

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: P631271

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8141.8 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

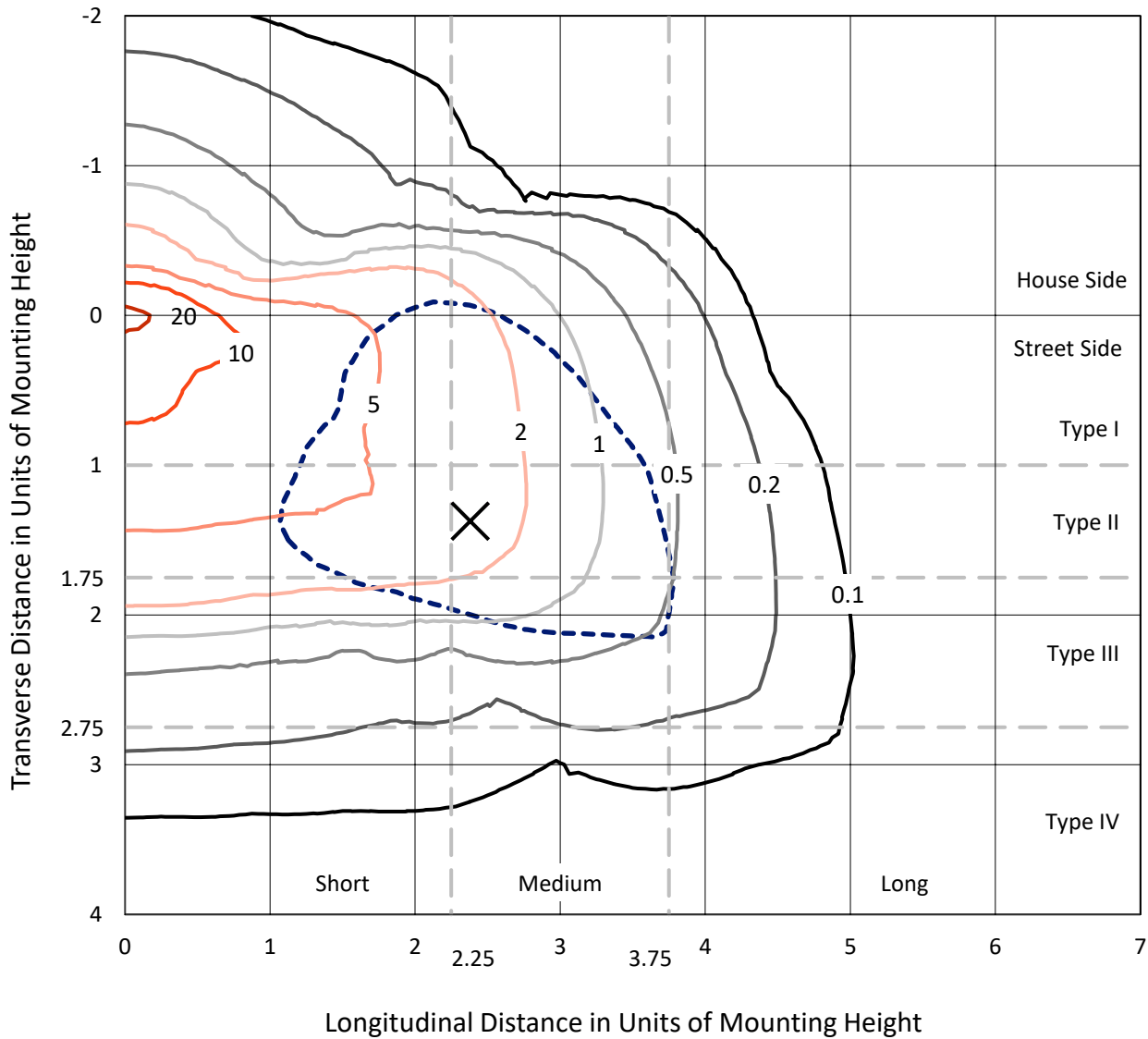
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

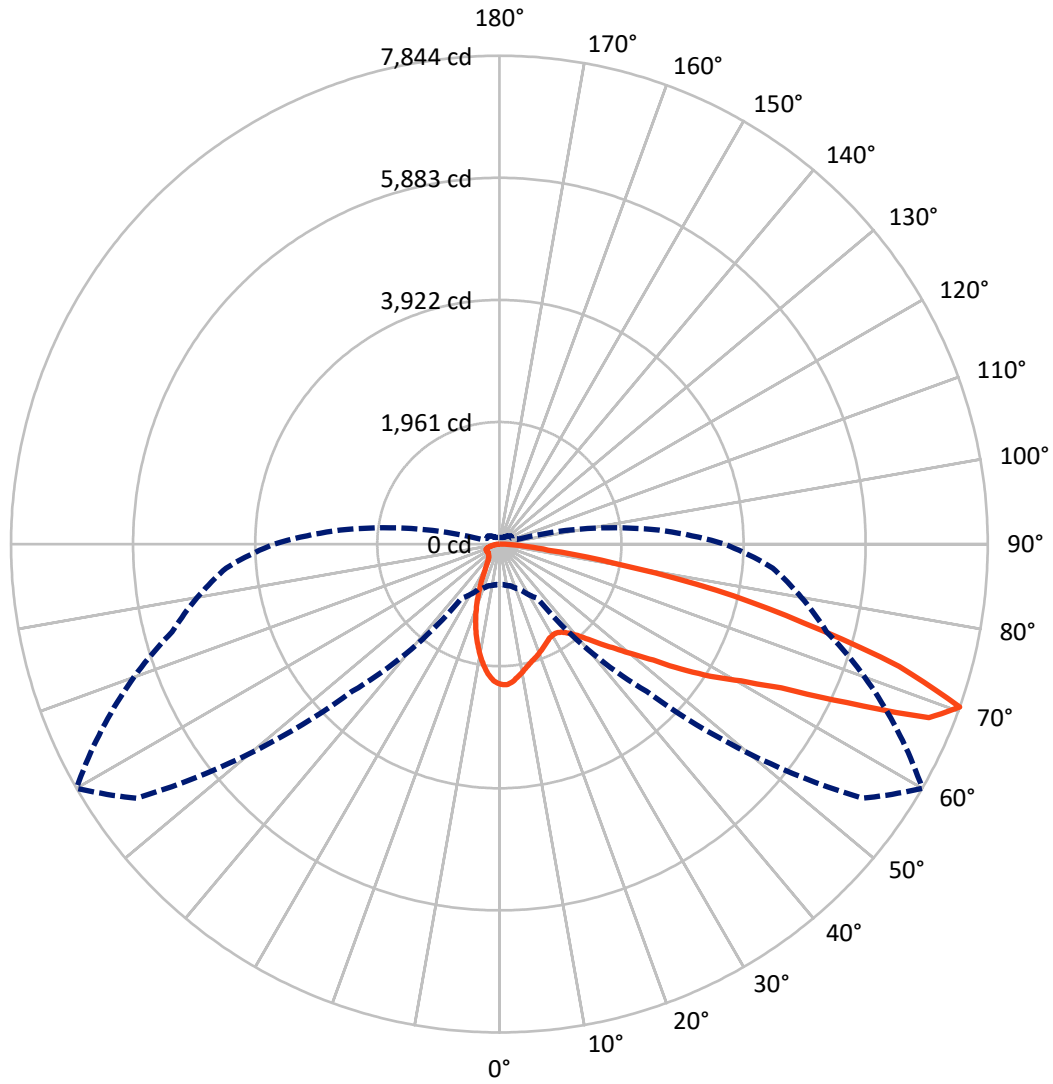
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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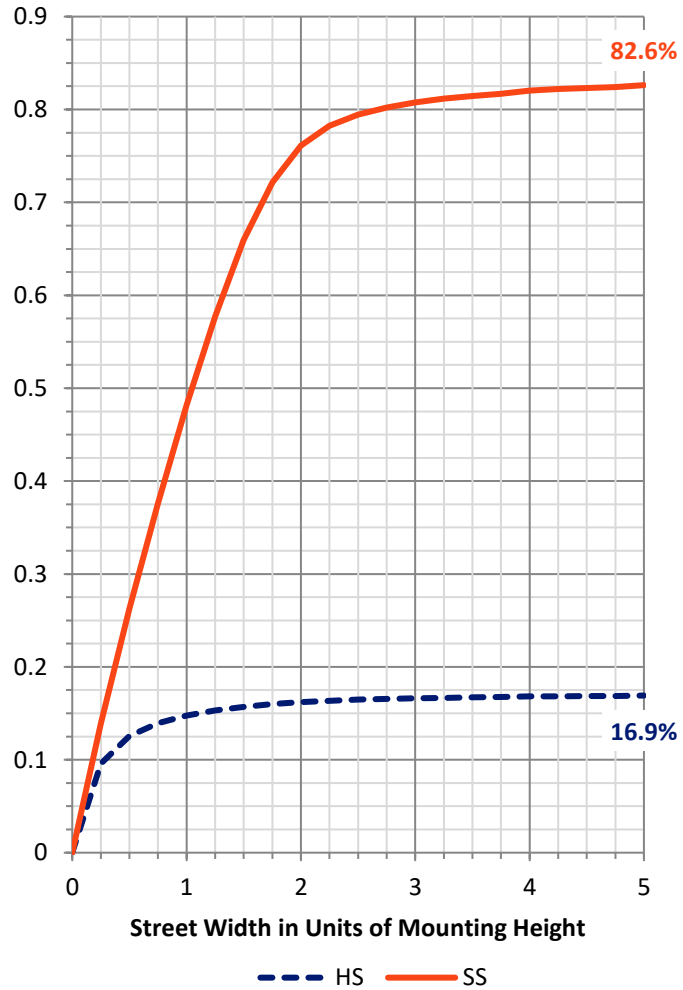
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1392.4	0.0	1392.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	6749.4	0.0	6749.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	8141.8	0.0	8141.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	2.4
10°-20°	435.1	5.3
20°-30°	557.2	6.8
30°-40°	732.2	9.0
40°-50°	1062.4	13.0
50°-60°	1657.6	20.4
60°-70°	2170.1	26.7
70°-80°	1200.0	14.7
80°-90°	133.2	1.6
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°	8141.8	100.0
0°-180°	8141.8	100.0

Coefficient of Utilization



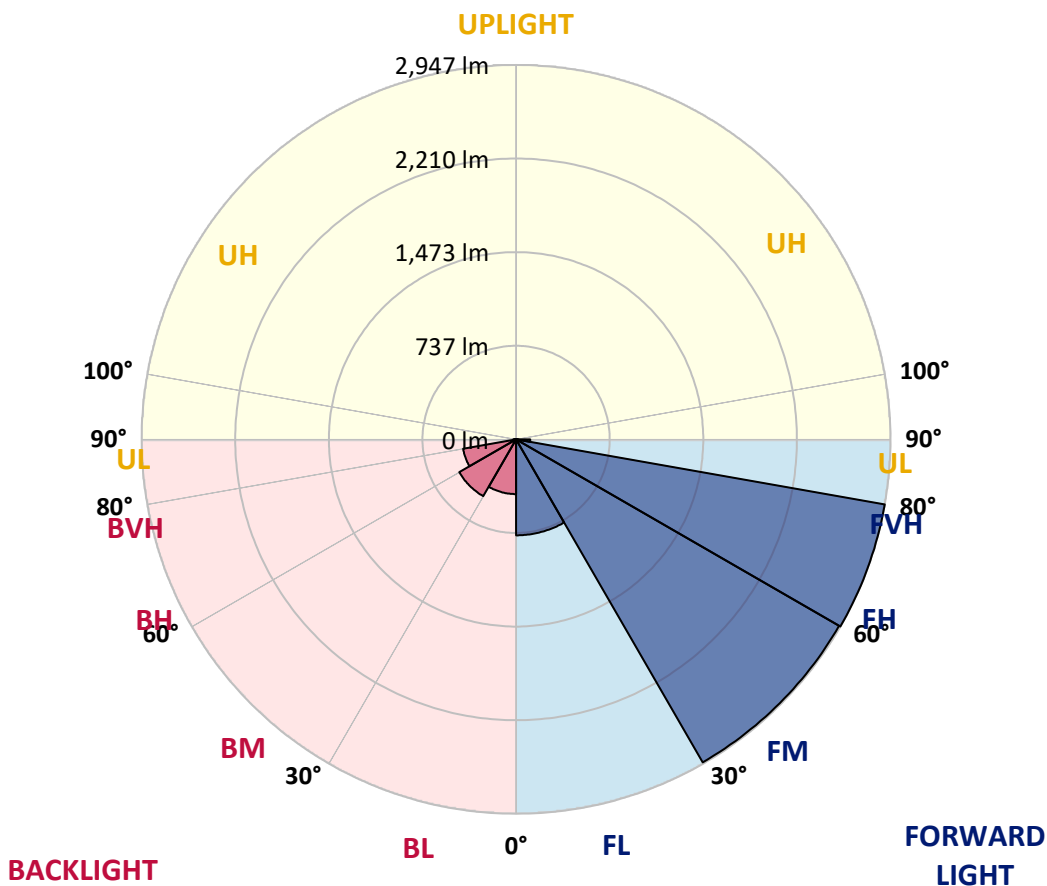
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.6	9.3			
FM (30°-60°)	2935.9	36.1			
