

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: P630217

Luminaire Tested: GWS-SA1D-730-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630217  
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-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

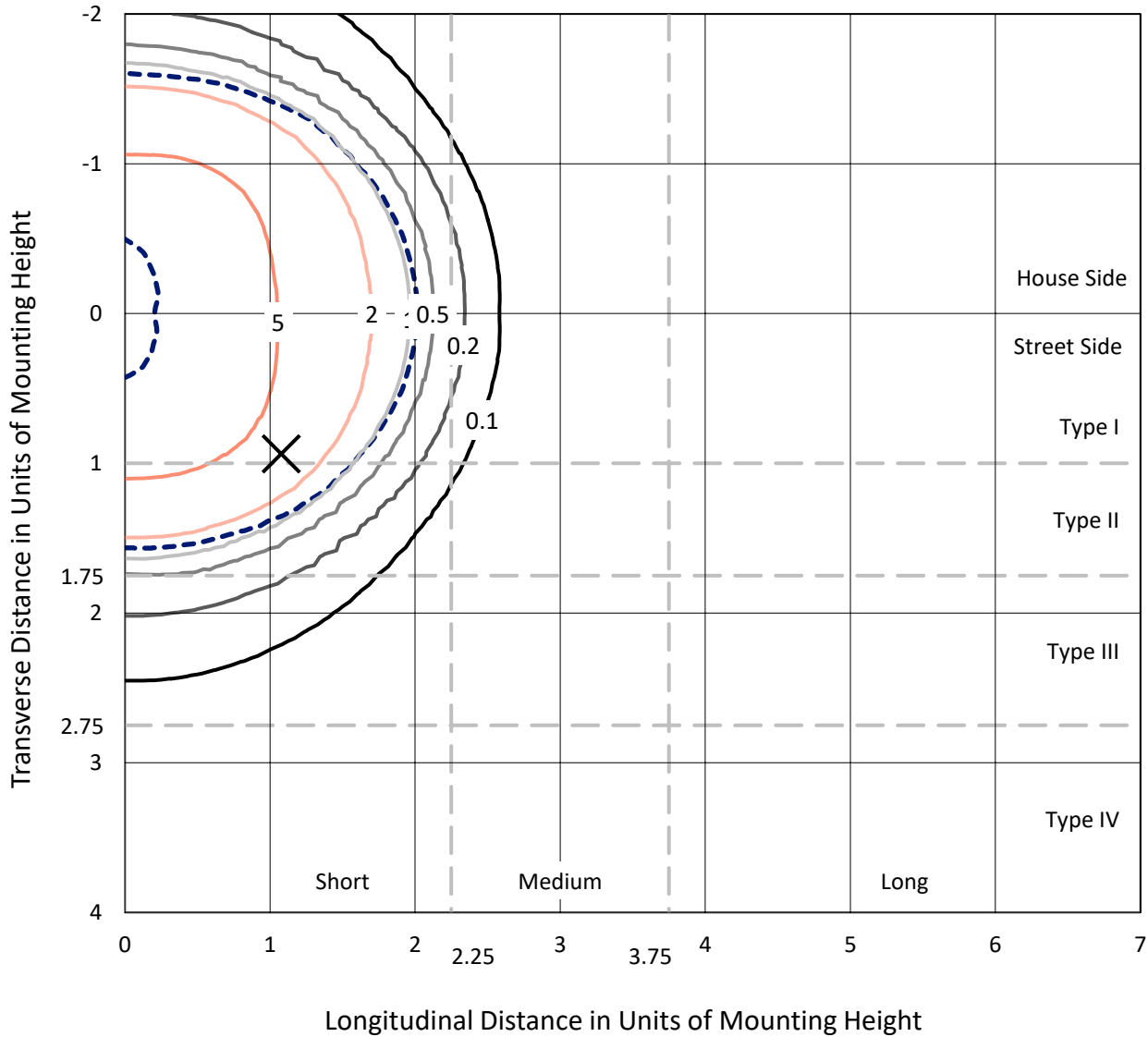
Lumens per Lamp: N/A  
Luminaire Lumens: 4867.6 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P630217  
 CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

