

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: P631930

Luminaire Tested: GWS-SA2B-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631930
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.2 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

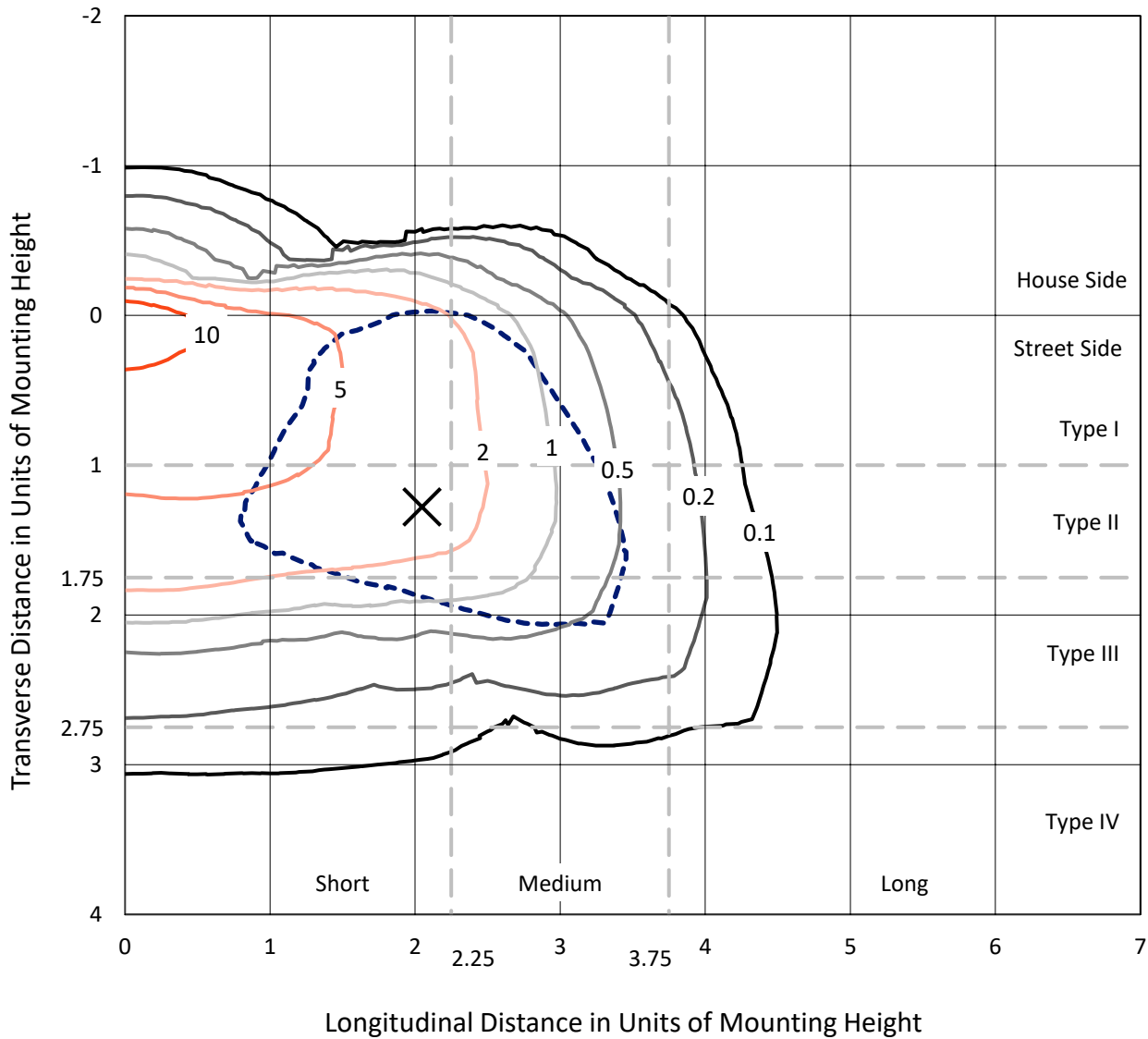
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

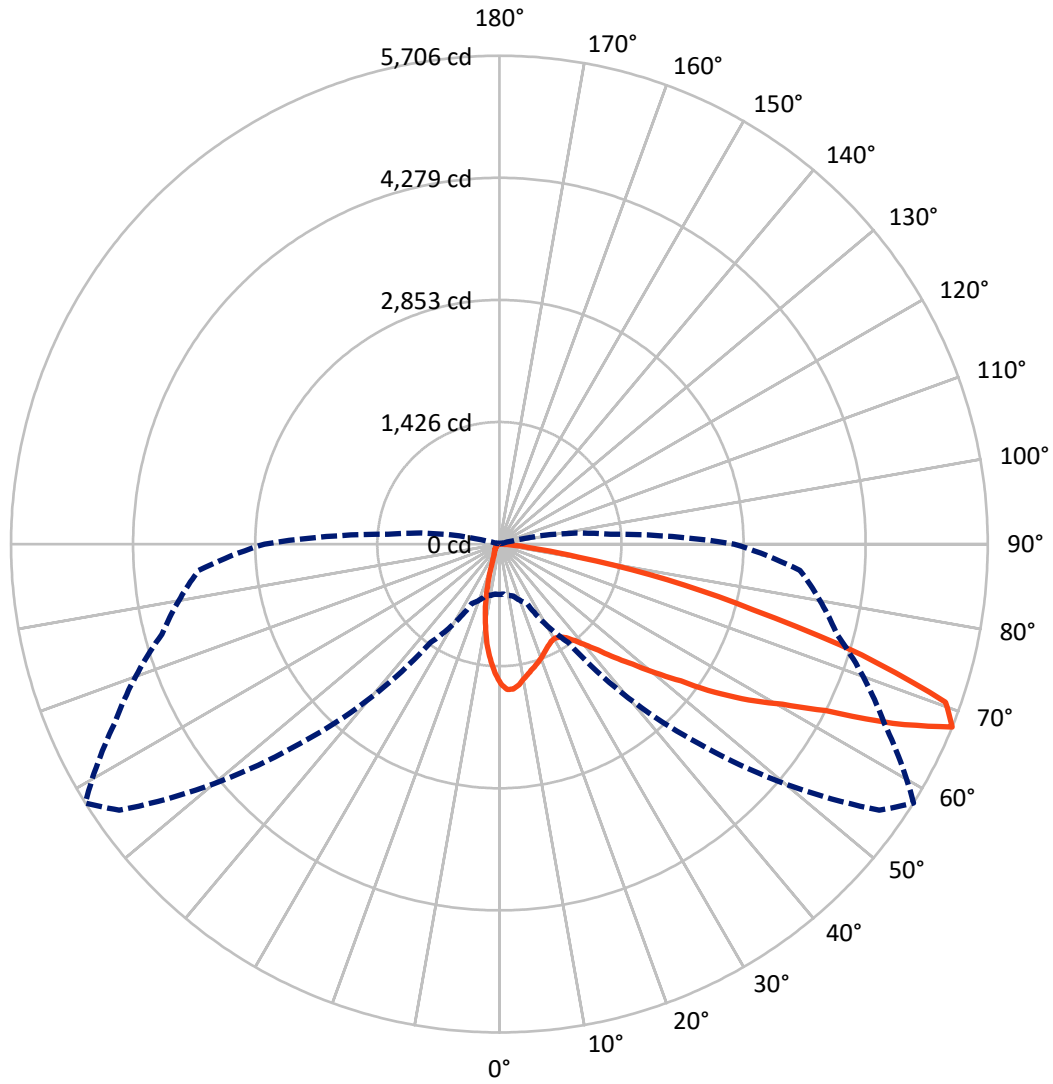
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 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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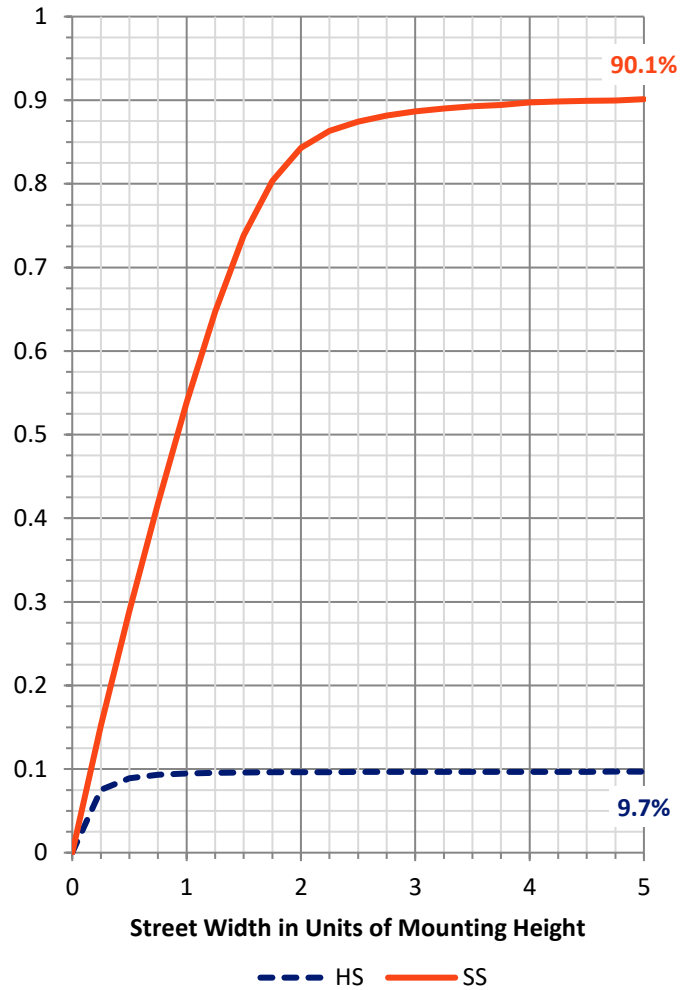
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	550.9	0.0	550.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5088.3	0.0	5088.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	5639.2	0.0	5639.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	2.3
10°-20°	275.1	4.9
20°-30°	371.1	6.6
30°-40°	521.4	9.2
40°-50°	805.3	14.3
50°-60°	1287.7	22.8
60°-70°	1524.8	27.0
70°-80°	674.5	12.0
80°-90°	47.2	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°	5639.2	100.0
0°-180°	5639.2	100.0

Coefficient of Utilization



