

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: P630940

Luminaire Tested: GWS-SA1E-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630940
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-SA1E-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6191.9 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

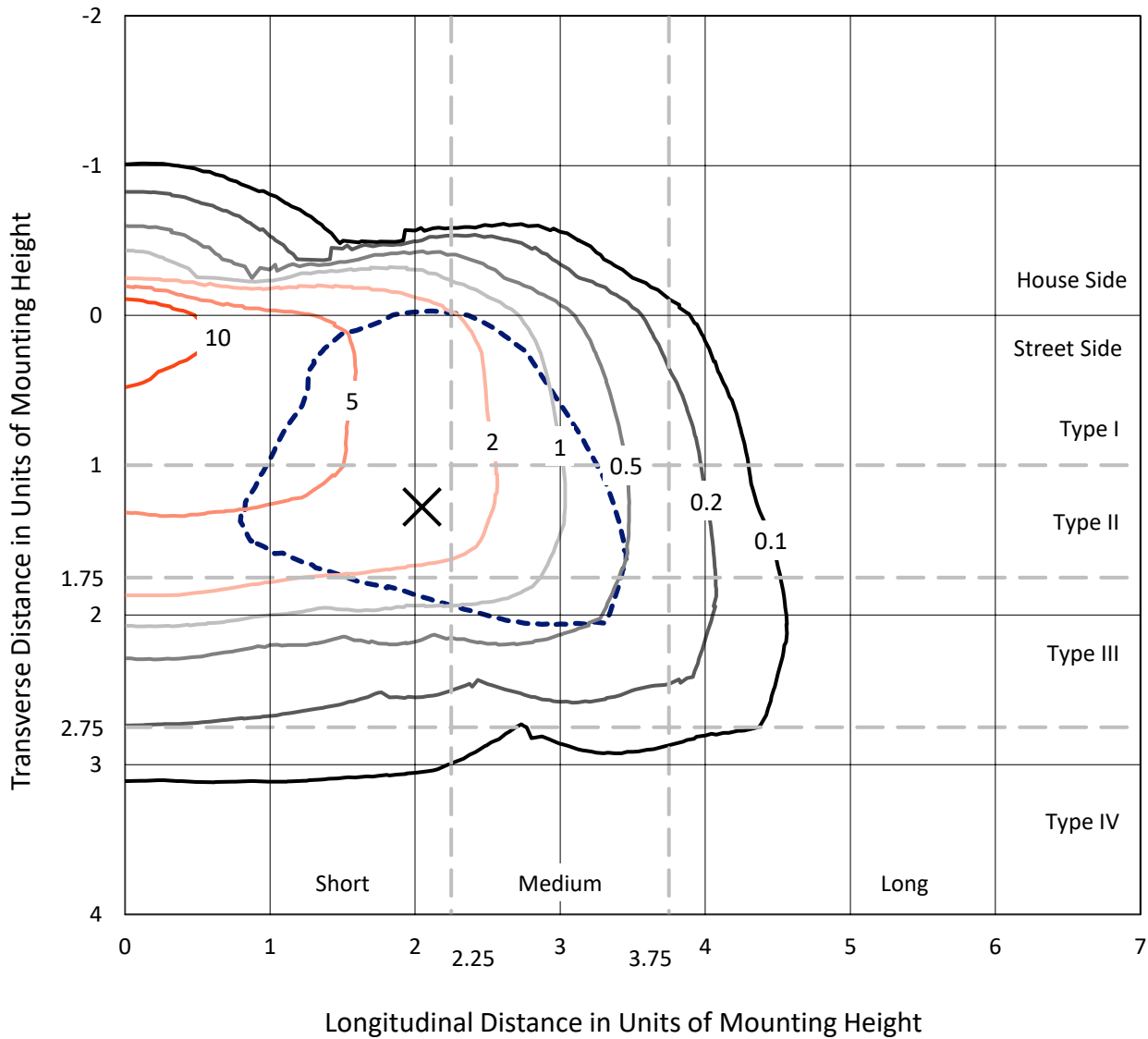
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

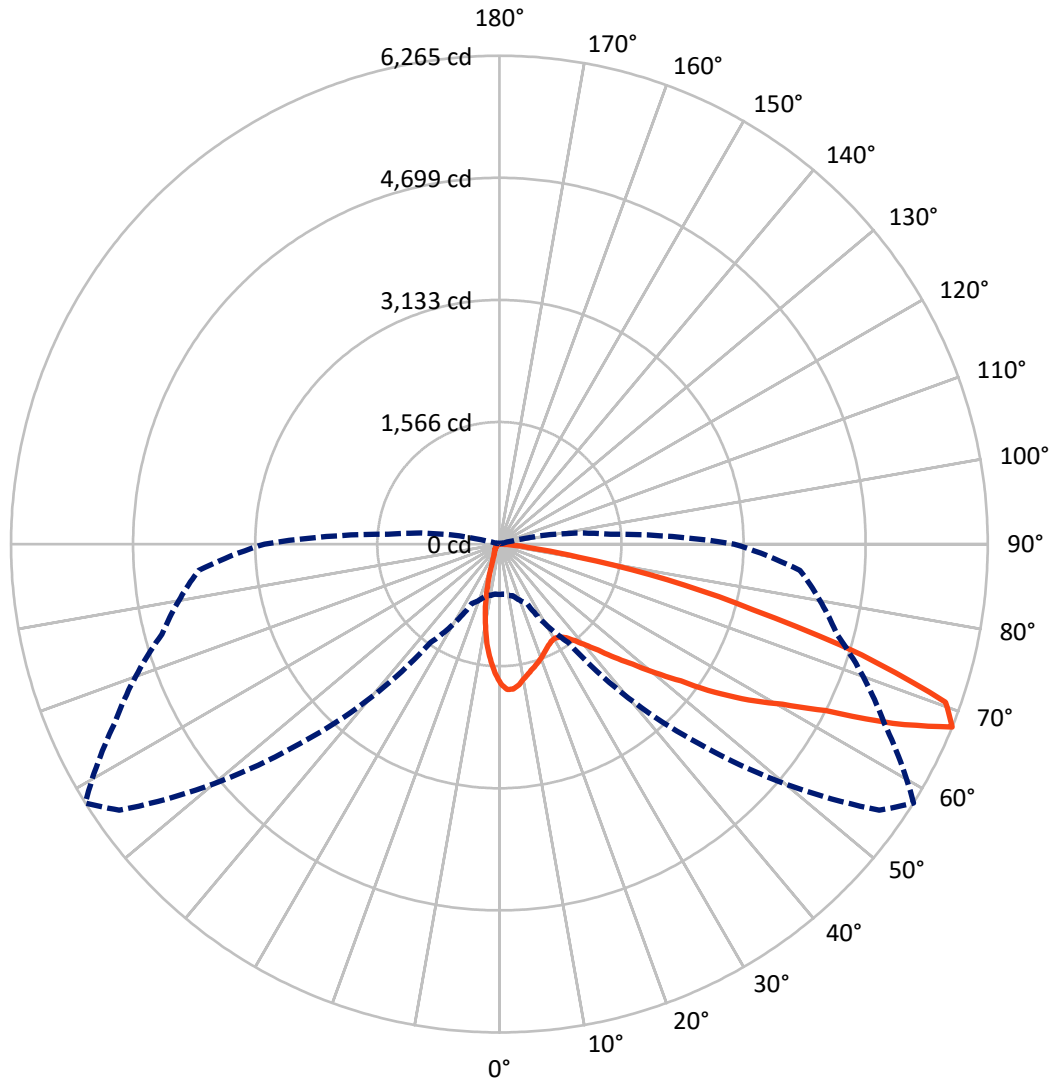
✕ Max cd
 - - - 1/2 Max cd



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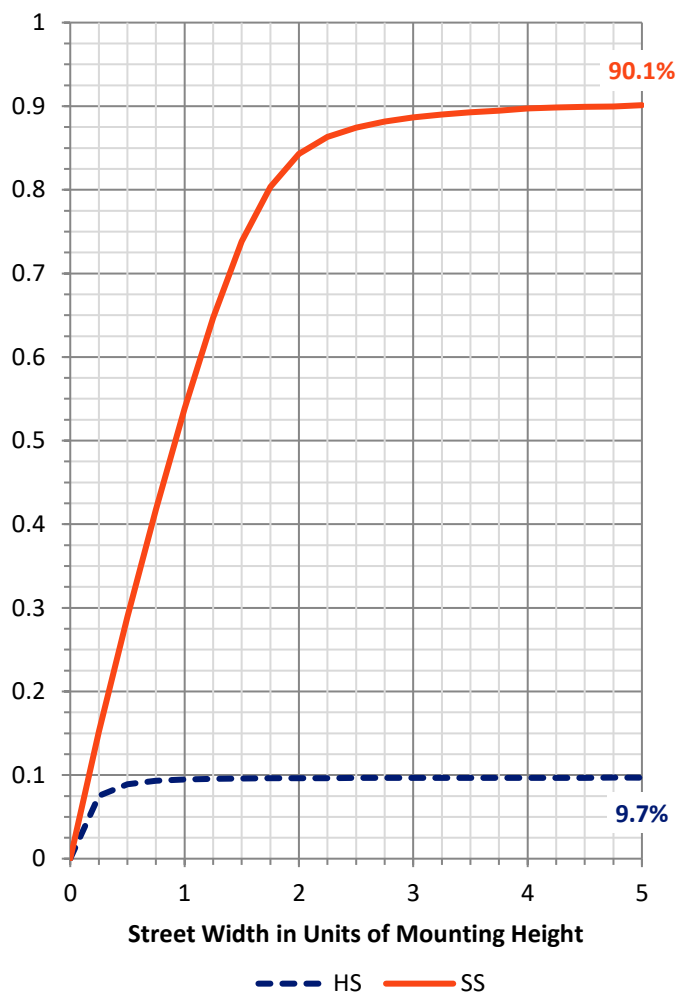
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	604.9	0.0	604.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5587.0	0.0	5587.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	6191.9	0.0	6191.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	2.3
10°-20°	302.1	4.9
20°-30°	407.4	6.6
30°-40°	572.5	9.2
40°-50°	884.2	14.3
50°-60°	1413.9	22.8
60°-70°	1674.2	27.0
70°-80°	740.6	12.0
80°-90°	51.8	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°	6191.9	100.0
0°-180°	6191.9	100.0

Coefficient of Utilization



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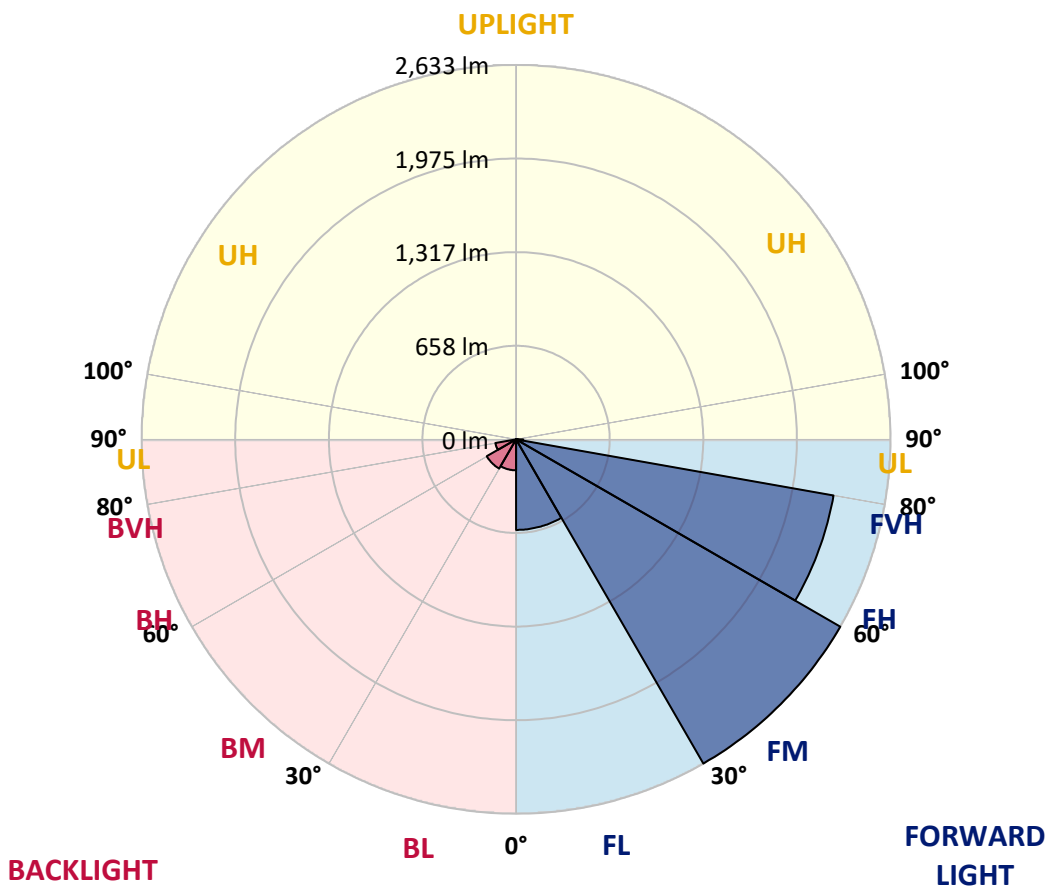
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.0	10.3			
FM (30°-60°)	2633.3	42.5			
FH (60°-80°)	2267.1	36.6			G2/5000
