

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: P630937

Luminaire Tested: GWS-SA1E-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7512.6 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

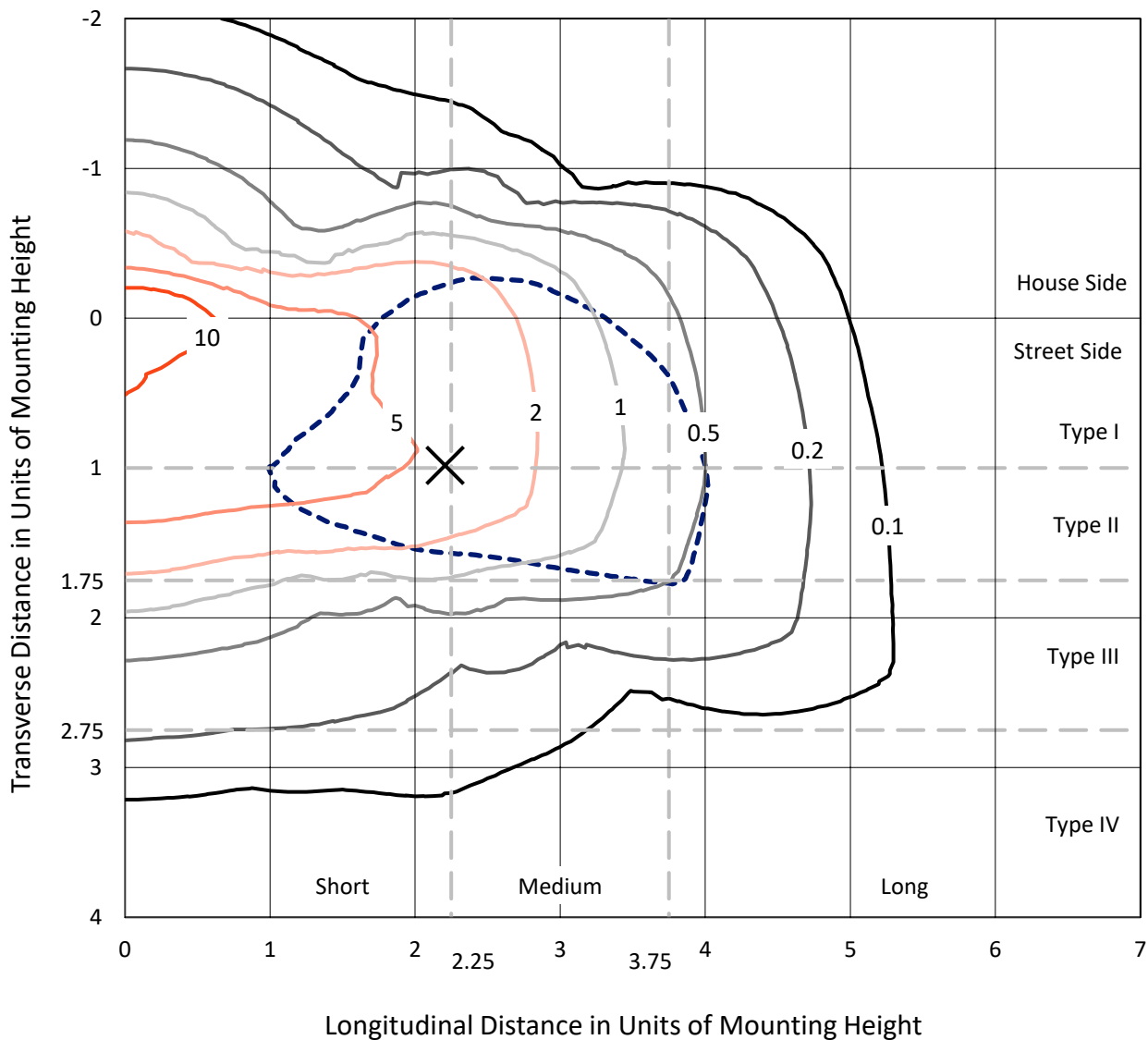
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

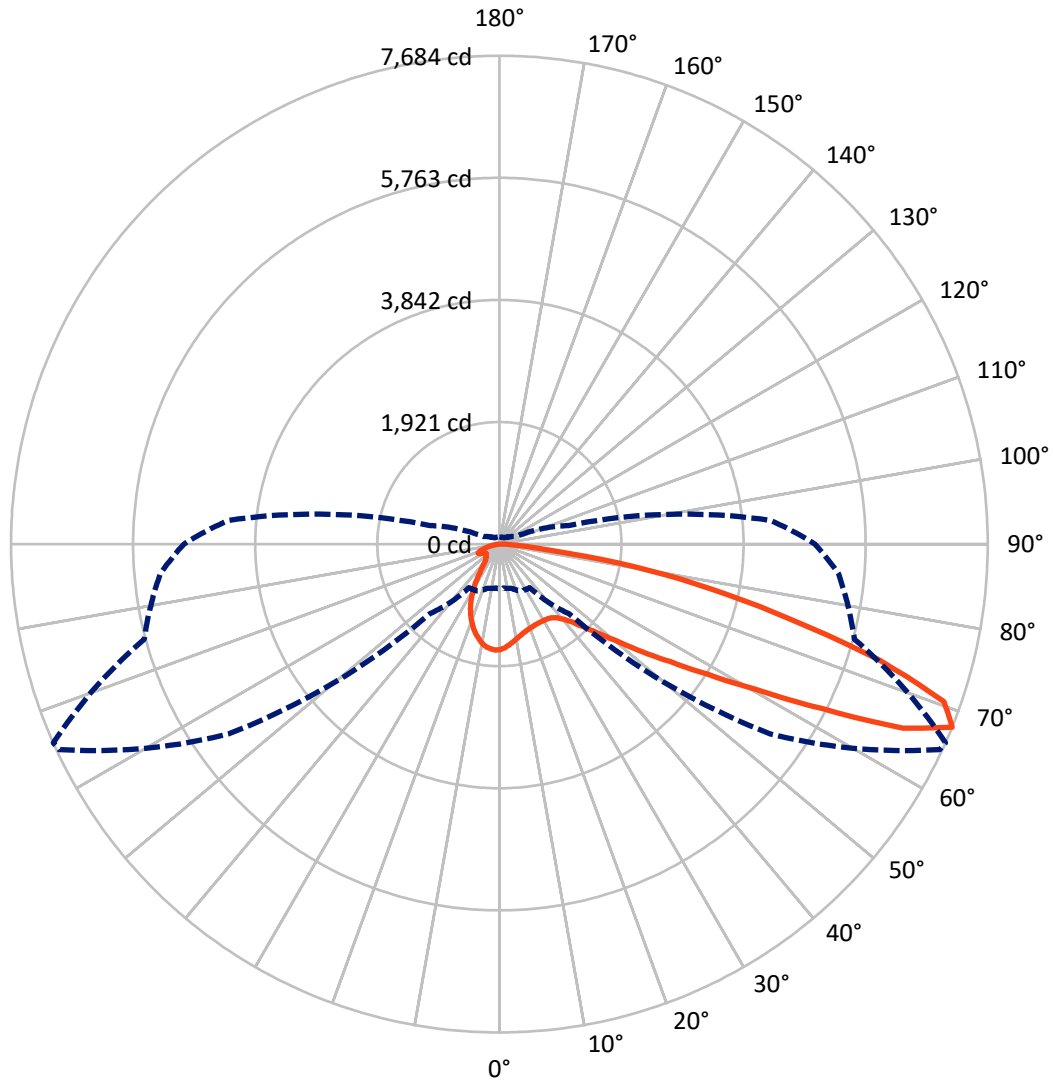
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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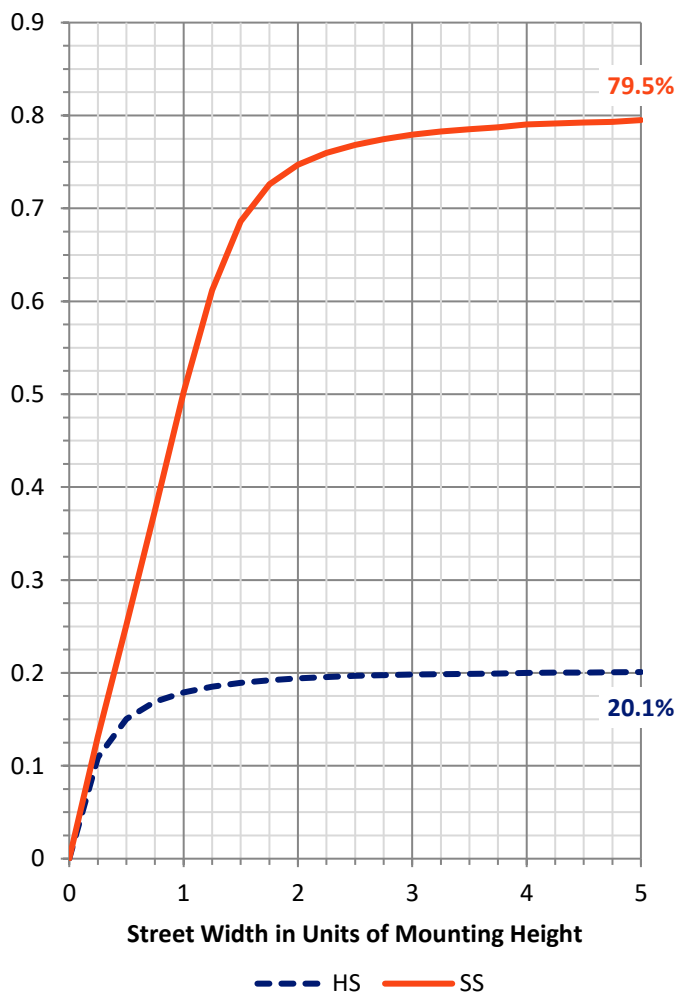
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1524.5	0.0	1524.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5988.1	0.0	5988.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	7512.6	0.0	7512.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	1.9
10°-20°	358.1	4.8
20°-30°	492.2	6.6
30°-40°	672.9	9.0
40°-50°	1019.6	13.6
50°-60°	1584.9	21.1
60°-70°	1929.6	25.7
70°-80°	1175.4	15.6
80°-90°	134.3	1.8
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°	7512.6	100.0
0°-180°	7512.6	100.0

Coefficient of Utilization



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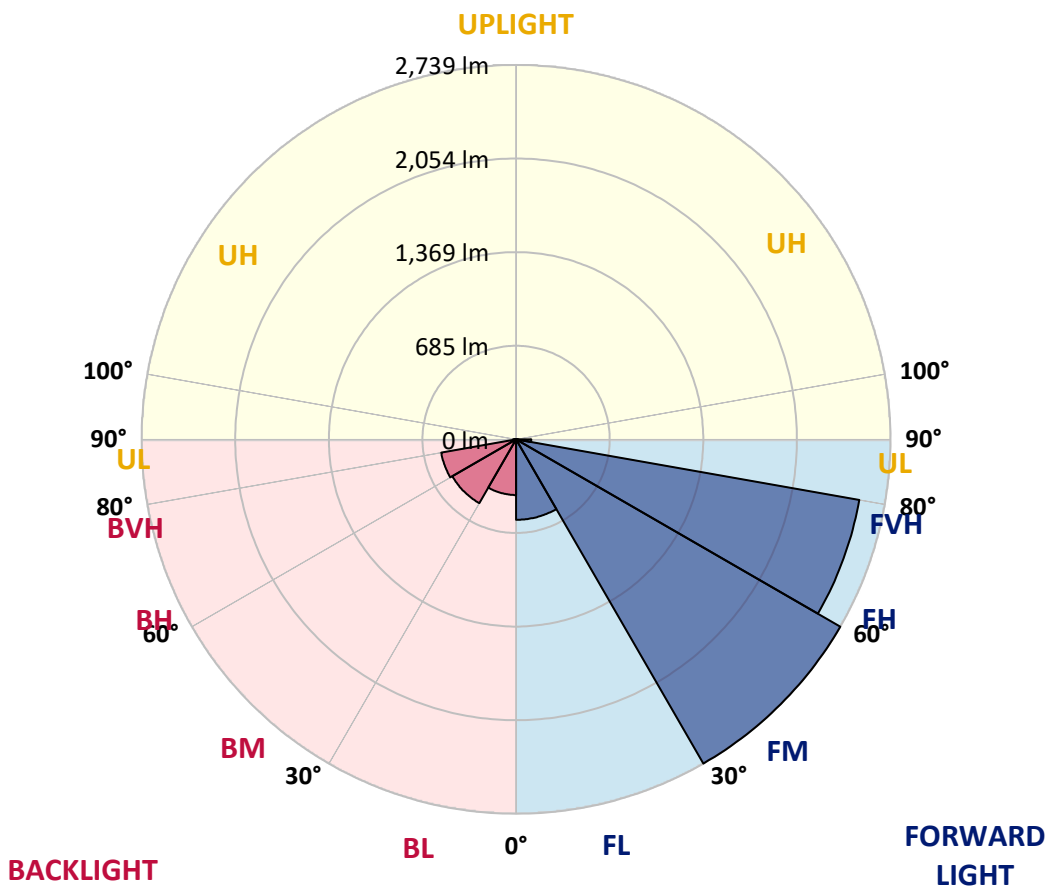
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.6	7.8			