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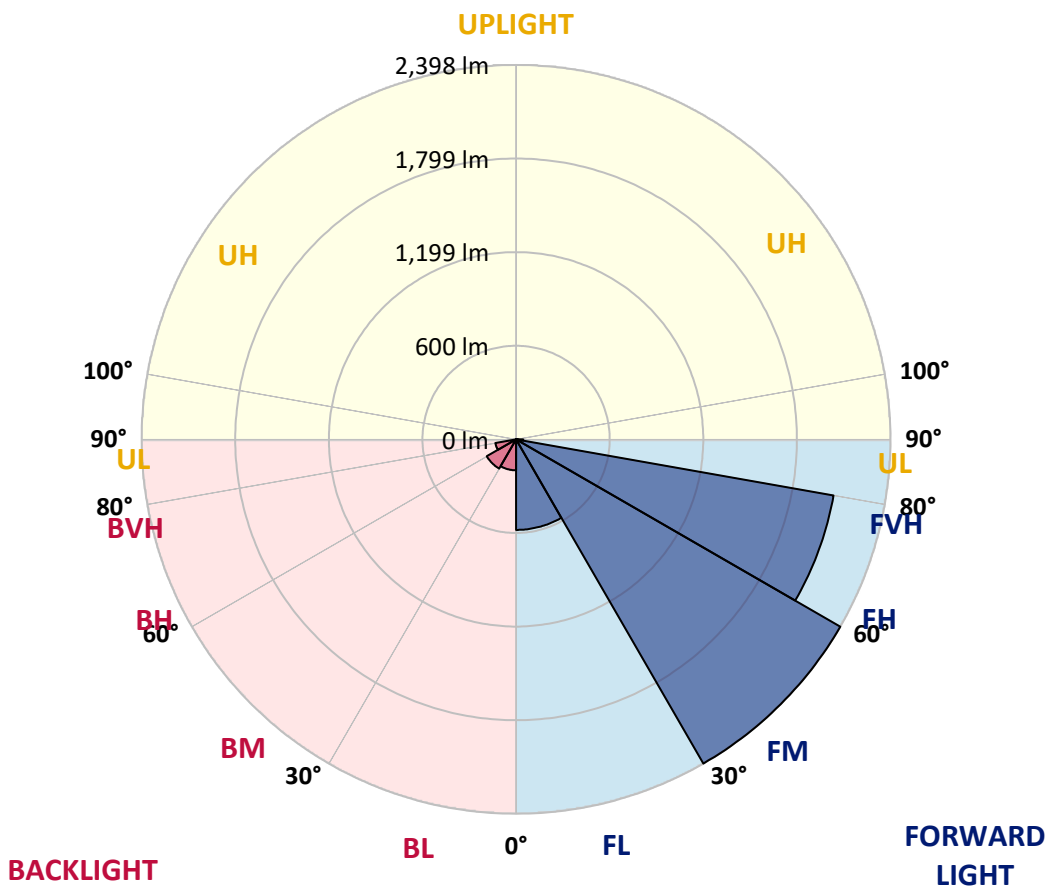
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.1	10.3			
FM (30°-60°)	2398.2	42.5			
FH (60°-80°)	2064.8	36.6			G2/5000
FVH (80°-90°)	45.1	0.8			G1/100
BL (0°-30°)	198.2	3.5	B1/500		
BM (30°-60°)	216.2	3.8	B0/220		
BH (60°-80°)	134.5	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°	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6
2.5°	1711.0	1714.0	1717.9	1722.9	1721.9	1717.4	1712.0	1699.5	1691.5	1666.5	1636.1
5°	1656.1	1655.6	1665.5	1675.0	1692.0	1701.0	1713.5	1702.0	1698.0	1668.0	1618.6
7.5°	1548.7	1554.2	1565.7	1580.7	1605.1	1631.6	1661.5	1658.1	1670.0	1650.1	1588.7
10°	1443.4	1440.4	1458.4	1480.9	1518.3	1552.2	1595.7	1595.2	1626.6	1624.6	1554.7
12.5°	1351.1	1350.6	1364.6	1390.0	1434.0	1481.4	1540.3	1541.8	1580.7	1596.7	1525.8
15°	1273.2	1274.2	1287.7	1314.2	1359.6	1417.5	1485.9	1498.3	1542.3	1574.7	1497.3
17.5°	1217.8	1218.3	1226.3	1249.3	1293.7	1355.6	1437.9	1454.9	1511.3	1558.2	1474.4
20°	1192.4	1190.4	1191.9	1203.4	1237.8	1294.2	1389.0	1411.0	1482.9	1546.8	1453.4
