

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: P631820

Luminaire Tested: GWS-SA2B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5589.4 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

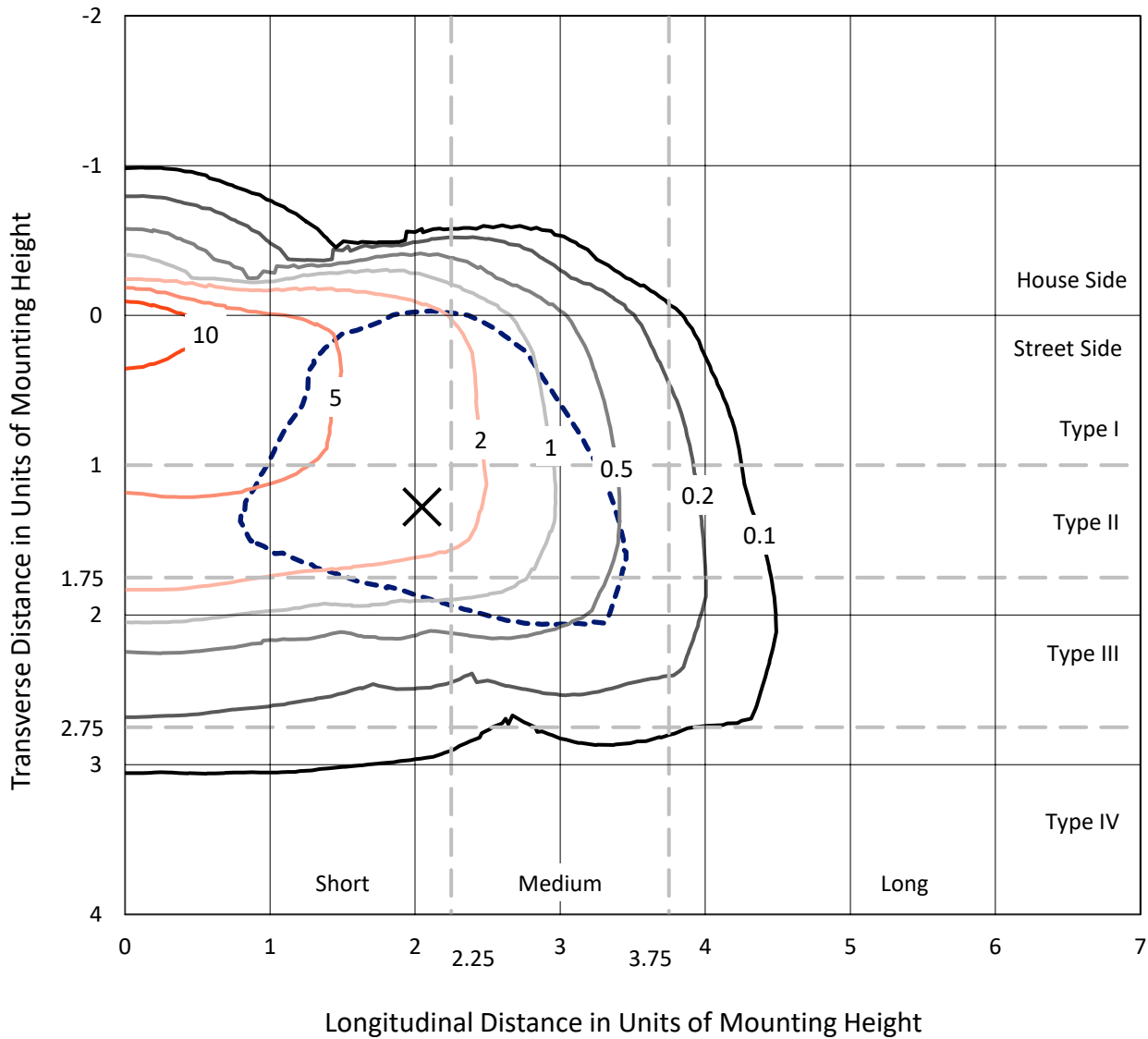
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

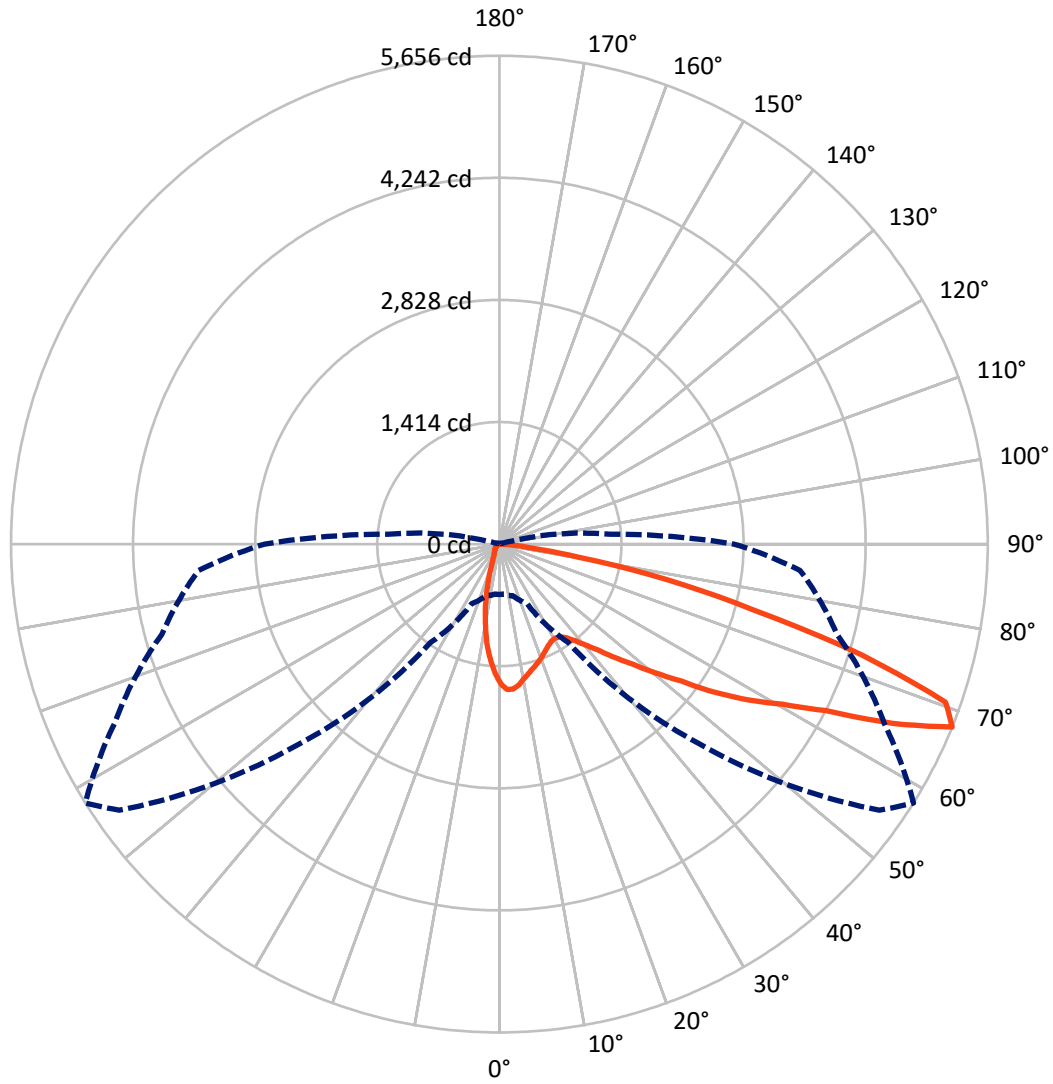
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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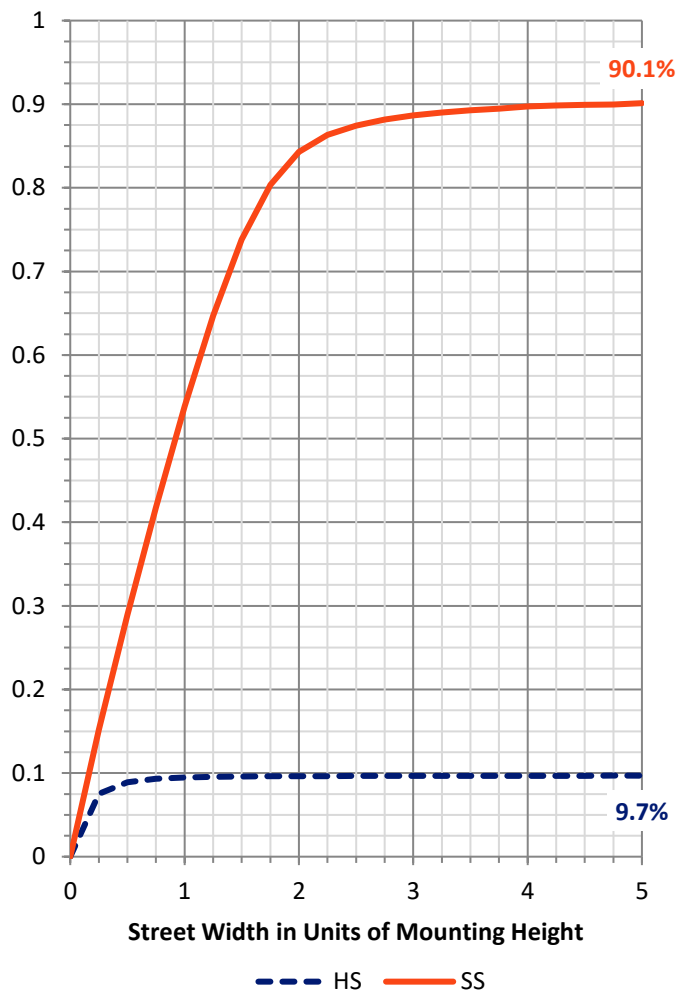
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.0	0.0	546.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5043.3	0.0	5043.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	5589.4	0.0	5589.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	2.3
10°-20°	272.7	4.9
20°-30°	367.8	6.6
30°-40°	516.8	9.2
40°-50°	798.1	14.3
50°-60°	1276.3	22.8
60°-70°	1511.3	27.0
70°-80°	668.6	12.0
80°-90°	46.7	0.8
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°	5589.4	100.0
0°-180°	5589.4	100.0

Coefficient of Utilization



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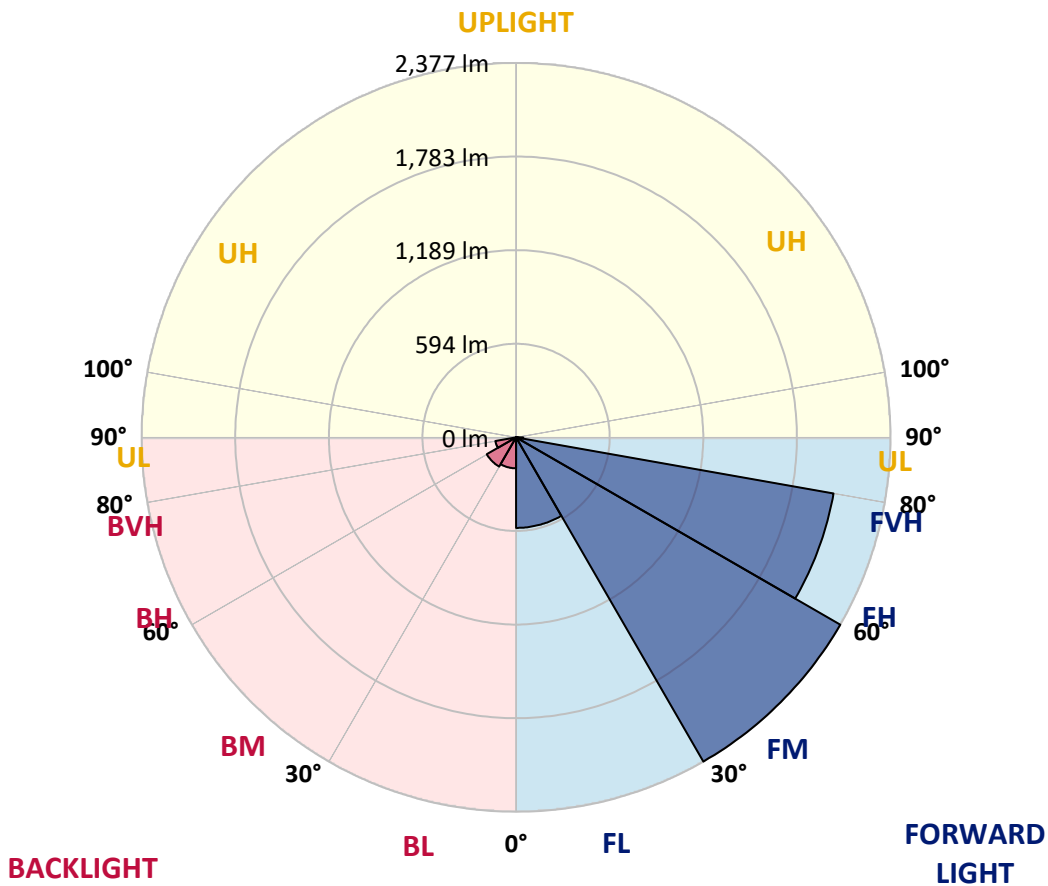
