

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: P630391

Luminaire Tested: GWS-SA1D-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630391
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-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6077.6 lumens
Efficiency: N/A
Efficacy: 137.2 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

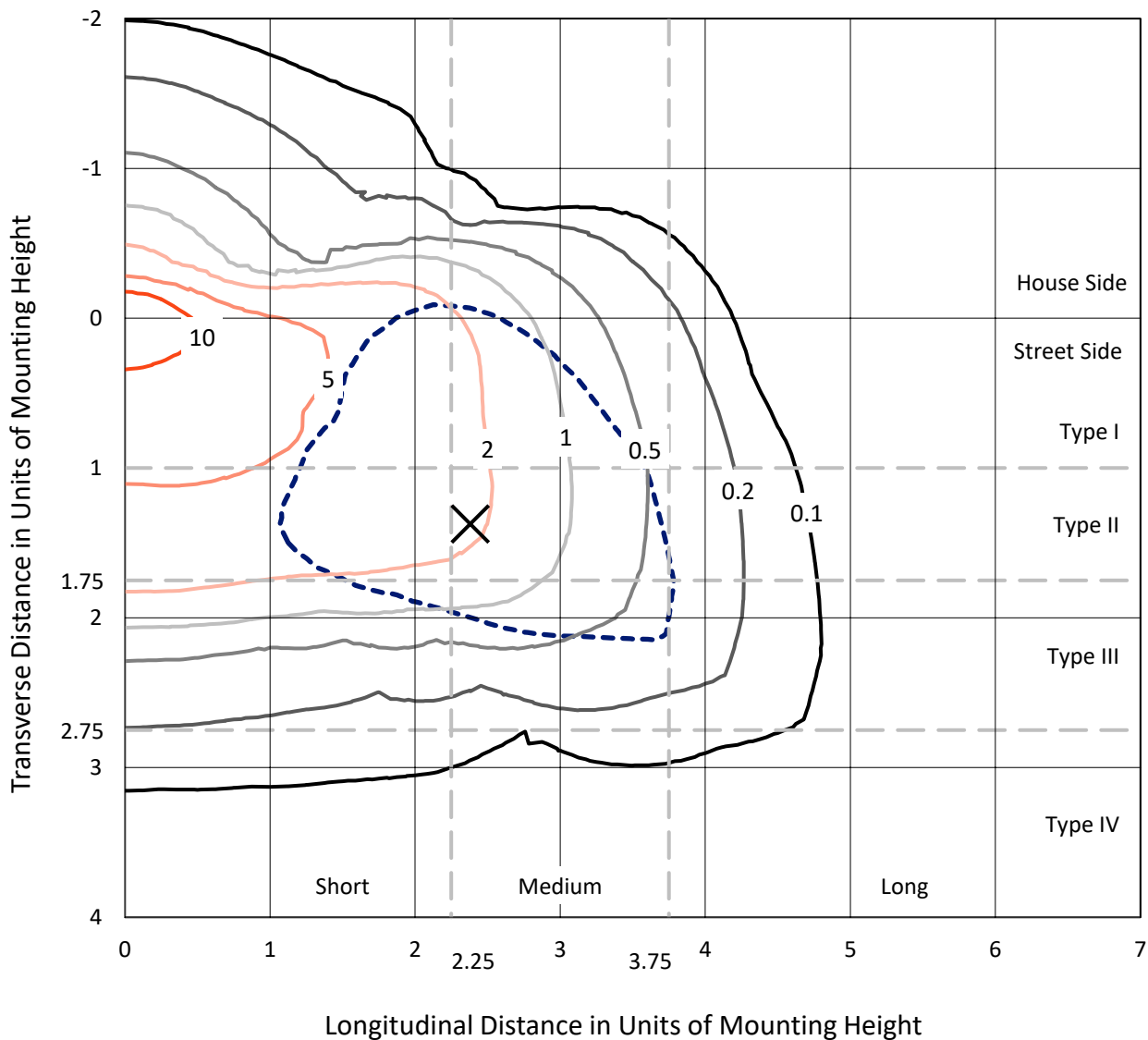
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

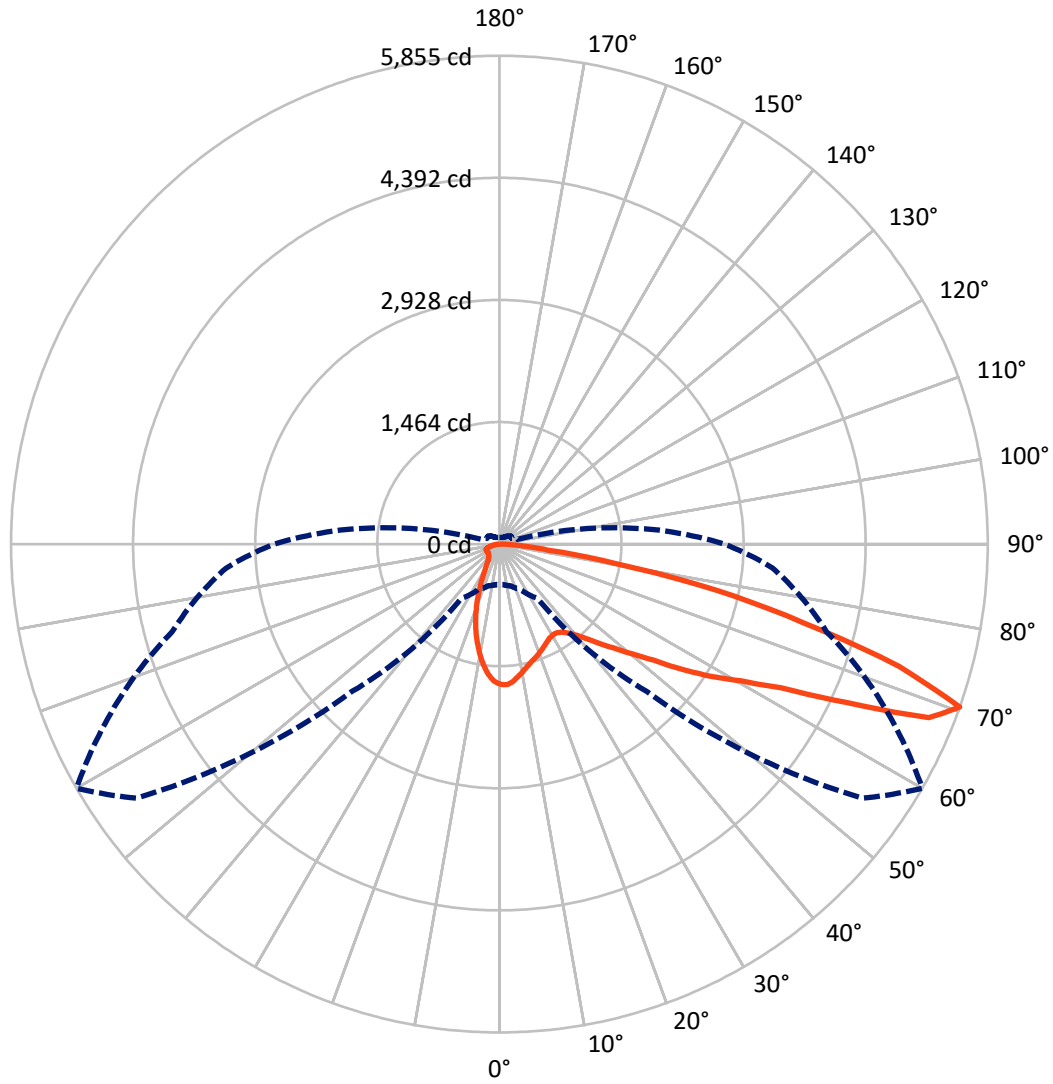
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 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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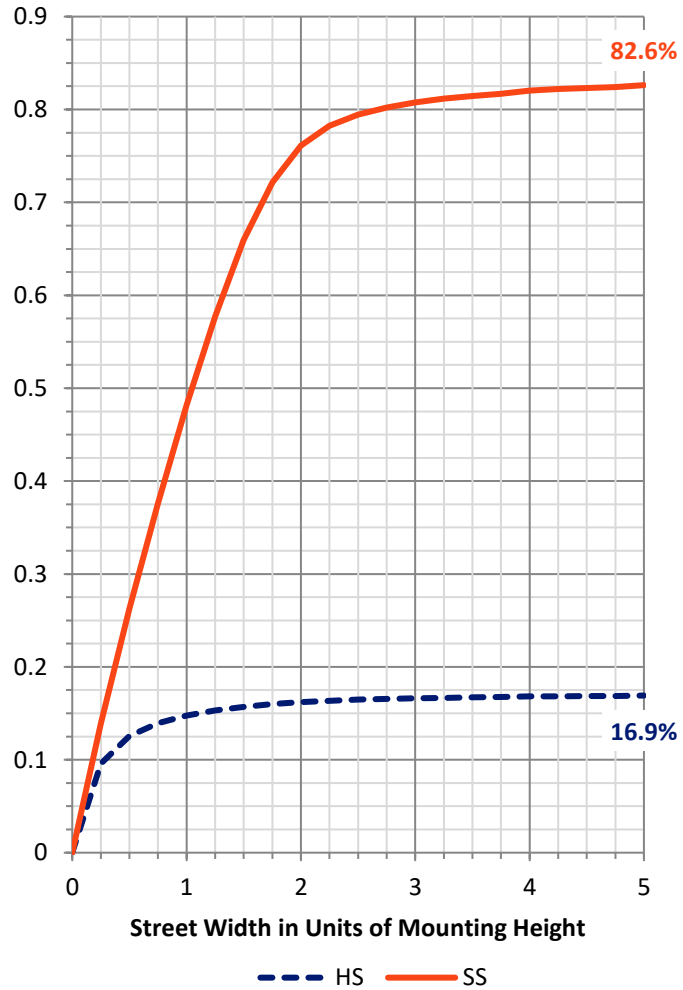
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.4	0.0	1039.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	5038.2	0.0	5038.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	6077.6	0.0	6077.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	2.4
10°-20°	324.8	5.3
20°-30°	415.9	6.8
30°-40°	546.6	9.0
40°-50°	793.0	13.0
50°-60°	1237.3	20.4
60°-70°	1619.9	26.7
70°-80°	895.7	14.7
80°-90°	99.4	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°	6077.6	100.0
