

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: P631270

Luminaire Tested: GWS-SA1F-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631270
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6730 lumens
Efficiency: N/A
Efficacy: 100.1 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

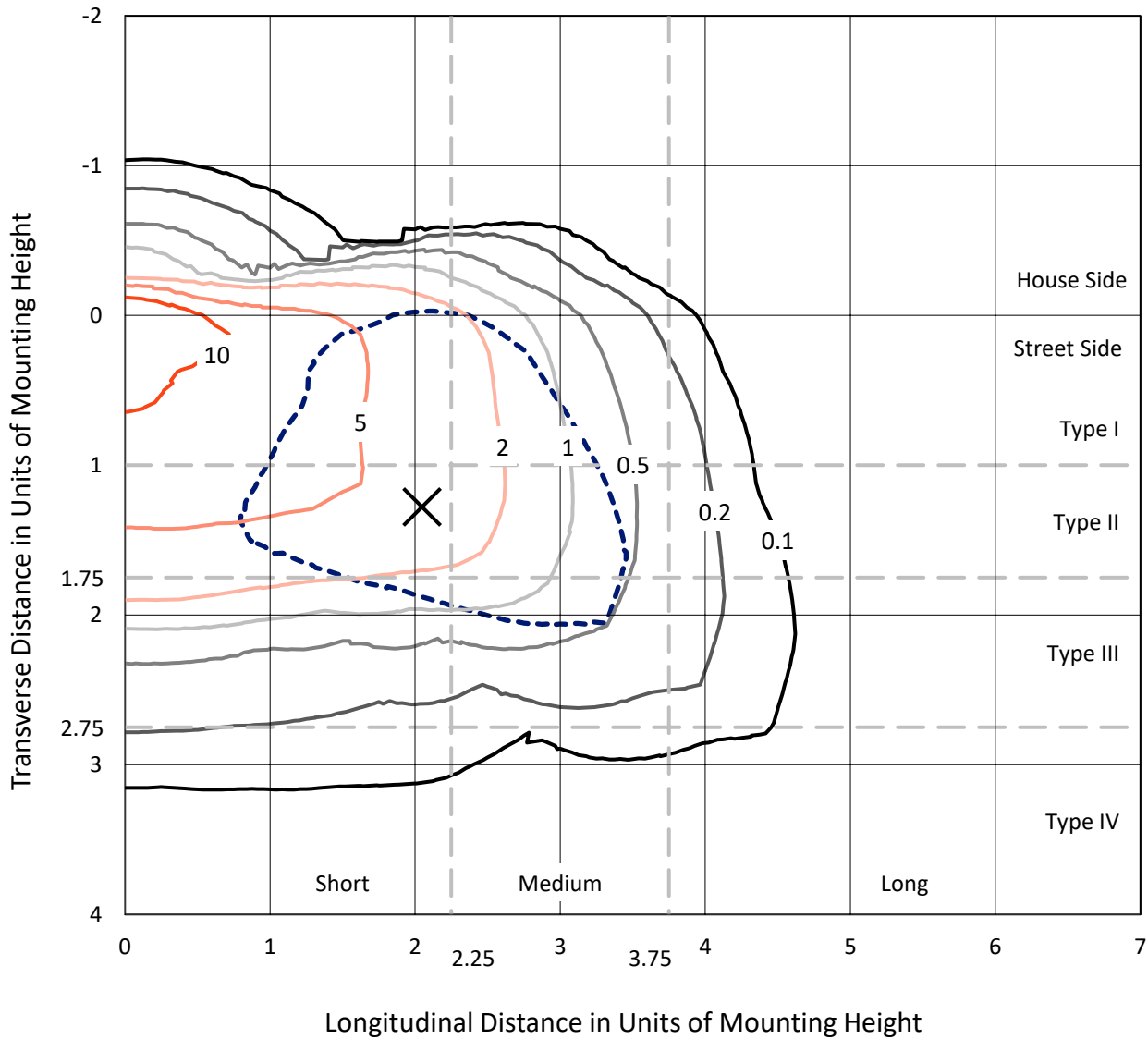
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

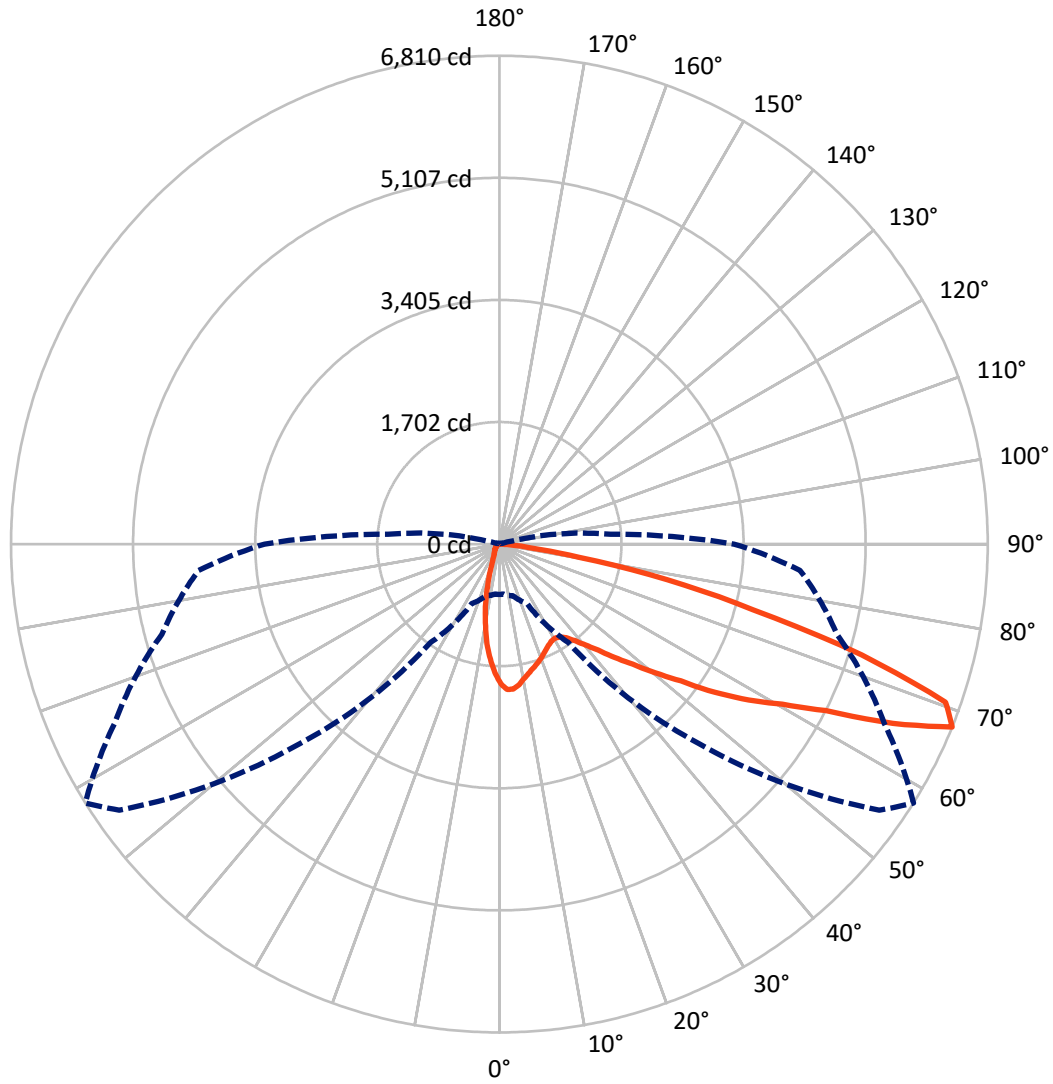
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 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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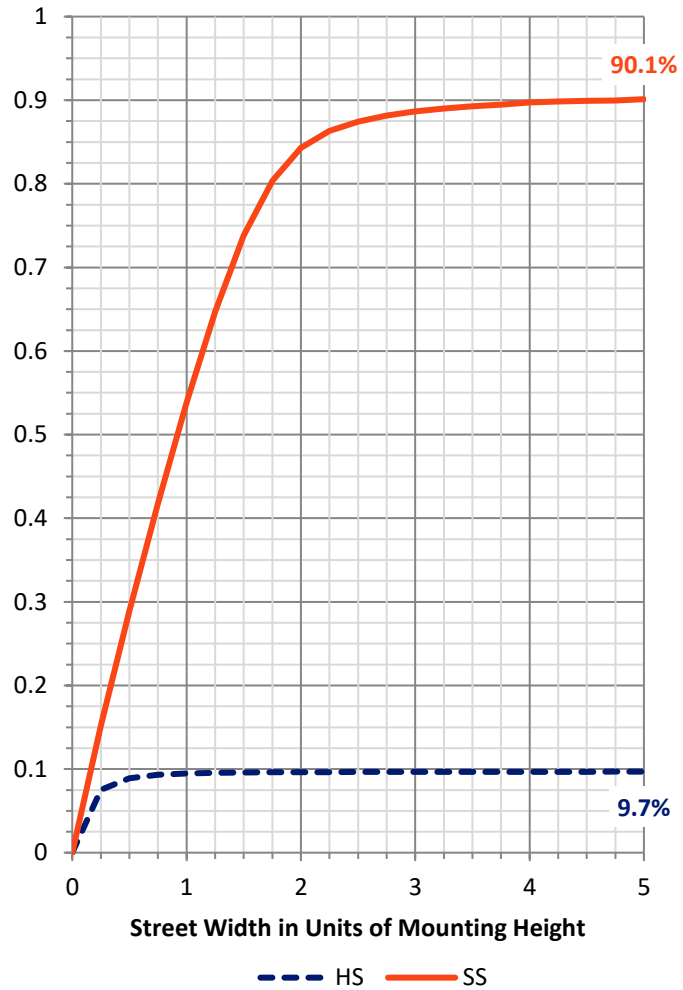
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	657.5	0.0	657.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6072.5	0.0	6072.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	6730.0	0.0	6730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.3
10°-20°	328.4	4.9
20°-30°	442.8	6.6
30°-40°	622.3	9.2
40°-50°	961.0	14.3
50°-60°	1536.8	22.8
60°-70°	1819.7	27.0
70°-80°	805.0	12.0
80°-90°	56.3	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°	6730.0	100.0
0°-180°	6730.0	100.0

