

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: P630879

Luminaire Tested: GWS-SA1E-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4551.4 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

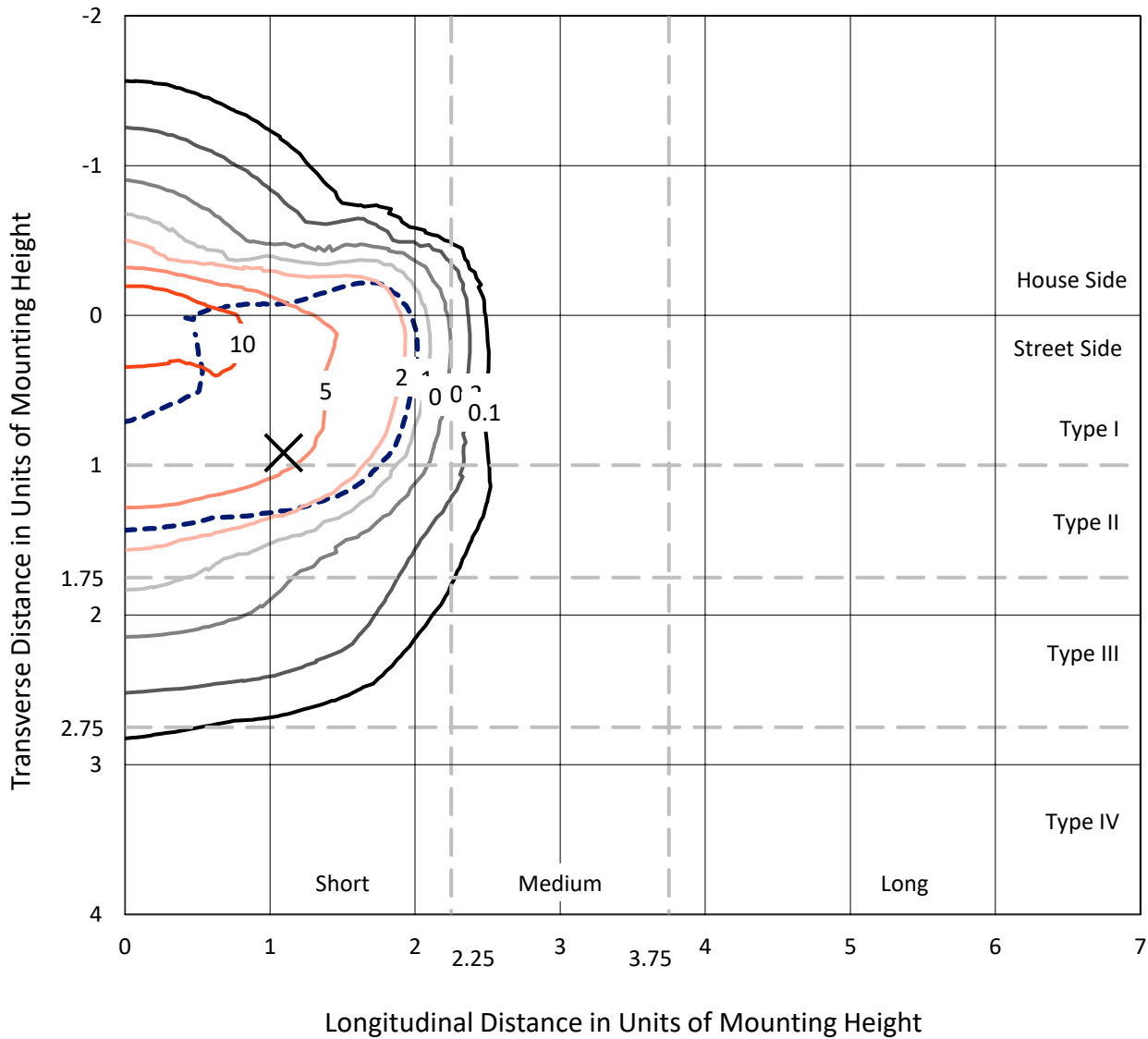
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

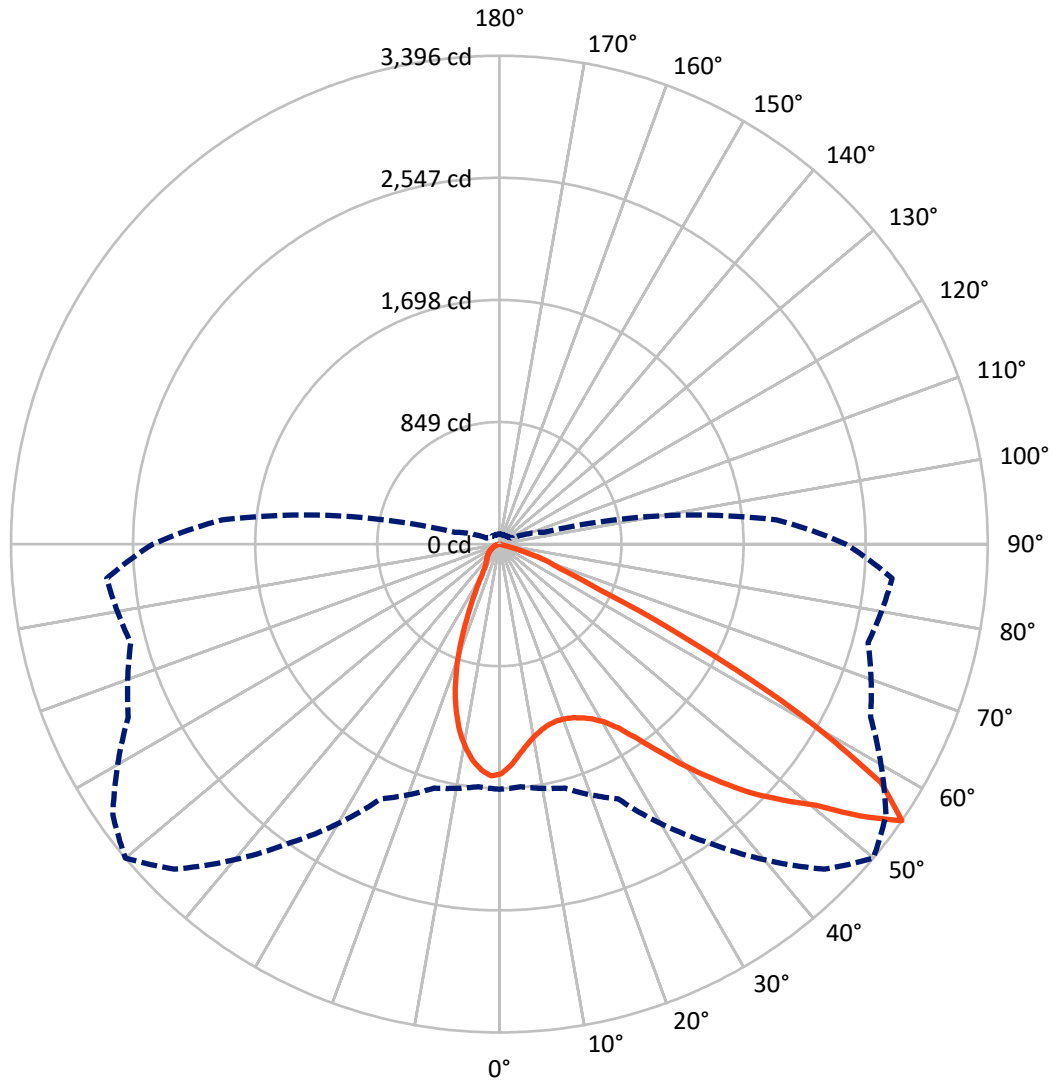
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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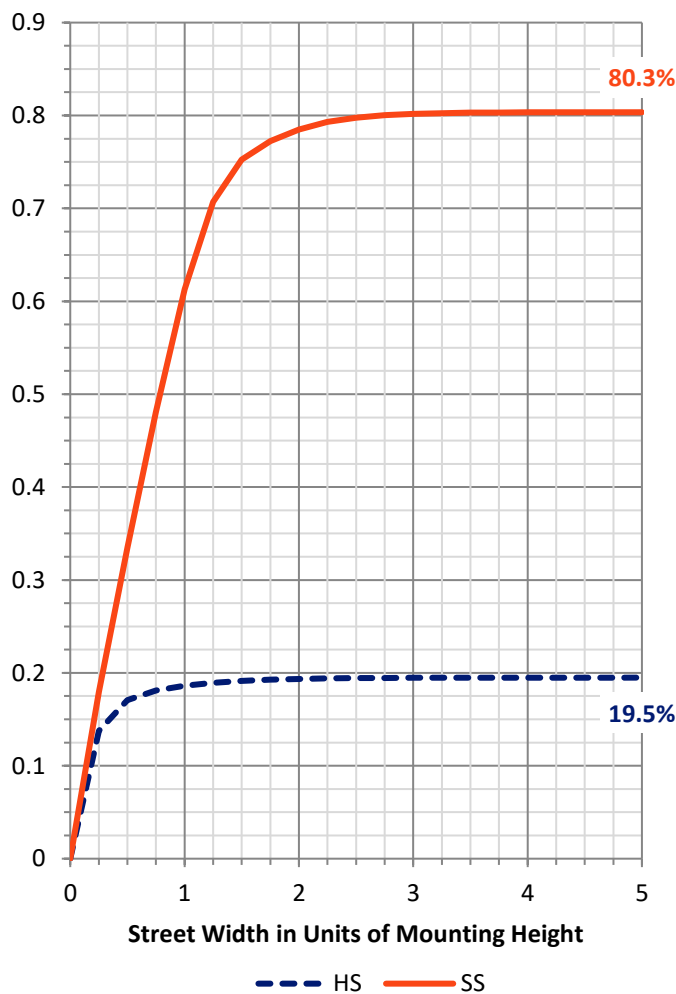
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.8	0.0	896.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3654.6	0.0	3654.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	4551.4	0.0	4551.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	3.1
10°-20°	345.1	7.6
20°-30°	486.8	10.7
30°-40°	720.3	15.8
40°-50°	1039.2	22.8
50°-60°	1225.8	26.9
60°-70°	546.8	12.0
70°-80°	47.0	1.0
80°-90°	0.0	0.0
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°	4551.4	100.0
0°-180°	4551.4	100.0

Coefficient of Utilization



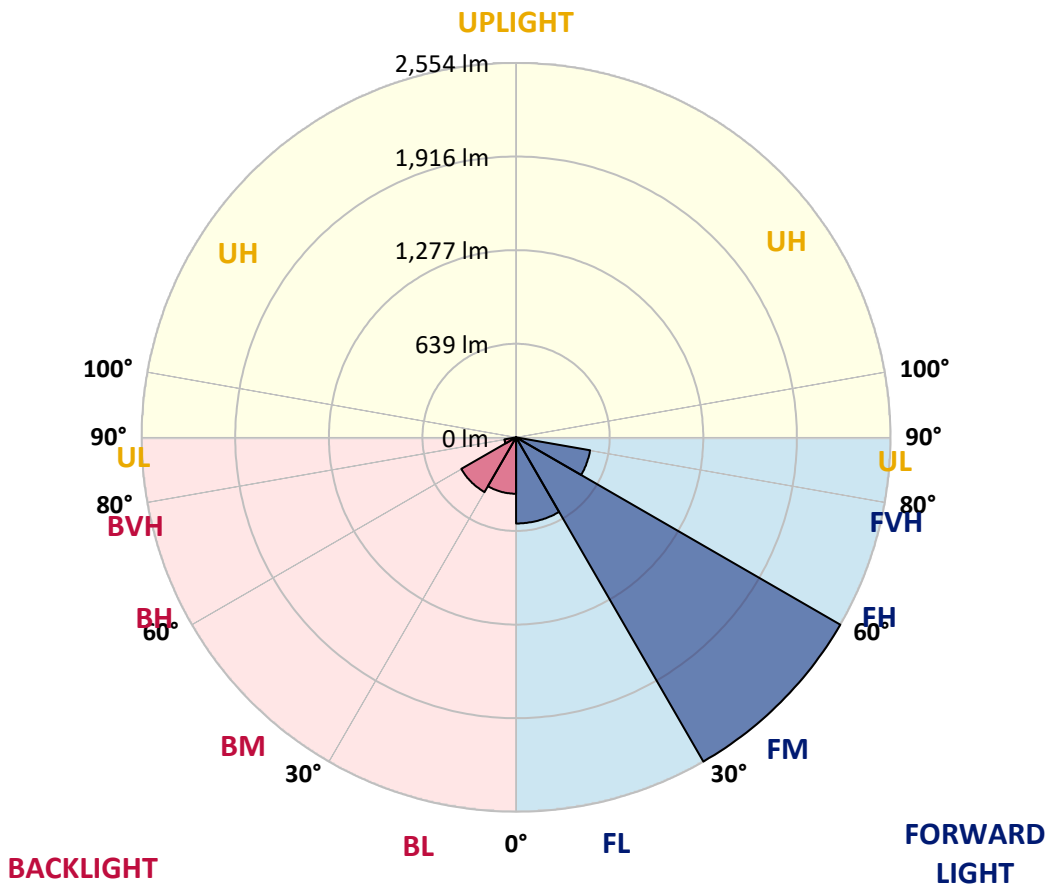
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	587.6	12.9			
FM (30°-60°)	2554.1	56.1			
FH (60°-80°)	512.9	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	384.5	8.4	B1/500		
