

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: P630787

Luminaire Tested: GWS-SA1E-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7460.1 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

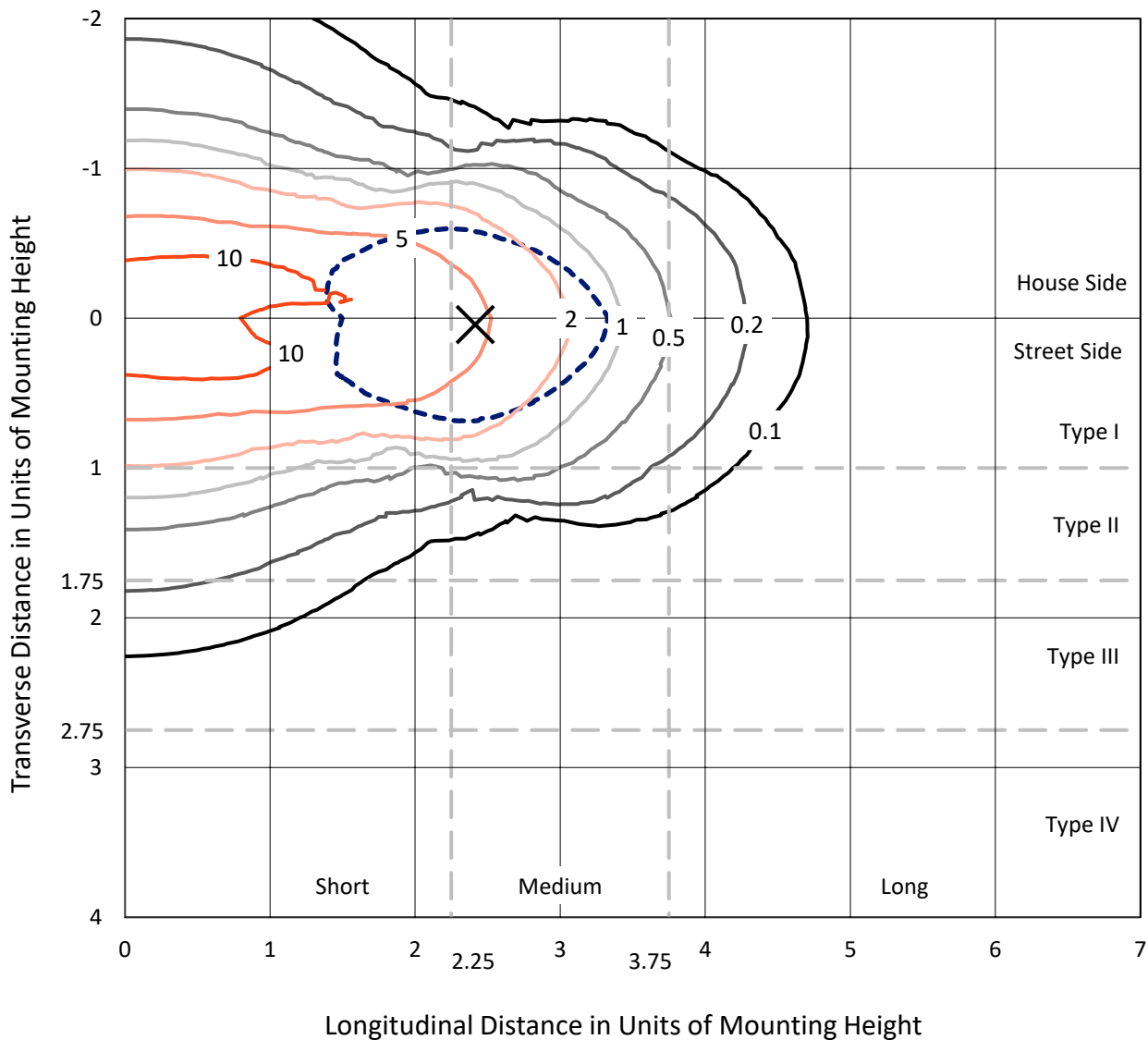
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

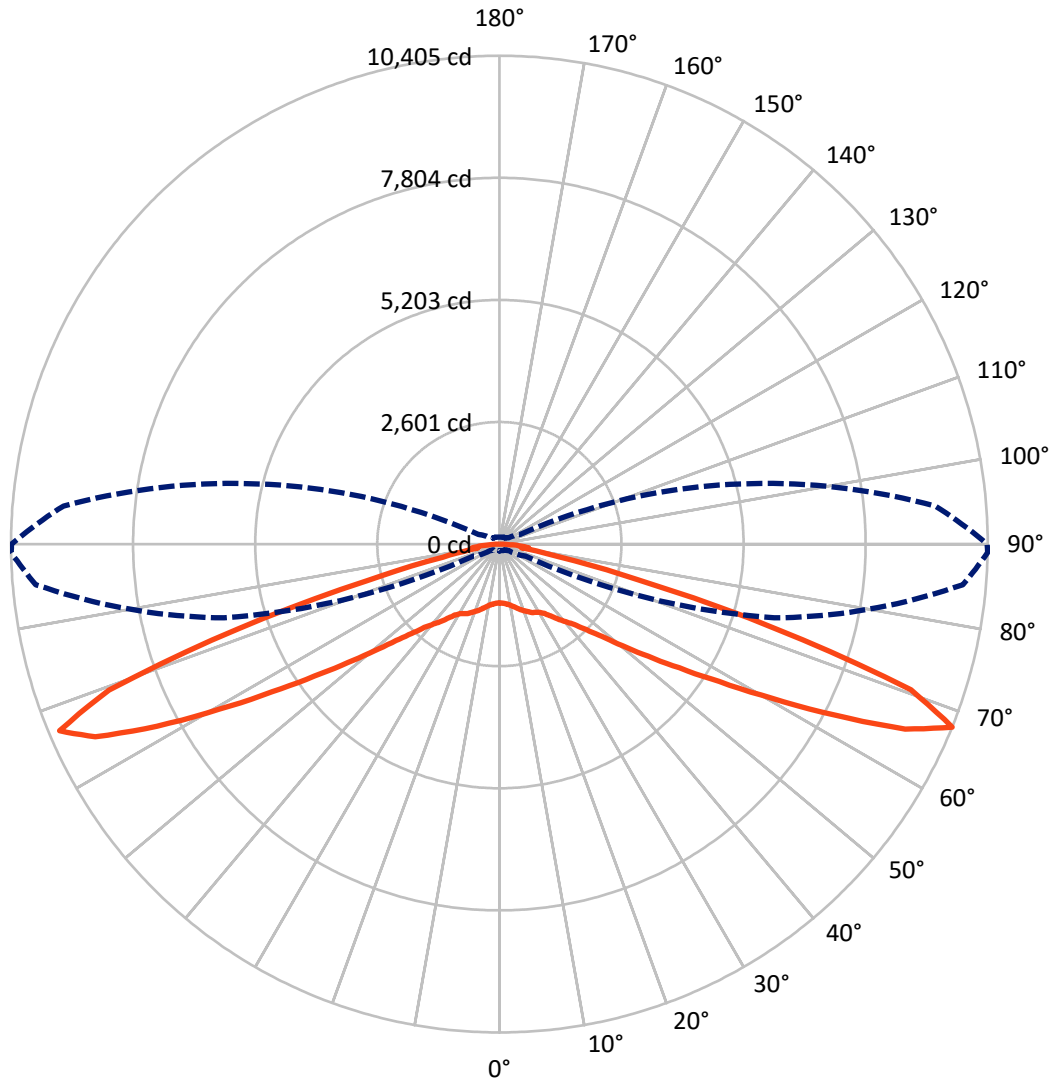
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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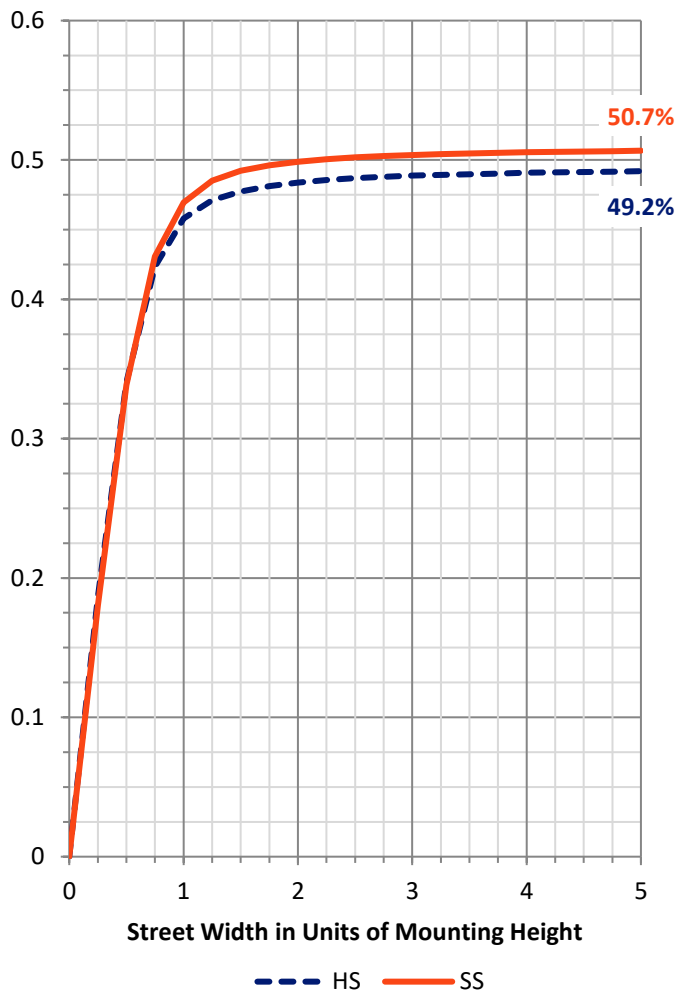
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3697.4	0.0	3697.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3762.7	0.0	3762.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	7460.1	0.0	7460.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	1.7
10°-20°	409.0	5.5
20°-30°	691.3	9.3
30°-40°	948.8	12.7
40°-50°	1209.9	16.2
50°-60°	1518.0	20.3
60°-70°	1830.8	24.5
70°-80°	662.3	8.9
80°-90°	64.4	0.9
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°	7460.1	100.0
0°-180°	7460.1	100.0

Coefficient of Utilization



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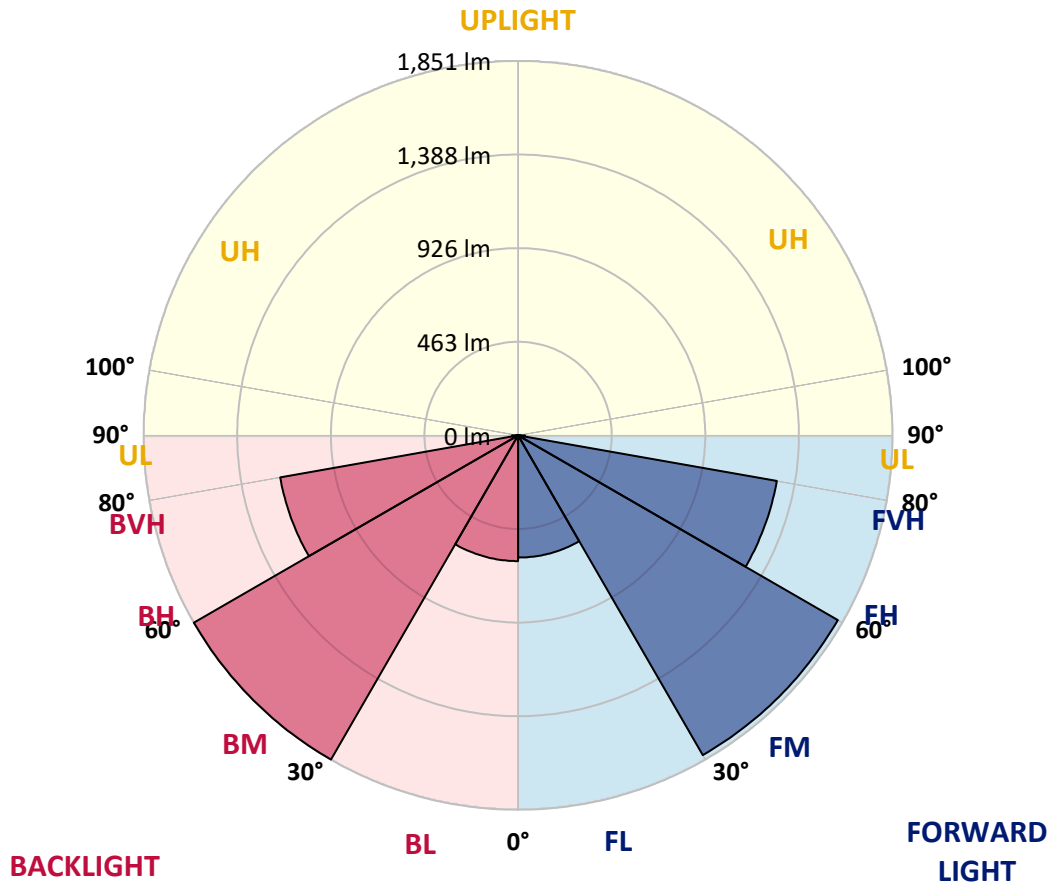
