

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: P631325

Luminaire Tested: GWS-SA1F-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631325
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-SA1F-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6823.5 lumens
Efficiency: N/A
Efficacy: 101.5 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

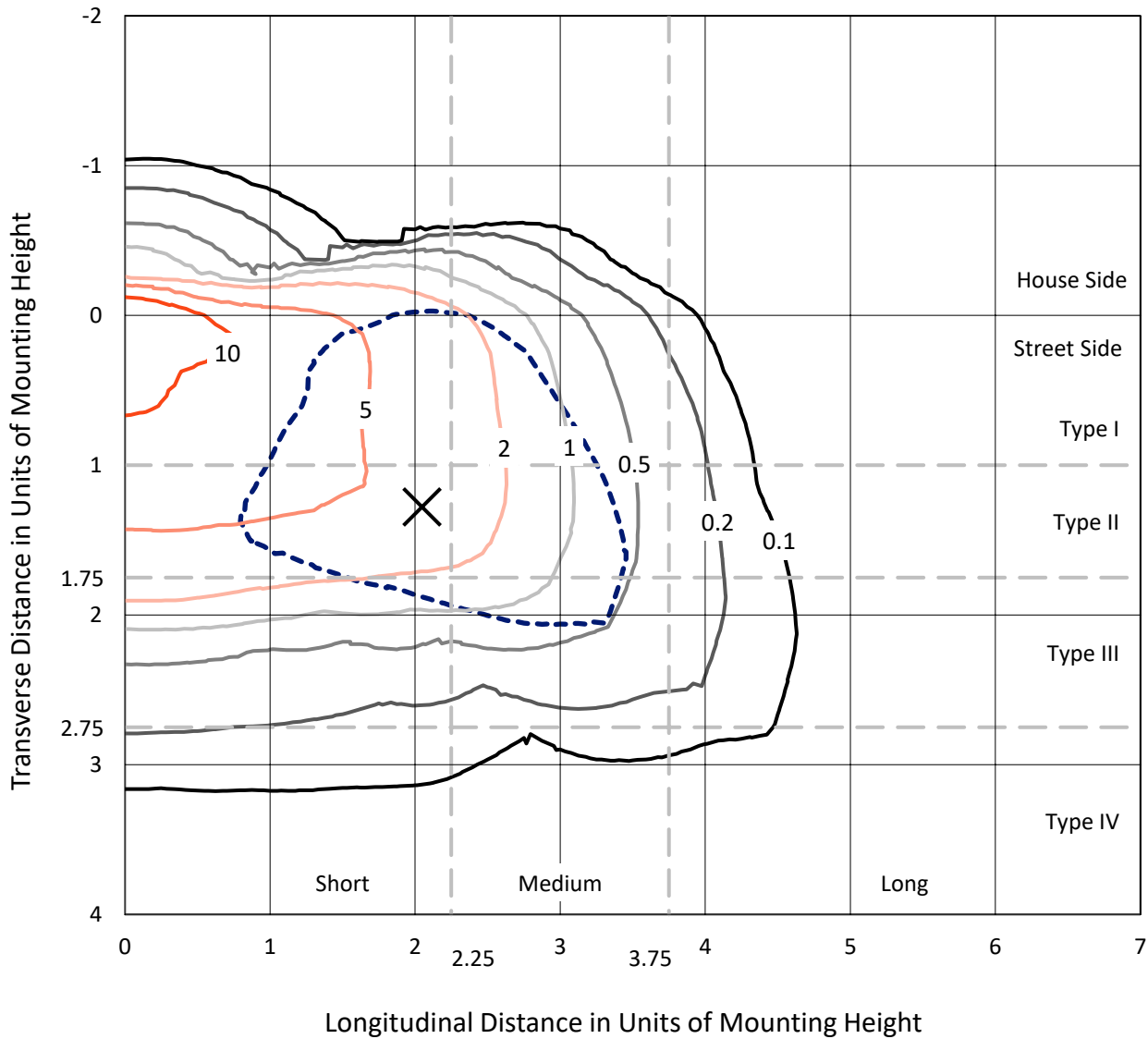
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

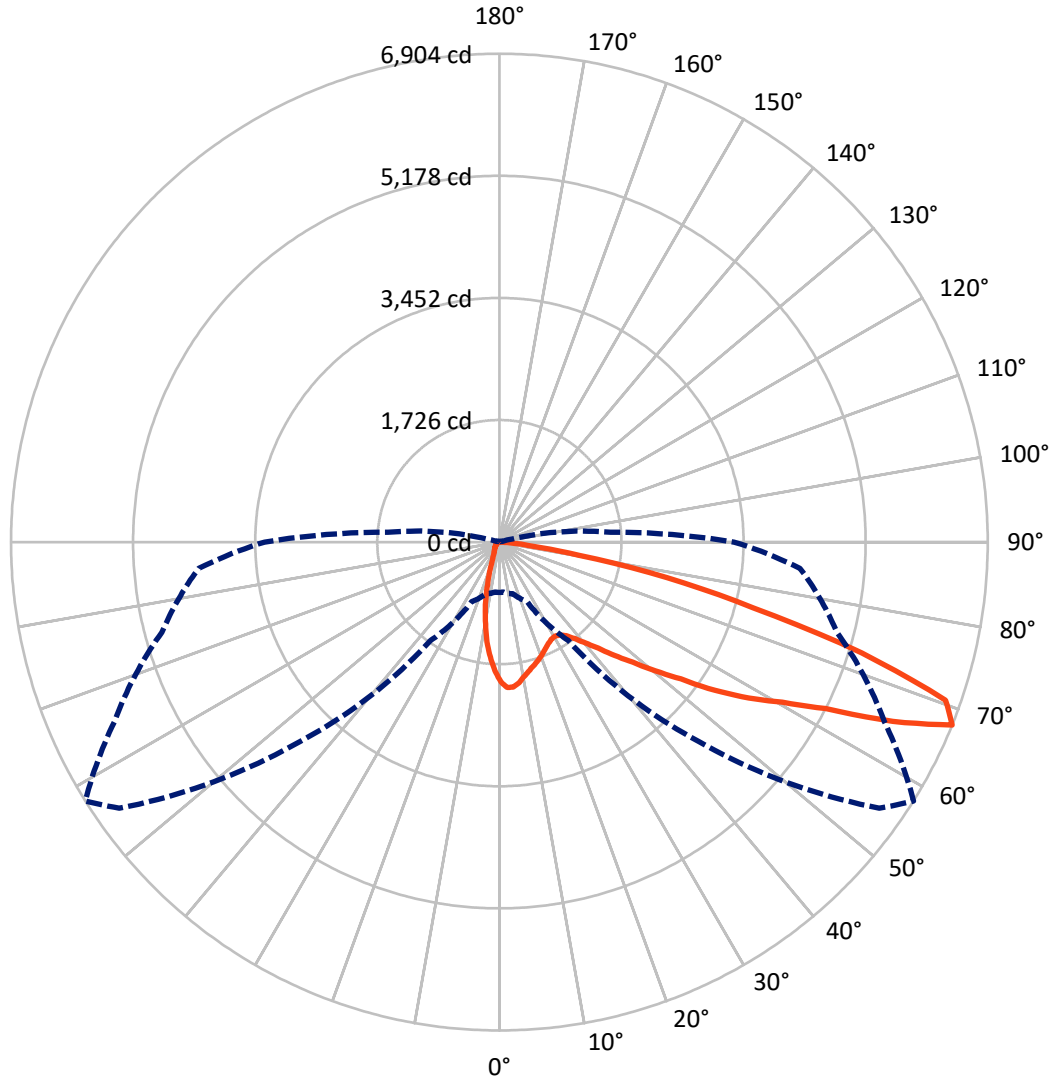
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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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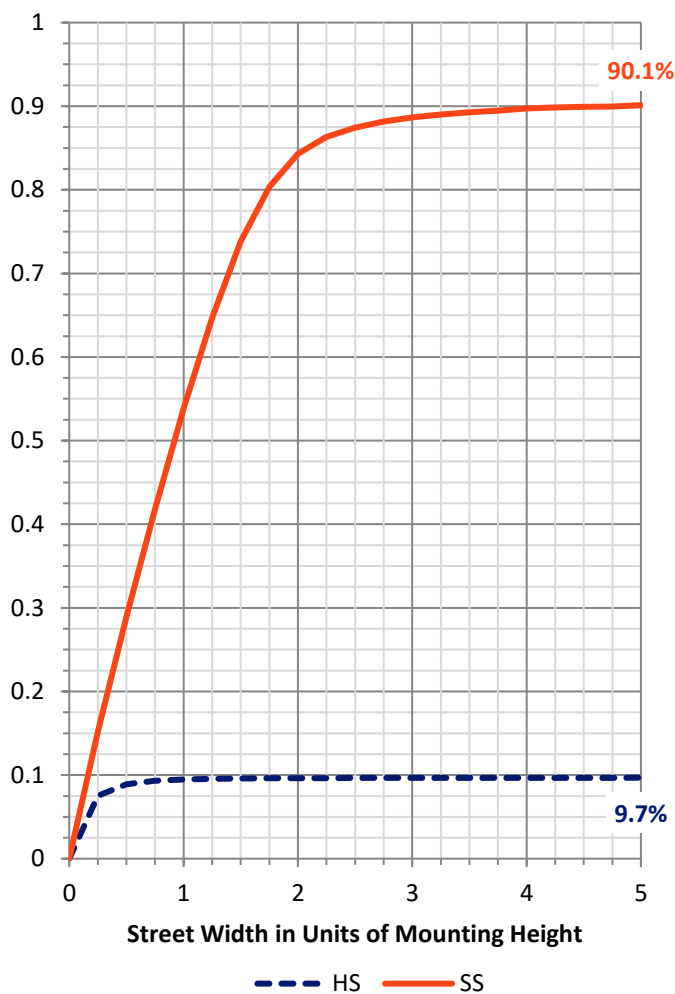
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.6	0.0	666.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6156.9	0.0	6156.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	6823.5	0.0	6823.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	2.3
10°-20°	332.9	4.9
20°-30°	449.0	6.6
30°-40°	630.9	9.2
40°-50°	974.4	14.3
50°-60°	1558.2	22.8
60°-70°	1845.0	27.0
70°-80°	816.2	12.0
80°-90°	57.0	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°	6823.5	100.0