FM (30°-60°)	2738.6	36.5			
FH (60°-80°)	2549.2	33.9			G2/5000
FVH (80°-90°)	111.6	1.5			G2/225
BL (0°-30°)	407.3	5.4	B1/500		
BM (30°-60°)	538.7	7.2	B1/1000		
BH (60°-80°)	555.8	7.4	B2/1000		G2/1000
BVH (80°-90°)	22.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1
2.5°	1554.8	1560.3	1557.0	1577.9	1579.0	1605.3	1620.1	1632.7	1633.8	1650.2	1661.2
5°	1448.5	1451.8	1451.8	1471.5	1484.7	1519.8	1553.7	1589.9	1592.7	1632.1	1662.3
7.5°	1362.5	1365.8	1363.6	1389.9	1406.9	1445.8	1489.1	1544.4	1549.9	1613.5	1666.1
10°	1295.1	1294.0	1299.4	1323.6	1345.5	1392.1	1440.3	1503.3	1511.5	1592.1	1670.5
12.5°	1249.0	1250.1	1253.4	1278.6	1302.2	1348.2	1398.1	1466.6	1475.4	1567.4	1668.3
15°	1227.1	1224.9	1227.7	1250.7	1273.1	1313.7	1365.2	1435.9	1444.7	1545.5	1668.8
17.5°	1222.2	1220.5	1220.0	1236.4	1253.4	1291.2	1340.6	1412.3	1421.7	1531.3	1672.1
20°	1237.5	1235.3	1229.3	1236.4	1243.5	1275.3	1323.0	1395.4	1405.8	1522.0	1678.7
22.5°	1279.7	1275.9	1266.6	1257.8	1248.5	1267.7	1312.1	1382.8	1393.2	1515.9	1685.3
25°	1343.8	1340.6	1330.7	1311.0	1277.0	1273.7	1309.9	1377.3	1387.7	1511.5	1688.0
