

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: P630336

Luminaire Tested: GWS-SA1D-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5941.4 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

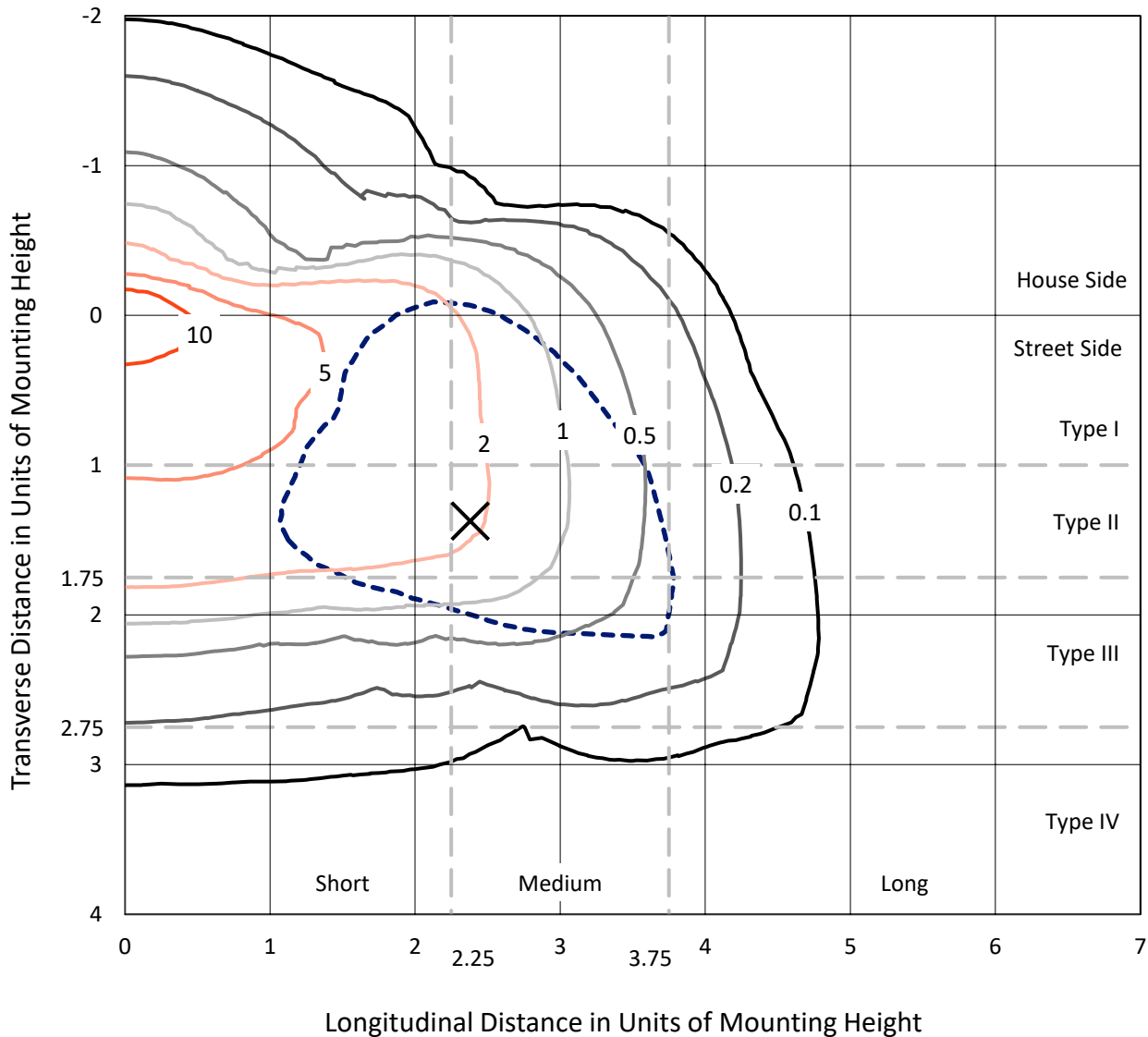
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

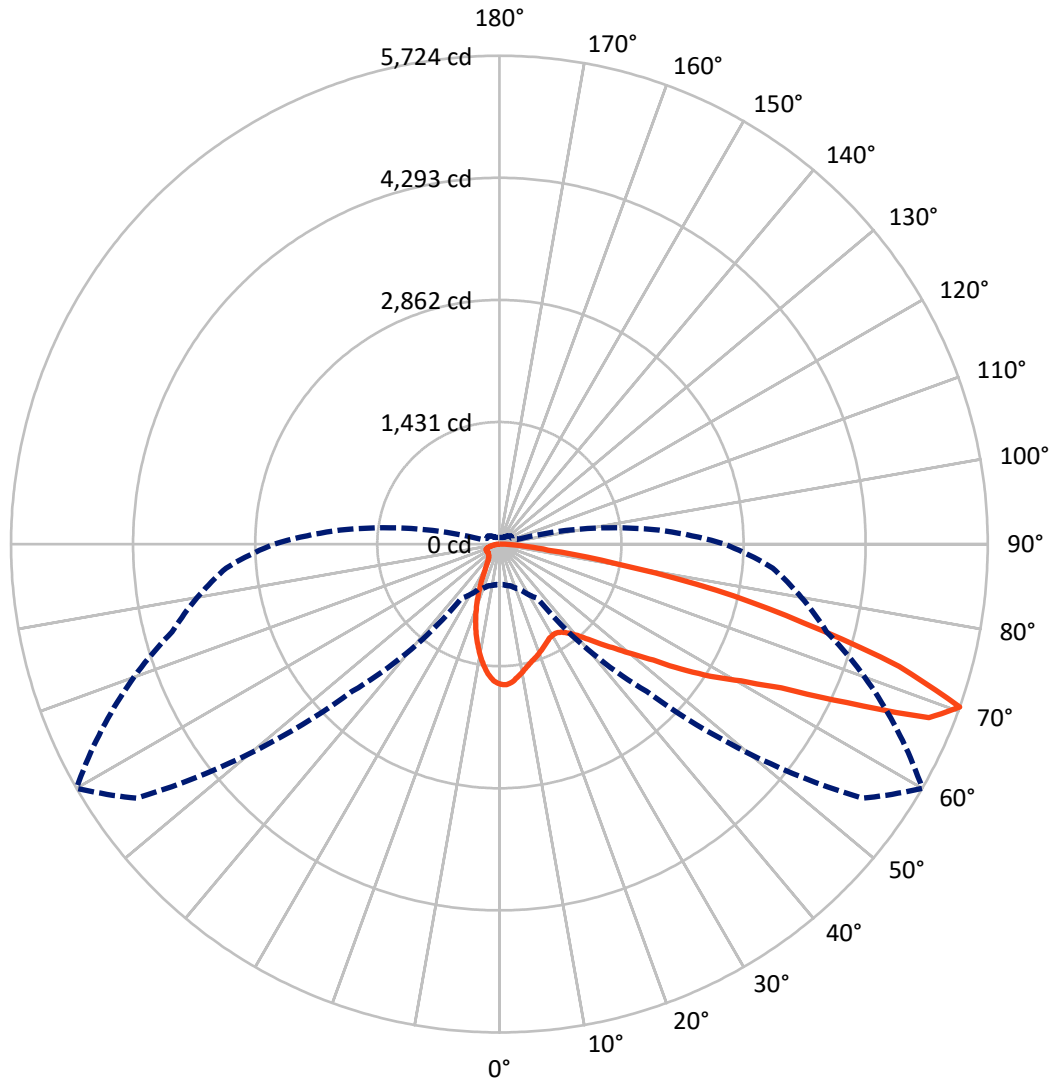
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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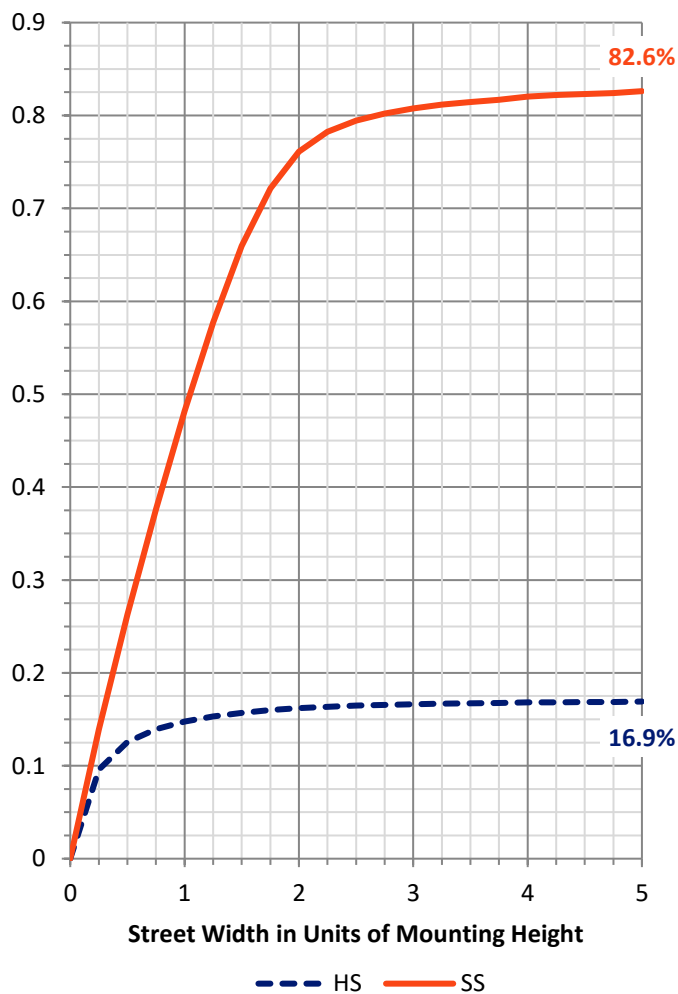
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1016.1	0.0	1016.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4925.3	0.0	4925.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	5941.4	0.0	5941.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	2.4
10°-20°	317.5	5.3
20°-30°	406.6	6.8
30°-40°	534.4	9.0
40°-50°	775.3	13.0
50°-60°	1209.6	20.4
60°-70°	1583.6	26.7
70°-80°	875.7	14.7
80°-90°	97.2	1.6
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°	5941.4	100.0
0°-180°	5941.4	100.0

Coefficient of Utilization



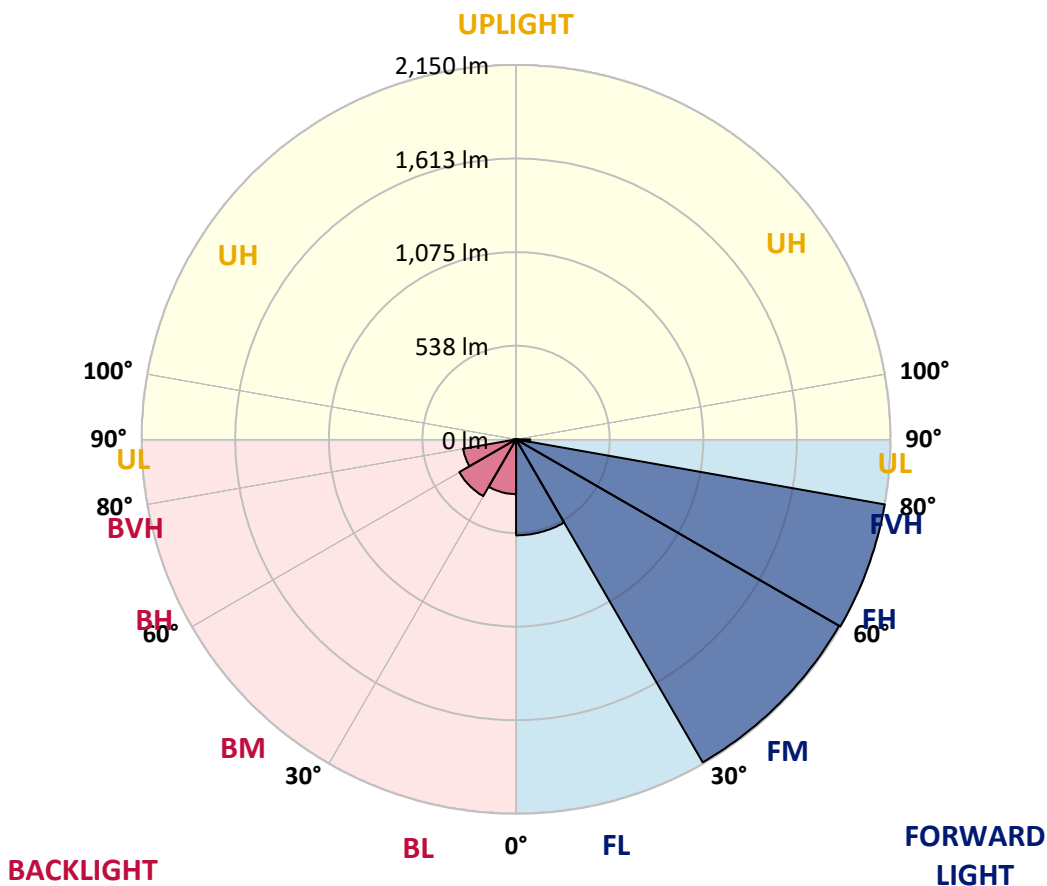
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.4	9.3			