Coefficient of Utilization



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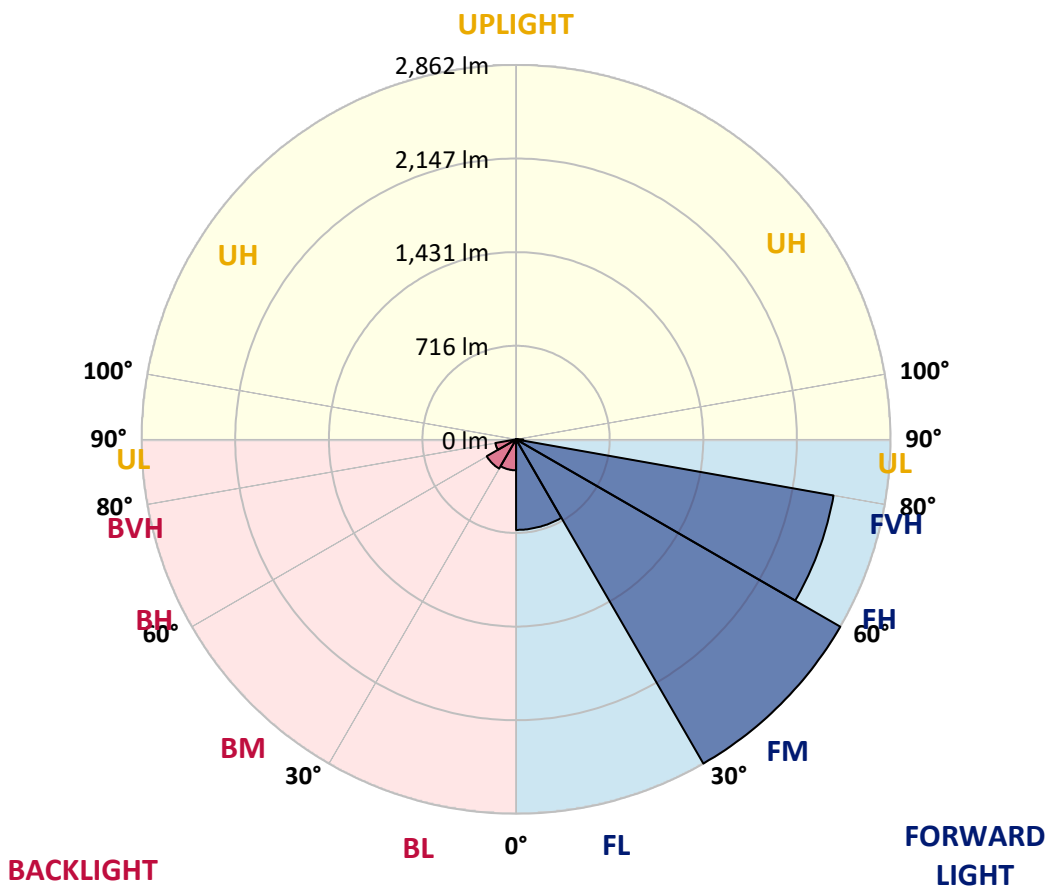
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	692.3	10.3			
FM (30°-60°)	2862.1	42.5			
FH (60°-80°)	2464.2	36.6			G2/5000
FVH (80°-90°)	53.9	0.8			G1/100
BL (0°-30°)	236.6	3.5	B1/500		
BM (30°-60°)	258.0	3.8	B1/1000		
BH (60°-80°)	160.5	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°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
2.5°	2041.9	2045.5	2050.3	2056.2	2055.0	2049.7	2043.1	2028.2	2018.7	1988.9	1952.6
5°	1976.4	1975.8	1987.7	1999.0	2019.3	2030.0	2044.9	2031.2	2026.4	1990.7	1931.7
7.5°	1848.3	1854.9	1868.6	1886.4	1915.6	1947.2	1982.9	1978.8	1993.1	1969.2	1896.0
10°	1722.6	1719.1	1740.5	1767.3	1812.0	1852.5	1904.3	1903.7	1941.2	1938.9	1855.5
12.5°	1612.4	1611.8	1628.5	1658.9	1711.3	1767.9	1838.2	1840.0	1886.4	1905.5	1820.9
15°	1519.5	1520.7	1536.8	1568.4	1622.6	1691.7	1773.3	1788.2	1840.6	1879.3	1787.0
17.5°	1453.4	1454.0	1463.5	1490.9	1543.9	1617.8	1716.1	1736.3	1803.7	1859.6	1759.6
20°	1423.0	1420.6	1422.4	1436.1	1477.2	1544.5	1657.7	1683.9	1769.7	1845.9	1734.6