22.5°	1195.9	1192.9	1185.9	1184.4	1199.9	1242.8	1337.1	1364.1	1451.9	1539.8	1434.5
25°	1226.8	1220.3	1210.3	1195.4	1189.4	1210.8	1291.7	1319.7	1423.0	1540.3	1420.0
27.5°	1274.2	1267.2	1254.8	1234.8	1211.3	1202.4	1260.8	1287.2	1402.5	1551.7	1413.0
30°	1334.6	1329.1	1317.2	1293.2	1261.8	1224.8	1254.3	1276.2	1392.5	1575.2	1416.0
32.5°	1406.0	1402.0	1392.0	1370.1	1334.1	1277.7	1276.2	1293.2	1400.5	1609.1	1427.5
35°	1474.9	1476.4	1476.9	1464.9	1426.5	1358.1	1336.6	1342.6	1433.5	1660.1	1453.4
37.5°	1549.2	1545.8	1563.7	1572.2	1535.3	1462.4	1430.0	1430.5	1496.3	1735.4	1502.3
40°	1605.6	1606.6	1645.6	1680.5	1665.0	1594.7	1548.2	1547.8	1593.2	1838.7	1581.2
42.5°	1658.6	1665.0	1722.4	1782.3	1803.8	1741.4	1708.0	1695.5	1728.9	1978.5	1699.5
45°	1715.0	1724.4	1804.8	1890.1	1946.5	1909.6	1883.2	1888.1	1892.1	2141.2	1858.7
47.5°	1780.8	1786.8	1886.1	2006.4	2111.7	2102.3	2103.8	2097.8	2095.8	2346.3	2069.3
50°	1860.7	1874.7	1989.0	2132.7	2276.5	2339.3	2360.3	2362.8	2330.4	2569.9	2287.4
52.5°	2030.4	2047.4	2145.2	2271.0	2456.1	2588.4	2673.7	2656.8	2606.9	2786.5	2526.5
55°	2230.5	2243.5	2337.8	2468.1	2675.7	2861.4	3064.1	3057.1	2934.8	3014.6	2723.2