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.2	8.1			
FM (30°-60°)	1825.6	24.5			
FH (60°-80°)	1298.9	17.4			G1/1800
FVH (80°-90°)	34.0	0.5			G1/100
BL (0°-30°)	621.7	8.3	B2/1000		
BM (30°-60°)	1851.0	24.8	B2/2500		
BH (60°-80°)	1194.2	16.0	B3/2500		G3/2500
BVH (80°-90°)	30.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1255.9	1254.8	1252.1	1260.2	1258.5	1259.1	1262.3	1260.2	1256.4	1250.0	1259.1
5°	1291.2	1290.7	1284.8	1289.6	1284.3	1280.5	1280.0	1274.6	1270.3	1263.4	1273.0
7.5°	1325.5	1325.0	1320.2	1328.7	1324.4	1320.2	1315.3	1304.6	1294.4	1284.3	1295.0
10°	1351.8	1351.2	1350.2	1362.5	1363.6	1365.2	1363.0	1344.8	1327.1	1314.8	1325.5
12.5°	1366.8	1368.4	1371.1	1393.6	1404.8	1415.5	1418.2	1403.2	1373.7	1356.1	1368.9
15°	1356.6	1359.8	1373.2	1413.9	1445.0	1469.1	1479.3	1467.0	1428.9	1399.5	1413.9
17.5°	1307.8	1310.5	1336.8	1398.9	1467.5	1523.2	1539.8	1532.3	1490.0	1454.1	1468.0
20°	1240.3	1246.2	1274.6	1361.4	1463.8	1560.7	1605.2	1602.5	1556.4	1501.3	1517.9
22.5°	1179.3	1186.2	1216.2	1312.1	1438.6	1570.4	1671.1	1678.1	1617.0	1548.4	1561.8
25°	1110.7	1117.1	1155.7	1253.7	1395.2	1562.9	1727.4	1759.0	1685.6	1602.5	1614.8