BM (30°-60°)	431.3	9.5	B1/1000		
BH (60°-80°)	81.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1483.5	1484.6	1485.2	1500.2	1505.8	1528.0	1539.7	1545.8	1561.9	1580.8	1596.3
5°	1384.1	1382.4	1385.2	1404.1	1416.3	1449.1	1466.9	1479.1	1514.7	1559.1	1596.3
7.5°	1297.4	1300.7	1304.1	1324.6	1343.0	1378.5	1404.1	1422.4	1471.9	1538.0	1600.8
10°	1236.3	1236.3	1241.3	1264.6	1286.3	1330.2	1355.7	1379.1	1438.0	1519.1	1605.8
12.5°	1191.3	1191.8	1197.9	1224.6	1249.6	1295.2	1321.8	1344.6	1409.6	1500.2	1606.9
15°	1170.2	1168.5	1173.5	1201.8	1229.6	1272.4	1300.2	1322.4	1389.6	1489.6	1612.4
17.5°	1164.6	1163.5	1167.4	1195.2	1223.5	1265.2	1292.4	1314.6	1386.9	1493.0	1629.1
20°	1180.7	1178.5	1176.8	1200.7	1227.4	1268.5	1296.8	1321.8	1400.2	1511.3	1654.7
22.5°	1219.1	1219.1	1215.2	1226.8	1244.6	1281.8	1311.3	1344.1	1435.2	1548.0	1692.5
25°	1289.6	1284.1	1276.8	1281.8	1279.6	1303.0	1338.0	1383.5	1501.3	1608.6	1738.6
27.5°	1370.2	1375.2	1363.0	1363.5	1344.1	1335.7	1376.3	1445.2	1599.7	1694.1	1806.9
30°	1479.6	1475.8	1476.3	1474.6	1429.6	1390.2	1434.1	1525.8	1723.6	1824.7	1895.8
32.5°	1565.2	1570.8	1589.1	1599.7	1540.8	1477.4	1524.1	1635.2	1864.7	1973.6	2004.7