27.5°	1432.1	1427.1	1417.3	1388.8	1333.4	1296.2	1318.1	1376.7	1386.6	1506.6	1685.3
30°	1536.8	1533.5	1528.0	1493.5	1419.5	1343.8	1336.7	1381.1	1388.8	1503.9	1679.8
32.5°	1643.1	1639.8	1644.2	1627.7	1536.8	1422.8	1377.3	1393.2	1398.6	1503.3	1674.9
35°	1736.8	1740.6	1772.4	1775.2	1685.8	1529.6	1441.4	1421.1	1422.2	1514.3	1677.1
37.5°	1834.9	1849.7	1891.4	1927.0	1852.4	1671.0	1536.8	1473.7	1472.6	1542.2	1690.8
40°	1964.8	1971.4	2024.5	2091.4	2044.8	1865.0	1672.1	1559.8	1552.1	1599.2	1727.5
42.5°	2091.4	2107.3	2192.2	2269.0	2253.6	2083.7	1842.6	1688.6	1674.9	1700.1	1803.1
45°	2252.5	2267.9	2363.2	2461.9	2489.8	2330.9	2060.7	1871.6	1857.9	1851.9	1941.8
47.5°	2413.7	2429.5	2515.0	2657.5	2755.6	2640.0	2344.6	2113.3	2090.8	2067.3	2151.1
50°	2522.2	2540.8	2622.5	2793.5	3023.6	3025.8	2681.1	2430.1	2401.6	2364.3	2446.0
52.5°	2518.3	2530.4	2608.2	2805.5	3216.6	3469.2	3131.6	2833.5	2810.4	2729.3	2800.6
55°	2320.5	2338.6	2416.9	2663.6	3237.4	3889.6	3793.7	3309.2	3268.1	3122.8	3201.2
57.5°	1923.1	1938.5	2017.4	2321.6	3052.7	4105.0	4634.4	3915.3	3858.9	3551.4	3641.9
60°	1451.8	1433.2	1470.4	1736.8	2611.0	4110.4	5376.5	4737.4	4643.2	4009.6	4085.2
62.5°	1089.5	1070.9	1079.1	1154.2	1770.2	3778.3	5799.6	5862.0	5706.4	4527.0	4512.2
