

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: P634075

Luminaire Tested: GWS-SA3B-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634075
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-SA3B-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6205.4 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

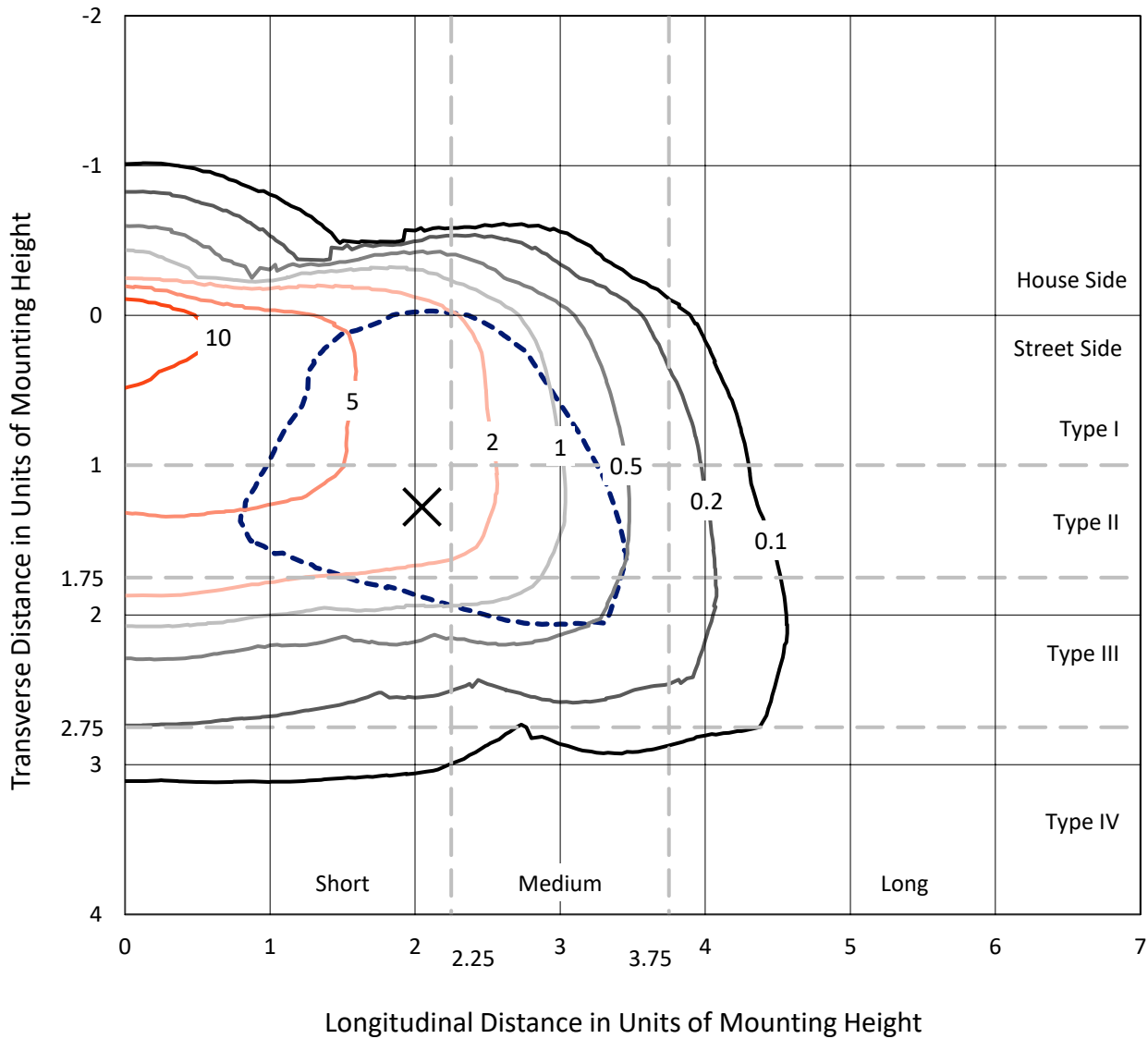
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

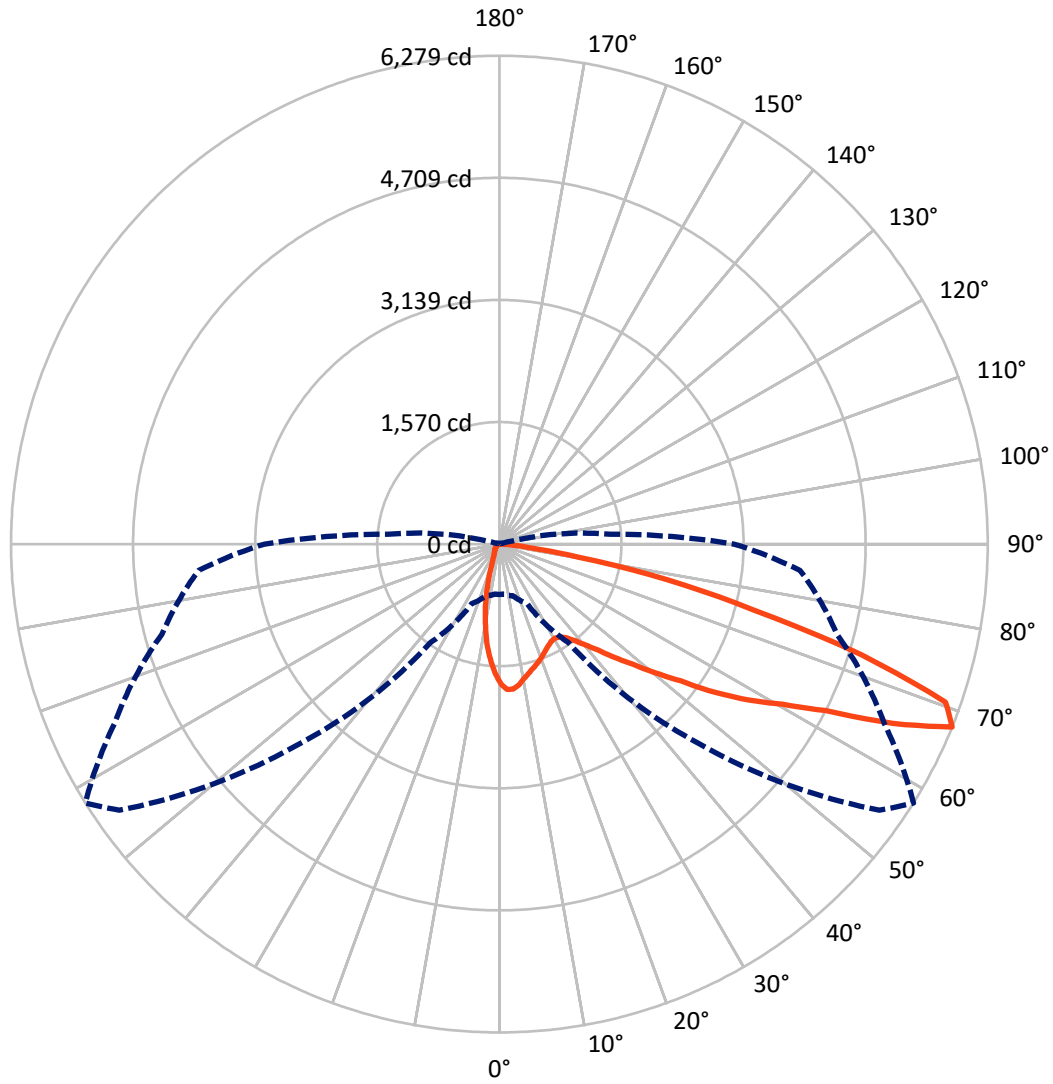
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 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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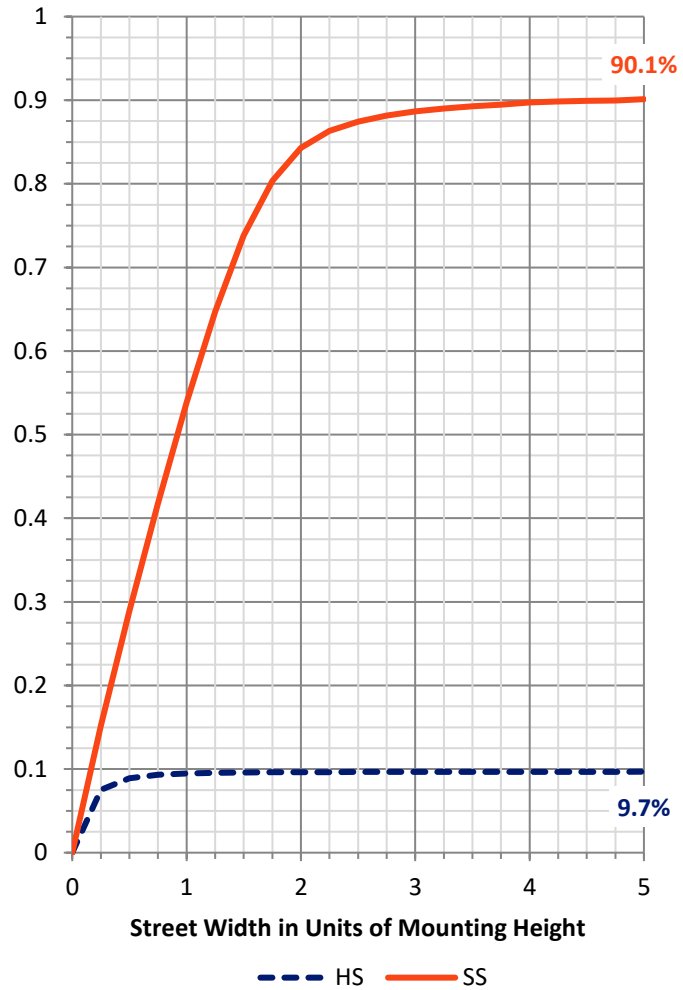
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.2	0.0	606.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5599.2	0.0	5599.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	6205.4	0.0	6205.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	2.3
10°-20°	302.8	4.9
20°-30°	408.3	6.6
30°-40°	573.8	9.2
40°-50°	886.1	14.3
50°-60°	1417.0	22.8
60°-70°	1677.8	27.0
70°-80°	742.2	12.0
80°-90°	51.9	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°	6205.4	100.0