27.5°	1040.5	1045.3	1083.3	1187.8	1338.4	1548.9	1771.8	1847.9	1753.1	1640.0	1648.6
30°	978.9	985.3	1020.1	1121.9	1276.2	1521.1	1808.3	1942.7	1830.8	1682.3	1689.3
32.5°	919.4	924.8	962.8	1057.1	1210.3	1478.2	1840.9	2054.2	1946.0	1761.1	1761.1
35°	844.4	854.0	896.9	994.9	1148.2	1421.4	1864.5	2183.8	2103.5	1877.4	1877.9
37.5°	775.3	780.6	825.6	924.8	1082.8	1357.1	1866.7	2318.3	2302.8	2025.2	2026.3
40°	696.5	703.5	751.7	849.7	1007.8	1289.6	1846.3	2443.7	2511.7	2177.4	2171.5
42.5°	616.7	626.9	672.9	768.8	926.9	1207.1	1792.2	2563.2	2776.9	2353.7	2339.2
45°	539.5	546.0	592.0	682.6	834.2	1108.5	1705.4	2677.8	3092.0	2621.6	2600.7
47.5°	452.7	455.4	503.1	589.9	738.3	998.7	1581.1	2780.2	3438.1	2976.3	2940.4
50°	375.6	379.3	416.8	491.3	621.0	868.5	1426.2	2840.2	3879.0	3460.1	3397.9
52.5°	303.8	307.5	337.5	397.0	513.3	720.1	1234.4	2826.2	4326.4	4060.7	3970.1
55°	245.4	248.1	268.4	315.0	404.0	572.7	1007.8	2701.4	4823.1	4845.1	4650.0
57.5°	207.3	208.4	222.3	250.7	315.6	441.5	778.0	2406.7	5343.9	5845.9	5525.5
60°	185.4	185.9	192.3	210.0	249.1	337.0	570.1	1937.4	5883.4	7098.0	6658.7
62.5°	171.4	171.4	176.8	187.0	206.8	259.3	419.0	1391.4	6270.8	8460.5	8023.8