0°-180°	6077.6	100.0

Coefficient of Utilization



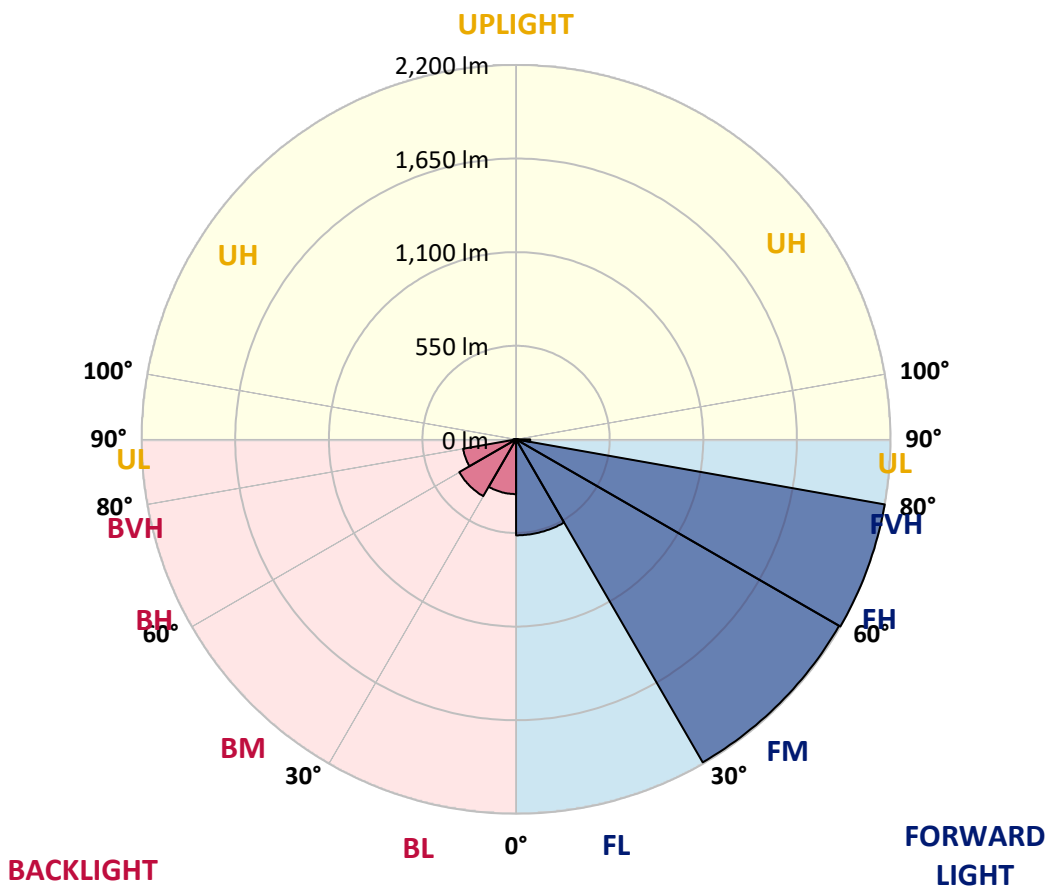
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.0	9.3			
FM (30°-60°)	2191.6	36.1			
FH (60°-80°)	2199.8	36.2			G2/5000
FVH (80°-90°)	82.8	1.4			G1/100
BL (0°-30°)	321.6	5.3	B1/500		
BM (30°-60°)	385.4	6.3	B1/1000		
BH (60°-80°)	315.9	5.2	B1/500		G1/500
BVH (80°-90°)	16.6	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°	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8
2.5°	1658.2	1660.0	1664.9	1672.0	1679.1	1682.6	1691.5	1688.9	1687.1	1683.5	1679.1
5°	1584.8	1588.4	1592.8	1606.6	1622.2	1634.6	1654.6	1656.8	1657.7	1659.5	1652.4
7.5°	1491.4	1492.3	1503.0	1521.2	1541.7	1563.0	1596.4	1605.7	1613.7	1622.6	1616.8
10°	1388.3	1390.5	1398.5	1424.7	1459.9	1491.4	1536.3	1551.9	1568.8	1588.4	1580.4
12.5°	1303.8	1304.2	1317.1	1345.1	1383.4	1426.1	1482.1	1500.8	1523.0	1553.7	1546.6
15°	1236.6	1236.6	1248.6	1272.7	1316.7	1366.9	1433.6	1457.6	1487.9	1529.2	1516.8
17.5°	1183.3	1183.7	1191.3	1216.6	1255.8	1311.3	1390.5	1423.0	1456.3	1511.0	1492.3
20°	1155.3	1153.0	1154.4	1169.9	1203.3	1257.1	1347.4	1385.2	1430.1	1498.5	1470.1
22.5°	1153.9	1149.9	1144.1	1145.5	1165.0	1209.5	1301.1	1346.9	1403.4	1488.3	1447.4
