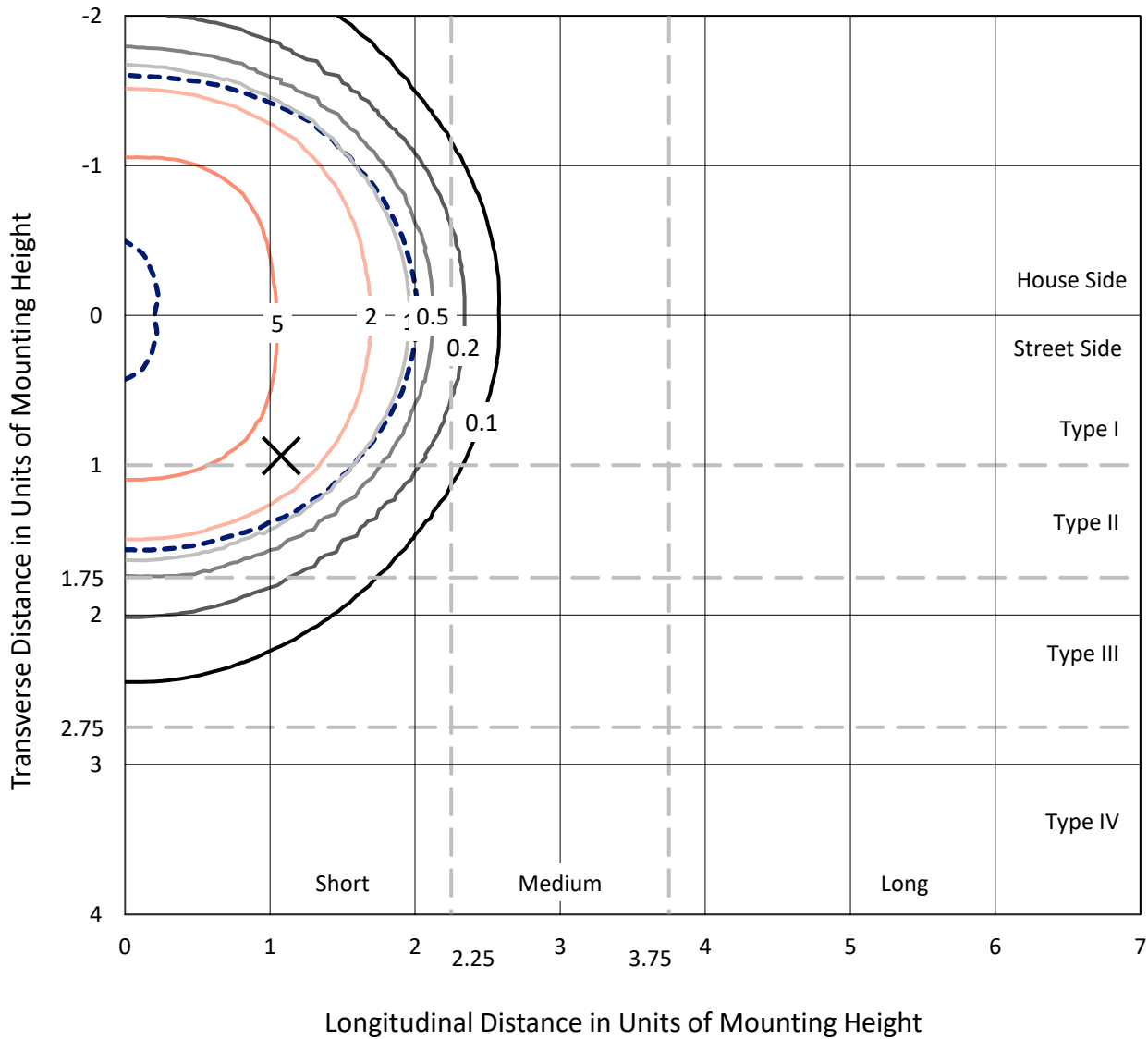


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Iso-Footcandle Lines of Horizontal Illumination

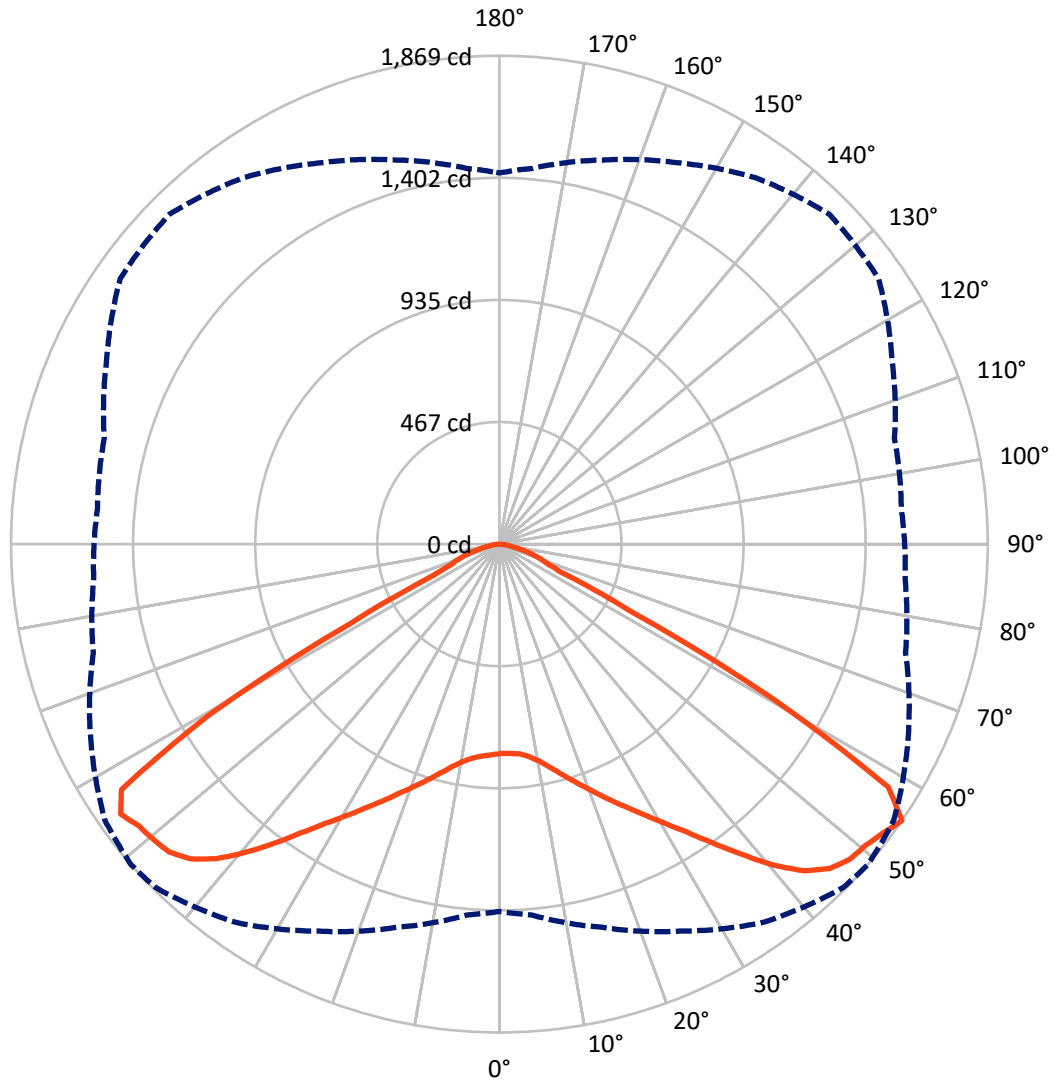
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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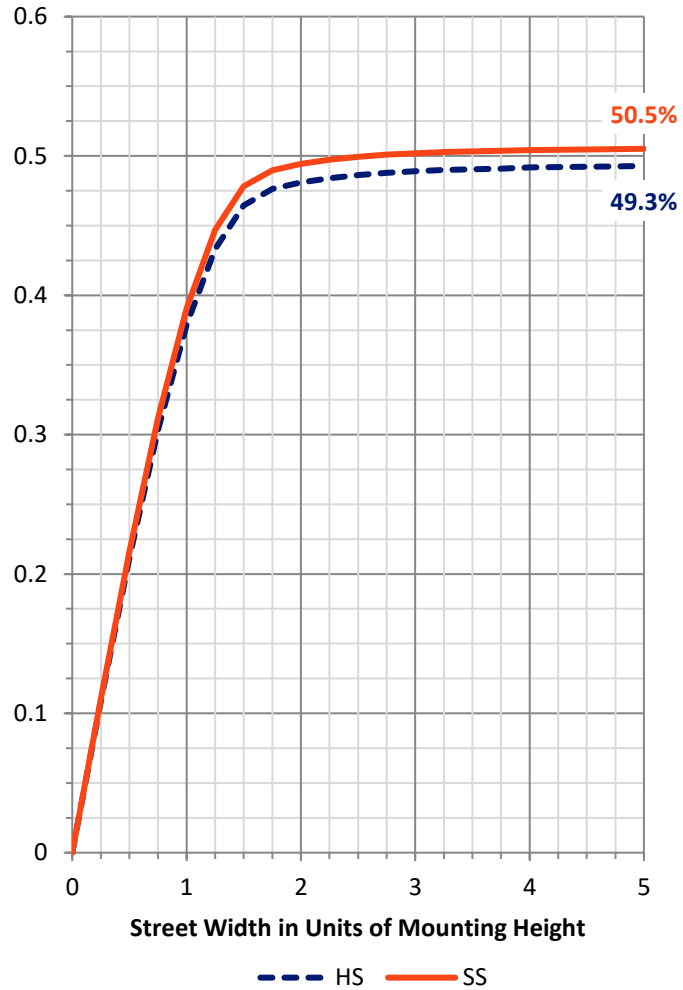
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2392.7	0.0	2392.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2440.1	0.0	2440.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	4832.8	0.0	4832.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.6
10°-20°	257.6	5.3
20°-30°	490.7	10.2
30°-40°	831.8	17.2
40°-50°	1251.7	25.9
50°-60°	1370.1	28.4
60°-70°	433.2	9.0
70°-80°	104.0	2.2
80°-90°	15.6	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°	4832.8	100.0
0°-180°	4832.8	100.0

Coefficient of Utilization



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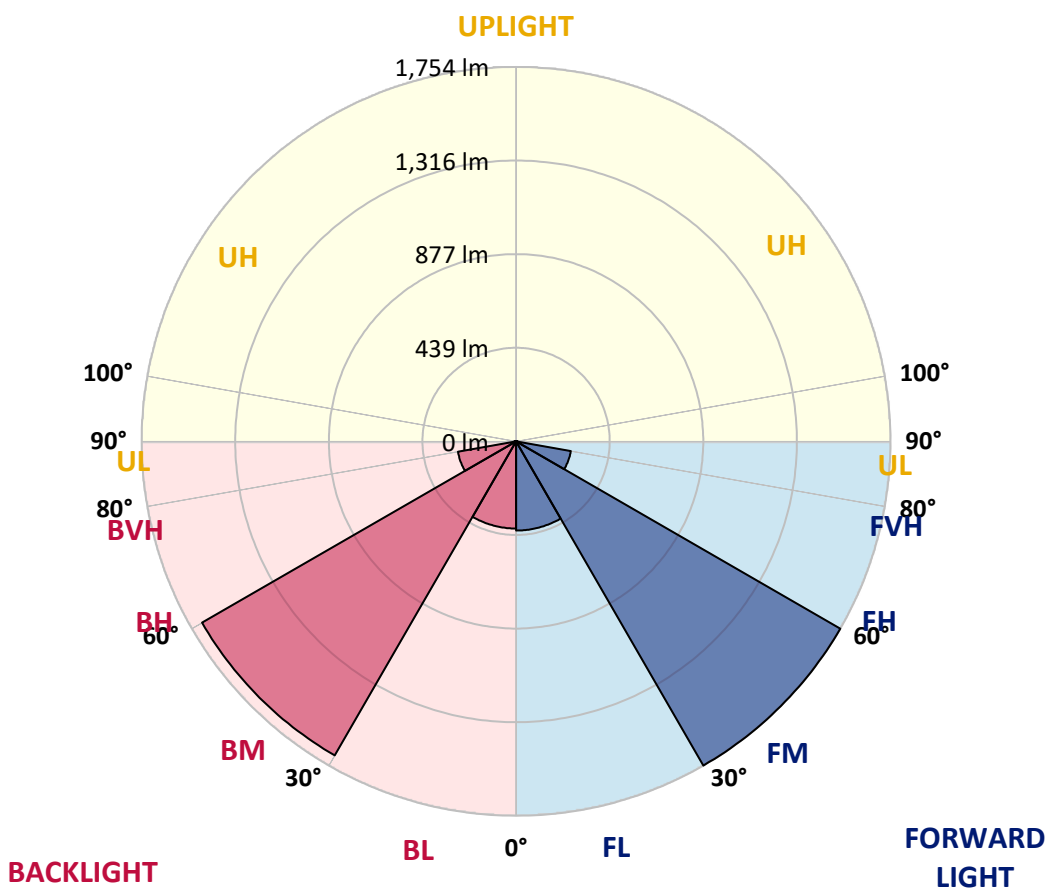
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.8	8.6			
FM (30°-60°)	1754.4	36.3			
FH (60°-80°)	260.6	5.4			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	408.5	8.5	B1/500		