0°-180°	6823.5	100.0

Coefficient of Utilization



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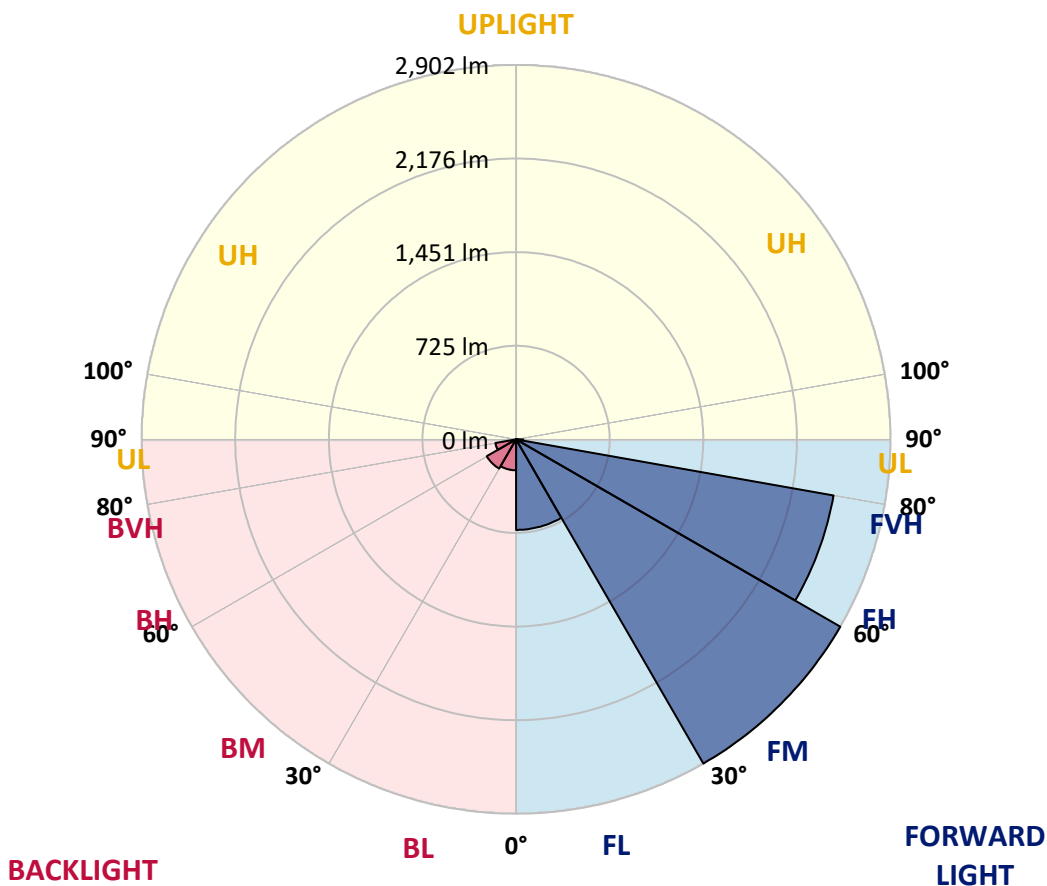
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.0	10.3			
FM (30°-60°)	2901.9	42.5			
FH (60°-80°)	2498.4	36.6			G2/5000
FVH (80°-90°)	54.6	0.8			G1/100
BL (0°-30°)	239.9	3.5	B1/500		
BM (30°-60°)	261.6	3.8	B1/1000		
BH (60°-80°)	162.7	2.4	B1/500		G1/500
BVH (80°-90°)	2.4	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°	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2
2.5°	2070.3	2073.9	2078.7	2084.8	2083.6	2078.1	2071.5	2056.4	2046.7	2016.5	1979.7
5°	2003.8	2003.2	2015.3	2026.8	2047.3	2058.2	2073.3	2059.4	2054.6	2018.3	1958.6
7.5°	1874.0	1880.6	1894.5	1912.7	1942.2	1974.3	2010.5	2006.3	2020.8	1996.6	1922.3
10°	1746.6	1743.0	1764.7	1791.9	1837.2	1878.2	1930.8	1930.2	1968.2	1965.8	1881.3
12.5°	1634.8	1634.2	1651.2	1682.0	1735.1	1792.5	1863.7	1865.5	1912.7	1932.0	1846.2
15°	1540.6	1541.8	1558.1	1590.2	1645.1	1715.2	1797.9	1813.0	1866.2	1905.4	1811.8
17.5°	1473.6	1474.2	1483.9	1511.6	1565.4	1640.3	1739.9	1760.5	1828.7	1885.5	1784.0