FVH (80°-90°)	49.6	0.8			G1/100
BL (0°-30°)	217.7	3.5	B1/500		
BM (30°-60°)	237.3	3.8	B1/1000		
BH (60°-80°)	147.7	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°	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0
2.5°	1878.7	1881.9	1886.3	1891.8	1890.7	1885.8	1879.7	1866.0	1857.3	1829.9	1796.4
5°	1818.4	1817.8	1828.8	1839.2	1857.8	1867.7	1881.4	1868.8	1864.4	1831.5	1777.3
7.5°	1700.5	1706.6	1719.2	1735.6	1762.5	1791.5	1824.4	1820.6	1833.7	1811.8	1744.4
10°	1584.9	1581.6	1601.3	1626.0	1667.1	1704.4	1752.1	1751.5	1786.0	1783.8	1707.1
12.5°	1483.5	1483.0	1498.3	1526.3	1574.5	1626.6	1691.2	1692.9	1735.6	1753.2	1675.3
15°	1398.0	1399.1	1413.9	1443.0	1492.8	1556.4	1631.5	1645.2	1693.4	1729.0	1644.1
17.5°	1337.2	1337.7	1346.5	1371.7	1420.5	1488.5	1578.9	1597.5	1659.4	1711.0	1618.9
20°	1309.2	1307.1	1308.7	1321.3	1359.1	1421.0	1525.2	1549.3	1628.2	1698.3	1595.9
22.5°	1313.1	1309.8	1302.1	1300.5	1317.5	1364.6	1468.2	1497.8	1594.2	1690.7	1575.0
25°	1347.1	1339.9	1329.0	1312.5	1306.0	1329.5	1418.3	1449.0	1562.4	1691.2	1559.1
27.5°	1399.1	1391.5	1377.8	1355.8	1330.1	1320.2	1384.3	1413.4	1540.0	1703.8	1551.5
30°	1465.4	1459.4	1446.3	1419.9	1385.4	1344.9	1377.2	1401.3	1529.0	1729.6	1554.8
32.5°	1543.8	1539.4	1528.5	1504.3	1464.9	1403.0	1401.3	1419.9	1537.8	1766.9	1567.4
