

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: P633824

Luminaire Tested: GWS-SA2F-740-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-740-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

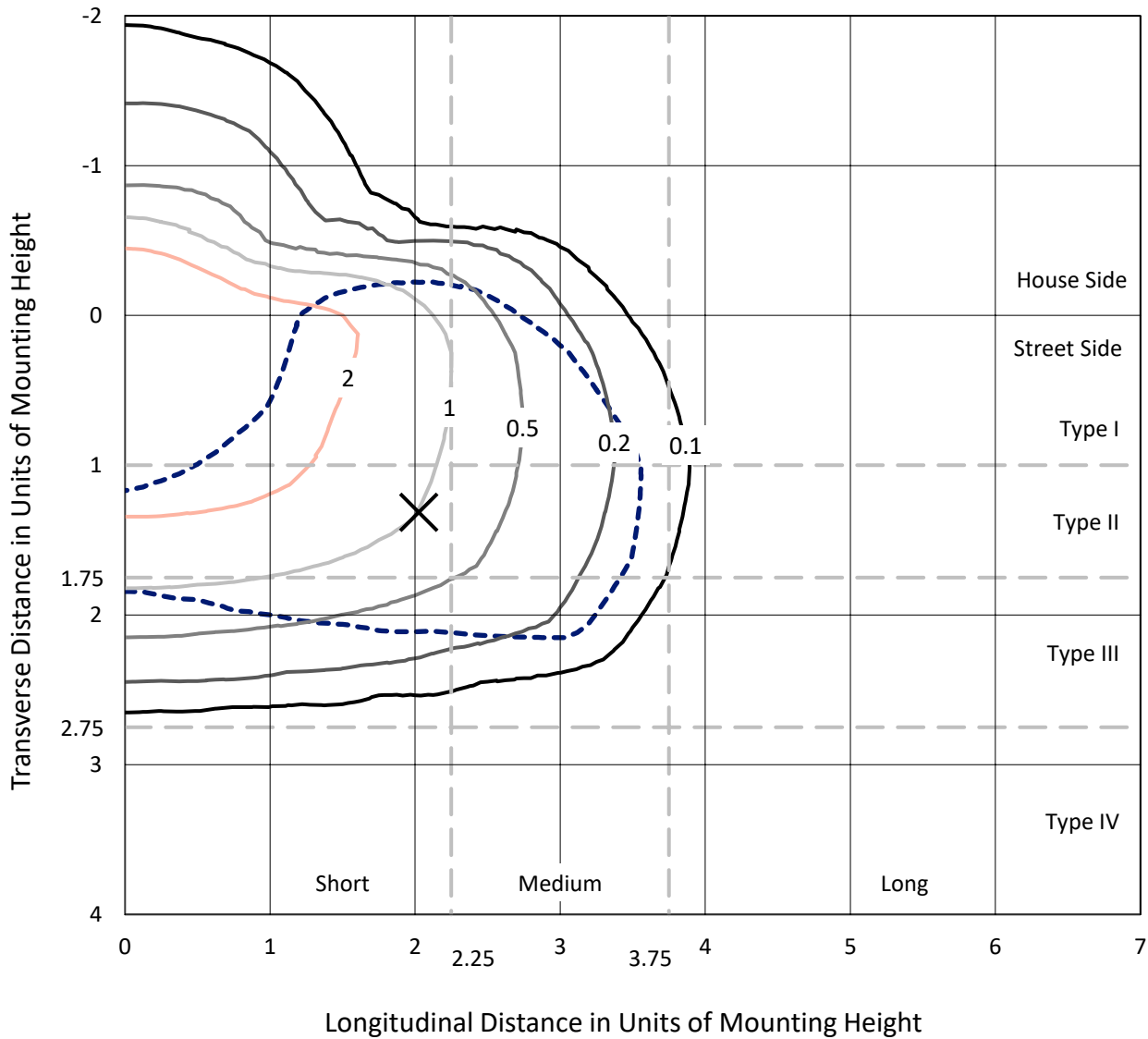
Lumens per Lamp: N/A  
Luminaire Lumens: 16233.6 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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: P633824  
 CATALOG NUMBER: GWS-SA2F-740-U-T3-W

### Iso-Footcandle Lines of Horizontal Illumination

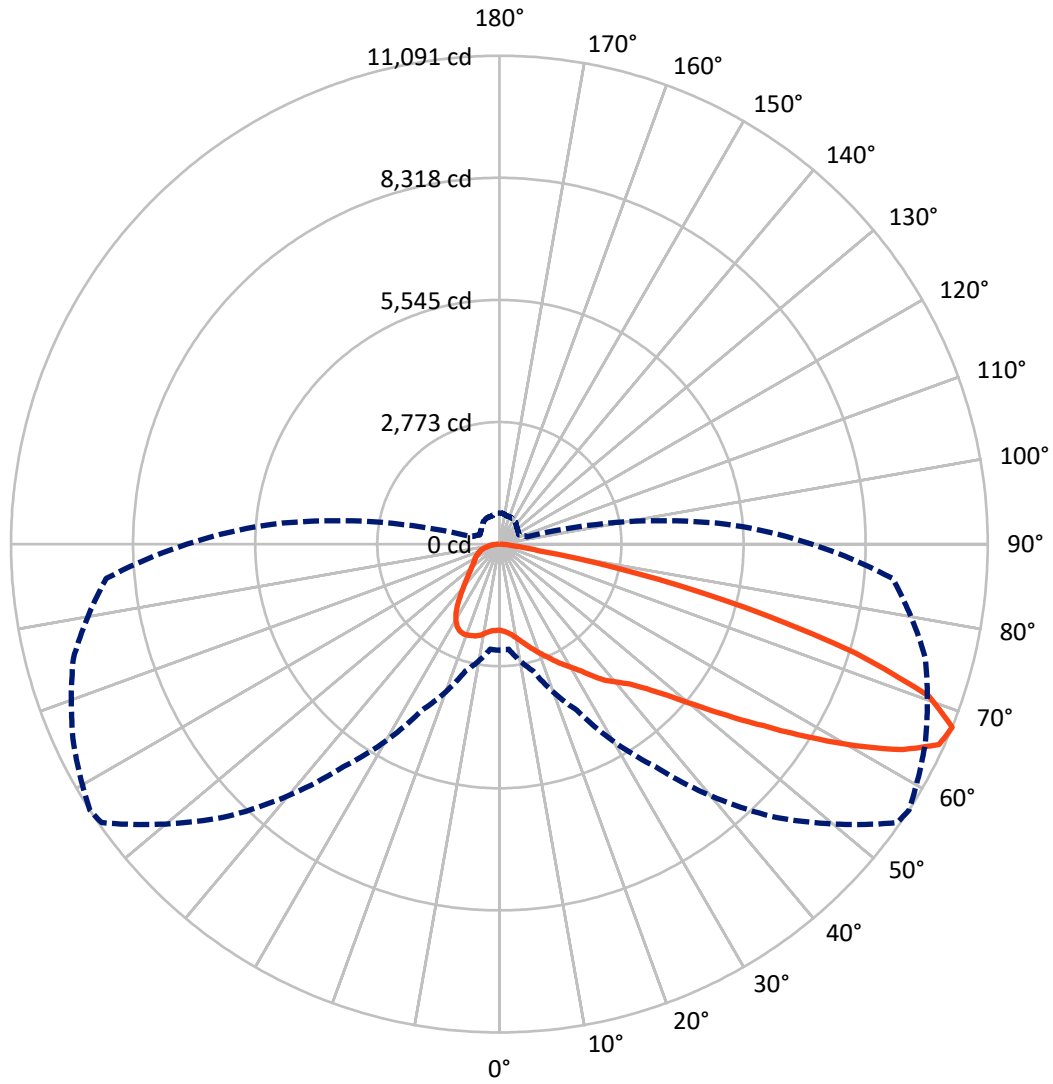
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P633824  
CATALOG NUMBER: GWS-SA2F-740-U-T3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P633824

CATALOG NUMBER: GWS-SA2F-740-U-T3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3569.2	0.0	3569.2
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	12664.5	0.0	12664.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	16233.6	0.0	16233.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.0	1.2
10°-20°	642.2	4.0
20°-30°	1145.0	7.1
30°-40°	1664.6	10.3
40°-50°	2409.3	14.8
50°-60°	3770.5	23.2
60°-70°	4398.5	27.1
70°-80°	1836.1	11.3
80°-90°	173.3	1.1
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°	16233.6	100.0
0°-180°	16233.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633824

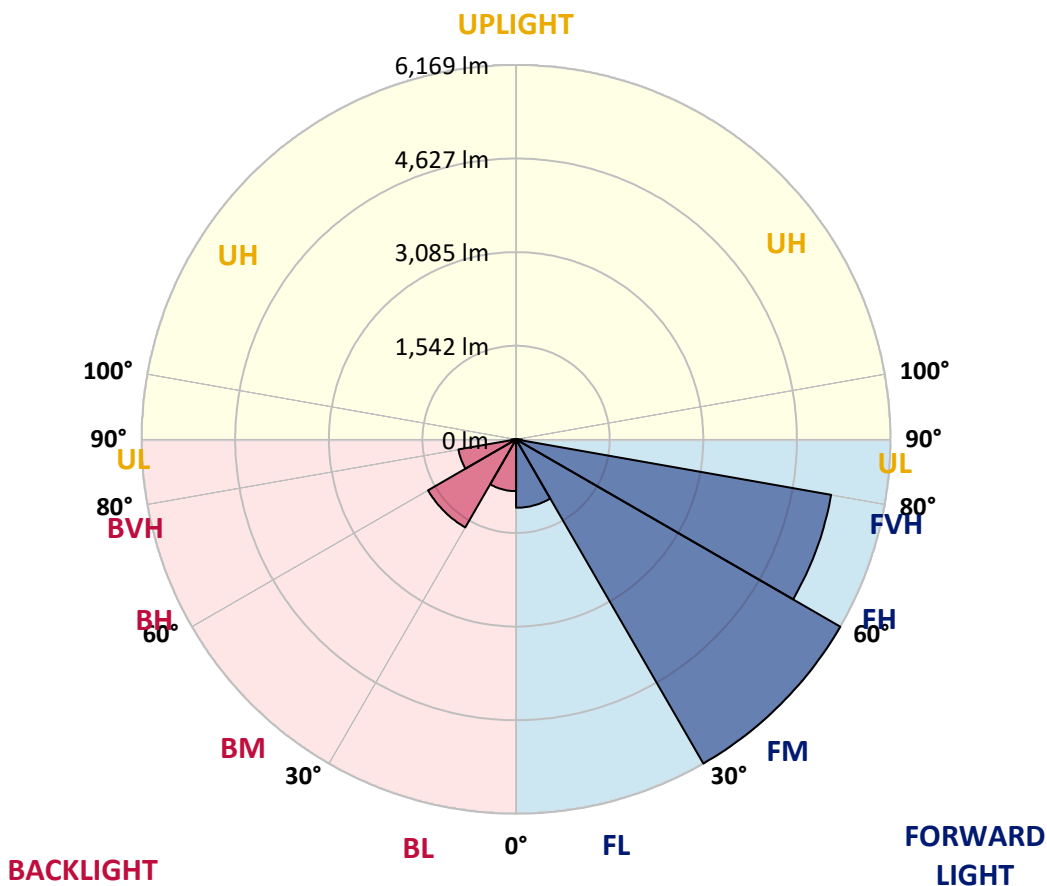
CATALOG NUMBER: GWS-SA2F-740-U-T3-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.6	6.9			
FM (30°-60°)	6169.0	38.0			
FH (60°-80°)	5271.3	32.5			G3/7500