BM (30°-60°)	1699.2	35.2	B2/2500		
BH (60°-80°)	276.6	5.7	B1/500		G0/660
BVH (80°-90°)	8.4	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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	788.8	789.6	791.2	793.9	796.7	800.6	802.2	804.1	803.7	806.1	806.1
5°	784.9	786.0	788.4	792.3	797.0	804.5	806.5	811.2	815.9	821.8	823.8
7.5°	789.6	791.2	793.9	800.2	807.3	817.1	821.0	828.9	837.9	848.5	852.9
10°	798.6	800.6	805.3	815.5	826.9	841.8	845.4	855.2	869.8	884.3	892.9
12.5°	808.8	812.0	820.6	836.7	853.6	873.3	878.8	891.0	906.7	925.6	937.4
15°	820.6	823.4	836.7	859.5	885.9	911.8	918.1	929.9	947.6	966.0	982.6
17.5°	845.4	850.1	865.8	892.2	922.8	953.5	960.5	973.9	988.1	1002.6	1018.3
20°	879.2	883.1	903.2	935.8	971.9	999.8	1006.9	1018.7	1025.4	1032.9	1046.2
22.5°	913.0	918.5	941.3	979.8	1022.2	1052.5	1058.0	1069.0	1064.3	1061.9	1070.6
25°	955.0	962.5	984.9	1027.0	1070.2	1107.5	1111.9	1121.3	1113.4	1101.2	1100.9
27.5°	1007.3	1014.0	1037.2	1080.4	1123.3	1162.2	1170.4	1183.0	1165.7	1150.8	1140.2
30°	1069.4	1073.7	1099.3	1145.3	1189.3	1226.2	1236.8	1249.4	1236.4	1211.7	1201.1