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.0	10.3			
FM (30°-60°)	2377.0	42.5			
FH (60°-80°)	2046.5	36.6			G2/5000
FVH (80°-90°)	44.7	0.8			G1/100
BL (0°-30°)	196.5	3.5	B1/500		
BM (30°-60°)	214.2	3.8	B0/220		
BH (60°-80°)	133.3	2.4	B1/500		G1/500
BVH (80°-90°)	2.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2
2.5°	1695.9	1698.8	1702.8	1707.7	1706.7	1702.3	1696.8	1684.5	1676.6	1651.8	1621.6
5°	1641.4	1640.9	1650.8	1660.2	1677.1	1686.0	1698.3	1686.9	1683.0	1653.3	1604.3
7.5°	1535.1	1540.5	1551.9	1566.7	1591.0	1617.2	1646.9	1643.4	1655.3	1635.5	1574.6
10°	1430.7	1427.7	1445.5	1467.8	1504.9	1538.5	1581.6	1581.1	1612.2	1610.3	1541.0
12.5°	1339.2	1338.7	1352.5	1377.8	1421.3	1468.3	1526.7	1528.1	1566.7	1582.6	1512.3
15°	1262.0	1263.0	1276.3	1302.6	1347.6	1405.0	1472.7	1485.1	1528.6	1560.8	1484.1
17.5°	1207.1	1207.6	1215.5	1238.2	1282.3	1343.6	1425.2	1442.1	1498.0	1544.5	1461.4
20°	1181.9	1179.9	1181.4	1192.7	1226.9	1282.8	1376.8	1398.5	1469.8	1533.1	1440.6
22.5°	1185.3	1182.3	1175.4	1173.9	1189.3	1231.8	1325.3	1352.0	1439.1	1526.2	1421.8