57.5°	2249.5	2264.0	2410.2	2609.9	2957.7	3198.8	3411.9	3434.4	3255.2	3176.4	2898.8
60°	2036.4	2065.8	2265.5	2534.0	3065.6	3652.5	3793.3	3797.8	3490.3	3340.6	3113.5
62.5°	1632.1	1646.1	1847.2	2197.6	2899.3	3917.0	4375.7	4280.9	3792.3	3594.6	3453.4
65°	855.5	912.4	1087.6	1475.4	2351.3	3824.7	5076.5	5050.5	4335.3	3958.5	3717.9
67.5°	587.0	586.5	627.9	769.1	1402.0	3293.1	5420.4	5705.9	4963.2	4083.2	3526.2
70°	446.7	448.2	485.1	577.0	726.2	2192.1	5043.0	5531.2	5080.0	3707.4	2851.9
72.5°	296.5	299.5	360.9	466.2	580.0	1074.6	3919.0	4425.6	4274.4	2977.7	2007.4
75°	177.2	179.7	223.6	338.9	515.6	601.4	2490.1	3059.6	2942.3	2052.4	1076.1
77.5°	72.9	74.9	114.8	211.1	377.3	467.2	1377.1	2001.9	1762.4	816.1	294.0
80°	30.4	31.4	55.4	147.7	272.0	293.0	637.9	940.8	722.2	175.7	89.8
82.5°	11.0	11.5	20.5	81.4	169.2	220.6	321.9	371.8	203.6	57.4	48.4
85°	0.5	0.5	5.0	27.5	64.4	62.4	184.2	178.2	67.4	24.0	28.9
87.5°	0.0	0.0	0.5	0.5	1.0	2.5	17.5	30.9	14.5	6.0	12.5
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°	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6