32.5°	1141.7	1147.6	1177.1	1225.4	1264.7	1301.7	1312.3	1328.0	1313.9	1286.0	1272.6
35°	1228.6	1234.5	1265.5	1318.2	1358.3	1396.4	1403.9	1416.8	1399.2	1366.9	1356.3
37.5°	1322.9	1330.4	1369.7	1419.6	1461.6	1506.1	1506.4	1510.4	1485.2	1445.1	1433.3
40°	1429.0	1438.8	1478.1	1530.0	1580.7	1616.9	1616.5	1605.5	1563.0	1500.9	1482.9
42.5°	1534.0	1541.8	1581.5	1635.0	1685.7	1719.9	1709.6	1682.9	1621.6	1537.1	1513.1
45°	1609.8	1615.7	1657.4	1717.5	1769.0	1790.2	1771.7	1739.5	1656.6	1559.9	1524.5
47.5°	1645.6	1653.4	1695.5	1755.2	1813.4	1825.6	1803.6	1773.3	1677.0	1581.1	1533.6
50°	1626.3	1636.5	1684.1	1739.5	1805.1	1830.3	1814.6	1784.3	1698.6	1602.0	1549.7
52.5°	1576.4	1586.2	1646.4	1713.6	1787.8	1837.8	1837.4	1812.6	1723.4	1607.8	1550.5
55°	1405.8	1425.1	1518.6	1634.6	1766.6	1859.8	1869.2	1842.9	1727.3	1609.4	1558.7
57.5°	915.0	948.8	1037.6	1188.5	1453.4	1691.6	1755.2	1761.5	1699.0	1602.7	1560.3
60°	382.0	409.1	479.5	579.7	798.6	1082.0	1205.4	1329.2	1478.5	1532.8	1545.7
62.5°	237.4	239.7	246.8	269.6	342.7	481.1	560.4	676.4	898.4	1087.5	1174.7
65°	214.2	215.4	216.9	215.4	218.9	235.8	257.0	297.5	387.9	481.8	593.5