35°	1655.8	1665.8	1703.0	1737.5	1688.0	1615.2	1665.2	1780.2	1997.5	2120.8	2129.7
37.5°	1751.3	1771.4	1815.8	1876.4	1868.6	1804.1	1849.7	1950.8	2102.0	2209.7	2233.1
40°	1860.8	1880.3	1953.0	2040.3	2058.6	2044.2	2059.2	2118.1	2170.9	2213.6	2277.5
42.5°	1980.8	2007.5	2099.7	2216.4	2285.3	2298.1	2263.1	2257.0	2200.9	2169.2	2268.1
45°	2122.5	2153.6	2258.1	2409.2	2518.7	2535.9	2475.3	2397.0	2219.7	2136.4	2239.7
47.5°	2281.4	2310.9	2414.8	2596.5	2759.3	2765.9	2660.4	2534.2	2275.9	2174.2	2261.4
50°	2334.8	2353.1	2443.1	2656.5	2956.5	3007.6	2854.8	2688.7	2388.7	2285.3	2367.0
52.5°	2151.4	2158.6	2237.0	2452.6	2916.5	3244.9	3138.8	2919.3	2589.2	2454.8	2529.8
55°	1704.7	1693.0	1756.4	1954.2	2534.8	3196.5	3396.0	3281.6	2847.6	2653.7	2741.5
57.5°	1192.4	1178.5	1164.0	1298.0	1891.4	2709.8	3129.3	3332.1	3093.8	2850.9	2969.8
60°	980.1	966.8	896.8	835.1	1143.5	1945.8	2403.7	2785.4	3073.8	2840.9	2962.6
62.5°	846.8	839.0	810.7	726.8	672.9	1110.7	1505.2	1870.8	2358.7	2230.9	2237.5
65°	665.1	662.9	682.3	691.2	595.1	614.5	767.9	972.4	1275.2	1202.4	1140.2
67.5°	454.5	449.5	486.2	597.9	572.3	485.1	449.5	453.4	551.7	337.3	267.8
70°	288.9	277.3	277.8	370.6	465.6	382.8	346.7	305.0	274.5	50.0	56.7