FVH (80°-90°)	96.5	0.6			G1/100
BL (0°-30°)	853.6	5.3	B2/1000		
BM (30°-60°)	1675.5	10.3	B2/2500		
BH (60°-80°)	963.3	5.9	B2/1000		G2/1000
BVH (80°-90°)	76.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P633824  
 CATALOG NUMBER: GWS-SA2F-740-U-T3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0
2.5°	1983.9	1981.6	1980.5	1987.4	1985.1	1983.9	1983.9	1982.8	1980.5	1971.2	1958.4
5°	2038.6	2034.0	2029.3	2035.1	2030.5	2025.8	2024.7	2022.3	2014.2	2000.2	1980.5
7.5°	2095.6	2090.9	2092.1	2095.6	2092.1	2089.8	2086.3	2084.0	2071.2	2049.1	2022.3
10°	2175.8	2175.8	2178.2	2181.6	2182.8	2179.3	2172.3	2168.9	2153.7	2125.8	2088.6
12.5°	2292.1	2289.8	2289.8	2287.5	2291.0	2287.5	2280.5	2274.7	2256.1	2220.0	2166.5
15°	2445.6	2436.3	2428.2	2413.1	2408.4	2395.6	2397.9	2394.5	2377.0	2328.2	2260.7
17.5°	2609.6	2608.4	2595.6	2565.4	2535.2	2514.2	2518.9	2517.7	2508.4	2442.1	2356.1
20°	2753.8	2759.6	2748.0	2724.7	2684.0	2644.5	2642.2	2648.0	2636.3	2570.1	2450.3
22.5°	2915.5	2910.8	2899.2	2868.9	2838.7	2796.8	2782.9	2778.2	2773.6	2698.0	2546.8
25°	3069.0	3082.9	3067.8	3039.9	2993.4	2948.0	2936.4	2941.0	2928.2	2828.2	2650.3
27.5°	3263.2	3269.0	3259.7	3221.3	3181.8	3117.8	3095.7	3095.7	3091.1	2950.3	2731.7
30°	3470.2	3486.4	3470.2	3438.8	3398.1	3306.2	3258.5	3253.9	3239.9	3075.9	2827.1
32.5°	3678.3	3690.0	3678.3	3648.1	3601.6	3521.3	3452.7	3442.3	3423.6	3213.2	2924.8
35°	3863.2	3873.7	3871.4	3878.4	3840.0	3738.8	3696.9	3692.3	3643.4	3392.2	3057.3