65°	861.0	850.6	874.2	925.7	1032.0	2877.3	5802.9	7078.2	6980.1	5126.5	4950.1
67.5°	701.5	694.9	719.1	814.4	836.9	1546.1	5203.3	7646.0	7684.3	5783.1	5356.2
70°	565.0	555.2	593.0	718.5	778.2	935.5	3727.4	7356.6	7418.5	6174.4	5241.6
72.5°	390.2	390.8	409.9	582.0	751.4	807.8	2108.4	6125.7	6259.9	5819.8	4608.1
75°	263.1	265.3	270.7	384.2	692.2	783.7	1123.5	4637.7	4732.5	4810.3	3809.0
77.5°	158.9	160.0	172.6	232.4	477.4	731.7	761.3	3361.8	3436.3	3171.1	2361.0
80°	92.1	95.9	107.4	155.6	322.3	549.7	589.2	2061.3	2145.7	1409.6	750.3
82.5°	40.6	43.3	58.6	90.4	188.0	467.5	459.8	814.4	802.4	393.0	260.3
85°	7.1	8.8	12.6	28.5	69.1	246.6	356.8	359.5	338.2	149.1	108.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	53.7	96.5	95.9	42.2	37.3
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°	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1
2.5°	1668.3	1653.5	1666.6	1668.3	1665.6	1663.4	1646.9	1632.7	1631.0	1615.7	1615.7
5°	1674.3	1660.6	1667.2	1654.6	1634.9	1614.6	1579.5	1555.4	1544.4	1524.7	1524.7
7.5°	1682.5	1668.3	1660.6	1629.4	1583.3	1539.0	1482.5	1435.4	1416.2	1388.2	1387.1