65°	158.1	158.1	161.8	170.4	181.1	211.6	314.5	897.4	6461.0	9599.6	9502.6
67.5°	140.9	141.4	144.1	153.2	162.9	176.8	238.4	607.0	6066.1	9914.6	10405.4
70°	124.8	125.4	129.1	135.0	143.1	152.7	186.5	418.4	4415.4	8257.4	9303.8
72.5°	107.2	109.3	112.0	118.4	123.2	130.2	152.2	271.1	2569.1	5311.7	6150.2
75°	87.9	90.5	93.8	100.2	103.4	106.1	125.4	193.4	1236.0	2691.8	3065.2
77.5°	68.0	70.7	74.5	80.4	82.5	85.7	95.9	139.8	592.0	1193.2	1286.4
80°	45.5	46.6	49.8	56.8	60.5	62.7	70.7	95.4	257.2	479.0	474.7
82.5°	27.9	28.4	29.5	33.8	35.4	37.5	46.1	58.4	122.7	544.4	624.2
85°	10.2	9.6	9.1	11.8	13.9	16.1	21.4	29.5	53.6	374.0	418.4
87.5°	0.0	0.0	0.0	0.5	1.1	1.1	2.1	4.3	12.9	139.8	95.9
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°	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1256.4	1250.5	1258.0	1263.4	1275.2	1279.4	1280.5	1276.8	1276.8	1270.3	1271.4
5°	1270.9	1267.1	1279.4	1288.6	1305.7	1312.1	1316.4	1313.7	1315.3	1311.1	1312.1
7.5°	1292.8	1289.6	1311.1	1328.7	1346.4	1353.9	1357.7	1355.5	1356.1	1350.7	1352.3
10°	1323.4	1324.4	1350.2	1373.2	1396.8	1404.3	1405.9	1399.5	1394.1	1384.5	1385.0
12.5°	1365.2	1370.5	1407.0	1432.7	1456.8	1467.5	1455.7	1432.1	1410.2	1393.6	1391.4