FH (60°-80°)	2946.9	36.2			G2/5000
FVH (80°-90°)	111.0	1.4			G2/225
BL (0°-30°)	430.8	5.3	B1/500		
BM (30°-60°)	516.3	6.3	B1/1000		
BH (60°-80°)	423.2	5.2	B1/500		G1/500
BVH (80°-90°)	22.2	0.3			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9
2.5°	2221.4	2223.8	2230.3	2239.8	2249.4	2254.1	2266.0	2262.5	2260.1	2255.3	2249.4
5°	2123.1	2127.8	2133.8	2152.3	2173.1	2189.8	2216.6	2219.6	2220.8	2223.2	2213.6
7.5°	1998.0	1999.2	2013.5	2037.9	2065.3	2093.9	2138.6	2151.1	2161.8	2173.7	2166.0
10°	1859.8	1862.8	1873.5	1908.6	1955.7	1998.0	2058.1	2079.0	2101.6	2127.8	2117.1
12.5°	1746.6	1747.2	1764.5	1802.0	1853.2	1910.4	1985.5	2010.5	2040.3	2081.4	2071.8
15°	1656.6	1656.6	1672.7	1704.9	1763.9	1831.2	1920.5	1952.7	1993.2	2048.6	2031.9
17.5°	1585.2	1585.8	1595.9	1629.8	1682.3	1756.7	1862.8	1906.2	1950.9	2024.2	1999.2
20°	1547.6	1544.7	1546.4	1567.3	1612.0	1684.0	1805.0	1855.6	1915.8	2007.5	1969.4
22.5°	1545.8	1540.5	1532.7	1534.5	1560.7	1620.3	1743.0	1804.4	1880.0	1993.8	1939.0
25°	1576.2	1570.3	1556.6	1541.1	1538.7	1574.4	1684.6	1754.3	1843.1	1987.9	1909.8
27.5°	1627.5	1623.3	1605.4	1582.2	1557.8	1556.6	1640.6	1713.2	1816.3	1993.8	1889.0