0°-180°	6205.4	100.0

Coefficient of Utilization

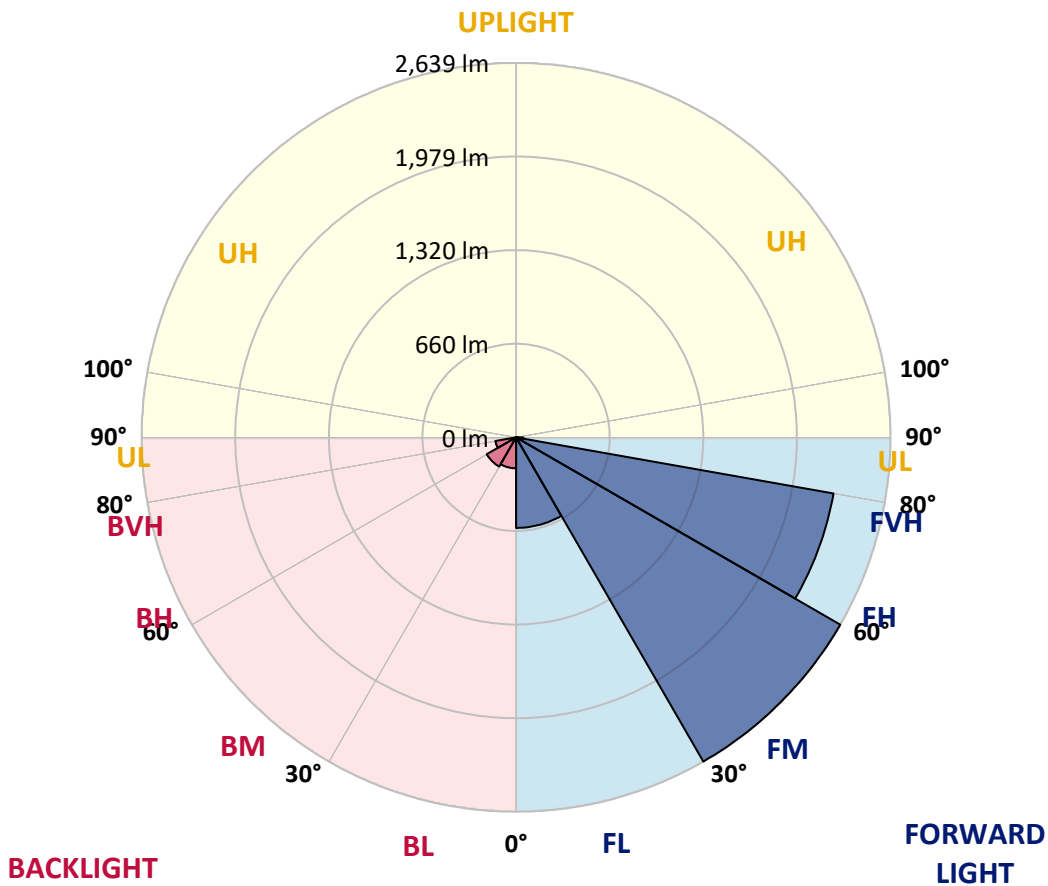


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.4	10.3			
FM (30°-60°)	2639.0	42.5			
FH (60°-80°)	2272.1	36.6			G2/5000
FVH (80°-90°)	49.7	0.8			G1/100
BL (0°-30°)	218.2	3.5	B1/500		
BM (30°-60°)	237.9	3.8	B1/1000		
BH (60°-80°)	148.0	2.4	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9
2.5°	1882.7	1886.0	1890.4	1895.9	1894.8	1889.9	1883.8	1870.1	1861.3	1833.9	1800.4
5°	1822.3	1821.8	1832.8	1843.2	1861.9	1871.8	1885.5	1872.9	1868.5	1835.5	1781.1
7.5°	1704.2	1710.3	1722.9	1739.4	1766.3	1795.4	1828.4	1824.5	1837.7	1815.7	1748.2
10°	1588.4	1585.1	1604.8	1629.6	1670.7	1708.1	1755.9	1755.3	1789.9	1787.7	1710.8
12.5°	1486.8	1486.2	1501.6	1529.6	1577.9	1630.1	1694.9	1696.6	1739.4	1757.0	1679.0
15°	1401.1	1402.2	1417.0	1446.1	1496.1	1559.8	1635.0	1648.8	1697.1	1732.8	1647.7
17.5°	1340.1	1340.7	1349.4	1374.7	1423.6	1491.7	1582.3	1601.0	1663.1	1714.7	1622.4
20°	1312.1	1309.9	1311.6	1324.2	1362.1	1424.1	1528.5	1552.7	1631.8	1702.1	1599.3
22.5°	1315.9	1312.7	1305.0	1303.3	1320.3	1367.6	1471.4	1501.0	1597.7	1694.4	1578.5