FM (30°-60°)	2142.5	36.1			
FH (60°-80°)	2150.5	36.2			G2/5000
FVH (80°-90°)	81.0	1.4			G1/100
BL (0°-30°)	314.4	5.3	B1/500		
BM (30°-60°)	376.7	6.3	B1/1000		
BH (60°-80°)	308.8	5.2	B1/500		G1/500
BVH (80°-90°)	16.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1
2.5°	1621.0	1622.8	1627.5	1634.5	1641.5	1644.9	1653.6	1651.0	1649.3	1645.8	1641.5
5°	1549.3	1552.8	1557.1	1570.6	1585.8	1598.0	1617.5	1619.7	1620.6	1622.3	1615.4
7.5°	1458.0	1458.9	1469.3	1487.1	1507.1	1528.0	1560.6	1569.7	1577.6	1586.2	1580.6
10°	1357.2	1359.3	1367.2	1392.8	1427.1	1458.0	1501.9	1517.1	1533.6	1552.8	1544.9
12.5°	1274.6	1275.0	1287.6	1315.0	1352.4	1394.1	1448.9	1467.1	1488.9	1518.9	1511.9
15°	1208.9	1208.9	1220.7	1244.1	1287.2	1336.3	1401.5	1425.0	1454.5	1495.0	1482.8
17.5°	1156.8	1157.2	1164.6	1189.4	1227.6	1282.0	1359.3	1391.1	1423.7	1477.1	1458.9
20°	1129.4	1127.2	1128.5	1143.7	1176.3	1228.9	1317.2	1354.1	1398.0	1465.0	1437.1
22.5°	1128.1	1124.2	1118.5	1119.8	1138.9	1182.4	1272.0	1316.7	1371.9	1455.0	1415.0
25°	1150.2	1145.9	1135.9	1124.6	1122.8	1148.9	1229.4	1280.2	1345.0	1450.6	1393.7
27.5°	1187.6	1184.6	1171.5	1154.6	1136.8	1135.9	1197.2	1250.2	1325.4	1455.0	1378.5
