

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: P631377

Luminaire Tested: GWS-SA1F-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8468.8 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

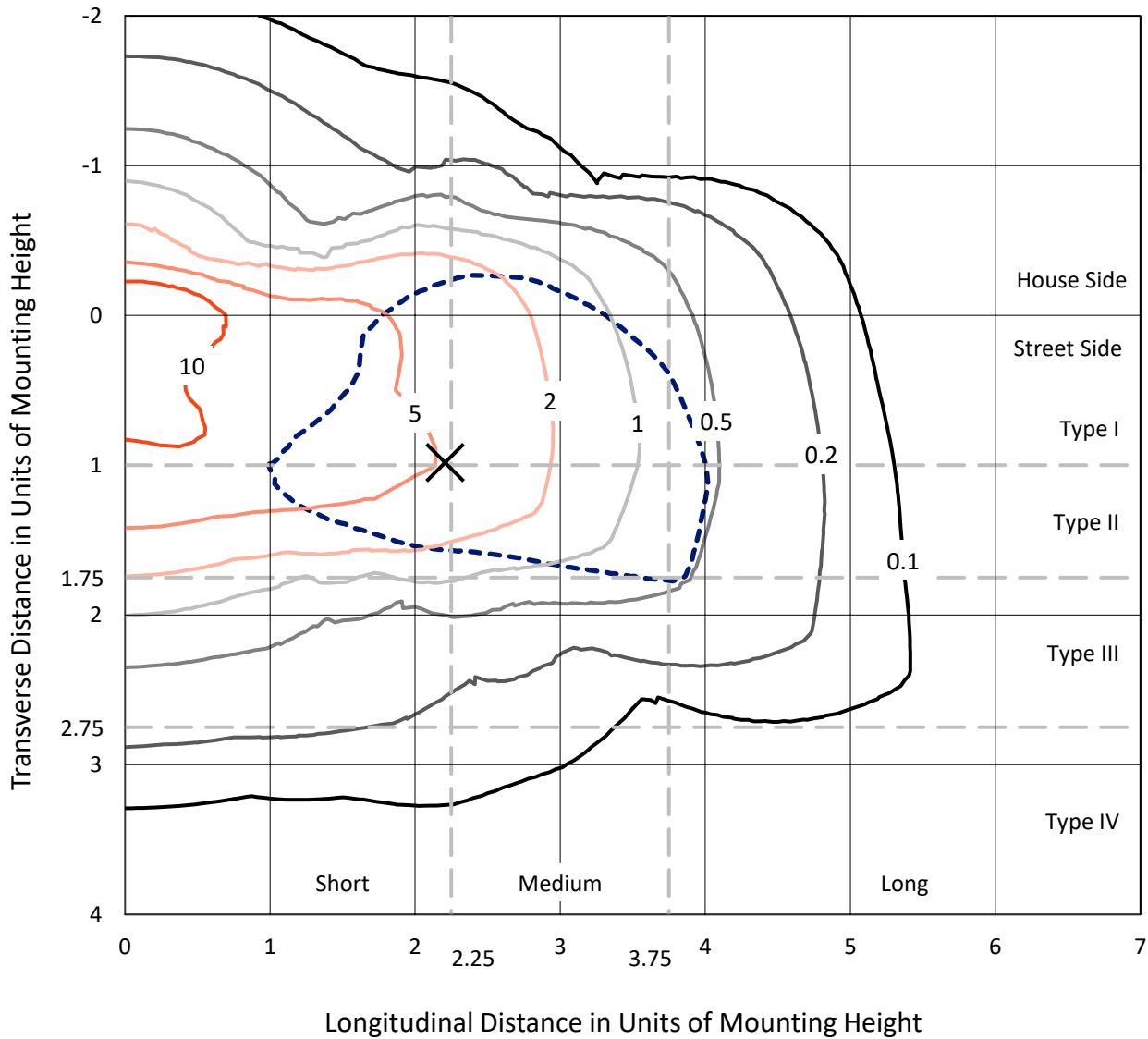
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

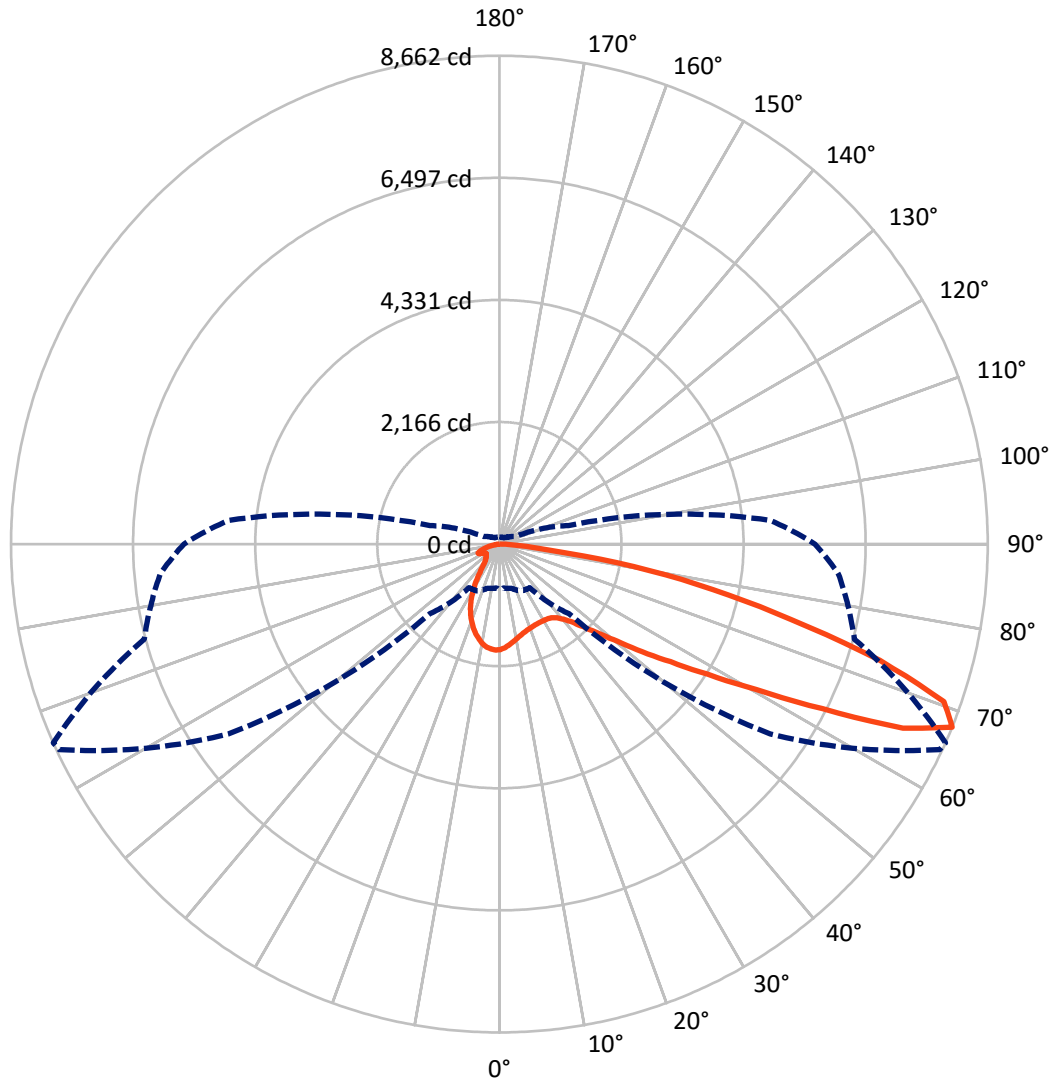
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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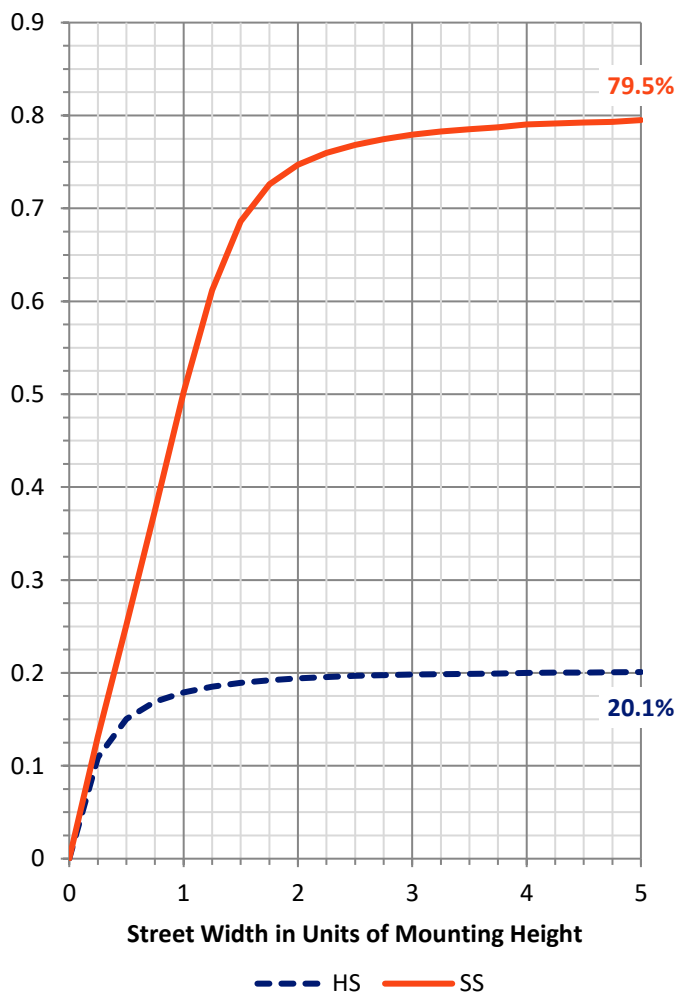
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1718.5	0.0	1718.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	6750.3	0.0	6750.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	8468.8	0.0	8468.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	1.9
10°-20°	403.6	4.8
20°-30°	554.8	6.6
30°-40°	758.5	9.0
40°-50°	1149.3	13.6
50°-60°	1786.7	21.1
60°-70°	2175.2	25.7
70°-80°	1325.0	15.6
80°-90°	151.4	1.8
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°	8468.8	100.0
0°-180°	8468.8	100.0

Coefficient of Utilization



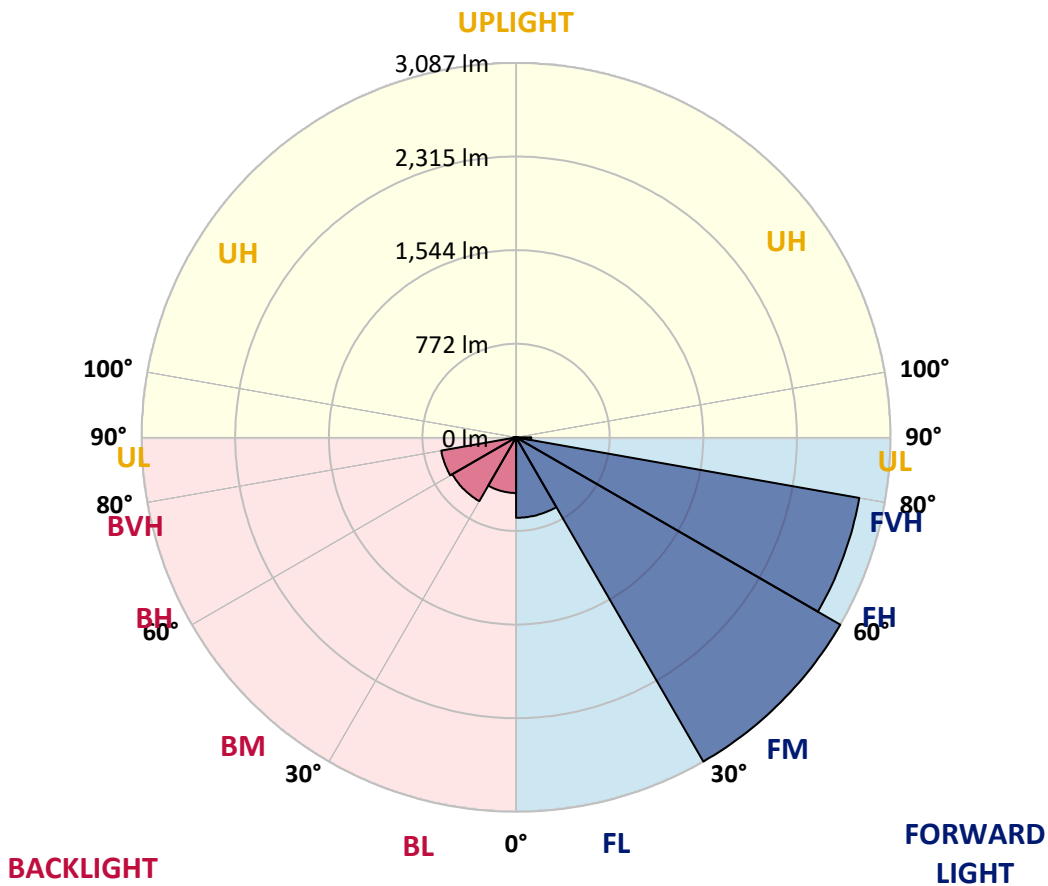
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.6	7.8			
FM (30°-60°)	3087.2	36.5			