25°	1350.0	1342.9	1331.9	1315.4	1308.8	1332.4	1421.4	1452.2	1565.8	1694.9	1562.5
27.5°	1402.2	1394.5	1380.8	1358.8	1333.0	1323.1	1387.3	1416.5	1543.3	1707.5	1554.9
30°	1468.6	1462.6	1449.4	1423.0	1388.4	1347.8	1380.2	1404.4	1532.3	1733.4	1558.2
32.5°	1547.2	1542.8	1531.8	1507.6	1468.1	1406.0	1404.4	1423.0	1541.1	1770.7	1570.8
35°	1623.0	1624.6	1625.2	1612.0	1569.7	1494.4	1470.8	1477.4	1577.4	1826.7	1599.3
37.5°	1704.8	1701.0	1720.7	1730.1	1689.4	1609.2	1573.5	1574.1	1646.6	1909.7	1653.2
40°	1766.9	1768.0	1810.8	1849.2	1832.2	1754.8	1703.7	1703.2	1753.1	2023.3	1739.9
42.5°	1825.1	1832.2	1895.4	1961.3	1984.9	1916.3	1879.5	1865.7	1902.5	2177.1	1870.1
45°	1887.1	1897.6	1986.0	2079.9	2142.0	2101.3	2072.2	2077.7	2082.1	2356.2	2045.3
47.5°	1959.6	1966.2	2075.5	2207.9	2323.8	2313.3	2315.0	2308.4	2306.2	2581.9	2277.1
50°	2047.5	2062.9	2188.7	2346.8	2505.0	2574.2	2597.3	2600.0	2564.3	2828.0	2517.1
52.5°	2234.3	2252.9	2360.6	2499.0	2702.7	2848.3	2942.2	2923.5	2868.6	3066.3	2780.2
55°	2454.5	2468.8	2572.6	2715.9	2944.4	3148.7	3371.7	3364.0	3229.5	3317.3	2996.6