2.5°	1616.1	1589.7	1560.7	1533.8	1490.9	1465.4	1434.0	1420.0	1400.0	1395.0	1398.0
5°	1583.2	1537.8	1468.4	1405.5	1324.1	1258.8	1192.9	1164.9	1129.0	1105.0	1095.1
7.5°	1536.8	1477.4	1369.1	1254.8	1143.0	1023.7	932.8	872.9	818.5	788.6	782.6
10°	1489.9	1412.5	1257.3	1093.6	920.4	777.6	654.8	564.0	490.1	456.7	430.7
12.5°	1441.4	1345.1	1143.5	929.8	728.7	534.1	382.3	294.0	241.1	220.1	223.6
15°	1397.0	1280.2	1030.7	766.1	513.1	322.4	211.1	178.2	165.7	161.7	161.2
17.5°	1354.6	1218.8	918.4	606.9	338.4	197.6	161.7	153.7	150.2	148.2	148.2
20°	1316.2	1159.9	808.6	457.2	218.6	156.7	146.2	142.2	139.3	137.8	137.8
22.5°	1280.2	1103.0	701.3	323.4	161.2	140.7	134.3	130.3	126.8	124.8	124.8
25°	1247.8	1051.6	598.9	222.6	138.8	128.8	121.8	117.3	111.3	107.8	107.8
27.5°	1224.3	1005.7	500.6	162.2	125.3	115.8	107.8	101.8	95.3	91.3	90.3
30°	1210.3	966.8	401.3	133.3	112.8	103.3	94.3	86.8	79.4	75.4	74.9
32.5°	1202.4	930.8	310.4	116.3	102.3	91.3	81.4	73.4	65.9	61.4	60.9
35°	1205.4	902.9	232.6	104.8	92.3	80.9	69.9	61.9	55.4	51.4	50.4
37.5°	1231.3	890.4	174.7	95.8	83.9	71.9	60.4	52.9	46.9	43.9	43.4
40°	1281.7	892.9	137.3	88.8	76.9	62.9	51.9	44.9	40.4	37.9	37.4