FH (60°-80°)	2873.7	33.9			G2/5000
FVH (80°-90°)	125.8	1.5			G2/225
BL (0°-30°)	459.1	5.4	B1/500		
BM (30°-60°)	607.3	7.2	B1/1000		
BH (60°-80°)	626.6	7.4	B2/1000		G2/1000
BVH (80°-90°)	25.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4
2.5°	1752.7	1758.9	1755.2	1778.7	1779.9	1809.6	1826.3	1840.5	1841.7	1860.2	1872.6
5°	1632.9	1636.6	1636.6	1658.8	1673.7	1713.2	1751.5	1792.3	1795.4	1839.9	1873.8
7.5°	1535.9	1539.6	1537.1	1566.8	1585.9	1629.8	1678.6	1741.0	1747.2	1818.9	1878.2
10°	1459.9	1458.7	1464.8	1492.0	1516.7	1569.3	1623.6	1694.7	1703.9	1794.8	1883.1
12.5°	1408.0	1409.2	1412.9	1441.4	1467.9	1519.8	1576.0	1653.3	1663.2	1767.0	1880.6
15°	1383.3	1380.8	1383.9	1409.9	1435.2	1480.9	1539.0	1618.7	1628.6	1742.2	1881.2
17.5°	1377.7	1375.9	1375.3	1393.8	1412.9	1455.6	1511.2	1592.1	1602.6	1726.2	1885.0
20°	1395.0	1392.6	1385.8	1393.8	1401.8	1437.7	1491.4	1573.0	1584.7	1715.7	1892.4
22.5°	1442.6	1438.3	1427.8	1417.9	1407.4	1429.0	1479.1	1558.7	1570.5	1708.9	1899.8
25°	1514.9	1511.2	1500.1	1477.8	1439.5	1435.8	1476.6	1552.6	1564.3	1703.9	1902.9
27.5°	1614.4	1608.8	1597.7	1565.5	1503.1	1461.1	1485.8	1552.0	1563.1	1698.4	1899.8