57.5°	2475.4	2491.3	2652.2	2871.9	3254.7	3520.0	3754.5	3779.2	3582.1	3495.3	3189.9
60°	2240.8	2273.2	2492.9	2788.4	3373.3	4019.2	4174.1	4179.1	3840.7	3676.0	3426.1
62.5°	1796.0	1811.3	2032.7	2418.2	3190.5	4310.3	4815.1	4710.7	4173.0	3955.5	3800.1
65°	941.4	1004.0	1196.8	1623.5	2587.4	4208.7	5586.2	5557.6	4770.6	4355.9	4091.2
67.5°	645.9	645.3	690.9	846.4	1542.8	3623.8	5964.6	6278.8	5461.5	4493.2	3880.3
70°	491.6	493.2	533.8	634.9	799.1	2412.2	5549.4	6086.5	5590.0	4079.7	3138.3
72.5°	326.2	329.5	397.1	513.0	638.2	1182.5	4312.5	4870.0	4703.6	3276.7	2209.0
75°	195.0	197.7	246.1	372.9	567.4	661.8	2740.1	3366.8	3237.7	2258.4	1184.1
77.5°	80.2	82.4	126.3	232.3	415.2	514.1	1515.3	2202.9	1939.3	898.0	323.5
80°	33.5	34.6	61.0	162.6	299.3	322.4	701.9	1035.3	794.7	193.3	98.9
82.5°	12.1	12.6	22.5	89.5	186.2	242.8	354.3	409.2	224.1	63.2	53.3
85°	0.5	0.5	5.5	30.2	70.9	68.7	202.7	196.1	74.1	26.4	31.9
87.5°	0.0	0.0	0.5	0.5	1.1	2.7	19.2	34.1	15.9	6.6	13.7
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°	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9	1789.9
2.5°	1778.4	1749.3	1717.4	1687.8	1640.5	1612.5	1577.9	1562.5	1540.6	1535.1	1538.4