15°	1410.7	1420.4	1472.9	1505.5	1531.8	1526.4	1491.6	1438.6	1395.2	1370.5	1365.7
17.5°	1465.4	1479.8	1545.7	1584.8	1607.3	1573.0	1500.2	1420.9	1360.3	1327.1	1320.7
20°	1516.8	1539.8	1622.9	1673.8	1676.5	1599.3	1496.4	1385.0	1308.9	1268.2	1259.6
22.5°	1563.9	1593.4	1703.8	1768.6	1733.8	1611.1	1473.4	1334.1	1246.8	1199.1	1191.6
25°	1615.4	1657.2	1798.1	1858.6	1791.1	1606.3	1425.2	1270.9	1171.8	1123.0	1117.6
27.5°	1650.7	1703.2	1892.9	1950.8	1838.3	1578.9	1363.0	1201.8	1103.2	1057.1	1049.6
30°	1691.5	1758.4	1997.4	2051.0	1867.2	1538.8	1296.6	1137.5	1039.4	989.6	984.2
32.5°	1765.4	1849.5	2127.0	2157.0	1876.3	1488.9	1232.8	1075.3	973.0	923.1	915.6
35°	1884.3	1982.9	2309.2	2275.5	1869.3	1434.3	1172.3	1002.4	904.9	858.3	850.8
37.5°	2034.4	2157.0	2512.3	2382.1	1850.0	1374.3	1100.5	941.4	843.9	796.7	792.4
40°	2174.2	2325.3	2740.0	2474.2	1810.9	1300.3	1031.4	877.6	778.0	728.1	718.5
42.5°	2349.4	2550.3	3003.6	2554.1	1746.6	1211.9	953.7	798.8	695.4	650.4	638.6
45°	2615.7	2865.4	3310.0	2630.7	1650.7	1103.2	856.2	702.9	604.9	558.8	549.7
47.5°	2947.9	3259.1	3642.2	2676.2	1505.0	988.5	745.8	601.7	503.6	451.7	447.4
