

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: P633942

Luminaire Tested: GWS-SA2F-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633942
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-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16226.7 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

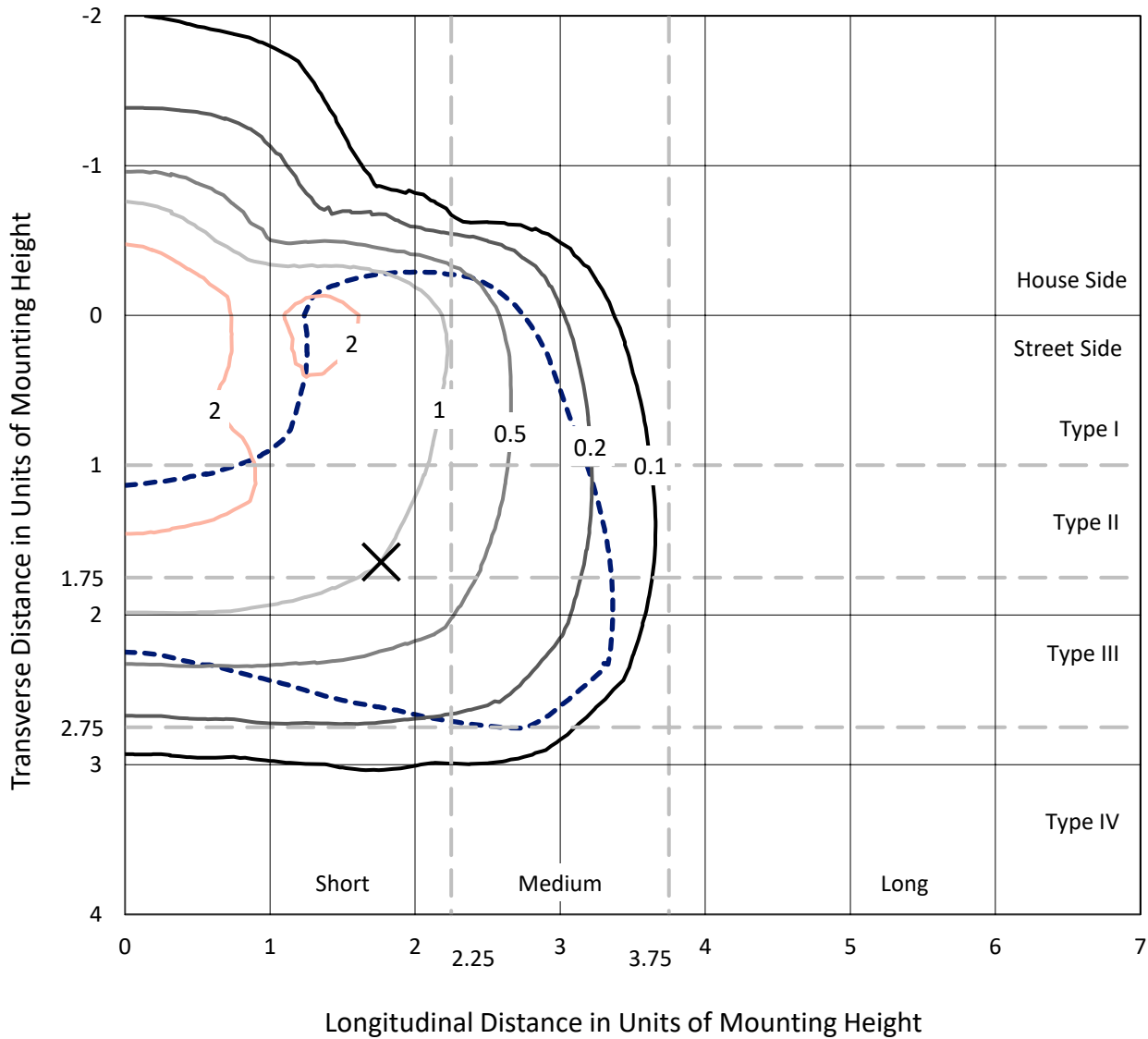
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633942
 CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

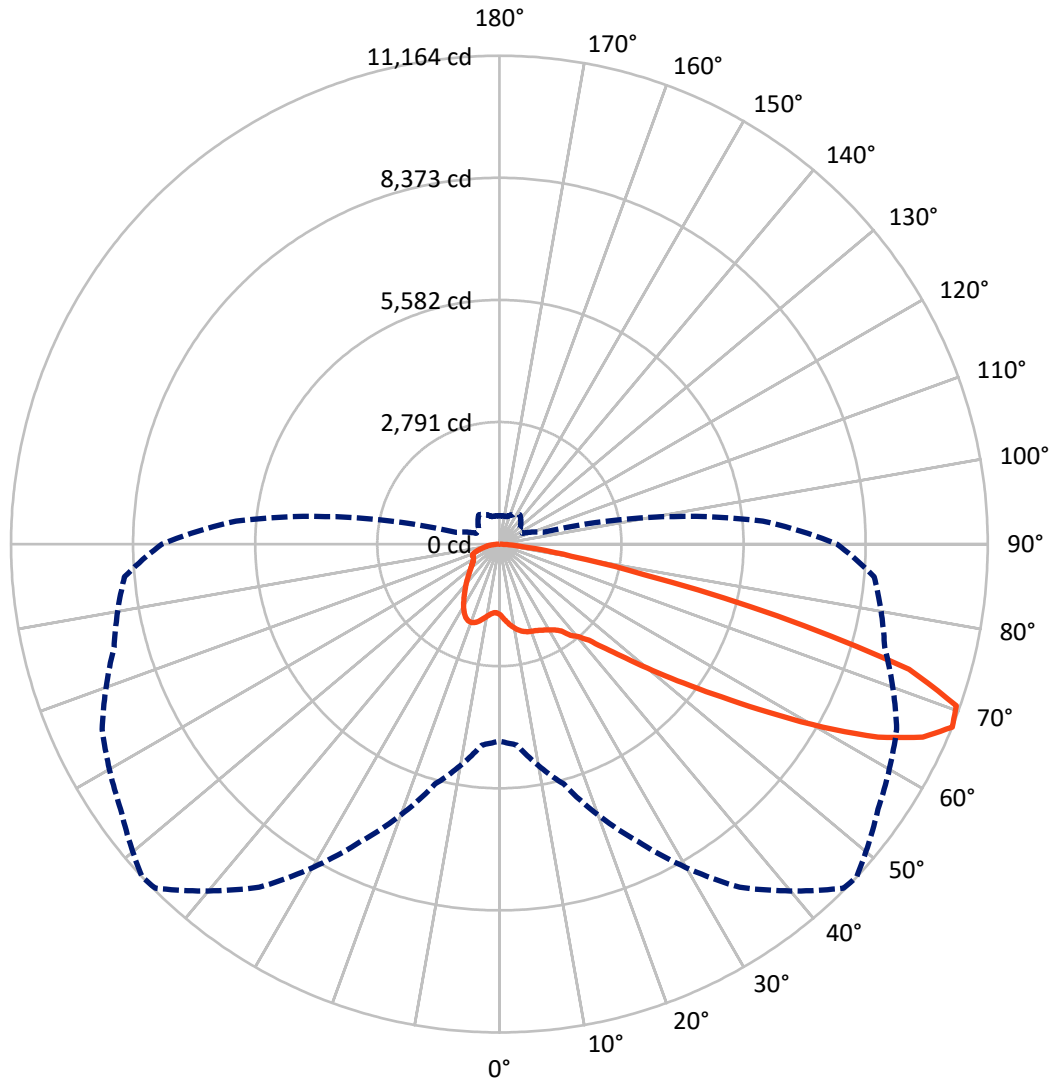
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P633942
CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633942

CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3698.2	0.0	3698.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	12528.5	0.0	12528.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	16226.7	0.0	16226.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	1.0
10°-20°	547.7	3.4
20°-30°	931.0	5.7
30°-40°	1363.8	8.4
40°-50°	2077.9	12.8
50°-60°	3717.8	22.9
60°-70°	4961.0	30.6
70°-80°	2243.5	13.8
80°-90°	219.8	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°	16226.7	100.0
0°-180°	16226.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633942

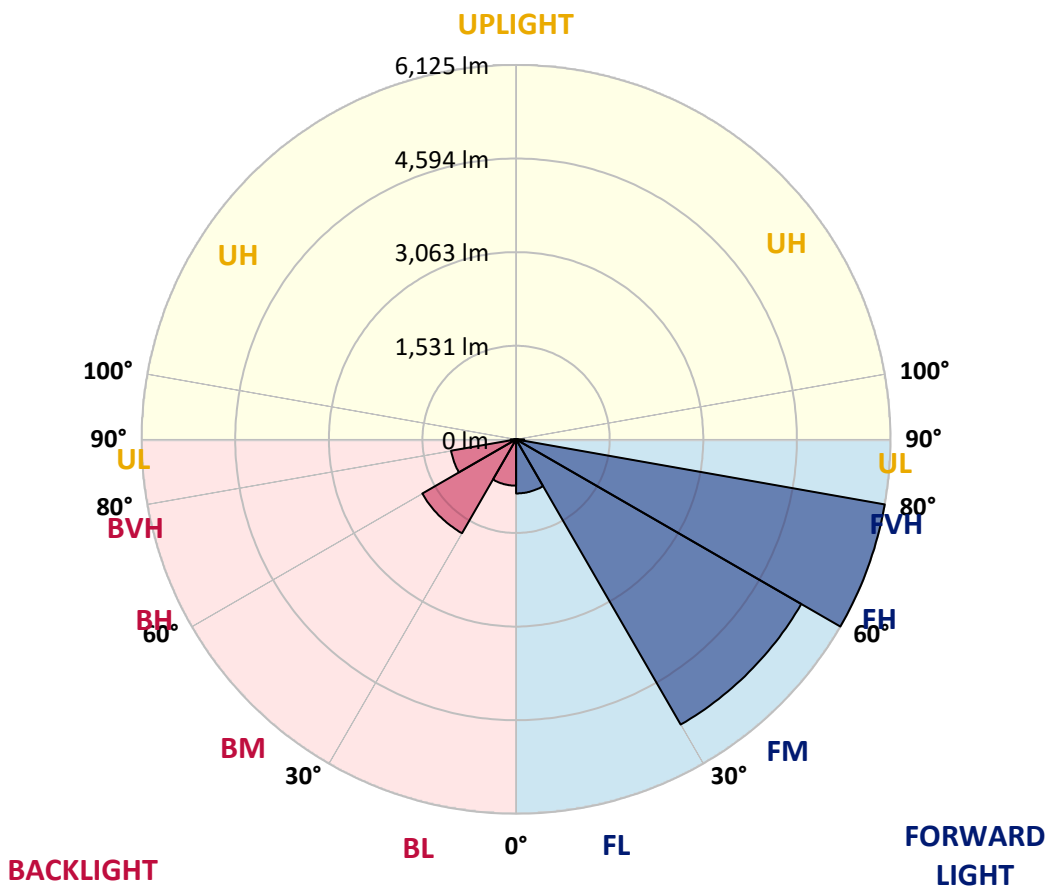
CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.9	5.5			
FM (30°-60°)	5387.4	33.2			
FH (60°-80°)	6125.4	37.7			G3/7500
FVH (80°-90°)	130.7	0.8			G2/225
BL (0°-30°)	758.1	4.7	B2/1000		
BM (30°-60°)	1772.0	10.9	B2/2500		