20°	1442.8	1440.4	1442.2	1456.1	1497.8	1566.0	1680.7	1707.3	1794.3	1871.6	1758.7
22.5°	1447.0	1443.4	1434.9	1433.1	1451.9	1503.8	1617.9	1650.5	1756.8	1863.1	1735.7
25°	1484.5	1476.6	1464.5	1446.4	1439.2	1465.1	1563.0	1596.8	1721.8	1863.7	1718.2
27.5°	1541.8	1533.4	1518.3	1494.1	1465.7	1454.9	1525.5	1557.5	1697.1	1877.6	1709.7
30°	1614.9	1608.3	1593.8	1564.8	1526.7	1482.1	1517.7	1544.3	1685.0	1906.0	1713.4
32.5°	1701.3	1696.4	1684.4	1657.8	1614.3	1546.1	1544.3	1564.8	1694.6	1947.1	1727.2
35°	1784.6	1786.4	1787.0	1772.5	1726.0	1643.3	1617.3	1624.6	1734.5	2008.7	1758.7
37.5°	1874.6	1870.4	1892.1	1902.4	1857.7	1769.5	1730.3	1730.9	1810.6	2099.9	1817.8
40°	1942.9	1944.1	1991.2	2033.4	2014.7	1929.6	1873.4	1872.8	1927.8	2224.9	1913.3
42.5°	2006.9	2014.7	2084.2	2156.6	2182.6	2107.1	2066.7	2051.6	2092.0	2394.0	2056.4
45°	2075.1	2086.6	2183.8	2287.1	2355.3	2310.6	2278.6	2284.7	2289.5	2590.9	2249.0
47.5°	2154.8	2162.1	2282.3	2427.8	2555.2	2543.8	2545.6	2538.3	2535.9	2839.1	2503.9
50°	2251.5	2268.4	2406.7	2580.6	2754.5	2830.6	2856.0	2859.0	2819.8	3109.7	2767.8
52.5°	2456.8	2477.3	2595.7	2747.9	2972.0	3132.0	3235.3	3214.7	3154.3	3371.8	3057.1