22.5°	1427.2	1423.6	1415.3	1413.5	1432.0	1483.2	1595.8	1627.9	1732.8	1837.6	1711.9
25°	1464.1	1456.4	1444.5	1426.6	1419.5	1445.1	1541.6	1574.9	1698.2	1838.2	1694.6
27.5°	1520.7	1512.4	1497.5	1473.7	1445.7	1434.9	1504.6	1536.2	1673.8	1851.9	1686.3
30°	1592.8	1586.2	1571.9	1543.3	1505.8	1461.7	1496.9	1523.1	1661.9	1879.9	1689.9
32.5°	1678.0	1673.2	1661.3	1635.1	1592.2	1524.9	1523.1	1543.3	1671.4	1920.4	1703.6
35°	1760.2	1762.0	1762.6	1748.3	1702.4	1620.8	1595.2	1602.3	1710.7	1981.2	1734.6
37.5°	1848.9	1844.8	1866.2	1876.3	1832.2	1745.3	1706.6	1707.2	1785.8	2071.1	1792.9
40°	1916.2	1917.4	1963.9	2005.6	1987.1	1903.1	1847.7	1847.1	1901.3	2194.4	1887.0
42.5°	1979.4	1987.1	2055.6	2127.1	2152.7	2078.2	2038.3	2023.4	2063.4	2361.2	2028.2
45°	2046.7	2058.0	2153.9	2255.8	2323.1	2279.0	2247.4	2253.4	2258.1	2555.4	2218.2
47.5°	2125.3	2132.5	2251.0	2394.5	2520.2	2508.9	2510.7	2503.5	2501.2	2800.2	2469.6
50°	2220.6	2237.3	2373.7	2545.2	2716.8	2791.8	2816.9	2819.8	2781.1	3067.0	2729.9
52.5°	2423.1	2443.4	2560.1	2710.2	2931.2	3089.1	3190.9	3170.7	3111.1	3325.6	3015.2
55°	2662.0	2677.5	2790.1	2945.5	3193.3	3414.9	3656.7	3648.4	3502.5	3597.8	3249.9