37.5°	4065.6	4078.4	4060.9	4074.9	4059.8	3964.4	3951.6	3928.4	3858.6	3560.9	3196.9
40°	4295.8	4307.5	4279.6	4285.4	4267.9	4214.4	4149.3	4117.9	4014.4	3743.5	3416.7
42.5°	4542.4	4569.1	4581.9	4571.5	4530.8	4500.5	4386.5	4347.0	4261.0	4072.6	3778.3
45°	4899.4	4938.9	4957.5	4930.8	4913.4	4870.3	4730.8	4683.1	4637.7	4536.6	4283.0
47.5°	5284.3	5320.4	5379.7	5391.3	5405.3	5372.7	5176.2	5129.7	5137.8	5126.2	4904.1
50°	5591.3	5621.6	5755.3	5898.4	6017.0	6026.3	5775.1	5725.1	5769.3	5806.5	5651.8
52.5°	5814.6	5841.4	6018.1	6313.5	6582.2	6781.0	6510.0	6453.1	6489.1	6572.8	6501.9
55°	5996.0	6033.3	6218.2	6671.7	7214.8	7528.8	7355.5	7283.4	7268.3	7371.8	7412.5
57.5°	6091.4	6103.0	6362.4	6952.0	7678.8	8262.6	8338.2	8256.8	8112.6	8169.5	8381.2
60°	5873.9	5893.7	6248.4	7024.1	8045.1	8990.6	9369.7	9302.2	8995.2	9026.6	9260.4
62.5°	5272.7	5300.6	5727.4	6681.0	8075.3	9476.7	10322.1	10279.1	9867.4	9697.6	9767.4
65°	4229.6	4238.9	4680.8	5832.1	7474.1	9537.1	10986.1	10975.7	10476.8	10079.1	9780.2
67.5°	2411.9	2395.6	2986.4	4159.8	6168.1	8751.0	11029.2	11090.8	10674.5	10016.3	8966.1
70°	1045.5	1047.8	1319.9	2052.6	3992.3	7072.9	10244.2	10350.0	10102.3	8970.8	7133.4
72.5°	483.8	490.8	608.2	888.5	1704.8	4387.7	8353.3	8448.6	8235.8	7179.9	5190.1
75°	341.9	347.7	405.9	509.4	783.8	1709.5	5587.9	5787.9	5891.4	5370.4	3420.2
77.5°	259.3	267.5	296.5	353.5	483.8	605.9	2673.6	3150.4	3752.8	3341.1	1761.8
80°	165.1	165.1	196.5	236.1	295.4	315.2	772.2	915.2	1836.3	1376.9	691.9
82.5°	111.6	115.1	133.7	150.0	169.8	179.1	331.4	353.5	530.3	468.7	284.9