30°	1695.4	1688.2	1676.9	1647.1	1610.2	1572.1	1623.3	1691.2	1798.4	2012.9	1880.0
32.5°	1772.2	1768.0	1757.3	1727.5	1688.2	1627.5	1637.0	1696.0	1798.4	2046.2	1881.8
35°	1853.8	1853.2	1853.2	1833.6	1790.1	1714.4	1691.2	1736.5	1825.8	2099.8	1900.9
37.5°	1933.0	1932.5	1951.5	1958.7	1909.2	1827.6	1783.5	1817.5	1886.0	2179.1	1947.9
40°	1997.4	1999.8	2041.5	2077.2	2049.8	1974.2	1912.2	1929.5	1983.7	2291.7	2030.1
42.5°	2062.3	2068.9	2131.4	2194.6	2205.3	2139.8	2077.2	2087.3	2123.7	2440.6	2152.9
45°	2133.2	2136.2	2223.8	2311.9	2363.7	2325.0	2273.8	2287.5	2295.8	2624.7	2335.7
47.5°	2201.7	2209.5	2322.6	2443.6	2541.9	2538.3	2509.7	2505.5	2507.3	2848.6	2552.0
50°	2295.2	2306.6	2439.4	2585.3	2729.5	2795.6	2804.0	2772.4	2759.3	3097.6	2821.2
52.5°	2472.8	2472.8	2591.9	2735.5	2929.1	3092.9	3148.9	3097.0	3055.4	3360.9	3107.2
55°	2695.0	2704.5	2799.2	2915.4	3160.8	3405.6	3595.1	3537.9	3419.9	3647.5	3406.8
57.5°	2793.8	2805.8	2955.9	3136.4	3464.0	3761.3	4024.0	4003.7	3831.5	3945.3	3717.8
60°	2615.1	2640.1	2846.9	3149.5	3738.6	4334.9	4520.2	4461.2	4215.2	4258.1	4054.9
62.5°	2181.5	2208.9	2438.2	2860.6	3700.5	4955.0	5302.3	5084.9	4694.1	4653.0	4504.1