55°	2699.0	2714.7	2828.8	2986.4	3237.7	3462.3	3707.5	3699.1	3551.1	3647.8	3295.1
57.5°	2721.9	2739.4	2916.4	3158.0	3578.9	3870.6	4128.5	4155.7	3938.9	3843.4	3507.6
60°	2464.0	2499.7	2741.3	3066.2	3709.4	4419.6	4589.9	4595.3	4223.3	4042.1	3767.3
62.5°	1974.9	1991.8	2235.2	2659.1	3508.2	4739.7	5294.7	5179.9	4588.7	4349.5	4178.6
65°	1035.1	1104.0	1316.0	1785.2	2845.1	4627.9	6142.6	6111.2	5245.8	4789.8	4498.7
67.5°	710.2	709.6	759.7	930.7	1696.4	3984.7	6558.7	6904.2	6005.5	4940.8	4266.8
70°	540.5	542.3	587.0	698.1	878.7	2652.5	6102.1	6692.8	6146.8	4486.0	3450.9
72.5°	358.7	362.4	436.6	564.1	701.8	1300.3	4742.1	5355.1	5172.1	3603.1	2429.0
75°	214.4	217.4	270.6	410.1	623.9	727.7	3013.0	3702.1	3560.2	2483.4	1302.1
77.5°	88.2	90.6	138.9	255.5	456.6	565.3	1666.3	2422.4	2132.5	987.4	355.7
80°	36.8	38.0	67.0	178.8	329.1	354.5	771.8	1138.4	873.9	212.6	108.7
82.5°	13.3	13.9	24.8	98.4	204.7	266.9	389.5	449.9	246.4	69.5	58.6
85°	0.6	0.6	6.0	33.2	77.9	75.5	222.9	215.6	81.5	29.0	35.0
87.5°	0.0	0.0	0.6	0.6	1.2	3.0	21.1	37.4	17.5	7.2	15.1
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°	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2	1968.2