BH (60°-80°)	1079.0	6.6	B3/2500		G3/2500
BVH (80°-90°)	89.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P633942

CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6
2.5°	1715.3	1721.2	1720.0	1710.7	1704.8	1694.2	1695.4	1679.0	1654.3	1637.9	1619.1
5°	1866.7	1876.1	1864.4	1849.1	1825.6	1791.6	1788.1	1750.5	1703.6	1670.8	1636.7
7.5°	1998.1	2004.0	1989.9	1964.1	1930.1	1884.3	1876.1	1831.5	1772.8	1721.2	1671.9
10°	2100.2	2107.2	2088.5	2054.4	2009.8	1964.1	1958.2	1912.5	1850.3	1789.3	1727.1
12.5°	2187.0	2189.4	2169.4	2123.7	2075.5	2028.6	2022.8	1980.5	1923.0	1860.8	1792.8
15°	2237.5	2238.6	2214.0	2163.5	2117.8	2076.7	2073.2	2036.8	1984.0	1925.4	1852.6
17.5°	2233.9	2236.3	2218.7	2174.1	2134.2	2109.6	2106.1	2082.6	2041.5	1988.7	1916.0
20°	2190.5	2192.9	2181.1	2151.8	2130.7	2123.7	2124.8	2117.8	2093.1	2049.7	1975.8
22.5°	2156.5	2160.0	2149.5	2128.3	2126.0	2142.4	2145.9	2149.5	2137.7	2099.0	2027.4
25°	2172.9	2178.8	2162.4	2133.0	2137.7	2174.1	2181.1	2192.9	2183.5	2150.6	2088.5
27.5°	2286.7	2290.3	2248.0	2188.2	2174.1	2212.8	2223.4	2242.2	2235.1	2204.6	2156.5
30°	2550.7	2548.4	2458.0	2311.4	2252.7	2268.0	2276.2	2303.2	2305.5	2285.6	2239.8
32.5°	2922.7	2910.9	2771.3	2537.8	2367.7	2330.2	2339.5	2375.9	2402.9	2381.8	2319.6
35°	3315.7	3305.2	3151.5	2878.1	2580.1	2449.8	2439.3	2467.4	2508.5	2449.8	2360.7
37.5°	3690.0	3673.6	3516.3	3178.4	2841.7	2659.8	2644.6	2616.4	2591.8	2479.2	2411.1
40°	4105.3	4086.6	3949.3	3566.8	3130.3	2820.6	2781.9	2670.4	2648.1	2576.5	2542.5