5°	1742.1	1692.2	1615.8	1546.6	1457.1	1385.1	1312.7	1281.9	1242.3	1216.0	1205.0
7.5°	1691.1	1625.7	1506.5	1380.8	1257.7	1126.5	1026.5	960.6	900.7	867.8	861.2
10°	1639.4	1554.3	1383.5	1203.4	1012.8	855.7	720.6	620.6	539.3	502.5	474.0
12.5°	1586.2	1480.2	1258.3	1023.2	801.9	587.7	420.7	323.5	265.3	242.2	246.1
15°	1537.3	1408.8	1134.2	843.1	564.6	354.8	232.3	196.1	182.3	177.9	177.4
17.5°	1490.6	1341.2	1010.6	667.9	372.4	217.5	177.9	169.2	165.3	163.1	163.1
20°	1448.3	1276.4	889.7	503.1	240.6	172.5	160.9	156.5	153.2	151.6	151.6
22.5°	1408.8	1213.8	771.7	355.9	177.4	154.9	147.7	143.3	139.5	137.3	137.3
25°	1373.1	1157.2	659.1	245.0	152.7	141.7	134.0	129.1	122.5	118.6	118.6
27.5°	1347.3	1106.7	550.9	178.5	137.9	127.4	118.6	112.0	104.9	100.5	99.4
30°	1331.9	1063.9	441.6	146.6	124.1	113.7	103.8	95.6	87.3	82.9	82.4
32.5°	1323.1	1024.3	341.6	128.0	112.6	100.5	89.5	80.7	72.5	67.6	67.0
35°	1326.4	993.6	255.9	115.3	101.6	89.0	76.9	68.1	61.0	56.6	55.5
37.5°	1354.9	979.8	192.2	105.5	92.3	79.1	66.5	58.2	51.6	48.3	47.8
40°	1410.4	982.6	151.0	97.8	84.6	69.2	57.1	49.4	44.5	41.7	41.2
42.5°	1496.6	1005.6	124.7	91.2	76.3	60.4	49.4	43.4	38.4	35.7	35.2