2.5°	1955.5	1923.5	1888.5	1855.9	1803.9	1773.1	1735.1	1718.2	1694.0	1688.0	1691.6
5°	1915.7	1860.7	1776.8	1700.7	1602.2	1523.1	1443.4	1409.6	1366.1	1337.1	1325.0
7.5°	1859.5	1787.6	1656.6	1518.3	1383.0	1238.7	1128.8	1056.3	990.5	954.2	947.0
10°	1802.7	1709.1	1521.3	1323.2	1113.7	940.9	792.4	682.4	593.1	552.6	521.2
12.5°	1744.2	1627.6	1383.6	1125.1	881.7	646.2	462.6	355.7	291.7	266.3	270.6
15°	1690.4	1549.1	1247.1	927.0	620.8	390.1	255.5	215.6	200.5	195.7	195.1
17.5°	1639.1	1474.8	1111.2	734.4	409.5	239.2	195.7	186.0	181.8	179.4	179.4
20°	1592.6	1403.5	978.4	553.2	264.5	189.6	177.0	172.1	168.5	166.7	166.7
22.5°	1549.1	1334.7	848.5	391.3	195.1	170.3	162.5	157.6	153.4	151.0	151.0
25°	1509.8	1272.5	724.7	269.4	167.9	155.8	147.4	141.9	134.7	130.4	130.4
27.5°	1481.4	1216.9	605.7	196.3	151.6	140.1	130.4	123.2	115.4	110.5	109.3
30°	1464.5	1169.8	485.6	161.3	136.5	125.0	114.1	105.1	96.0	91.2	90.6
32.5°	1454.9	1126.3	375.6	140.7	123.8	110.5	98.4	88.8	79.7	74.3	73.7
35°	1458.5	1092.5	281.4	126.8	111.7	97.8	84.6	74.9	67.0	62.2	61.0
37.5°	1489.9	1077.4	211.4	116.0	101.5	87.0	73.1	64.0	56.8	53.1	52.5
40°	1550.9	1080.4	166.1	107.5	93.0	76.1	62.8	54.4	48.9	45.9	45.3