25°	1216.0	1209.6	1199.7	1184.8	1178.9	1200.2	1280.3	1308.0	1410.4	1526.7	1407.4
27.5°	1263.0	1256.1	1243.7	1223.9	1200.7	1191.7	1249.6	1275.8	1390.1	1538.0	1400.5
30°	1322.8	1317.4	1305.5	1281.8	1250.6	1214.0	1243.2	1265.0	1380.2	1561.3	1403.5
32.5°	1393.6	1389.6	1379.7	1358.0	1322.3	1266.4	1265.0	1281.8	1388.1	1594.9	1414.9
35°	1461.9	1463.3	1463.8	1452.0	1413.9	1346.1	1324.8	1330.8	1420.8	1645.4	1440.6
37.5°	1535.6	1532.1	1549.9	1558.3	1521.7	1449.5	1417.3	1417.8	1483.1	1720.1	1489.1
40°	1591.5	1592.5	1631.0	1665.7	1650.3	1580.6	1534.6	1534.1	1579.1	1822.5	1567.2
42.5°	1643.9	1650.3	1707.2	1766.6	1787.9	1726.0	1692.9	1680.5	1713.7	1961.0	1684.5
45°	1699.8	1709.2	1788.9	1873.4	1929.4	1892.7	1866.5	1871.5	1875.4	2122.3	1842.3
47.5°	1765.1	1771.0	1869.5	1988.7	2093.1	2083.7	2085.2	2079.2	2077.3	2325.6	2051.0
50°	1844.3	1858.1	1971.4	2113.9	2256.4	2318.7	2339.5	2341.9	2309.8	2547.2	2267.2
52.5°	2012.5	2029.3	2126.2	2250.9	2434.4	2565.5	2650.1	2633.3	2583.8	2761.9	2504.2
55°	2210.8	2223.7	2317.2	2446.3	2652.1	2836.1	3037.0	3030.1	2908.9	2988.0	2699.1
57.5°	2229.6	2244.0	2388.9	2586.8	2931.6	3170.6	3381.8	3404.1	3226.5	3148.3	2873.2