30°	1237.2	1232.0	1223.7	1202.0	1175.0	1147.2	1184.6	1234.1	1312.4	1468.9	1371.9
32.5°	1293.3	1290.2	1282.4	1260.7	1232.0	1187.6	1194.6	1237.6	1312.4	1493.2	1373.2
35°	1352.8	1352.4	1352.4	1338.0	1306.3	1251.1	1234.1	1267.2	1332.4	1532.3	1387.2
37.5°	1410.6	1410.2	1424.1	1429.3	1393.2	1333.7	1301.5	1326.3	1376.3	1590.2	1421.5
40°	1457.6	1459.3	1489.7	1515.8	1495.8	1440.6	1395.4	1408.0	1447.6	1672.3	1481.5
42.5°	1505.0	1509.7	1555.4	1601.5	1609.3	1561.5	1515.8	1523.2	1549.7	1781.0	1571.0
45°	1556.7	1558.9	1622.8	1687.1	1724.9	1696.7	1659.3	1669.3	1675.4	1915.3	1704.5
47.5°	1606.7	1612.3	1694.9	1783.2	1854.9	1852.3	1831.4	1828.4	1829.7	2078.8	1862.3
50°	1674.9	1683.2	1780.1	1886.6	1991.8	2040.1	2046.2	2023.1	2013.6	2260.5	2058.8
52.5°	1804.5	1804.5	1891.4	1996.2	2137.5	2257.0	2297.9	2260.0	2229.6	2452.6	2267.4
55°	1966.6	1973.6	2042.7	2127.5	2306.6	2485.2	2623.5	2581.7	2495.7	2661.7	2486.1
57.5°	2038.8	2047.5	2157.0	2288.7	2527.8	2744.7	2936.4	2921.7	2796.0	2879.1	2713.0
60°	1908.4	1926.6	2077.5	2298.3	2728.2	3163.4	3298.6	3255.5	3076.0	3107.3	2959.1
62.5°	1591.9	1611.9	1779.3	2087.5	2700.4	3615.9	3869.3	3710.7	3425.5	3395.5	3286.8
