

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: P633879

Luminaire Tested: GWS-SA2F-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633879
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-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16605.6 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

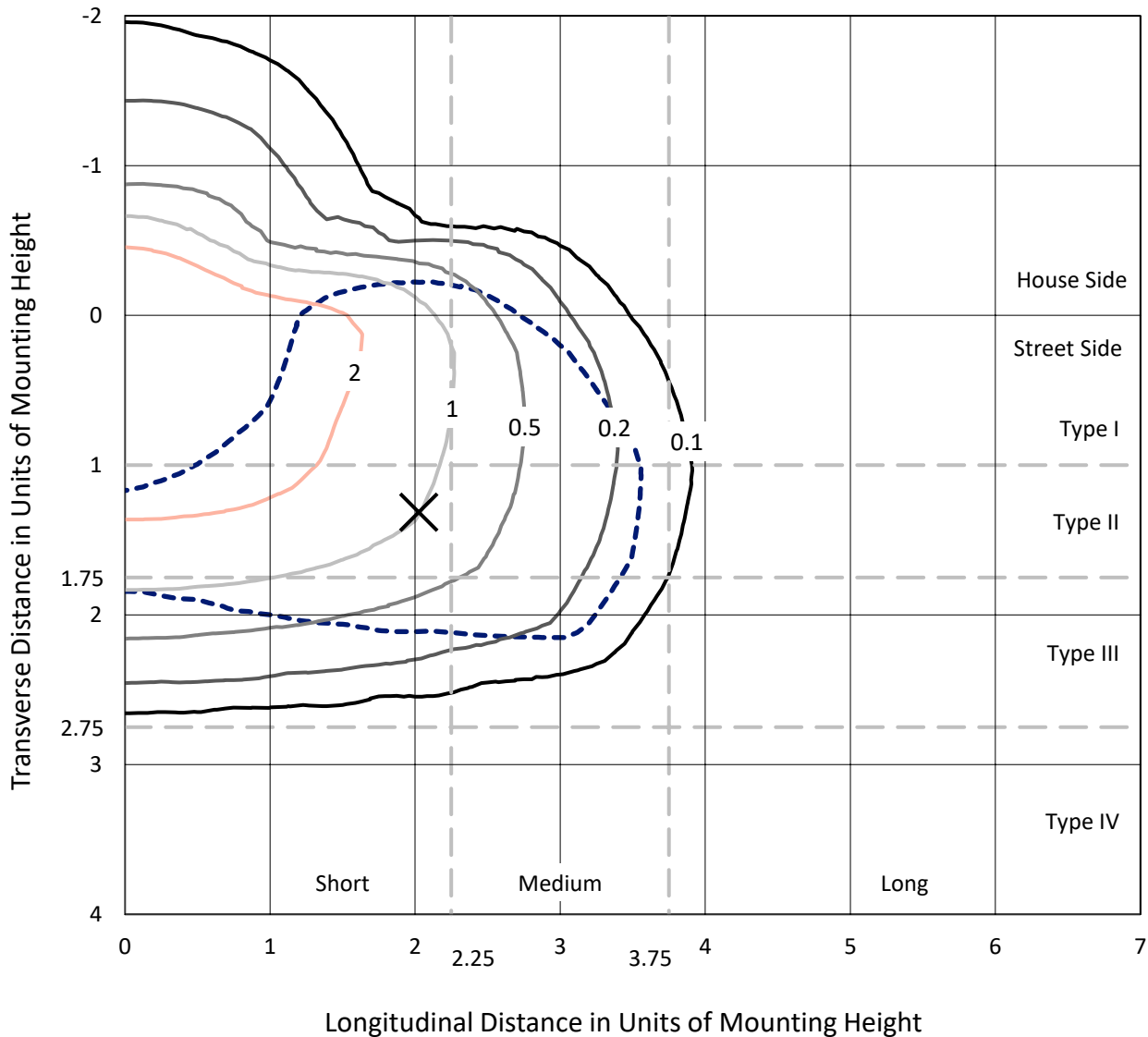
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633879
 CATALOG NUMBER: GWS-SA2F-750-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

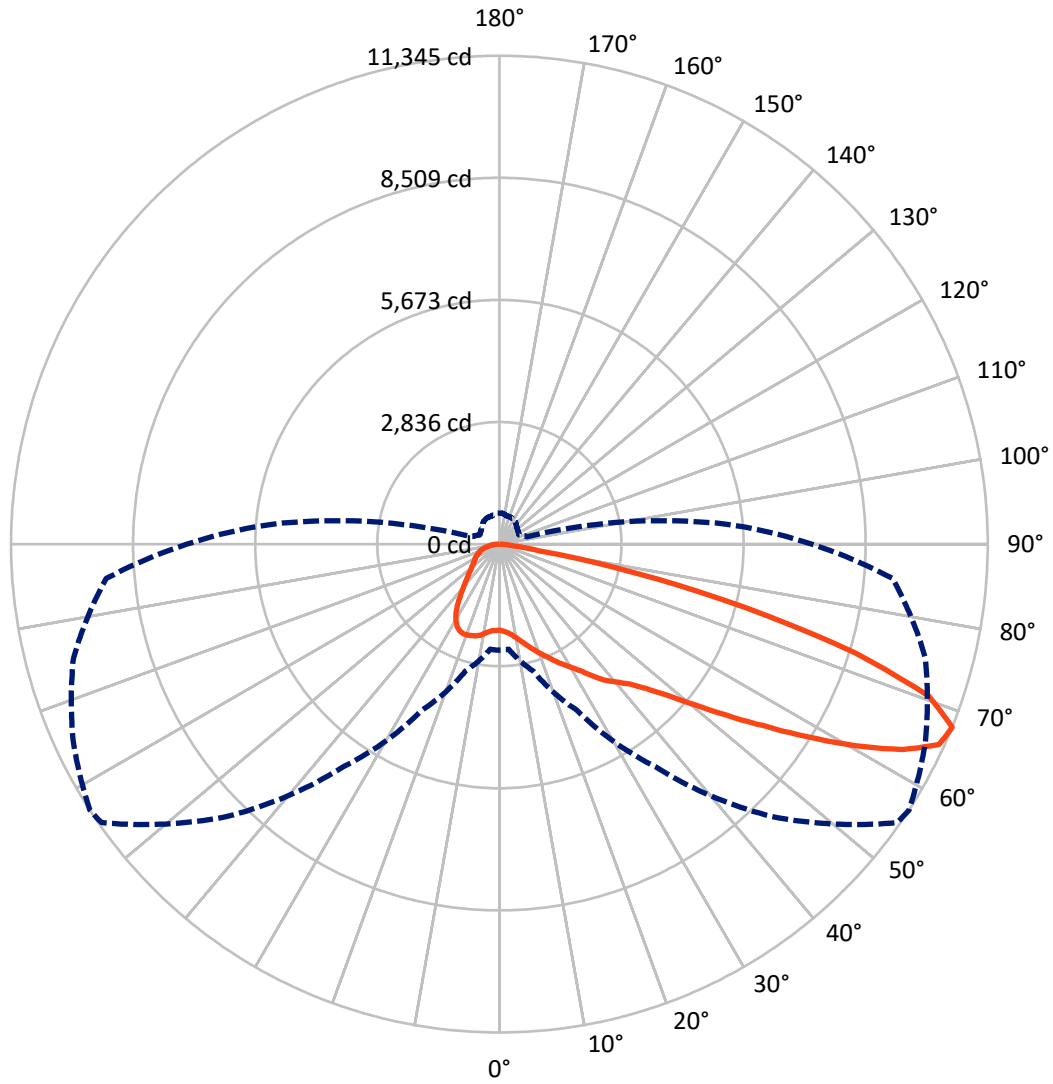
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P633879
CATALOG NUMBER: GWS-SA2F-750-U-T3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633879

CATALOG NUMBER: GWS-SA2F-750-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3650.9	0.0	3650.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12954.7	0.0	12954.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	16605.6	0.0	16605.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	1.2
10°-20°	656.9	4.0
20°-30°	1171.2	7.1
30°-40°	1702.8	10.3
40°-50°	2464.5	14.8
50°-60°	3856.9	23.2
60°-70°	4499.3	27.1
70°-80°	1878.2	11.3
80°-90°	177.2	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°	16605.6	100.0
0°-180°	16605.6	100.0

Coefficient of Utilization



REPORT NUMBER: P633879

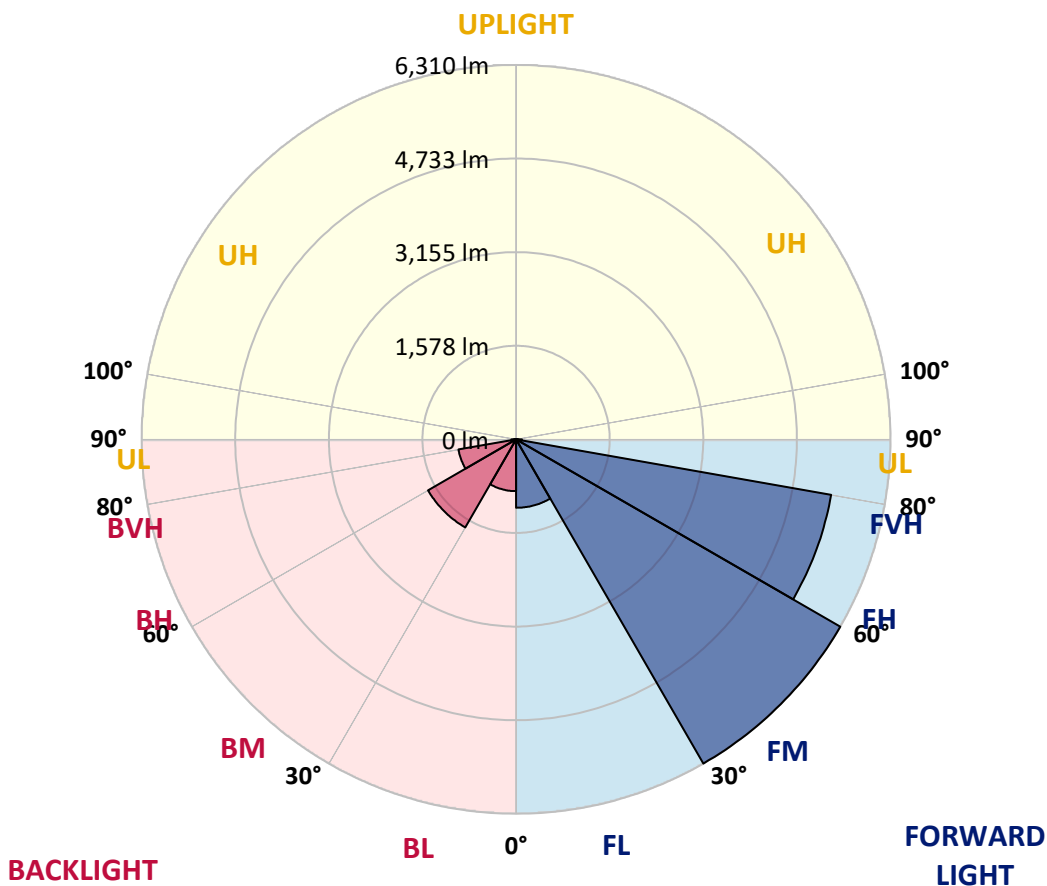
CATALOG NUMBER: GWS-SA2F-750-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.4	6.9			
FM (30°-60°)	6310.4	38.0			
FH (60°-80°)	5392.1	32.5			G3/7500