60°	2018.4	2047.6	2245.5	2511.6	3038.5	3620.3	3759.8	3764.2	3459.5	3311.1	3086.0
62.5°	1617.7	1631.5	1830.9	2178.2	2873.7	3882.4	4337.1	4243.1	3758.8	3562.9	3422.9
65°	847.9	904.3	1078.0	1462.3	2330.6	3790.9	5031.6	5005.9	4297.0	3923.5	3685.1
67.5°	581.8	581.3	622.3	762.3	1389.6	3264.1	5372.5	5655.5	4919.4	4047.2	3495.1
70°	442.8	444.2	480.9	571.9	719.8	2172.7	4998.5	5482.3	5035.1	3674.7	2826.7
72.5°	293.9	296.8	357.7	462.1	574.8	1065.1	3884.4	4386.6	4236.7	2951.4	1989.7
75°	175.6	178.1	221.6	335.9	511.0	596.1	2468.1	3032.5	2916.3	2034.2	1066.6
77.5°	72.2	74.2	113.8	209.3	374.0	463.0	1364.9	1984.3	1746.8	808.8	291.4
80°	30.2	31.2	54.9	146.4	269.6	290.4	632.2	932.5	715.8	174.1	89.0
82.5°	10.9	11.4	20.3	80.6	167.7	218.7	319.1	368.6	201.8	56.9	48.0
85°	0.5	0.5	4.9	27.2	63.8	61.8	182.5	176.6	66.8	23.7	28.7
87.5°	0.0	0.0	0.5	0.5	1.0	2.5	17.3	30.7	14.3	5.9	12.4
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°	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2
2.5°	1601.9	1575.6	1546.9	1520.2	1477.7	1452.5	1421.3	1407.4	1387.6	1382.7	1385.7