57.5°	2684.6	2701.9	2876.4	3114.7	3529.9	3817.6	4071.9	4098.7	3884.9	3790.8	3459.6
60°	2430.3	2465.4	2703.7	3024.2	3658.5	4359.0	4527.0	4532.4	4165.4	3986.7	3715.7
62.5°	1947.8	1964.5	2204.5	2622.7	3460.2	4674.7	5222.1	5109.0	4525.8	4289.9	4121.4
65°	1021.0	1088.9	1297.9	1760.8	2806.1	4564.5	6058.4	6027.5	5173.9	4724.2	4437.1
67.5°	700.5	699.9	749.3	917.9	1673.2	3930.1	6468.8	6809.6	5923.2	4873.1	4208.3
70°	533.1	534.9	579.0	688.6	866.7	2616.1	6018.5	6601.1	6062.6	4424.5	3403.6
72.5°	353.8	357.4	430.7	556.3	692.2	1282.5	4677.1	5281.7	5101.2	3553.7	2395.7
75°	211.5	214.4	266.9	404.5	615.3	717.8	2971.7	3651.4	3511.4	2449.3	1284.2
77.5°	87.0	89.3	137.0	252.0	450.3	557.5	1643.4	2389.2	2103.3	973.9	350.8
80°	36.3	37.5	66.1	176.3	324.6	349.7	761.3	1122.8	861.9	209.7	107.2
82.5°	13.1	13.7	24.4	97.1	201.9	263.3	384.2	443.8	243.0	68.5	57.8
85°	0.6	0.6	6.0	32.8	76.8	74.5	219.8	212.6	80.4	28.6	34.5
87.5°	0.0	0.0	0.6	0.6	1.2	3.0	20.8	36.9	17.3	7.1	14.9
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°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
2.5°	1928.7	1897.2	1862.6	1830.5	1779.2	1748.9	1711.3	1694.6	1670.8	1664.9	1668.4