25°	1176.6	1172.2	1161.9	1150.4	1148.6	1175.3	1257.5	1309.6	1375.8	1483.9	1425.6
27.5°	1214.8	1211.7	1198.4	1181.0	1162.8	1161.9	1224.6	1278.9	1355.8	1488.3	1410.1
30°	1265.5	1260.2	1251.8	1229.5	1201.9	1173.5	1211.7	1262.4	1342.5	1502.5	1403.4
32.5°	1322.9	1319.8	1311.8	1289.5	1260.2	1214.8	1222.0	1266.0	1342.5	1527.4	1404.7
35°	1383.8	1383.4	1383.4	1368.7	1336.2	1279.8	1262.4	1296.2	1362.9	1567.5	1418.9
37.5°	1443.0	1442.5	1456.7	1462.1	1425.2	1364.3	1331.3	1356.7	1407.8	1626.6	1454.1
40°	1491.0	1492.8	1523.9	1550.6	1530.1	1473.6	1427.4	1440.3	1480.8	1710.7	1515.4
42.5°	1539.5	1544.3	1591.0	1638.2	1646.2	1597.3	1550.6	1558.1	1585.3	1821.8	1607.0
45°	1592.4	1594.6	1660.0	1725.8	1764.5	1735.6	1697.3	1707.5	1713.8	1959.2	1743.6
47.5°	1643.5	1649.3	1733.8	1824.0	1897.4	1894.7	1873.4	1870.3	1871.6	2126.4	1905.0
50°	1713.3	1721.8	1820.9	1929.9	2037.5	2086.8	2093.1	2069.5	2059.7	2312.3	2106.0
52.5°	1845.8	1845.8	1934.8	2041.9	2186.5	2308.7	2350.5	2311.9	2280.7	2508.8	2319.4
55°	2011.7	2018.8	2089.5	2176.2	2359.4	2542.2	2683.6	2640.9	2552.9	2722.7	2543.1
57.5°	2085.5	2094.4	2206.5	2341.2	2585.8	2807.7	3003.8	2988.6	2860.1	2945.1	2775.2