10°	1690.2	1672.1	1645.8	1585.0	1511.5	1440.8	1358.6	1291.8	1246.3	1212.9	1212.9
12.5°	1689.7	1666.1	1614.0	1524.2	1422.8	1320.3	1210.7	1109.8	1049.5	997.5	994.2
15°	1688.6	1656.2	1573.5	1453.5	1319.2	1177.2	1028.2	896.6	807.3	756.3	751.9
17.5°	1687.5	1643.6	1528.0	1372.9	1193.1	999.7	802.9	660.4	585.9	554.6	555.7
20°	1687.5	1629.4	1479.2	1280.3	1047.9	787.0	589.2	485.6	466.9	468.6	470.2
22.5°	1682.5	1611.8	1425.0	1179.4	886.2	578.8	434.6	399.5	409.4	424.7	426.9
25°	1671.0	1582.8	1361.9	1067.6	693.8	421.5	354.6	348.0	366.1	385.3	390.8
27.5°	1652.9	1549.4	1291.2	936.6	510.8	338.7	311.8	311.3	325.5	339.8	344.7
30°	1633.8	1512.1	1216.7	790.8	369.9	294.9	284.4	284.4	291.6	300.3	299.2
32.5°	1611.3	1474.3	1136.7	639.0	301.4	270.2	266.9	265.3	266.4	269.6	269.6
35°	1592.1	1440.8	1054.5	478.5	270.2	256.5	253.2	249.4	247.7	245.5	246.6
37.5°	1585.0	1414.5	969.5	360.6	254.8	246.6	241.1	235.7	231.8	230.7	230.2
40°	1596.5	1403.6	884.6	297.0	243.9	236.2	230.2	223.1	219.8	219.8	219.8
42.5°	1641.4	1411.8	798.0	268.5	236.2	227.4	218.7	212.1	211.0	212.1	212.6
45°	1723.6	1443.6	708.1	254.3	229.6	218.7	208.3	203.3	203.3	204.4	204.4
47.5°	1870.5	1526.9	619.3	245.5	223.1	211.6	200.6	195.7	195.1	196.2	196.2