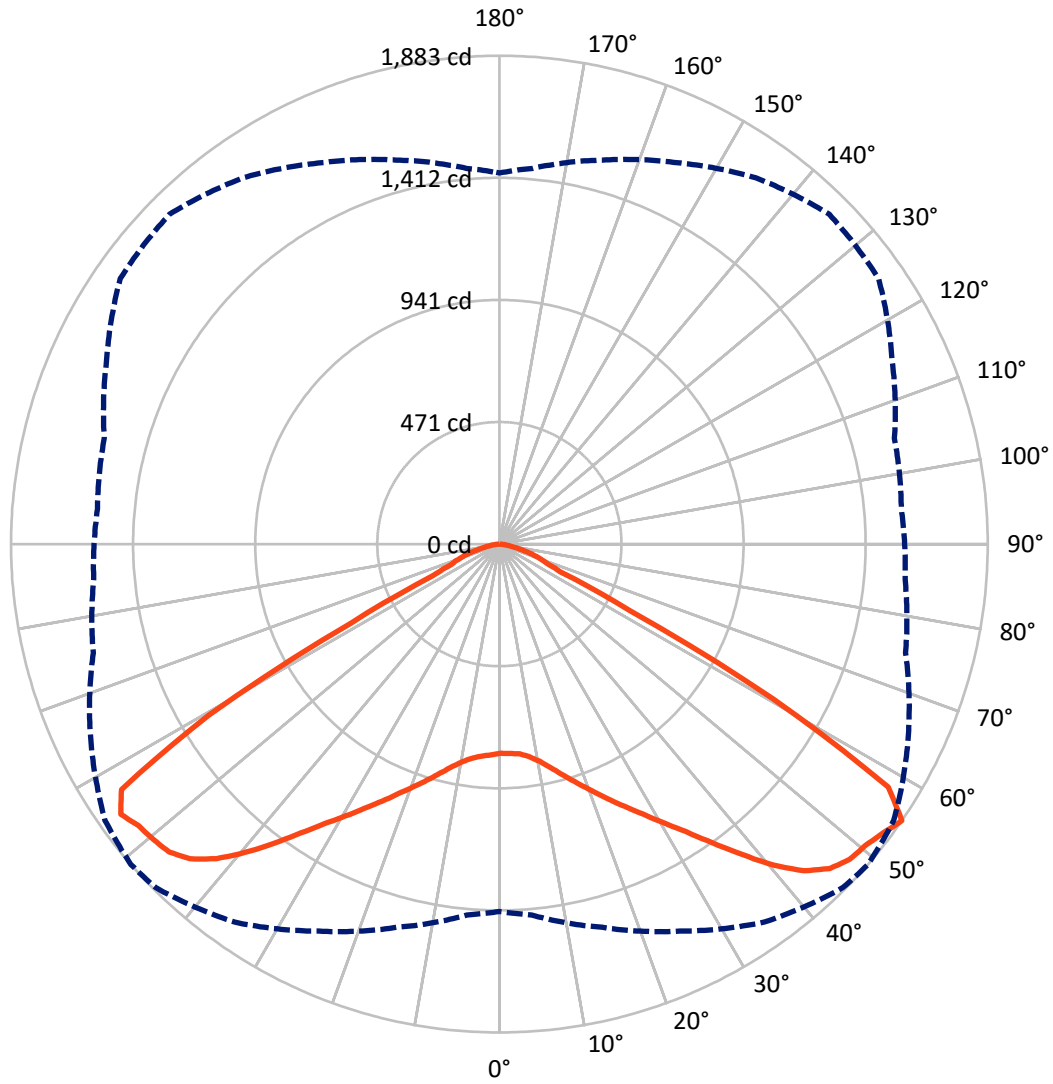
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type V - Short - N/A