42.5°	1645.7	1105.8	137.1	100.3	83.9	66.4	54.4	47.7	42.3	39.3	38.7
45°	1787.0	1158.3	119.6	91.8	74.3	57.4	47.1	41.1	36.2	32.6	32.0
47.5°	1991.8	1249.5	108.1	83.9	65.8	49.5	40.5	34.4	30.2	27.2	26.6
50°	2209.8	1358.8	98.4	76.1	58.6	42.9	34.4	28.4	24.8	21.7	21.1
52.5°	2442.3	1476.6	91.2	68.8	51.9	36.8	29.0	23.6	19.9	16.9	16.3
55°	2665.8	1595.0	82.7	64.0	44.1	31.4	24.2	19.3	15.7	13.3	13.3
57.5°	2883.2	1703.7	73.7	56.2	36.2	26.6	19.9	15.7	12.7	10.9	10.3
60°	3142.9	1854.1	63.4	47.7	30.2	22.3	16.3	12.7	10.3	8.5	8.5
62.5°	3528.8	2010.5	54.4	39.9	25.4	18.7	13.3	10.3	8.5	7.2	6.6
65°	3655.0	1925.9	45.9	32.6	20.5	15.1	10.9	9.1	7.2	6.6	6.0
67.5°	3318.0	1578.7	38.0	26.6	16.9	12.7	9.7	7.9	6.6	6.0	5.4
70°	2589.1	1120.3	29.6	19.9	13.9	10.3	8.5	7.2	6.0	5.4	5.4
72.5°	1761.1	662.5	23.6	15.1	11.5	9.1	7.2	6.6	6.0	5.4	4.8
75°	867.2	235.5	18.1	11.5	9.1	7.9	6.6	6.0	5.4	4.8	4.8
77.5°	233.7	65.2	13.9	9.1	7.2	6.0	6.0	6.0	5.4	4.2	4.2
80°	79.1	27.2	10.3	6.6	6.0	4.8	4.2	5.4	4.8	4.2	3.6
82.5°	43.5	13.3	7.2	5.4	4.2	3.6	3.6	3.6	3.6	3.0	3.0
85°	27.8	7.2	4.8	4.2	4.2	3.0	2.4	2.4	1.8	1.8	1.8
87.5°	12.7	4.2	4.2	3.6	3.6	3.0	1.8	1.2	0.6	0.6	0.6
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)