FVH (80°-90°)	98.7	0.6			G1/100
BL (0°-30°)	873.2	5.3	B2/1000		
BM (30°-60°)	1713.9	10.3	B2/2500		
BH (60°-80°)	985.4	5.9	B2/1000		G2/1000
BVH (80°-90°)	78.5	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: P633879
 CATALOG NUMBER: GWS-SA2F-750-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	2029.4	2027.0	2025.8	2033.0	2030.6	2029.4	2029.4	2028.2	2025.8	2016.3	2003.2
5°	2085.3	2080.6	2075.8	2081.8	2077.0	2072.2	2071.0	2068.7	2060.3	2046.1	2025.8
7.5°	2143.6	2138.9	2140.0	2143.6	2140.0	2137.7	2134.1	2131.7	2118.6	2096.0	2068.7
10°	2225.7	2225.7	2228.1	2231.6	2232.8	2229.3	2222.1	2218.6	2203.1	2174.5	2136.5
12.5°	2344.6	2342.3	2342.3	2339.9	2343.5	2339.9	2332.8	2326.8	2307.8	2270.9	2216.2
15°	2501.7	2492.2	2483.8	2468.4	2463.6	2450.5	2452.9	2449.3	2431.5	2381.5	2312.5
17.5°	2669.4	2668.2	2655.1	2624.2	2593.3	2571.9	2576.6	2575.4	2565.9	2498.1	2410.1
20°	2816.9	2822.9	2811.0	2787.2	2745.5	2705.1	2702.7	2708.7	2696.8	2629.0	2506.4
22.5°	2982.3	2977.5	2965.6	2934.7	2903.7	2860.9	2846.6	2841.9	2837.1	2759.8	2605.2
25°	3139.3	3153.6	3138.1	3109.5	3062.0	3015.6	3003.7	3008.4	2995.3	2893.0	2711.0
27.5°	3337.9	3343.9	3334.4	3295.1	3254.7	3189.2	3166.6	3166.6	3161.9	3017.9	2794.3
30°	3549.7	3566.3	3549.7	3517.6	3475.9	3382.0	3333.2	3328.4	3314.2	3146.4	2891.9
32.5°	3762.6	3774.5	3762.6	3731.7	3684.1	3602.0	3531.8	3521.1	3502.1	3286.8	2991.8
35°	3951.8	3962.5	3960.1	3967.2	3928.0	3824.5	3781.7	3776.9	3726.9	3470.0	3127.4