50°	3414.5	3831.9	3998.5	2668.2	1342.1	852.4	621.5	481.1	399.2	361.7	355.8
52.5°	3983.0	4550.9	4383.8	2571.7	1169.1	697.6	484.3	377.7	316.6	289.9	285.0
55°	4696.1	5411.9	4789.3	2364.9	950.5	534.2	380.4	297.9	256.1	240.0	237.9
57.5°	5579.1	6526.9	5179.9	2016.7	714.7	407.7	293.1	245.9	226.1	216.5	215.9
60°	6744.4	7710.4	5519.1	1567.2	511.7	311.8	242.2	219.7	204.1	197.7	197.2
62.5°	8129.9	8785.2	5730.2	1067.3	384.7	248.6	213.2	199.3	190.2	186.5	185.9
65°	9554.0	9464.6	5629.4	699.2	292.0	211.1	191.3	183.8	175.7	172.0	172.0
67.5°	10395.2	9321.0	4856.3	485.4	231.5	185.4	172.5	165.6	152.2	148.9	148.9
70°	9207.4	7552.9	3183.1	355.2	187.5	162.3	150.0	140.4	135.0	131.8	131.3
72.5°	6089.7	4914.7	1692.5	246.5	156.4	138.2	127.0	123.2	116.8	113.6	113.0
75°	3030.9	2581.4	867.4	177.9	130.2	110.9	106.1	104.5	99.1	94.8	93.8
77.5°	1263.4	1149.2	404.5	129.1	99.1	89.5	85.2	85.2	79.3	74.5	72.3
80°	476.3	424.3	191.3	88.4	73.4	66.4	63.8	61.6	56.8	50.9	47.7
82.5°	637.0	416.3	93.8	55.2	48.2	42.9	39.1	37.5	34.8	32.1	30.0
85°	412.6	295.8	42.3	28.4	24.1	18.2	16.1	15.0	13.4	11.8	10.7
87.5°	84.1	99.1	12.9	5.4	3.2	1.6	1.6	0.5	0.0	0.0	0.0
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)