REPORT NUMBER: P630217  
CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630217

CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

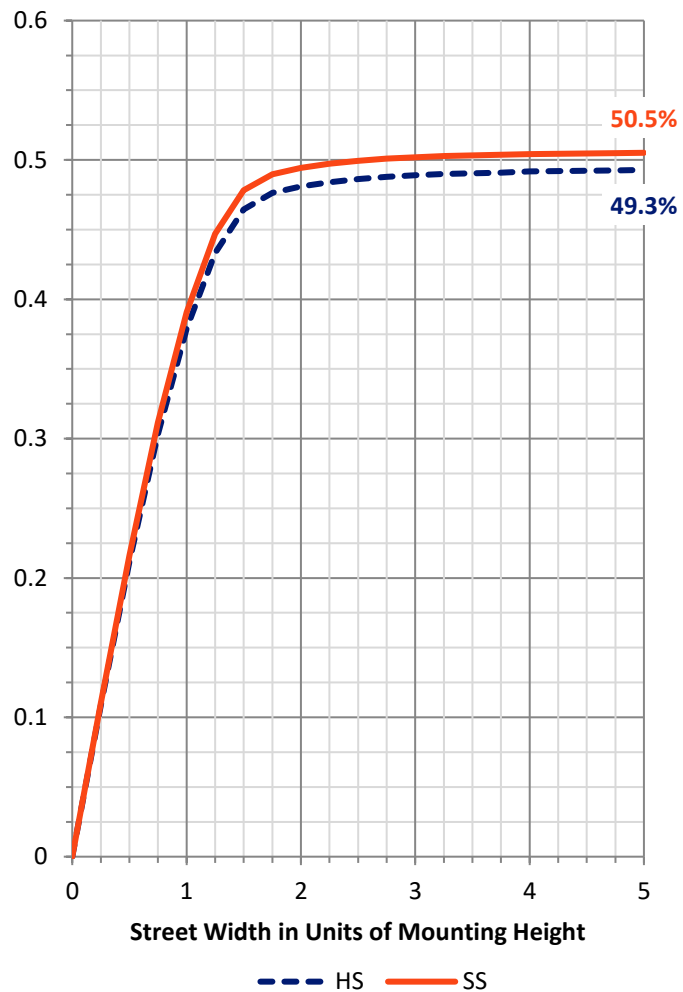
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2409.9	0.0	2409.9
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	2457.7	0.0	2457.7
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	4867.6	0.0	4867.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.7	1.6
10°-20°	259.5	5.3
20°-30°	494.2	10.2
30°-40°	837.7	17.2
40°-50°	1260.7	25.9
50°-60°	1380.0	28.4
60°-70°	436.4	9.0
70°-80°	104.7	2.2
80°-90°	15.7	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°	4867.6	100.0
0°-180°	4867.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630217