50°	2124.8	1677.1	539.3	239.5	218.1	206.1	195.1	188.5	186.9	186.3	186.3
52.5°	2445.4	1937.4	488.3	235.1	212.1	200.0	189.1	180.3	177.0	175.4	175.4
55°	2832.9	2284.3	488.3	231.8	204.4	192.9	180.3	171.5	166.6	164.4	164.4
57.5°	3271.9	2688.2	572.7	229.1	198.4	184.7	171.0	162.2	156.7	153.5	153.5
60°	3718.6	3115.2	781.5	225.3	192.9	174.3	160.6	152.4	145.2	141.4	140.9
62.5°	4181.7	3585.4	1056.7	227.4	189.1	164.4	149.6	140.3	134.3	130.4	129.9
65°	4605.9	4033.2	1297.3	244.4	189.6	155.6	137.0	128.8	123.9	118.9	118.4
67.5°	4966.0	4280.3	1128.5	279.0	201.1	145.2	124.4	116.2	111.8	108.5	108.0
70°	4713.9	3903.3	640.1	300.3	217.0	134.3	110.2	104.7	100.3	98.1	97.6
72.5°	4031.0	3304.8	428.0	265.3	197.8	120.0	97.0	92.6	89.3	86.6	86.0
75°	3265.3	2620.8	327.2	217.6	154.0	97.6	83.3	80.0	76.7	74.0	73.4
77.5°	1931.9	1514.3	241.1	172.1	108.5	76.2	69.1	66.3	63.0	60.8	60.3
80°	616.6	526.1	152.9	118.4	71.8	58.6	53.2	51.0	47.7	44.9	44.4
82.5°	235.1	203.3	81.1	60.3	47.7	40.0	35.6	33.4	31.2	28.5	28.0
85°	104.1	97.6	44.9	32.3	25.8	19.7	17.5	16.4	13.7	11.5	11.0
87.5°	36.7	36.7	19.2	9.3	5.5	2.7	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)