67.5°	188.6	190.2	191.4	190.2	191.4	192.2	194.5	198.1	214.6	228.0	238.2
70°	152.5	154.9	156.8	156.0	160.7	160.7	163.1	165.9	174.1	183.9	191.0
72.5°	116.3	114.4	116.7	117.5	121.8	124.2	127.7	130.9	140.3	146.2	155.2
75°	75.5	73.5	77.0	79.0	84.9	88.0	91.2	94.3	101.0	104.9	113.6
77.5°	40.9	40.5	44.0	46.8	53.1	57.0	59.3	61.7	67.2	68.4	73.9
80°	23.6	23.6	25.9	27.9	31.8	36.2	38.5	40.5	44.4	45.6	47.9
82.5°	13.0	13.0	14.1	15.3	18.5	20.8	22.8	24.4	27.9	29.1	30.3
85°	6.3	5.9	6.7	7.5	8.6	9.8	11.0	11.8	14.5	15.3	16.9
87.5°	0.8	0.8	0.8	1.2	1.6	2.4	2.8	2.8	4.3	5.1	5.9
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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	808.4	803.3	806.5	807.7	807.7	806.5	801.4	799.8	797.4	793.9	793.9
5°	826.5	822.6	823.4	821.4	816.7	810.8	801.4	796.7	792.7	788.4	788.0
7.5°	857.6	852.5	851.7	844.2	831.6	819.1	804.9	796.3	790.4	784.9	784.5
10°	898.1	893.3	887.4	872.5	854.0	835.6	816.3	804.5	795.9	788.0	787.6
12.5°	943.2	937.7	926.7	904.7	881.5	863.5	841.5	823.4	810.4	799.8	797.8
15°	992.4	984.5	965.7	939.7	916.9	897.7	874.1	848.1	828.5	811.6	809.6