60°	1952.1	1970.8	2125.1	2351.0	2790.8	3235.9	3374.2	3330.2	3146.5	3178.5	3026.9
62.5°	1628.4	1648.8	1820.0	2135.3	2762.3	3698.8	3958.0	3795.7	3504.0	3473.3	3362.2
65°	971.6	970.7	1176.6	1594.6	2411.5	3827.3	4882.1	4579.2	4056.3	3878.0	3707.2
67.5°	617.6	616.3	659.4	844.9	1604.8	3512.5	5476.1	5554.8	4806.5	4175.5	3735.7
70°	487.4	486.9	518.0	602.5	793.7	2499.5	5310.7	5855.4	5259.6	4062.1	3289.2
72.5°	355.3	356.2	404.2	504.7	612.3	1254.9	4300.4	5010.1	4837.6	3585.8	2670.3
75°	255.2	256.6	285.5	386.4	564.7	686.1	2859.7	3767.3	3680.6	2874.4	1836.9
77.5°	162.3	164.1	189.4	270.8	456.2	554.1	1733.8	2659.6	2448.8	1619.5	653.2
80°	99.2	104.9	126.3	201.9	364.6	415.8	866.7	1401.2	1226.4	444.2	219.7
82.5°	51.1	55.6	76.0	125.0	251.2	365.1	490.5	588.7	379.8	185.9	116.9
85°	16.0	18.7	26.7	50.7	119.6	226.3	324.6	292.6	174.3	87.6	54.3
87.5°	4.0	4.0	4.4	4.4	4.9	10.2	62.7	66.3	46.2	27.6	22.2
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°	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8	1681.8
2.5°	1670.2	1659.5	1655.1	1654.6	1643.5	1627.5	1616.8	1609.3	1604.8	1603.9	1603.9
5°	1640.4	1626.6	1608.4	1594.6	1564.8	1534.6	1509.2	1495.0	1478.5	1476.3	1475.9