65°	949.8	949.0	1150.2	1558.9	2357.4	3741.5	4772.6	4476.6	3965.4	3791.1	3624.2
67.5°	603.8	602.5	644.7	825.9	1568.9	3433.8	5353.4	5430.4	4698.7	4081.9	3652.0
70°	476.4	476.0	506.4	589.0	776.0	2443.5	5191.7	5724.2	5141.7	3971.0	3215.5
72.5°	347.3	348.2	395.1	493.4	598.6	1226.7	4204.1	4897.8	4729.2	3505.5	2610.4
75°	249.5	250.8	279.1	377.8	552.1	670.8	2795.6	3682.8	3598.1	2809.9	1795.8
77.5°	158.7	160.4	185.2	264.7	446.0	541.6	1694.9	2600.0	2393.9	1583.2	638.6
80°	96.9	102.6	123.5	197.4	356.5	406.5	847.2	1369.8	1198.9	434.3	214.7
82.5°	50.0	54.3	74.3	122.2	245.6	356.9	479.5	575.6	371.2	181.7	114.3
85°	15.6	18.3	26.1	49.6	116.9	221.3	317.3	286.0	170.4	85.6	53.0
87.5°	3.9	3.9	4.3	4.3	4.8	10.0	61.3	64.8	45.2	27.0	21.7
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°	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1	1644.1
2.5°	1632.8	1622.3	1618.0	1617.5	1606.7	1591.0	1580.6	1573.2	1568.9	1568.0	1568.0
5°	1603.6	1590.2	1572.3	1558.9	1529.7	1500.2	1475.4	1461.5	1445.4	1443.2	1442.8
7.5°	1564.9	1545.4	1511.5	1473.7	1422.8	1373.7	1331.9	1303.7	1275.4	1270.2	1268.5