30°	1732.4	1728.6	1722.5	1683.5	1600.1	1514.9	1506.9	1556.9	1565.5	1695.3	1893.6
32.5°	1852.2	1848.5	1853.4	1834.9	1732.4	1603.9	1552.6	1570.5	1576.7	1694.7	1888.0
35°	1957.9	1962.2	1998.0	2001.1	1900.4	1724.3	1624.9	1602.0	1603.2	1707.0	1890.5
37.5°	2068.4	2085.1	2132.1	2172.2	2088.2	1883.7	1732.4	1661.3	1660.1	1738.5	1906.0
40°	2214.9	2222.3	2282.2	2357.6	2305.1	2102.4	1885.0	1758.3	1749.7	1802.8	1947.4
42.5°	2357.6	2375.5	2471.3	2557.8	2540.5	2348.9	2077.1	1903.5	1888.0	1916.5	2032.6
45°	2539.2	2556.5	2664.0	2775.2	2806.7	2627.6	2323.0	2109.8	2094.4	2087.6	2188.9
47.5°	2720.9	2738.8	2835.2	2995.8	3106.4	2976.0	2643.0	2382.3	2357.0	2330.4	2424.9
50°	2843.2	2864.2	2956.2	3149.0	3408.5	3411.0	3022.4	2739.4	2707.3	2665.3	2757.3
52.5°	2838.9	2852.5	2940.2	3162.6	3626.0	3910.8	3530.2	3194.1	3168.2	3076.7	3157.0
55°	2615.8	2636.2	2724.6	3002.6	3649.4	4384.6	4276.5	3730.4	3684.0	3520.3	3608.7
57.5°	2167.9	2185.2	2274.2	2617.1	3441.2	4627.4	5224.3	4413.7	4350.0	4003.4	4105.4
60°	1636.6	1615.6	1657.6	1957.9	2943.3	4633.6	6060.8	5340.4	5234.1	4519.9	4605.2
62.5°	1228.2	1207.2	1216.5	1301.1	1995.5	4259.2	6537.7	6608.2	6432.7	5103.2	5086.5
