

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: P633777

Luminaire Tested: GWS-SA2F-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15863.2 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 124.5
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

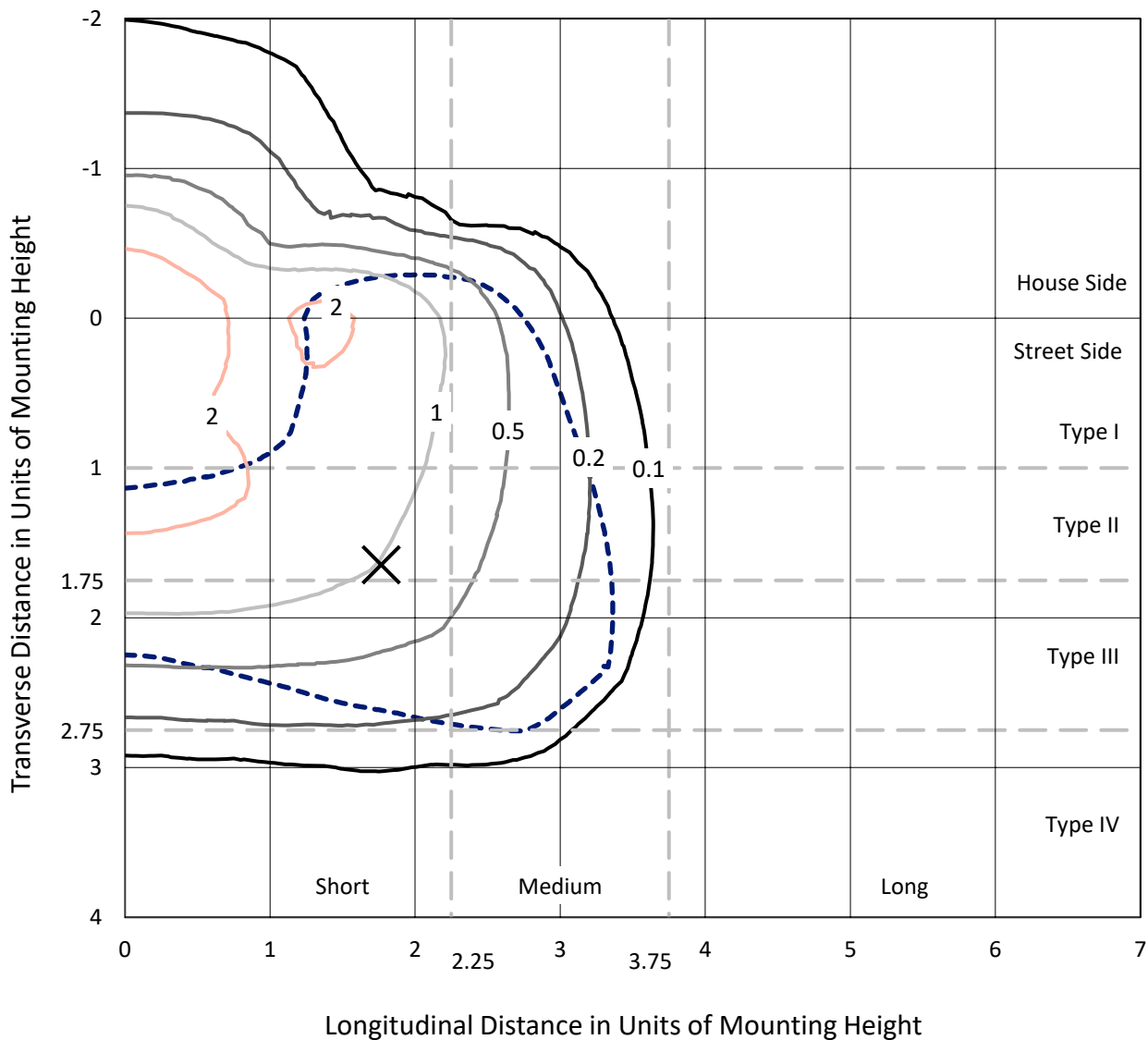


REPORT NUMBER: P633777

CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

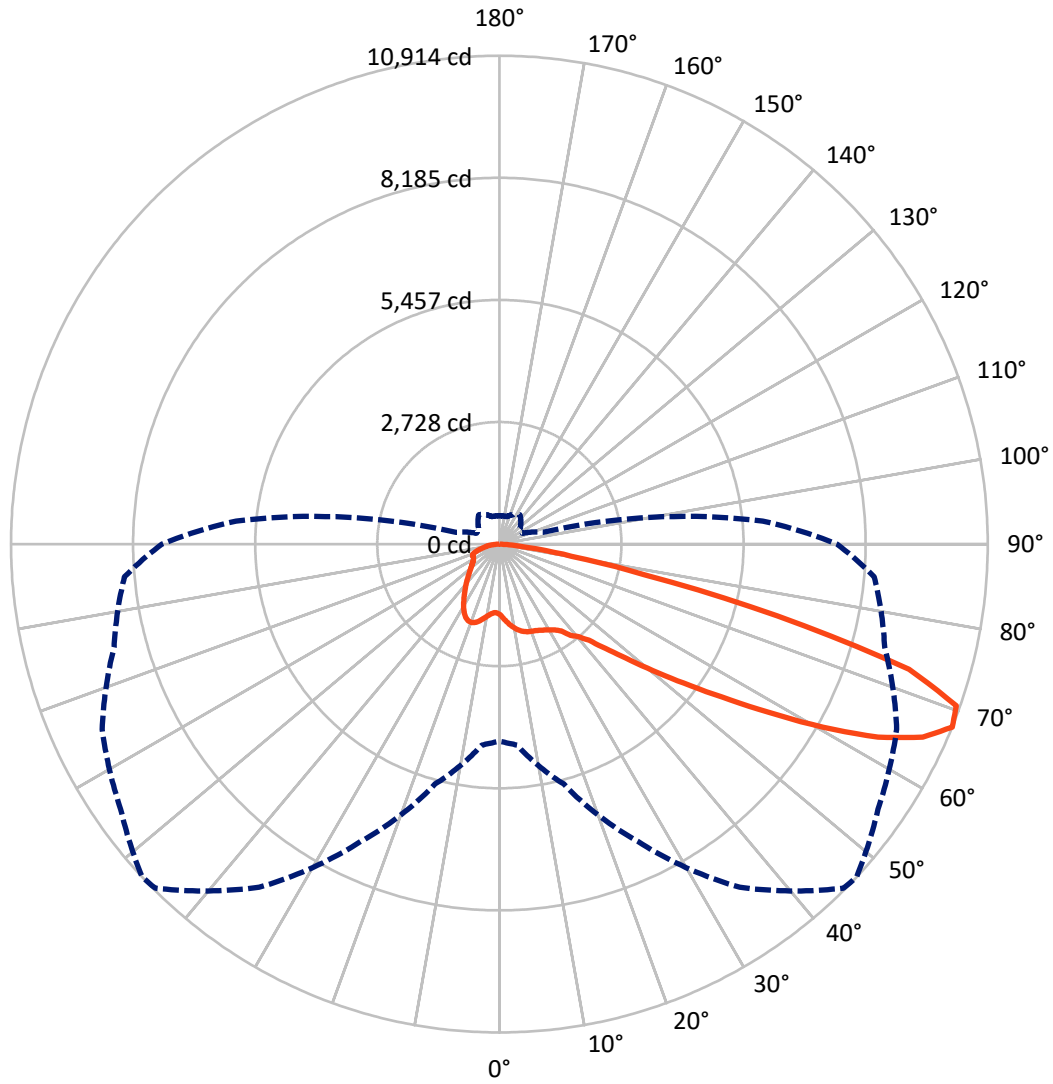
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P633777
CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P633777

CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

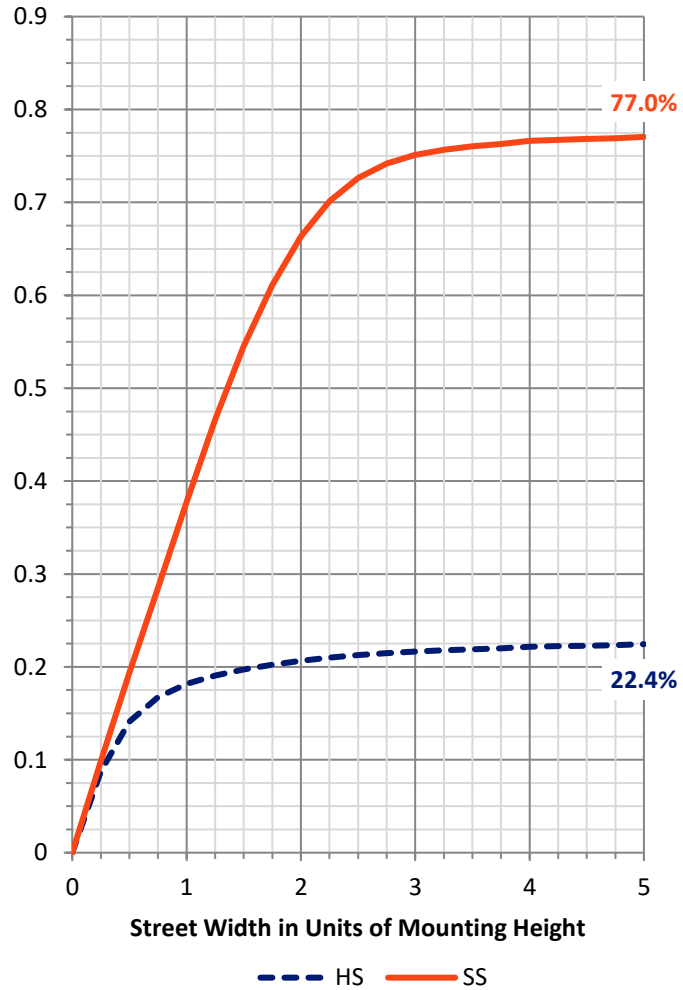
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3615.3	0.0	3615.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	12247.9	0.0	12247.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	15863.2	0.0	15863.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	1.0
10°-20°	535.4	3.4
20°-30°	910.1	5.7
30°-40°	1333.2	8.4
40°-50°	2031.3	12.8
50°-60°	3634.5	22.9
60°-70°	4849.8	30.6
70°-80°	2193.2	13.8
80°-90°	214.9	1.4
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°	15863.2	100.0
0°-180°	15863.2	100.0