7.5°	1600.8	1580.8	1546.1	1507.4	1455.4	1405.2	1362.5	1333.6	1304.7	1299.3	1297.6
10°	1558.1	1531.0	1471.9	1403.8	1326.0	1250.9	1185.5	1134.4	1100.6	1076.6	1072.1
12.5°	1515.9	1479.9	1393.2	1291.8	1185.1	1082.3	984.1	900.5	840.0	804.9	798.6
15°	1476.3	1426.1	1307.3	1177.9	1039.2	898.7	759.5	651.0	566.1	535.8	528.7
17.5°	1440.3	1377.6	1224.2	1060.1	887.1	703.5	545.2	448.7	398.9	383.8	380.2
20°	1404.3	1327.8	1139.7	936.0	725.7	519.8	398.4	353.1	334.4	328.6	326.8
22.5°	1365.6	1273.1	1047.6	813.8	562.5	389.1	325.9	305.9	300.2	300.6	300.2
25°	1326.9	1217.5	951.2	680.8	418.9	315.7	284.6	277.0	278.4	282.4	283.3
27.5°	1294.9	1168.2	856.4	534.9	327.3	271.7	257.0	256.6	261.5	266.8	267.7
30°	1271.8	1124.1	763.1	411.3	269.5	241.5	235.7	238.3	244.1	248.1	249.5
32.5°	1255.3	1086.3	663.5	323.3	236.1	220.1	217.4	220.1	223.7	227.7	228.6
35°	1249.5	1058.8	565.6	263.7	213.4	204.5	202.8	204.1	205.9	208.1	209.0
37.5°	1262.4	1045.0	463.3	229.5	199.7	194.3	191.7	190.8	191.2	192.1	192.5
40°	1300.7	1051.2	379.8	209.4	190.8	185.9	181.4	179.6	179.2	180.1	179.6
42.5°	1366.5	1077.4	319.3	197.9	183.6	176.5	171.6	169.9	169.9	172.1	172.1
45°	1463.0	1129.0	275.7	189.4	177.4	168.5	163.2	162.3	164.1	167.6	168.1