10°	1523.2	1496.7	1438.9	1372.4	1296.3	1222.8	1158.9	1108.9	1075.9	1052.4	1048.1
12.5°	1481.9	1446.7	1361.9	1262.8	1158.5	1058.1	962.0	880.3	821.2	786.8	780.7
15°	1443.2	1394.1	1278.0	1151.5	1015.9	878.5	742.5	636.4	553.4	523.8	516.9
17.5°	1408.0	1346.7	1196.7	1036.3	867.2	687.7	533.0	438.6	389.9	375.2	371.7
20°	1372.8	1298.0	1114.2	915.1	709.4	508.2	389.5	345.2	326.9	321.2	319.5
22.5°	1335.0	1244.6	1024.2	795.5	549.9	380.4	318.6	299.1	293.4	293.9	293.4
25°	1297.2	1190.2	929.8	665.5	409.5	308.6	278.2	270.8	272.1	276.0	276.9
27.5°	1265.9	1142.0	837.2	523.0	319.9	265.6	251.3	250.8	255.6	260.8	261.7
30°	1243.3	1098.9	746.0	402.1	263.4	236.0	230.4	233.0	238.7	242.6	243.9
32.5°	1227.2	1062.0	648.6	316.0	230.8	215.2	212.6	215.2	218.7	222.6	223.4
35°	1221.5	1035.0	552.9	257.8	208.7	200.0	198.2	199.5	201.3	203.4	204.3
37.5°	1234.1	1021.6	453.0	224.3	195.2	190.0	187.4	186.5	186.9	187.8	188.2
40°	1271.5	1027.6	371.2	204.7	186.5	181.7	177.4	175.6	175.2	176.1	175.6
42.5°	1335.9	1053.3	312.1	193.4	179.5	172.6	167.8	166.1	166.1	168.2	168.2
45°	1430.2	1103.7	269.5	185.2	173.4	164.8	159.5	158.7	160.4	163.9	164.3
47.5°	1568.4	1177.6	243.9	179.1	167.8	157.8	152.6	152.1	155.6	161.3	161.7