37.5°	4158.7	4171.8	4154.0	4168.3	4152.8	4055.3	4042.2	4018.4	3947.0	3642.5	3270.1
40°	4394.3	4406.2	4377.6	4383.6	4365.7	4311.0	4244.4	4212.3	4106.4	3829.2	3495.0
42.5°	4646.5	4673.8	4686.9	4676.2	4634.6	4603.6	4487.1	4446.6	4358.6	4165.9	3864.9
45°	5011.7	5052.1	5071.1	5043.8	5025.9	4981.9	4839.2	4790.4	4744.0	4640.5	4381.2
47.5°	5405.4	5442.3	5503.0	5514.9	5529.1	5495.8	5294.8	5247.2	5255.5	5243.6	5016.4
50°	5719.5	5750.4	5887.2	6033.5	6154.9	6164.4	5907.4	5856.3	5901.5	5939.5	5781.3
52.5°	5947.9	5975.2	6156.0	6458.2	6733.0	6936.4	6659.2	6600.9	6637.8	6723.5	6650.9
55°	6133.4	6171.5	6360.6	6824.6	7380.1	7701.3	7524.0	7450.3	7434.8	7540.7	7582.3
57.5°	6231.0	6242.9	6508.2	7111.3	7854.8	8451.9	8529.2	8446.0	8298.5	8356.8	8573.3
60°	6008.5	6028.8	6391.6	7185.0	8229.5	9196.6	9584.4	9515.4	9201.3	9233.5	9472.6
62.5°	5393.5	5422.1	5858.6	6834.1	8260.4	9693.8	10558.6	10514.6	10093.5	9919.8	9991.2
65°	4326.5	4336.0	4788.0	5965.7	7645.4	9755.7	11237.9	11227.2	10716.9	10310.0	10004.3
67.5°	2467.2	2450.5	3054.8	4255.1	6309.5	8951.5	11281.9	11345.0	10919.1	10245.8	9171.6
70°	1069.4	1071.8	1350.2	2099.6	4083.8	7235.0	10478.9	10587.2	10333.8	9176.4	7296.8
72.5°	494.9	502.0	622.1	908.8	1743.9	4488.3	8544.7	8642.2	8424.6	7344.4	5309.1
75°	349.7	355.7	415.2	521.0	801.8	1748.7	5715.9	5920.5	6026.4	5493.4	3498.5
77.5°	265.3	273.6	303.3	361.6	494.9	619.8	2734.8	3222.6	3838.8	3417.6	1802.2
80°	168.9	168.9	201.0	241.5	302.2	322.4	789.9	936.2	1878.3	1408.5	707.8
82.5°	114.2	117.8	136.8	153.5	173.7	183.2	339.0	361.6	542.4	479.4	291.4