42.5°	4548.8	4548.8	4435.0	4058.4	3478.8	3050.6	3000.1	2832.3	2855.8	2808.9	2769.0
45°	4992.3	5005.3	4914.9	4553.5	3944.6	3484.7	3403.7	3165.5	3221.9	3200.7	3180.8
47.5°	5370.1	5394.8	5377.2	5059.2	4514.8	4012.6	3889.5	3641.9	3762.7	3813.2	3869.5
50°	5777.3	5804.3	5786.7	5661.1	5182.4	4652.1	4541.8	4286.0	4493.7	4645.1	4829.3
52.5°	6381.5	6420.2	6273.6	6225.5	5993.2	5378.4	5279.8	4988.8	5365.5	5616.5	6027.2
55°	6891.9	6890.7	6839.1	6949.4	6863.7	6266.5	6157.4	5893.4	6374.5	6640.8	7241.5
57.5°	7128.9	7157.1	7334.2	7646.3	7817.6	7351.8	7247.4	6977.6	7457.4	7595.9	8244.7
60°	7250.9	7286.1	7628.7	8245.9	8707.0	8536.9	8495.8	8152.0	8421.9	8405.4	9090.6
62.5°	7079.6	7150.0	7700.3	8520.4	9341.7	9727.7	9714.8	9195.1	9242.0	9081.3	9615.1
65°	6293.5	6369.8	7233.3	8383.2	9704.3	10633.5	10637.0	10139.6	9872.1	9409.8	9527.1
67.5°	4500.7	4609.9	5677.5	7500.8	9576.4	11122.8	11163.8	10567.8	10019.9	9118.8	8602.6
70°	2453.3	2533.1	3369.7	5452.3	8424.2	11005.5	11081.7	10361.3	9367.5	7888.0	6622.0
72.5°	1114.6	1140.4	1567.5	2991.9	5755.0	9473.1	9792.3	9246.7	7693.3	5826.6	4210.9
75°	510.4	522.1	682.9	1431.4	3007.1	6339.3	6563.4	6887.2	5353.7	3679.4	2195.2
77.5°	320.3	323.8	388.4	654.7	1499.5	3164.4	3400.2	4100.6	3135.0	1820.9	917.5
80°	188.9	192.4	241.7	354.3	704.0	1447.8	1671.9	1621.5	1473.7	786.1	417.7
82.5°	95.0	98.6	139.6	201.8	383.7	576.1	678.2	681.7	549.1	425.9	235.8
85°	34.0	35.2	45.8	79.8	163.1	190.1	212.4	259.3	268.7	247.6	113.8