45°	1625.2	1053.4	108.7	83.5	67.6	52.2	42.8	37.3	33.0	29.7	29.1
47.5°	1811.3	1136.3	98.3	76.3	59.9	45.0	36.8	31.3	27.5	24.7	24.2
50°	2009.6	1235.8	89.5	69.2	53.3	39.0	31.3	25.8	22.5	19.8	19.2
52.5°	2221.1	1342.9	82.9	62.6	47.2	33.5	26.4	21.4	18.1	15.4	14.8
55°	2424.3	1450.5	75.2	58.2	40.1	28.6	22.0	17.6	14.3	12.1	12.1
57.5°	2622.0	1549.4	67.0	51.1	33.0	24.2	18.1	14.3	11.5	9.9	9.3
60°	2858.2	1686.1	57.7	43.4	27.5	20.3	14.8	11.5	9.3	7.7	7.7
62.5°	3209.1	1828.4	49.4	36.2	23.1	17.0	12.1	9.3	7.7	6.6	6.0
65°	3323.9	1751.5	41.7	29.7	18.7	13.7	9.9	8.2	6.6	6.0	5.5
67.5°	3017.4	1435.7	34.6	24.2	15.4	11.5	8.8	7.1	6.0	5.5	4.9
70°	2354.5	1018.8	26.9	18.1	12.6	9.3	7.7	6.6	5.5	4.9	4.9
72.5°	1601.5	602.5	21.4	13.7	10.4	8.2	6.6	6.0	5.5	4.9	4.4
75°	788.7	214.2	16.5	10.4	8.2	7.1	6.0	5.5	4.9	4.4	4.4
77.5°	212.6	59.3	12.6	8.2	6.6	5.5	5.5	5.5	4.9	3.8	3.8
80°	71.9	24.7	9.3	6.0	5.5	4.4	3.8	4.9	4.4	3.8	3.3
82.5°	39.5	12.1	6.6	4.9	3.8	3.3	3.3	3.3	3.3	2.7	2.7
85°	25.3	6.6	4.4	3.8	3.8	2.7	2.2	2.2	1.6	1.6	1.6
87.5°	11.5	3.8	3.8	3.3	3.3	2.7	1.6	1.1	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)