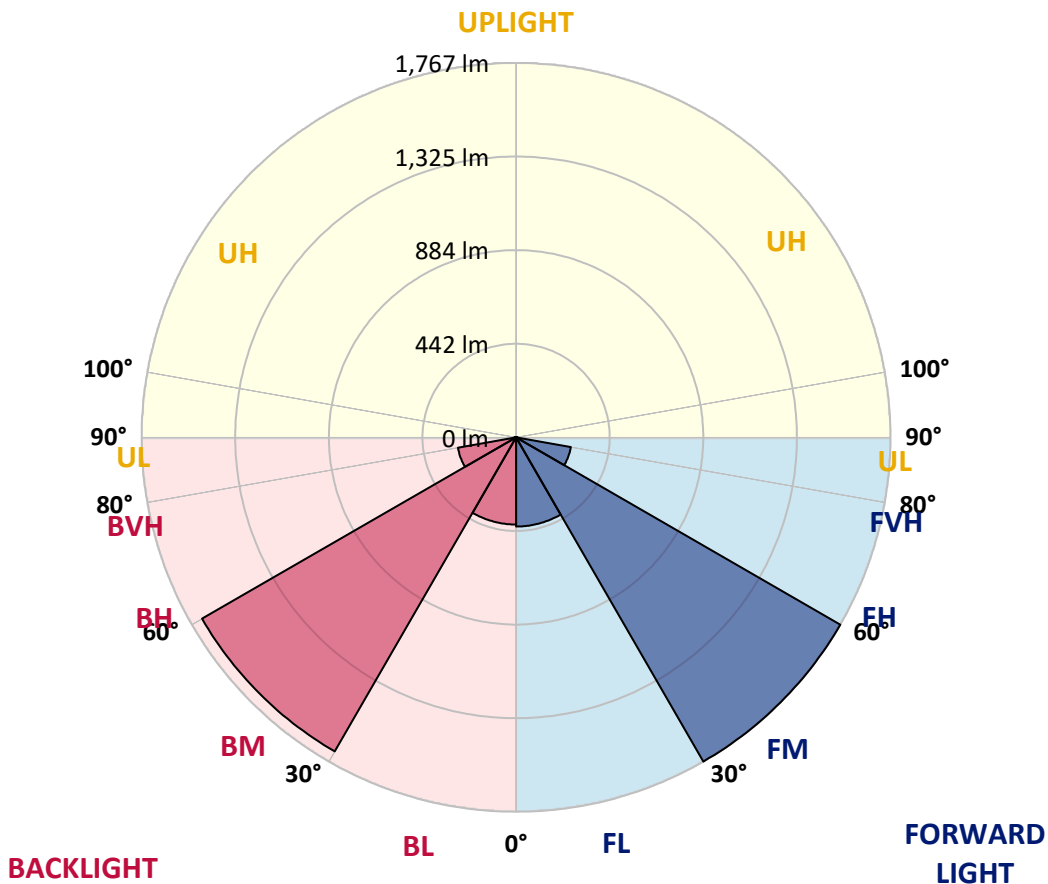
CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.8	8.6			
FM (30°-60°)	1767.1	36.3			
FH (60°-80°)	262.5	5.4			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	411.4	8.5	B1/500		
BM (30°-60°)	1711.4	35.2	B2/2500		
BH (60°-80°)	278.6	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