35°	1619.4	1621.1	1621.6	1608.5	1566.3	1491.2	1467.6	1474.2	1573.9	1822.8	1595.9
37.5°	1701.1	1697.3	1717.0	1726.3	1685.7	1605.7	1570.1	1570.7	1643.0	1905.5	1649.6
40°	1763.0	1764.1	1806.9	1845.2	1828.2	1751.0	1700.0	1699.4	1749.3	2018.9	1736.2
42.5°	1821.1	1828.2	1891.3	1957.0	1980.6	1912.1	1875.4	1861.7	1898.4	2172.4	1866.0
45°	1883.0	1893.4	1981.7	2075.4	2137.3	2096.8	2067.7	2073.2	2077.6	2351.1	2040.9
47.5°	1955.4	1962.0	2071.0	2203.1	2318.7	2308.3	2310.0	2303.4	2301.2	2576.3	2272.1
50°	2043.1	2058.4	2183.9	2341.7	2499.6	2568.6	2591.6	2594.4	2558.8	2821.8	2511.6
52.5°	2229.4	2248.0	2355.4	2493.5	2696.9	2842.1	2935.8	2917.2	2862.4	3059.7	2774.1
55°	2449.2	2463.4	2567.0	2710.0	2938.0	3141.9	3364.4	3356.7	3222.4	3310.1	2990.1
57.5°	2470.0	2485.9	2646.4	2865.7	3247.6	3512.3	3746.3	3771.0	3574.3	3487.7	3183.0
60°	2236.0	2268.3	2487.5	2782.4	3366.0	4010.5	4165.0	4170.0	3832.4	3668.0	3418.6
62.5°	1792.1	1807.4	2028.3	2413.0	3183.5	4301.0	4804.6	4700.5	4163.9	3946.9	3791.8
65°	939.3	1001.8	1194.2	1620.0	2581.8	4199.6	5574.0	5545.5	4760.2	4346.4	4082.3
67.5°	644.5	643.9	689.4	844.5	1539.4	3615.9	5951.6	6265.1	5449.6	4483.4	3871.8
70°	490.5	492.1	532.7	633.5	797.4	2407.0	5537.3	6073.3	5577.9	4070.8	3131.5
72.5°	325.5	328.8	396.2	511.9	636.8	1179.9	4303.1	4859.4	4693.3	3269.6	2204.2
75°	194.6	197.3	245.5	372.1	566.1	660.4	2734.1	3359.4	3230.6	2253.5	1181.6