65°	970.6	958.9	985.4	1043.5	1163.3	3243.5	6541.4	7979.1	7868.5	5779.0	5580.1
67.5°	790.8	783.4	810.6	918.1	943.4	1742.9	5865.5	8619.1	8662.4	6519.2	6037.9
70°	637.0	625.8	668.5	810.0	877.3	1054.6	4201.8	8292.9	8362.8	6960.3	5908.8
72.5°	439.9	440.5	462.1	656.1	847.0	910.7	2376.7	6905.3	7056.7	6560.6	5194.6
75°	296.6	299.0	305.2	433.1	780.3	883.5	1266.5	5228.0	5334.8	5422.6	4293.8
77.5°	179.2	180.4	194.6	262.0	538.1	824.8	858.1	3789.7	3873.7	3574.7	2661.6
80°	103.8	108.1	121.1	175.5	363.3	619.7	664.2	2323.6	2418.7	1589.0	845.8
82.5°	45.7	48.8	66.1	101.9	211.9	527.0	518.3	918.1	904.5	443.0	293.5
85°	8.0	9.9	14.2	32.1	77.8	278.0	402.2	405.3	381.2	168.0	121.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	60.5	108.7	108.1	47.6	42.0
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°	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4	1871.4
2.5°	1880.6	1864.0	1878.8	1880.6	1877.5	1875.1	1856.5	1840.5	1838.6	1821.3	1821.3
5°	1887.4	1872.0	1879.4	1865.2	1842.9	1820.1	1780.5	1753.4	1741.0	1718.8	1718.8
7.5°	1896.7	1880.6	1872.0	1836.8	1784.9	1734.8	1671.2	1618.1	1596.4	1564.9	1563.7
10°	1905.3	1885.0	1855.3	1786.7	1703.9	1624.2	1531.6	1456.2	1404.9	1367.2	1367.2