50°	1732.3	1284.1	230.0	174.8	163.9	152.1	146.9	147.4	151.3	157.4	158.7
52.5°	1929.7	1429.3	230.8	173.0	161.7	148.7	143.5	142.6	146.5	152.6	153.9
55°	2133.5	1605.8	247.8	173.4	158.7	146.9	140.0	136.9	140.4	144.8	145.2
57.5°	2357.9	1804.9	289.9	172.6	154.8	145.2	136.9	130.0	132.2	134.8	136.1
60°	2610.9	2039.2	380.8	174.3	153.0	141.3	130.8	121.7	121.3	123.0	123.5
62.5°	2949.1	2357.9	483.0	177.4	156.9	136.5	121.7	112.2	110.4	111.3	111.7
65°	3207.7	2510.0	450.8	174.8	165.2	133.0	113.0	103.0	99.5	98.7	98.7
67.5°	3102.5	2308.7	313.9	167.8	169.1	133.5	106.1	93.5	89.1	86.9	86.5
70°	2640.0	1875.3	218.2	160.8	164.8	132.6	98.7	85.6	80.0	76.9	76.5
72.5°	2085.7	1431.9	176.5	146.9	149.5	119.5	87.8	76.9	72.2	68.2	68.2
75°	1342.4	873.8	147.4	130.8	122.2	93.0	76.1	68.7	63.9	60.0	60.0
77.5°	451.7	324.3	114.3	110.9	91.3	70.0	63.9	59.1	55.2	51.7	51.3
80°	183.4	153.9	83.9	83.9	63.9	53.5	50.0	47.8	45.2	40.9	40.9
82.5°	106.5	93.5	58.7	50.9	42.6	37.0	34.8	32.6	32.6	29.6	29.6
85°	51.3	51.7	35.2	31.3	24.3	21.3	20.4	19.1	18.7	17.0	16.5
87.5°	27.8	28.3	17.8	13.9	9.6	8.3	7.0	6.5	6.1	5.7	5.7
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)