17.5°	1030.1	1019.9	999.5	975.1	956.2	937.0	906.3	873.7	845.4	824.2	821.0
20°	1056.0	1047.8	1024.6	1006.5	995.5	978.6	942.9	905.9	874.1	847.4	845.8
22.5°	1080.0	1070.2	1047.4	1036.8	1036.8	1025.4	991.2	947.6	910.2	879.2	875.3
25°	1107.1	1096.5	1079.2	1078.1	1083.6	1078.4	1037.2	990.4	946.8	911.8	905.5
27.5°	1144.9	1133.1	1122.9	1129.9	1137.8	1132.3	1086.3	1032.1	986.1	950.7	945.2
30°	1205.0	1190.5	1181.0	1189.7	1205.0	1188.9	1139.0	1081.6	1035.2	996.3	993.6
32.5°	1275.0	1258.5	1248.6	1262.4	1276.1	1251.0	1201.5	1146.4	1097.7	1056.8	1052.1
35°	1359.1	1338.2	1323.7	1342.2	1356.3	1331.6	1282.4	1230.2	1175.9	1133.5	1127.2
37.5°	1433.7	1408.6	1398.8	1424.7	1443.6	1427.5	1374.0	1324.9	1265.5	1219.1	1216.4
40°	1488.0	1463.2	1456.1	1499.0	1532.0	1528.1	1480.1	1423.9	1368.1	1314.7	1309.5
42.5°	1511.6	1494.3	1495.8	1553.6	1604.7	1629.9	1587.0	1526.9	1473.0	1417.6	1414.1
45°	1516.7	1506.1	1518.6	1590.9	1658.2	1709.6	1673.1	1622.8	1561.9	1508.4	1506.8
47.5°	1522.2	1516.3	1535.5	1612.2	1692.0	1751.7	1731.3	1679.4	1617.7	1565.4	1561.5
50°	1535.1	1532.8	1554.4	1627.1	1708.1	1763.1	1739.9	1688.4	1625.1	1573.7	1564.2