85°	60.7	63.0	71.4	70.2	83.3	72.6	142.7	141.6	198.7	217.7	110.6
87.5°	0.0	0.0	1.2	1.2	2.4	3.6	15.5	16.7	41.6	66.6	36.9
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: P633879
 CATALOG NUMBER: GWS-SA2F-750-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	2010.4	1996.1	2003.2	2000.9	2008.0	2008.0	1994.9	1991.3	1992.5	1978.3	1973.5
5°	2028.2	2011.6	2015.1	2010.4	2017.5	2023.5	2017.5	2017.5	2024.7	2013.9	2008.0
7.5°	2068.7	2049.6	2049.6	2043.7	2052.0	2056.8	2052.0	2059.2	2072.2	2061.5	2055.6
10°	2132.9	2110.3	2111.5	2104.4	2107.9	2105.5	2086.5	2080.6	2084.1	2074.6	2069.9
12.5°	2216.2	2185.2	2185.2	2171.0	2162.6	2137.7	2098.4	2084.1	2086.5	2078.2	2074.6
15°	2295.9	2267.3	2261.4	2232.8	2194.8	2148.4	2112.7	2103.2	2105.5	2097.2	2091.3
17.5°	2389.9	2353.0	2331.6	2279.2	2209.0	2161.5	2125.8	2103.2	2084.1	2065.1	2060.3
20°	2476.7	2430.3	2391.0	2310.2	2224.5	2159.1	2092.5	2036.5	1990.2	1965.2	1959.2
22.5°	2565.9	2506.4	2437.4	2331.6	2223.3	2116.3	1993.7	1909.3	1840.3	1803.4	1810.5
25°	2650.4	2575.4	2481.4	2351.8	2185.2	2021.1	1854.5	1728.4	1649.9	1621.4	1613.1
27.5°	2720.6	2627.8	2521.9	2342.3	2106.7	1884.3	1664.2	1523.8	1447.7	1415.6	1407.3
30°	2799.1	2694.4	2580.2	2298.3	1983.0	1692.8	1448.9	1334.7	1280.0	1249.1	1250.2
32.5°	2889.5	2780.0	2662.3	2213.8	1824.8	1485.8	1271.7	1193.1	1149.1	1118.2	1113.4
35°	3010.8	2902.6	2717.0	2086.5	1623.8	1295.4	1150.3	1086.1	1031.4	990.9	982.6
37.5°	3160.7	3086.9	2722.9	1916.4	1408.5	1164.6	1063.5	994.5	927.9	874.3	868.4