Coefficient of Utilization



REPORT NUMBER: P633777

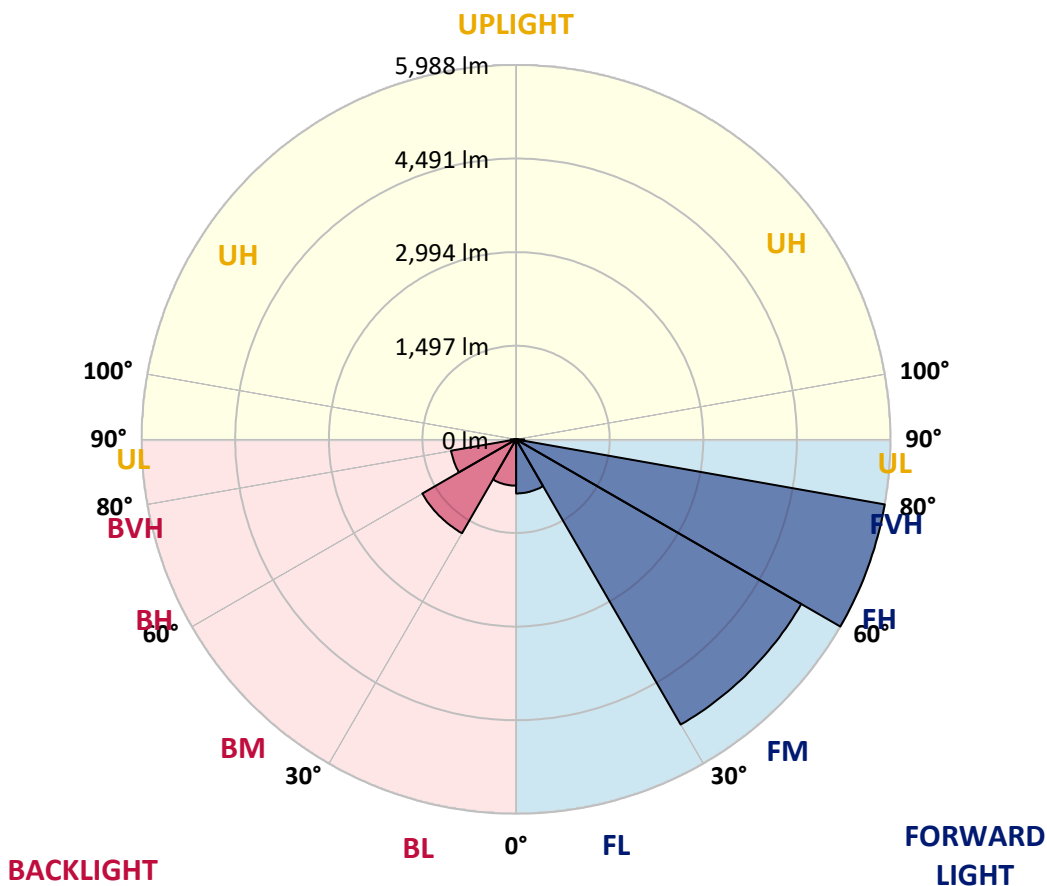
CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	865.1	5.5			
FM (30°-60°)	5266.7	33.2			
FH (60°-80°)	5988.2	37.7			G3/7500
FVH (80°-90°)	127.8	0.8			G2/225
BL (0°-30°)	741.2	4.7	B2/1000		
BM (30°-60°)	1732.3	10.9	B2/2500		
BH (60°-80°)	1054.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	87.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P633777

CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5
2.5°	1676.9	1682.7	1681.5	1672.3	1666.6	1656.3	1657.4	1641.4	1617.3	1601.2	1582.9
5°	1824.9	1834.1	1822.6	1807.7	1784.7	1751.5	1748.0	1711.3	1665.5	1633.3	1600.1
7.5°	1953.4	1959.1	1945.3	1920.1	1886.8	1842.1	1834.1	1790.5	1733.1	1682.7	1634.5
10°	2053.1	2060.0	2041.7	2008.4	1964.8	1920.1	1914.4	1869.6	1808.8	1749.2	1688.4
12.5°	2138.0	2140.3	2120.8	2076.1	2029.1	1983.2	1977.4	1936.1	1879.9	1819.2	1752.6
15°	2187.3	2188.5	2164.4	2115.1	2070.3	2030.2	2026.8	1991.2	1939.6	1882.2	1811.1
17.5°	2183.9	2186.2	2169.0	2125.4	2086.4	2062.3	2058.9	2035.9	1995.8	1944.2	1873.1
20°	2141.5	2143.8	2132.3	2103.6	2083.0	2076.1	2077.2	2070.3	2046.3	2003.8	1931.6
22.5°	2108.2	2111.6	2101.3	2080.7	2078.4	2094.4	2097.9	2101.3	2089.8	2052.0	1982.0
25°	2124.3	2130.0	2113.9	2085.3	2089.8	2125.4	2132.3	2143.8	2134.6	2102.5	2041.7
27.5°	2235.5	2239.0	2197.7	2139.2	2125.4	2163.3	2173.6	2191.9	2185.0	2155.2	2108.2
30°	2493.6	2491.3	2403.0	2259.6	2202.3	2217.2	2225.2	2251.6	2253.9	2234.4	2189.6
32.5°	2857.2	2845.7	2709.2	2481.0	2314.7	2278.0	2287.1	2322.7	2349.1	2328.4	2267.6
35°	3241.4	3231.1	3080.9	2813.6	2522.3	2394.9	2384.6	2412.2	2452.3	2394.9	2307.8
37.5°	3607.3	3591.3	3437.6	3107.2	2778.0	2600.3	2585.4	2557.8	2533.7	2423.6	2357.1
40°	4013.4	3995.0	3860.8	3486.9	3060.2	2757.4	2719.6	2610.6	2588.8	2518.8	2485.6
42.5°	4446.9	4446.9	4335.7	3967.5	3400.9	2982.2	2932.9	2768.9	2791.8	2745.9	2706.9
45°	4880.5	4893.1	4804.8	4451.5	3856.2	3406.6	3327.5	3094.6	3149.7	3129.0	3109.5
47.5°	5249.8	5273.9	5256.7	4945.9	4413.7	3922.8	3802.3	3560.3	3678.4	3727.8	3782.8
50°	5647.9	5674.2	5657.0	5534.3	5066.3	4547.9	4440.1	4190.0	4393.0	4541.0	4721.1
52.5°	6238.6	6276.4	6133.0	6086.0	5858.9	5257.9	5161.5	4877.1	5245.3	5490.7	5892.2
55°	6737.5	6736.4	6685.9	6793.7	6710.0	6126.2	6019.5	5761.4	6231.7	6492.1	7079.3
57.5°	6969.2	6996.7	7169.9	7475.0	7642.5	7187.1	7085.1	6821.2	7290.4	7425.7	8060.0
60°	7088.5	7122.9	7457.8	8061.2	8511.9	8345.6	8305.5	7969.4	8233.2	8217.2	8887.0
62.5°	6921.0	6989.9	7527.8	8329.6	9132.5	9509.8	9497.2	8989.1	9035.0	8877.8	9399.7
65°	6152.5	6227.1	7071.3	8195.4	9486.9	10395.3	10398.8	9912.4	9650.9	9199.0	9313.7
67.5°	4399.9	4506.6	5550.4	7332.8	9361.9	10873.6	10913.8	10331.1	9795.4	8914.5	8409.8
70°	2398.4	2476.4	3294.2	5330.1	8235.5	10758.9	10833.5	10129.2	9157.7	7711.3	6473.7
72.5°	1089.7	1114.9	1532.4	2924.9	5626.1	9260.9	9572.9	9039.6	7520.9	5696.0	4116.6
75°	498.9	510.4	667.6	1399.3	2939.8	6197.3	6416.4	6732.9	5233.8	3597.0	2146.0
77.5°	313.1	316.6	379.7	640.0	1465.9	3093.5	3324.0	4008.8	3064.8	1780.2	897.0
80°	184.7	188.1	236.3	346.4	688.2	1415.4	1634.5	1585.2	1440.6	768.5	408.3
82.5°	92.9	96.3	136.5	197.3	375.1	563.2	663.0	666.4	536.8	416.4	230.5
85°	33.3	34.4	44.7	78.0	159.4	185.8	207.6	253.5	262.7	242.0	111.3
87.5°	0.0	0.0	1.1	2.3	4.6	18.4	19.5	36.7	76.8	86.0	44.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633777