47.5°	1604.4	1204.6	249.5	183.2	171.6	161.4	156.1	155.6	159.2	165.0	165.4
50°	1772.0	1313.6	235.2	178.8	167.6	155.6	150.3	150.7	154.7	161.0	162.3
52.5°	1973.9	1462.1	236.1	177.0	165.4	152.1	146.7	145.9	149.9	156.1	157.4
55°	2182.5	1642.6	253.5	177.4	162.3	150.3	143.2	140.1	143.6	148.1	148.5
57.5°	2411.9	1846.3	296.6	176.5	158.3	148.5	140.1	133.0	135.2	137.8	139.2
60°	2670.7	2086.0	389.5	178.3	156.5	144.5	133.8	124.5	124.1	125.8	126.3
62.5°	3016.7	2411.9	494.0	181.4	160.5	139.6	124.5	114.7	112.9	113.8	114.3
65°	3281.2	2567.5	461.1	178.8	169.0	136.1	115.6	105.4	101.8	100.9	100.9
67.5°	3173.6	2361.7	321.1	171.6	173.0	136.5	108.5	95.6	91.2	88.9	88.5
70°	2700.5	1918.3	223.2	164.5	168.5	135.6	100.9	87.6	81.8	78.7	78.3
72.5°	2133.5	1464.8	180.5	150.3	153.0	122.3	89.8	78.7	73.8	69.8	69.8
75°	1373.1	893.8	150.7	133.8	125.0	95.2	77.8	70.3	65.4	61.4	61.4
77.5°	462.0	331.7	116.9	113.4	93.4	71.6	65.4	60.5	56.5	52.9	52.5
80°	187.7	157.4	85.8	85.8	65.4	54.7	51.1	48.9	46.2	41.8	41.8
82.5°	108.9	95.6	60.0	52.0	43.6	37.8	35.6	33.4	33.4	30.2	30.2
85°	52.5	52.9	36.0	32.0	24.9	21.8	20.9	19.6	19.1	17.3	16.9
87.5°	28.5	28.9	18.2	14.2	9.8	8.4	7.1	6.7	6.2	5.8	5.8
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)