REPORT NUMBER: P630217  
 CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3
2.5°	794.5	795.3	796.8	799.6	802.4	806.3	807.9	809.9	809.5	811.9	811.9
5°	790.5	791.7	794.1	798.0	802.8	810.3	812.3	817.0	821.8	827.7	829.7
7.5°	795.3	796.8	799.6	806.0	813.1	823.0	826.9	834.8	844.0	854.6	859.0
10°	804.4	806.3	811.1	821.4	832.9	847.9	851.5	861.4	876.0	890.7	899.4
12.5°	814.7	817.8	826.5	842.8	859.8	879.6	885.1	897.4	913.2	932.2	944.1
15°	826.5	829.3	842.8	865.7	892.2	918.4	924.7	936.6	954.4	973.0	989.6
17.5°	851.5	856.2	872.1	898.6	929.5	960.3	967.5	980.9	995.2	1009.8	1025.6
20°	885.5	889.5	909.7	942.5	978.9	1007.0	1014.2	1026.0	1032.8	1040.3	1053.8
22.5°	919.6	925.1	948.1	986.9	1029.6	1060.1	1065.6	1076.7	1072.0	1069.6	1078.3
25°	961.9	969.4	992.0	1034.4	1077.9	1115.5	1119.9	1129.4	1121.4	1109.2	1108.8
27.5°	1014.6	1021.3	1044.6	1088.2	1131.3	1170.5	1178.8	1191.5	1174.1	1159.1	1148.4
30°	1077.1	1081.5	1107.2	1153.5	1197.8	1235.1	1245.7	1258.4	1245.3	1220.4	1209.7
32.5°	1149.9	1155.9	1185.6	1234.3	1273.8	1311.1	1321.7	1337.6	1323.3	1295.2	1281.8
35°	1237.4	1243.4	1274.6	1327.7	1368.1	1406.5	1414.0	1427.0	1409.2	1376.8	1366.1
37.5°	1332.4	1340.0	1379.5	1429.8	1472.2	1516.9	1517.3	1521.3	1495.9	1455.5	1443.7
40°	1439.3	1449.2	1488.8	1541.0	1592.1	1628.5	1628.1	1617.0	1574.3	1511.8	1493.5
42.5°	1545.0	1552.9	1592.9	1646.7	1697.8	1732.2	1721.9	1695.0	1633.3	1548.2	1524.0
45°	1621.4	1627.3	1669.3	1729.9	1781.7	1803.1	1784.5	1752.0	1668.5	1571.1	1535.5
47.5°	1657.4	1665.3	1707.7	1767.9	1826.5	1838.7	1816.6	1786.1	1689.1	1592.5	1544.6
50°	1638.0	1648.3	1696.2	1752.0	1818.1	1843.5	1827.6	1797.2	1710.9	1613.5	1560.8
52.5°	1587.8	1597.7	1658.2	1725.9	1800.7	1851.0	1850.6	1825.7	1735.8	1619.4	1561.6
55°	1416.0	1435.4	1529.6	1646.3	1779.3	1873.2	1882.7	1856.1	1739.8	1621.0	1569.9
57.5°	921.5	955.6	1045.0	1197.1	1463.9	1703.7	1767.9	1774.2	1711.3	1614.3	1571.5
60°	384.8	412.1	482.9	583.9	804.4	1089.8	1214.1	1338.8	1489.2	1543.8	1556.9
62.5°	239.1	241.5	248.6	271.6	345.2	484.5	564.5	681.3	904.9	1095.3	1183.2
65°	215.7	216.9	218.5	216.9	220.5	237.5	258.9	299.7	390.7	485.3	597.7
67.5°	190.0	191.6	192.8	191.6	192.8	193.6	195.9	199.5	216.1	229.6	239.9
70°	153.6	156.0	157.9	157.2	161.9	161.9	164.3	167.0	175.4	185.3	192.4
72.5°	117.2	115.2	117.6	118.4	122.7	125.1	128.7	131.8	141.3	147.3	156.4
75°	76.0	74.0	77.6	79.6	85.5	88.7	91.8	95.0	101.7	105.7	114.4
77.5°	41.2	40.8	44.3	47.1	53.4	57.4	59.8	62.1	67.7	68.9	74.4
80°	23.8	23.8	26.1	28.1	32.1	36.4	38.8	40.8	44.7	45.9	48.3
82.5°	13.1	13.1	14.3	15.4	18.6	21.0	23.0	24.5	28.1	29.3	30.5
85°	6.3	5.9	6.7	7.5	8.7	9.9	11.1	11.9	14.6	15.4	17.0
87.5°	0.8	0.8	0.8	1.2	1.6	2.4	2.8	2.8	4.4	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