5°	1889.4	1835.2	1752.4	1677.4	1580.3	1502.2	1423.6	1390.3	1347.4	1318.8	1306.9
7.5°	1834.0	1763.1	1633.9	1497.5	1364.1	1221.7	1113.3	1041.8	976.9	941.1	934.0
10°	1778.0	1685.7	1500.5	1305.1	1098.4	928.0	781.5	673.1	584.9	545.0	514.1
12.5°	1720.3	1605.3	1364.7	1109.7	869.7	637.4	456.3	350.8	287.7	262.7	266.9
15°	1667.2	1527.9	1230.0	914.3	612.3	384.8	252.0	212.6	197.8	193.0	192.4
17.5°	1616.6	1454.6	1096.0	724.3	403.9	235.9	193.0	183.5	179.3	176.9	176.9
20°	1570.7	1384.3	965.0	545.6	260.9	187.0	174.5	169.8	166.2	164.4	164.4
22.5°	1527.9	1316.4	836.9	386.0	192.4	168.0	160.2	155.5	151.3	148.9	148.9
25°	1489.1	1255.1	714.8	265.7	165.6	153.7	145.3	140.0	132.8	128.7	128.7
27.5°	1461.1	1200.2	597.4	193.6	149.5	138.2	128.7	121.5	113.8	109.0	107.8
30°	1444.5	1153.8	478.9	159.0	134.6	123.3	112.6	103.6	94.7	89.9	89.3
32.5°	1434.9	1110.9	370.5	138.8	122.1	109.0	97.1	87.6	78.6	73.3	72.7
35°	1438.5	1077.5	277.6	125.1	110.2	96.5	83.4	73.9	66.1	61.4	60.2
37.5°	1469.5	1062.7	208.5	114.4	100.1	85.8	72.1	63.1	56.0	52.4	51.8
40°	1529.6	1065.6	163.8	106.0	91.7	75.1	61.9	53.6	48.2	45.3	44.7