85°	59.3	61.6	69.8	68.6	81.4	70.9	139.6	138.4	194.2	212.8	108.2
87.5°	0.0	0.0	1.2	1.2	2.3	3.5	15.1	16.3	40.7	65.1	36.1
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: P633824  
 CATALOG NUMBER: GWS-SA2F-740-U-T3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0	1956.0
2.5°	1965.3	1951.4	1958.4	1956.0	1963.0	1963.0	1950.2	1946.7	1947.9	1933.9	1929.3
5°	1982.8	1966.5	1970.0	1965.3	1972.3	1978.1	1972.3	1972.3	1979.3	1968.8	1963.0
7.5°	2022.3	2003.7	2003.7	1997.9	2006.0	2010.7	2006.0	2013.0	2025.8	2015.3	2009.5
10°	2085.1	2063.0	2064.2	2057.2	2060.7	2058.4	2039.8	2034.0	2037.4	2028.1	2023.5
12.5°	2166.5	2136.3	2136.3	2122.3	2114.2	2089.8	2051.4	2037.4	2039.8	2031.6	2028.1
15°	2244.4	2216.5	2210.7	2182.8	2145.6	2100.2	2065.4	2056.0	2058.4	2050.2	2044.4
17.5°	2336.3	2300.3	2279.3	2228.2	2159.5	2113.0	2078.1	2056.0	2037.4	2018.8	2014.2
20°	2421.2	2375.9	2337.5	2258.4	2174.7	2110.7	2045.6	1990.9	1945.6	1921.2	1915.3
22.5°	2508.4	2450.3	2382.8	2279.3	2173.5	2068.8	1949.1	1866.5	1799.0	1763.0	1770.0
25°	2591.0	2517.7	2425.9	2299.1	2136.3	1975.8	1813.0	1689.7	1613.0	1585.1	1576.9
27.5°	2659.6	2568.9	2465.4	2289.8	2059.5	1842.1	1626.9	1489.7	1415.3	1383.9	1375.7
30°	2736.4	2634.0	2522.4	2246.8	1938.6	1654.8	1416.4	1304.8	1251.3	1221.1	1222.2
32.5°	2824.7	2717.8	2602.6	2164.2	1783.9	1452.5	1243.2	1166.4	1123.4	1093.1	1088.5
35°	2943.4	2837.5	2656.1	2039.8	1587.4	1266.4	1124.5	1061.7	1008.3	968.7	960.6
37.5°	3089.9	3017.8	2661.9	1873.5	1376.9	1138.5	1039.7	972.2	907.1	854.7	848.9