87.5°	0.0	0.0	1.2	2.3	4.7	18.8	19.9	37.5	78.6	88.0	45.8
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: P633942
 CATALOG NUMBER: GWS-SA2F-760-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6	1608.6
2.5°	1613.3	1595.7	1589.8	1583.9	1574.6	1571.0	1564.0	1557.0	1557.0	1549.9	1546.4
5°	1621.5	1598.0	1582.8	1575.7	1569.9	1573.4	1573.4	1575.7	1583.9	1579.2	1581.6
7.5°	1650.8	1623.8	1602.7	1596.8	1596.8	1610.9	1620.3	1632.0	1647.3	1649.6	1649.6
10°	1702.4	1670.8	1648.5	1645.0	1650.8	1670.8	1684.8	1698.9	1717.7	1718.9	1721.2
12.5°	1758.8	1727.1	1704.8	1709.5	1715.3	1741.2	1756.4	1768.1	1786.9	1786.9	1785.7
15°	1817.4	1782.2	1763.5	1772.8	1790.4	1819.8	1822.1	1823.3	1832.7	1830.3	1829.2
17.5°	1878.4	1840.9	1826.8	1840.9	1859.7	1873.7	1862.0	1845.6	1842.1	1837.4	1835.0
20°	1938.3	1899.6	1893.7	1904.2	1910.1	1898.4	1862.0	1831.5	1817.4	1810.4	1808.0
22.5°	1989.9	1957.0	1953.5	1953.5	1924.2	1883.1	1829.2	1788.1	1769.3	1759.9	1757.6
25°	2050.9	2020.4	2014.5	1982.9	1907.8	1832.7	1759.9	1722.4	1707.1	1702.4	1703.6
27.5°	2122.5	2101.4	2082.6	1992.2	1860.8	1743.5	1661.4	1645.0	1639.1	1645.0	1648.5
30°	2210.5	2189.4	2147.1	1980.5	1785.7	1627.4	1548.7	1547.6	1565.2	1580.4	1582.8
32.5°	2282.0	2272.7	2203.4	1943.0	1680.2	1499.5	1432.6	1437.3	1469.0	1490.1	1493.6
35°	2338.4	2353.6	2250.4	1880.8	1554.6	1378.6	1325.8	1328.2	1345.8	1375.1	1376.3
37.5°	2418.1	2469.8	2292.6	1785.7	1410.3	1274.2	1226.1	1208.5	1206.1	1214.4	1216.7
40°	2578.9	2656.3	2323.1	1647.3	1270.7	1180.3	1126.4	1092.3	1063.0	1040.7	1033.7