12.5°	1904.7	1878.2	1819.5	1718.1	1603.9	1488.3	1364.8	1251.1	1183.1	1124.4	1120.7
15°	1903.5	1867.0	1773.7	1638.4	1487.1	1327.1	1159.0	1010.7	910.0	852.6	847.6
17.5°	1902.3	1852.8	1722.5	1547.6	1345.0	1126.9	905.1	744.5	660.4	625.2	626.5
20°	1902.3	1836.8	1667.5	1443.2	1181.3	887.2	664.2	547.4	526.4	528.2	530.1
22.5°	1896.7	1817.0	1606.3	1329.5	999.0	652.4	489.9	450.4	461.5	478.8	481.3
25°	1883.7	1784.3	1535.3	1203.5	782.2	475.1	399.7	392.3	412.7	434.3	440.5
27.5°	1863.3	1746.6	1455.6	1055.8	575.8	381.8	351.5	350.9	367.0	383.0	388.6
30°	1841.7	1704.6	1371.6	891.5	417.0	332.4	320.6	320.6	328.7	338.6	337.3
32.5°	1816.4	1661.9	1281.4	720.4	339.8	304.6	300.9	299.0	300.3	304.0	304.0
35°	1794.8	1624.2	1188.7	539.4	304.6	289.1	285.4	281.1	279.3	276.8	278.0
37.5°	1786.7	1594.6	1092.9	406.5	287.3	278.0	271.8	265.7	261.3	260.1	259.5
40°	1799.7	1582.2	997.2	334.9	274.9	266.3	259.5	251.5	247.7	247.7	247.7
42.5°	1850.4	1591.5	899.5	302.7	266.3	256.4	246.5	239.1	237.9	239.1	239.7
45°	1943.0	1627.3	798.2	286.7	258.9	246.5	234.8	229.2	229.2	230.4	230.4
47.5°	2108.6	1721.2	698.1	276.8	251.5	238.5	226.1	220.6	219.9	221.2	221.2