40°	3341.1	3258.5	2614.3	1665.3	1197.8	1055.9	968.7	890.8	815.2	757.1	748.9
42.5°	3699.3	3529.5	2511.9	1430.4	1062.9	990.8	901.3	802.4	725.7	685.0	679.1
45°	4155.1	3831.8	2358.4	1209.4	962.9	926.9	830.3	726.8	686.1	657.1	651.2
47.5°	4713.3	4184.2	2181.6	1037.3	885.0	868.7	758.2	701.2	665.2	640.8	635.0
50°	5380.8	4633.1	2036.3	902.4	815.2	801.3	735.0	686.1	657.1	637.3	632.6
52.5°	6142.6	5132.0	1965.3	805.9	754.7	740.8	726.8	682.6	658.2	643.1	637.3
55°	6933.4	5657.6	1899.1	731.5	703.6	711.7	728.0	694.3	675.7	655.9	650.1
57.5°	7697.4	6150.7	1736.2	673.3	666.4	697.8	733.8	705.9	683.8	664.0	657.1
60°	8224.2	6420.5	1460.6	626.8	638.4	680.3	718.7	688.5	660.5	652.4	648.9
62.5°	8366.1	6387.9	1133.9	579.1	604.7	641.9	679.1	659.4	630.3	643.1	644.3
65°	8034.6	6039.1	851.3	532.6	560.5	591.9	638.4	630.3	619.8	654.7	655.9
67.5°	7096.2	5182.0	648.9	491.9	515.2	553.6	625.7	659.4	661.7	705.9	701.2
70°	5369.2	3871.4	508.2	453.5	480.3	553.6	666.4	681.5	653.6	694.3	685.0
72.5°	3712.1	2554.9	432.6	419.8	437.3	528.0	665.2	665.2	635.0	635.0	617.5
75°	2306.1	1502.5	376.8	376.8	376.8	461.7	646.6	612.9	559.4	534.9	521.0
77.5°	1138.5	730.3	316.3	327.9	315.2	386.1	528.0	501.2	468.7	443.1	433.8
80°	486.1	365.2	255.8	268.6	253.5	290.7	418.7	412.8	381.4	347.7	337.2
82.5°	223.3	188.4	204.7	210.5	184.9	218.6	305.8	305.8	288.4	241.9	224.4
85°	95.4	100.0	141.9	141.9	116.3	123.3	164.0	155.8	139.6	114.0	104.7
87.5°	32.6	48.8	72.1	62.8	24.4	10.5	5.8	2.3	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)