42.5°	2821.8	2910.9	2340.7	1479.5	1146.3	1087.6	1026.6	983.2	931.6	884.7	868.2
45°	3267.6	3296.9	2340.7	1301.2	1036.0	1000.8	939.8	888.2	822.5	767.3	755.6
47.5°	3981.0	3887.1	2343.1	1128.7	938.6	924.6	871.8	813.1	740.3	694.6	687.5
50°	5055.7	4726.0	2391.2	985.6	857.7	860.0	821.3	756.8	691.1	657.0	651.2
52.5°	6273.6	5759.7	2520.2	880.0	789.6	807.2	786.1	723.9	665.3	635.9	630.1
55°	7418.7	6710.0	2630.5	804.9	732.1	762.6	761.5	704.0	651.2	621.8	618.3
57.5°	8392.5	7361.2	2614.1	743.9	682.9	721.6	739.2	691.1	641.8	617.2	613.6
60°	8998.0	7706.2	2380.6	687.5	645.3	692.2	726.3	687.5	646.5	640.6	641.8
62.5°	9260.8	7642.8	1932.4	645.3	620.7	678.2	740.3	712.2	689.9	704.0	712.2
65°	8852.5	7098.4	1422.0	613.6	597.2	681.7	773.2	750.9	689.9	699.3	702.8
67.5°	7719.1	6042.4	1027.8	582.0	567.9	692.2	820.1	745.0	650.0	650.0	643.0
70°	5562.6	4345.9	746.2	550.3	538.5	677.0	822.5	705.1	604.2	600.7	583.1
72.5°	3347.4	2563.6	582.0	515.1	494.0	600.7	770.9	658.2	559.7	530.3	509.2
75°	1738.8	1284.8	488.1	476.4	423.6	509.2	705.1	585.5	478.7	452.9	441.2
77.5°	745.0	600.7	418.9	424.7	352.0	428.3	569.0	506.9	424.7	391.9	381.3
80°	367.2	341.4	330.9	340.3	281.6	330.9	490.4	443.5	360.2	322.7	307.4
82.5°	210.0	199.5	238.2	241.7	200.6	276.9	414.2	375.5	298.0	257.0	232.3
85°	97.4	104.4	144.3	145.5	124.4	190.1	271.0	211.2	158.4	131.4	125.5
87.5°	38.7	45.8	63.4	62.2	36.4	35.2	23.5	12.9	10.6	9.4	8.2
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)