65°	1301.6	1300.4	1576.2	2136.2	3230.5	5127.2	6540.2	6134.5	5434.0	5195.1	4966.4
67.5°	827.4	825.6	883.4	1131.8	2149.9	4705.4	7336.1	7441.5	6438.9	5593.6	5004.5
70°	652.9	652.3	694.0	807.2	1063.3	3348.4	7114.5	7844.2	7046.0	5441.7	4406.4
72.5°	476.0	477.2	541.5	676.1	820.3	1681.1	5761.0	6711.8	6480.6	4803.7	3577.2
75°	341.9	343.7	382.4	517.7	756.5	919.2	3831.0	5046.8	4930.6	3850.6	2460.8
77.5°	217.4	219.8	253.8	362.8	611.2	742.2	2322.6	3562.9	3280.5	2169.5	875.1
80°	132.8	140.6	169.2	270.4	488.5	557.0	1161.0	1877.1	1642.9	595.1	294.3
82.5°	68.5	74.5	101.9	167.4	336.6	489.1	657.1	788.7	508.7	249.0	156.7
85°	21.4	25.0	35.7	67.9	160.2	303.2	434.9	392.0	233.5	117.4	72.7
87.5°	5.4	5.4	6.0	6.0	6.6	13.7	84.0	88.8	62.0	36.9	29.8
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°	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9	2252.9
2.5°	2237.5	2223.2	2217.2	2216.6	2201.7	2180.3	2166.0	2155.8	2149.9	2148.7	2148.7
5°	2197.5	2179.1	2154.7	2136.2	2096.3	2055.8	2021.8	2002.7	1980.7	1977.7	1977.1
7.5°	2144.5	2117.7	2071.3	2019.4	1949.7	1882.4	1825.2	1786.5	1747.8	1740.6	1738.3
10°	2087.3	2051.0	1971.8	1880.6	1776.4	1675.7	1588.1	1519.6	1474.4	1442.2	1436.2