52.5°	1539.1	1535.1	1566.2	1650.3	1734.8	1762.7	1712.8	1645.6	1581.9	1524.5	1514.7
55°	1551.3	1544.2	1565.4	1658.9	1771.7	1785.5	1711.2	1610.6	1521.8	1443.6	1420.4
57.5°	1554.4	1546.5	1560.3	1644.8	1731.6	1719.5	1504.1	1299.7	1132.3	1045.4	1055.3
60°	1537.5	1539.9	1516.3	1506.8	1388.9	1226.2	920.8	736.1	578.1	511.3	525.9
62.5°	1170.4	1180.2	1099.7	956.2	735.3	582.8	385.6	299.5	253.5	241.7	243.7
65°	590.7	604.1	520.4	430.4	319.9	258.6	223.6	216.6	214.2	211.4	211.4
67.5°	233.8	237.8	234.6	219.7	204.4	198.9	197.3	196.5	193.8	192.2	192.6
70°	187.9	191.0	186.3	176.9	170.6	170.2	169.4	167.8	165.9	165.9	167.0
72.5°	153.3	156.4	149.7	143.8	139.1	135.6	133.6	132.4	129.7	129.7	130.9
75°	112.8	114.8	109.3	108.5	103.4	99.8	96.7	95.1	91.6	90.0	91.2
77.5°	75.1	74.7	71.9	71.9	70.0	65.6	62.1	58.6	53.8	50.7	51.5
80°	48.7	48.7	47.6	47.6	45.6	42.1	37.7	34.2	31.4	29.1	29.1
82.5°	31.0	30.7	30.3	29.9	29.1	25.5	22.4	20.0	18.1	16.5	16.9
85°	17.3	17.3	16.5	16.5	14.9	13.0	11.4	9.8	8.6	8.3	8.3
87.5°	5.9	5.9	5.5	5.5	4.7	3.5	2.8	2.4	2.0	1.6	2.0
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)