5°	1569.2	1524.2	1455.4	1393.1	1312.5	1247.6	1182.3	1154.6	1119.0	1095.3	1085.4
7.5°	1523.2	1464.3	1357.0	1243.7	1132.9	1014.6	924.6	865.2	811.3	781.6	775.7
10°	1476.7	1400.0	1246.2	1083.9	912.2	770.8	649.1	559.0	485.8	452.7	426.9
12.5°	1428.7	1333.2	1133.4	921.6	722.3	529.3	378.9	291.4	238.9	218.2	221.6
15°	1384.7	1268.9	1021.6	759.4	508.6	319.6	209.3	176.6	164.2	160.3	159.8
17.5°	1342.6	1208.1	910.3	601.6	335.4	195.9	160.3	152.4	148.9	146.9	146.9
20°	1304.5	1149.7	801.4	453.2	216.7	155.3	144.9	141.0	138.0	136.5	136.5
22.5°	1268.9	1093.3	695.1	320.6	159.8	139.5	133.1	129.1	125.7	123.7	123.7
25°	1236.8	1042.3	593.6	220.6	137.5	127.6	120.7	116.3	110.3	106.9	106.9
27.5°	1213.5	996.8	496.2	160.8	124.2	114.8	106.9	100.9	94.5	90.5	89.5
30°	1199.7	958.2	397.7	132.1	111.8	102.4	93.5	86.1	78.7	74.7	74.2
32.5°	1191.7	922.6	307.7	115.3	101.4	90.5	80.6	72.7	65.3	60.8	60.4
35°	1194.7	894.9	230.5	103.9	91.5	80.1	69.3	61.3	54.9	51.0	50.0
37.5°	1220.4	882.6	173.1	95.0	83.1	71.2	59.9	52.4	46.5	43.5	43.0
40°	1270.4	885.0	136.0	88.1	76.2	62.3	51.4	44.5	40.1	37.6	37.1
42.5°	1348.1	905.8	112.3	82.1	68.8	54.4	44.5	39.1	34.6	32.2	31.7