12.5°	2030.7	1982.5	1866.3	1730.5	1587.5	1449.9	1318.3	1206.3	1125.3	1078.2	1069.9
15°	1977.7	1910.4	1751.4	1578.0	1392.2	1203.9	1017.5	872.1	758.3	717.8	708.3
17.5°	1929.5	1845.5	1640.0	1420.2	1188.4	942.4	730.3	601.1	534.3	514.1	509.3
20°	1881.2	1778.8	1526.8	1254.0	972.2	696.4	533.7	473.0	448.0	440.2	437.8
22.5°	1829.4	1705.5	1403.5	1090.1	753.6	521.2	436.6	409.8	402.1	402.7	402.1
25°	1777.6	1631.0	1274.2	912.0	561.2	422.9	381.2	371.1	372.9	378.3	379.5
27.5°	1734.7	1564.9	1147.3	716.6	438.4	364.0	344.3	343.7	350.3	357.4	358.6
30°	1703.7	1505.9	1022.2	551.0	361.0	323.5	315.7	319.3	327.0	332.4	334.2
32.5°	1681.7	1455.3	888.8	433.1	316.3	294.9	291.3	294.9	299.6	305.0	306.2
35°	1673.9	1418.4	757.7	353.3	285.9	274.0	271.6	273.4	275.8	278.8	280.0
37.5°	1691.2	1399.9	620.7	307.4	267.5	260.3	256.7	255.6	256.2	257.3	257.9
40°	1742.4	1408.2	508.7	280.6	255.6	249.0	243.0	240.7	240.1	241.3	240.7
42.5°	1830.6	1443.4	427.7	265.1	246.0	236.5	229.9	227.6	227.6	230.5	230.5
45°	1959.9	1512.5	369.3	253.8	237.7	225.8	218.6	217.4	219.8	224.6	225.2
47.5°	2149.3	1613.8	334.2	245.4	229.9	216.2	209.1	208.5	213.3	221.0	221.6