REPORT NUMBER: P630217

CATALOG NUMBER: GWS-SA1D-730-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3
2.5°	814.3	809.1	812.3	813.5	813.5	812.3	807.1	805.6	803.2	799.6	799.6
5°	832.5	828.5	829.3	827.3	822.6	816.6	807.1	802.4	798.4	794.1	793.7
7.5°	863.7	858.6	857.8	850.3	837.6	825.0	810.7	802.0	796.1	790.5	790.1
10°	904.5	899.8	893.8	878.8	860.2	841.6	822.2	810.3	801.6	793.7	793.3
12.5°	950.0	944.5	933.4	911.2	887.9	869.7	847.5	829.3	816.2	805.6	803.6
15°	999.5	991.6	972.6	946.5	923.5	904.1	880.4	854.2	834.5	817.4	815.5
17.5°	1037.5	1027.2	1006.6	982.1	963.1	943.7	912.8	880.0	851.5	830.1	826.9
20°	1063.7	1055.3	1032.0	1013.8	1002.7	985.7	949.6	912.4	880.4	853.5	851.9
22.5°	1087.8	1077.9	1054.9	1044.3	1044.3	1032.8	998.3	954.4	916.8	885.5	881.6
25°	1115.1	1104.4	1087.0	1085.8	1091.4	1086.2	1044.6	997.5	953.6	918.4	912.0
27.5°	1153.1	1141.2	1130.9	1138.1	1146.0	1140.4	1094.1	1039.5	993.2	957.6	952.0
30°	1213.7	1199.0	1189.5	1198.2	1213.7	1197.4	1147.2	1089.4	1042.7	1003.5	1000.7
32.5°	1284.1	1267.5	1257.6	1271.5	1285.3	1260.0	1210.1	1154.7	1105.6	1064.4	1059.7
35°	1368.9	1347.9	1333.2	1351.8	1366.1	1341.1	1291.7	1239.0	1184.4	1141.6	1135.3
37.5°	1444.1	1418.7	1408.8	1435.0	1454.0	1437.7	1383.9	1334.4	1274.6	1227.9	1225.2
40°	1498.7	1473.8	1466.6	1509.8	1543.0	1539.1	1490.8	1434.2	1378.0	1324.1	1319.0
42.5°	1522.4	1505.0	1506.6	1564.8	1616.3	1641.6	1598.4	1537.9	1483.6	1427.8	1424.3
45°	1527.6	1516.9	1529.6	1602.4	1670.1	1721.9	1685.1	1634.5	1573.1	1519.3	1517.7
47.5°	1533.1	1527.2	1546.6	1623.8	1704.1	1764.3	1743.7	1691.5	1629.3	1576.7	1572.7
50°	1546.2	1543.8	1565.6	1638.8	1720.4	1775.8	1752.4	1700.6	1636.8	1585.0	1575.5
52.5°	1550.2	1546.2	1577.5	1662.2	1747.3	1775.4	1725.1	1657.4	1593.3	1535.5	1525.6
55°	1562.4	1555.3	1576.7	1670.9	1784.5	1798.3	1723.5	1622.2	1532.7	1454.0	1430.6
57.5°	1565.6	1557.7	1571.5	1656.6	1744.1	1731.8	1514.9	1309.1	1140.4	1053.0	1062.9
60°	1548.6	1550.9	1527.2	1517.7	1398.9	1235.1	927.5	741.4	582.3	515.0	529.6
62.5°	1178.8	1188.7	1107.6	963.1	740.6	587.0	388.3	301.6	255.3	243.4	245.4
65°	595.0	608.4	524.1	433.5	322.2	260.5	225.2	218.1	215.7	213.0	213.0
67.5°	235.5	239.5	236.3	221.3	205.8	200.3	198.7	197.9	195.2	193.6	194.0
70°	189.2	192.4	187.6	178.1	171.8	171.4	170.6	169.0	167.0	167.0	168.2
72.5°	154.4	157.5	150.8	144.9	140.1	136.6	134.6	133.4	130.6	130.6	131.8
75°	113.6	115.6	110.0	109.3	104.1	100.5	97.4	95.8	92.2	90.6	91.8
77.5°	75.6	75.2	72.4	72.4	70.5	66.1	62.5	59.0	54.2	51.1	51.9
80°	49.1	49.1	47.9	47.9	45.9	42.4	38.0	34.4	31.7	29.3	29.3
82.5°	31.3	30.9	30.5	30.1	29.3	25.7	22.6	20.2	18.2	16.6	17.0
85°	17.4	17.4	16.6	16.6	15.0	13.1	11.5	9.9	8.7	8.3	8.3
87.5°	5.9	5.9	5.5	5.5	4.8	3.6	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)