77.5°	80.0	82.2	126.0	231.8	414.3	513.0	1512.0	2198.2	1935.1	896.0	322.8
80°	33.4	34.5	60.8	162.2	298.7	321.7	700.4	1033.0	793.0	192.9	98.6
82.5°	12.1	12.6	22.5	89.3	185.8	242.2	353.5	408.3	223.6	63.0	53.2
85°	0.5	0.5	5.5	30.1	70.7	68.5	202.2	195.6	74.0	26.3	31.8
87.5°	0.0	0.0	0.5	0.5	1.1	2.7	19.2	34.0	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°	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0	1786.0
2.5°	1774.5	1745.5	1713.7	1684.1	1637.0	1609.0	1574.5	1559.1	1537.2	1531.7	1535.0
5°	1738.4	1688.5	1612.3	1543.3	1453.9	1382.1	1309.8	1279.1	1239.6	1213.3	1202.4
7.5°	1687.4	1622.2	1503.3	1377.8	1255.0	1124.0	1024.3	958.5	898.8	865.9	859.3
10°	1635.9	1550.9	1380.5	1200.7	1010.6	853.8	719.0	619.3	538.2	501.4	473.0
12.5°	1582.7	1476.9	1255.5	1021.0	800.1	586.4	419.8	322.8	264.7	241.7	245.5
15°	1533.9	1405.7	1131.7	841.2	563.4	354.0	231.8	195.6	181.9	177.6	177.0
17.5°	1487.4	1338.3	1008.4	666.4	371.6	217.0	177.6	168.8	165.0	162.8	162.8
20°	1445.2	1273.6	887.8	502.0	240.0	172.1	160.6	156.2	152.9	151.3	151.3
22.5°	1405.7	1211.1	770.0	355.1	177.0	154.5	147.4	143.0	139.2	137.0	137.0
25°	1370.1	1154.7	657.6	244.4	152.4	141.4	133.7	128.8	122.2	118.4	118.4
27.5°	1344.3	1104.3	549.7	178.1	137.6	127.1	118.4	111.8	104.7	100.3	99.2
30°	1329.0	1061.5	440.6	146.3	123.9	113.4	103.6	95.4	87.1	82.8	82.2