72.5°	185.0	177.8	152.8	167.2	215.6	186.7	188.4	162.2	108.3	26.7	31.1
75°	77.8	71.7	55.0	43.9	43.3	27.2	23.9	22.2	15.0	15.0	16.1
77.5°	0.6	0.0	0.0	0.6	1.1	0.6	0.6	1.1	2.2	3.3	3.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1605.8	1592.4	1607.4	1613.0	1612.4	1613.0	1596.9	1585.8	1585.2	1571.3	1564.7
5°	1611.9	1601.3	1612.4	1605.2	1588.0	1566.3	1537.4	1512.4	1501.3	1485.2	1477.4
7.5°	1623.6	1612.4	1610.8	1581.9	1539.1	1493.5	1442.4	1396.9	1372.4	1343.0	1344.6
10°	1631.9	1619.1	1597.4	1538.5	1467.4	1394.6	1318.5	1250.7	1207.9	1168.5	1161.8
12.5°	1635.2	1616.3	1565.8	1476.9	1376.9	1281.8	1170.2	1073.5	1006.8	955.1	947.9
15°	1641.3	1610.8	1525.2	1402.4	1265.2	1130.7	988.5	856.2	767.9	708.4	713.4
17.5°	1650.8	1604.7	1479.6	1319.1	1145.2	955.1	762.9	611.2	530.1	495.6	496.2
20°	1664.1	1597.4	1429.6	1227.4	1001.2	756.8	533.4	418.9	396.2	395.1	393.4
22.5°	1681.9	1590.2	1376.3	1126.8	830.7	530.1	355.0	319.5	328.9	347.3	350.6
25°	1703.0	1581.3	1316.8	1013.5	644.5	347.8	266.1	260.6	283.4	307.8	313.4
27.5°	1735.8	1576.9	1249.1	884.6	452.3	249.5	217.8	221.1	241.7	262.3	267.3
30°	1791.4	1585.2	1175.2	740.1	290.6	198.9	188.9	193.9	205.0	215.6	220.0
32.5°	1866.9	1609.7	1103.5	582.3	207.3	172.8	170.6	173.4	177.8	183.9	185.6