50°	2395.3	1890.5	607.9	270.0	245.9	232.3	219.9	212.5	210.7	210.1	210.1
52.5°	2756.7	2184.0	550.5	265.0	239.1	225.5	213.1	203.3	199.6	197.7	197.7
55°	3193.5	2575.1	550.5	261.3	230.4	217.5	203.3	193.4	187.8	185.3	185.3
57.5°	3688.4	3030.4	645.6	258.2	223.6	208.2	192.8	182.9	176.7	173.0	173.0
60°	4191.9	3511.7	881.0	253.9	217.5	196.5	181.0	171.8	163.7	159.4	158.8
62.5°	4713.9	4041.8	1191.1	256.4	213.1	185.3	168.7	158.2	151.4	147.0	146.4
65°	5192.1	4546.5	1462.4	275.5	213.8	175.5	154.5	145.2	139.6	134.1	133.4
67.5°	5598.0	4825.1	1272.1	314.5	226.7	163.7	140.2	131.0	126.0	122.3	121.7
70°	5313.8	4400.1	721.6	338.6	244.7	151.4	124.2	118.0	113.1	110.6	110.0
72.5°	4544.0	3725.4	482.5	299.0	223.0	135.3	109.4	104.4	100.7	97.6	97.0
75°	3680.9	2954.4	368.8	245.3	173.6	110.0	93.9	90.2	86.5	83.4	82.8
77.5°	2177.8	1707.0	271.8	194.0	122.3	85.9	77.8	74.8	71.0	68.6	68.0
80°	695.0	593.1	172.4	133.4	80.9	66.1	59.9	57.5	53.7	50.7	50.0
82.5°	265.0	229.2	91.4	68.0	53.7	45.1	40.2	37.7	35.2	32.1	31.5
85°	117.4	110.0	50.7	36.5	29.0	22.2	19.8	18.5	15.4	13.0	12.4
87.5°	41.4	41.4	21.6	10.5	6.2	3.1	1.9	0.6	0.0	0.0	0.0
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)