50°	2373.9	1759.7	315.1	239.5	224.6	208.5	201.3	201.9	207.3	215.6	217.4
52.5°	2644.3	1958.7	316.3	237.1	221.6	203.7	196.6	195.4	200.8	209.1	210.9
55°	2923.7	2200.5	339.5	237.7	217.4	201.3	191.8	187.6	192.4	198.4	199.0
57.5°	3231.1	2473.4	397.3	236.5	212.1	199.0	187.6	178.1	181.1	184.7	186.5
60°	3577.8	2794.4	521.8	238.9	209.7	193.6	179.3	166.8	166.2	168.6	169.2
62.5°	4041.2	3231.1	661.8	243.0	215.0	187.1	166.8	153.7	151.3	152.5	153.1
65°	4395.7	3439.6	617.7	239.5	226.4	182.3	154.9	141.2	136.4	135.2	135.2
67.5°	4251.5	3163.8	430.1	229.9	231.7	182.9	145.4	128.1	122.1	119.1	118.5
70°	3617.7	2569.9	299.0	220.4	225.8	181.7	135.2	117.4	109.6	105.4	104.8
72.5°	2858.2	1962.2	241.9	201.3	204.9	163.8	120.3	105.4	98.9	93.5	93.5
75°	1839.5	1197.4	201.9	179.3	167.4	127.5	104.2	94.1	87.6	82.2	82.2
77.5°	618.9	444.4	156.7	151.9	125.1	95.9	87.6	81.0	75.7	70.9	70.3
80°	251.4	210.9	115.0	115.0	87.6	73.3	68.5	65.5	62.0	56.0	56.0
82.5°	145.9	128.1	80.4	69.7	58.4	50.6	47.7	44.7	44.7	40.5	40.5
85°	70.3	70.9	48.3	42.9	33.4	29.2	28.0	26.2	25.6	23.2	22.6
87.5°	38.1	38.7	24.4	19.1	13.1	11.3	9.5	8.9	8.3	7.7	7.7
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)