35°	1955.3	1651.9	1029.6	416.7	171.1	157.8	155.6	155.6	157.8	158.9	159.5
37.5°	2028.1	1696.3	960.1	277.3	153.4	146.1	142.8	141.1	140.6	141.7	142.2
40°	2059.7	1714.7	884.6	201.7	140.6	135.6	130.6	125.6	125.6	129.5	130.0
42.5°	2037.5	1694.1	797.3	166.7	131.7	124.5	116.7	112.2	114.5	118.3	119.5
45°	1990.3	1643.6	701.2	147.2	122.8	113.3	104.5	101.7	103.9	108.9	110.0
47.5°	1982.5	1610.2	586.2	134.5	113.3	103.9	94.5	91.7	94.5	98.3	99.5
50°	2059.7	1639.1	458.4	123.4	104.5	93.9	86.1	83.3	85.0	87.2	88.3
52.5°	2200.9	1746.3	370.1	112.8	93.9	83.9	78.9	75.6	75.6	77.8	78.3
55°	2409.2	1933.6	319.5	100.6	81.7	76.1	71.7	68.3	68.3	69.5	70.0
57.5°	2649.2	2160.3	331.2	84.5	71.7	68.9	65.0	62.2	63.3	63.3	63.3
60°	2615.9	2143.6	354.5	71.1	63.3	62.2	58.9	57.8	60.6	58.3	57.2
62.5°	1926.9	1480.8	185.6	58.3	54.5	53.3	51.1	53.3	57.2	51.1	48.9
65°	935.7	716.8	74.5	47.8	46.1	45.0	43.9	47.2	49.5	40.0	37.8
67.5°	220.0	178.9	48.3	40.6	38.3	36.1	37.2	37.8	36.1	27.2	26.1
70°	57.2	56.1	37.8	33.9	30.6	28.3	28.3	27.8	23.9	17.2	16.1
72.5°	31.1	30.6	27.2	25.6	21.1	18.9	19.4	17.2	13.3	10.0	9.4
75°	15.6	16.7	15.6	14.4	11.7	10.6	10.6	9.4	6.7	3.9	3.9
77.5°	3.3	3.9	3.9	3.3	2.8	2.2	2.2	2.8	1.1	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)