40°	3417.6	3333.2	2674.2	1703.5	1225.3	1080.1	990.9	911.2	833.9	774.4	766.1
42.5°	3784.0	3610.4	2569.5	1463.2	1087.3	1013.5	921.9	820.8	742.3	700.7	694.7
45°	4250.3	3919.6	2412.5	1237.2	985.0	948.1	849.4	743.5	701.8	672.1	666.2
47.5°	4821.3	4280.1	2231.6	1061.1	905.3	888.6	775.6	717.3	680.4	655.5	649.5
50°	5504.2	4739.3	2082.9	923.1	833.9	819.6	751.8	701.8	672.1	651.9	647.1
52.5°	6283.3	5249.6	2010.4	824.4	772.0	757.8	743.5	698.3	673.3	657.8	651.9
55°	7092.2	5787.3	1942.6	748.2	719.7	728.0	744.7	710.2	691.1	670.9	665.0
57.5°	7873.8	6291.7	1776.0	688.8	681.6	713.7	750.6	722.1	699.5	679.2	672.1
60°	8412.7	6567.6	1494.1	641.2	653.1	695.9	735.2	704.2	675.7	667.4	663.8
62.5°	8557.8	6534.3	1159.8	592.4	618.6	656.6	694.7	674.5	644.7	657.8	659.0
65°	8218.8	6177.5	870.8	544.8	573.4	605.5	653.1	644.7	634.0	669.7	670.9
67.5°	7258.8	5300.7	663.8	503.2	527.0	566.2	640.0	674.5	676.9	722.1	717.3
70°	5492.3	3960.1	519.8	463.9	491.3	566.2	681.6	697.1	668.5	710.2	700.7
72.5°	3797.1	2613.5	442.5	429.4	447.3	540.1	680.4	680.4	649.5	649.5	631.7
75°	2358.9	1536.9	385.4	385.4	385.4	472.3	661.4	626.9	572.2	547.2	532.9
77.5°	1164.6	747.1	323.6	335.5	322.4	394.9	540.1	512.7	479.4	453.2	443.7
80°	497.2	373.5	261.7	274.8	259.3	297.4	428.2	422.3	390.2	355.7	345.0
82.5°	228.4	192.7	209.4	215.3	189.1	223.6	312.9	312.9	295.0	247.4	229.6
85°	97.5	102.3	145.1	145.1	119.0	126.1	167.7	159.4	142.7	116.6	107.1
87.5°	33.3	50.0	73.8	64.2	25.0	10.7	5.9	2.4	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)