 CATALOG NUMBER: GWS-SA2F-735-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5	1572.5
2.5°	1577.1	1559.9	1554.2	1548.5	1539.3	1535.8	1529.0	1522.1	1522.1	1515.2	1511.8
5°	1585.2	1562.2	1547.3	1540.4	1534.7	1538.1	1538.1	1540.4	1548.5	1543.9	1546.2
7.5°	1613.8	1587.5	1566.8	1561.1	1561.1	1574.8	1584.0	1595.5	1610.4	1612.7	1612.7
10°	1664.3	1633.3	1611.5	1608.1	1613.8	1633.3	1647.1	1660.9	1679.2	1680.4	1682.7
12.5°	1719.4	1688.4	1666.6	1671.2	1676.9	1702.2	1717.1	1728.5	1746.9	1746.9	1745.7
15°	1776.7	1742.3	1723.9	1733.1	1750.3	1779.0	1781.3	1782.4	1791.6	1789.3	1788.2
17.5°	1836.4	1799.7	1785.9	1799.7	1818.0	1831.8	1820.3	1804.2	1800.8	1796.2	1793.9
20°	1894.9	1857.0	1851.3	1861.6	1867.3	1855.9	1820.3	1790.5	1776.7	1769.8	1767.5
22.5°	1945.3	1913.2	1909.8	1909.8	1881.1	1840.9	1788.2	1748.0	1729.7	1720.5	1718.2
25°	2005.0	1975.1	1969.4	1938.4	1865.0	1791.6	1720.5	1683.8	1668.9	1664.3	1665.5
27.5°	2074.9	2054.3	2035.9	1947.6	1819.2	1704.5	1624.2	1608.1	1602.4	1608.1	1611.5
30°	2161.0	2140.3	2099.0	1936.1	1745.7	1590.9	1514.0	1512.9	1530.1	1545.0	1547.3
32.5°	2230.9	2221.8	2154.1	1899.4	1642.5	1465.9	1400.5	1405.1	1436.1	1456.7	1460.1
35°	2286.0	2300.9	2200.0	1838.7	1519.8	1347.7	1296.1	1298.4	1315.6	1344.3	1345.4
37.5°	2364.0	2414.4	2241.2	1745.7	1378.7	1245.6	1198.6	1181.4	1179.1	1187.2	1189.4
40°	2521.1	2596.8	2271.1	1610.4	1242.2	1153.9	1101.1	1067.9	1039.2	1017.4	1010.5
42.5°	2758.5	2845.7	2288.3	1446.4	1120.6	1063.3	1003.6	961.2	910.7	864.8	848.8
45°	3194.4	3223.1	2288.3	1272.0	1012.8	978.4	918.8	868.3	804.1	750.1	738.7
47.5°	3891.8	3800.0	2290.6	1103.4	917.6	903.8	852.2	794.9	723.8	679.0	672.1
50°	4942.4	4620.1	2337.6	963.5	838.5	840.8	802.9	739.8	675.6	642.3	636.6
52.5°	6133.0	5630.7	2463.8	860.3	771.9	789.1	768.5	707.7	650.4	621.7	615.9
55°	7252.5	6559.7	2571.6	786.8	715.7	745.6	744.4	688.2	636.6	607.9	604.5
57.5°	8204.5	7196.3	2555.5	727.2	667.6	705.4	722.6	675.6	627.4	603.3	599.9
60°	8796.4	7533.5	2327.3	672.1	630.9	676.7	710.0	672.1	632.0	626.3	627.4
62.5°	9053.3	7471.6	1889.1	630.9	606.8	663.0	723.8	696.2	674.4	688.2	696.2
65°	8654.2	6939.4	1390.2	599.9	583.8	666.4	755.9	734.1	674.4	683.6	687.1
67.5°	7546.2	5907.1	1004.8	568.9	555.2	676.7	801.8	728.3	635.4	635.4	628.6
70°	5438.0	4248.5	729.5	537.9	526.5	661.8	804.1	689.4	590.7	587.3	570.1
72.5°	3272.4	2506.2	568.9	503.5	482.9	587.3	753.6	643.5	547.1	518.4	497.8
75°	1699.9	1256.0	477.2	465.7	414.1	497.8	689.4	572.4	468.0	442.7	431.3
77.5°	728.3	587.3	409.5	415.2	344.1	418.7	556.3	495.5	415.2	383.1	372.8
80°	359.0	333.8	323.5	332.6	275.3	323.5	479.4	433.6	352.1	315.4	300.5
82.5°	205.3	195.0	232.8	236.3	196.1	270.7	404.9	367.0	291.3	251.2	227.1
85°	95.2	102.1	141.1	142.2	121.6	185.8	265.0	206.5	154.8	128.5	122.7
87.5°	37.9	44.7	61.9	60.8	35.6	34.4	22.9	12.6	10.3	9.2	8.0
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)