42.5°	1360.1	913.9	113.3	82.9	69.4	54.9	44.9	39.4	34.9	32.4	31.9
45°	1476.9	957.3	98.8	75.9	61.4	47.4	38.9	33.9	29.9	27.0	26.5
47.5°	1646.1	1032.7	89.3	69.4	54.4	40.9	33.4	28.4	25.0	22.5	22.0
50°	1826.3	1123.0	81.4	62.9	48.4	35.4	28.4	23.5	20.5	18.0	17.5
52.5°	2018.4	1220.3	75.4	56.9	42.9	30.4	24.0	19.5	16.5	14.0	13.5
55°	2203.1	1318.2	68.4	52.9	36.4	26.0	20.0	16.0	13.0	11.0	11.0
57.5°	2382.8	1408.0	60.9	46.4	29.9	22.0	16.5	13.0	10.5	9.0	8.5
60°	2597.4	1532.3	52.4	39.4	25.0	18.5	13.5	10.5	8.5	7.0	7.0
62.5°	2916.3	1661.5	44.9	32.9	21.0	15.5	11.0	8.5	7.0	6.0	5.5
65°	3020.6	1591.7	37.9	27.0	17.0	12.5	9.0	7.5	6.0	5.5	5.0
67.5°	2742.1	1304.7	31.4	22.0	14.0	10.5	8.0	6.5	5.5	5.0	4.5
70°	2139.7	925.9	24.5	16.5	11.5	8.5	7.0	6.0	5.0	4.5	4.5
72.5°	1455.4	547.5	19.5	12.5	9.5	7.5	6.0	5.5	5.0	4.5	4.0
75°	716.7	194.7	15.0	9.5	7.5	6.5	5.5	5.0	4.5	4.0	4.0
77.5°	193.2	53.9	11.5	7.5	6.0	5.0	5.0	5.0	4.5	3.5	3.5
80°	65.4	22.5	8.5	5.5	5.0	4.0	3.5	4.5	4.0	3.5	3.0
82.5°	35.9	11.0	6.0	4.5	3.5	3.0	3.0	3.0	3.0	2.5	2.5
85°	23.0	6.0	4.0	3.5	3.5	2.5	2.0	2.0	1.5	1.5	1.5
87.5°	10.5	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)