42.5°	1623.2	1090.6	135.2	98.9	82.8	65.5	53.6	47.1	41.7	38.7	38.1
45°	1762.6	1142.5	117.9	90.5	73.3	56.6	46.5	40.5	35.7	32.2	31.6
47.5°	1964.5	1232.4	106.6	82.8	64.9	48.8	39.9	34.0	29.8	26.8	26.2
50°	2179.5	1340.2	97.1	75.1	57.8	42.3	34.0	28.0	24.4	21.4	20.8
52.5°	2408.8	1456.4	89.9	67.9	51.2	36.3	28.6	23.2	19.7	16.7	16.1
55°	2629.2	1573.1	81.6	63.1	43.5	31.0	23.8	19.1	15.5	13.1	13.1
57.5°	2843.7	1680.3	72.7	55.4	35.7	26.2	19.7	15.5	12.5	10.7	10.1
60°	3099.8	1828.7	62.5	47.1	29.8	22.0	16.1	12.5	10.1	8.3	8.3
62.5°	3480.4	1982.9	53.6	39.3	25.0	18.5	13.1	10.1	8.3	7.1	6.6
65°	3604.9	1899.6	45.3	32.2	20.3	14.9	10.7	8.9	7.1	6.6	6.0
67.5°	3272.5	1557.0	37.5	26.2	16.7	12.5	9.5	7.7	6.6	6.0	5.4
70°	2553.6	1104.9	29.2	19.7	13.7	10.1	8.3	7.1	6.0	5.4	5.4
72.5°	1736.9	653.4	23.2	14.9	11.3	8.9	7.1	6.6	6.0	5.4	4.8
75°	855.4	232.3	17.9	11.3	8.9	7.7	6.6	6.0	5.4	4.8	4.8
77.5°	230.5	64.3	13.7	8.9	7.1	6.0	6.0	6.0	5.4	4.2	4.2
80°	78.0	26.8	10.1	6.6	6.0	4.8	4.2	5.4	4.8	4.2	3.6
82.5°	42.9	13.1	7.1	5.4	4.2	3.6	3.6	3.6	3.6	3.0	3.0
85°	27.4	7.1	4.8	4.2	4.2	3.0	2.4	2.4	1.8	1.8	1.8
87.5°	12.5	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)