32.5°	1320.2	1022.1	340.9	127.7	112.3	100.3	89.3	80.6	72.3	67.4	66.9
35°	1323.5	991.4	255.4	115.1	101.4	88.8	76.7	68.0	60.8	56.4	55.4
37.5°	1352.0	977.7	191.8	105.2	92.1	78.9	66.3	58.1	51.5	48.2	47.7
40°	1407.3	980.4	150.7	97.5	84.4	69.1	57.0	49.3	44.4	41.7	41.1
42.5°	1493.4	1003.4	124.4	91.0	76.2	60.3	49.3	43.3	38.4	35.6	35.1
45°	1621.6	1051.1	108.5	83.3	67.4	52.1	42.7	37.3	32.9	29.6	29.0
47.5°	1807.4	1133.9	98.1	76.2	59.7	44.9	36.7	31.2	27.4	24.7	24.1
50°	2005.2	1233.1	89.3	69.1	53.2	38.9	31.2	25.8	22.5	19.7	19.2
52.5°	2216.2	1339.9	82.8	62.5	47.1	33.4	26.3	21.4	18.1	15.3	14.8
55°	2419.0	1447.4	75.1	58.1	40.0	28.5	21.9	17.5	14.2	12.1	12.1
57.5°	2616.3	1546.0	66.9	51.0	32.9	24.1	18.1	14.2	11.5	9.9	9.3
60°	2852.0	1682.5	57.5	43.3	27.4	20.3	14.8	11.5	9.3	7.7	7.7
62.5°	3202.1	1824.4	49.3	36.2	23.0	17.0	12.1	9.3	7.7	6.6	6.0
65°	3316.7	1747.7	41.7	29.6	18.6	13.7	9.9	8.2	6.6	6.0	5.5
67.5°	3010.9	1432.6	34.5	24.1	15.3	11.5	8.8	7.1	6.0	5.5	4.9
70°	2349.4	1016.6	26.9	18.1	12.6	9.3	7.7	6.6	5.5	4.9	4.9
72.5°	1598.1	601.2	21.4	13.7	10.4	8.2	6.6	6.0	5.5	4.9	4.4
75°	787.0	213.7	16.4	10.4	8.2	7.1	6.0	5.5	4.9	4.4	4.4
77.5°	212.1	59.2	12.6	8.2	6.6	5.5	5.5	5.5	4.9	3.8	3.8
80°	71.8	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°	25.2	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)