45°	1463.8	948.8	98.0	75.2	60.8	47.0	38.6	33.6	29.7	26.7	26.2
47.5°	1631.5	1023.5	88.6	68.8	53.9	40.6	33.1	28.2	24.7	22.3	21.8
50°	1810.1	1113.1	80.6	62.3	48.0	35.1	28.2	23.3	20.3	17.8	17.3
52.5°	2000.6	1209.6	74.7	56.4	42.5	30.2	23.7	19.3	16.3	13.9	13.4
55°	2183.6	1306.5	67.8	52.4	36.1	25.7	19.8	15.8	12.9	10.9	10.9
57.5°	2361.7	1395.6	60.4	46.0	29.7	21.8	16.3	12.9	10.4	8.9	8.4
60°	2574.4	1518.7	51.9	39.1	24.7	18.3	13.4	10.4	8.4	6.9	6.9
62.5°	2890.6	1646.9	44.5	32.7	20.8	15.3	10.9	8.4	6.9	5.9	5.4
65°	2994.0	1577.6	37.6	26.7	16.8	12.4	8.9	7.4	5.9	5.4	4.9
67.5°	2717.9	1293.2	31.2	21.8	13.9	10.4	7.9	6.4	5.4	4.9	4.5
70°	2120.8	917.7	24.2	16.3	11.4	8.4	6.9	5.9	4.9	4.5	4.5
72.5°	1442.6	542.7	19.3	12.4	9.4	7.4	5.9	5.4	4.9	4.5	4.0
75°	710.4	192.9	14.8	9.4	7.4	6.4	5.4	4.9	4.5	4.0	4.0
77.5°	191.5	53.4	11.4	7.4	5.9	4.9	4.9	4.9	4.5	3.5	3.5
80°	64.8	22.3	8.4	5.4	4.9	4.0	3.5	4.5	4.0	3.5	3.0
82.5°	35.6	10.9	5.9	4.5	3.5	3.0	3.0	3.0	3.0	2.5	2.5
85°	22.8	5.9	4.0	3.5	3.5	2.5	2.0	2.0	1.5	1.5	1.5
87.5°	10.4	3.5	3.5	3.0	3.0	2.5	1.5	1.0	0.5	0.5	0.5
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)