

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: P634848

Luminaire Tested: GWS-SA3C-750-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

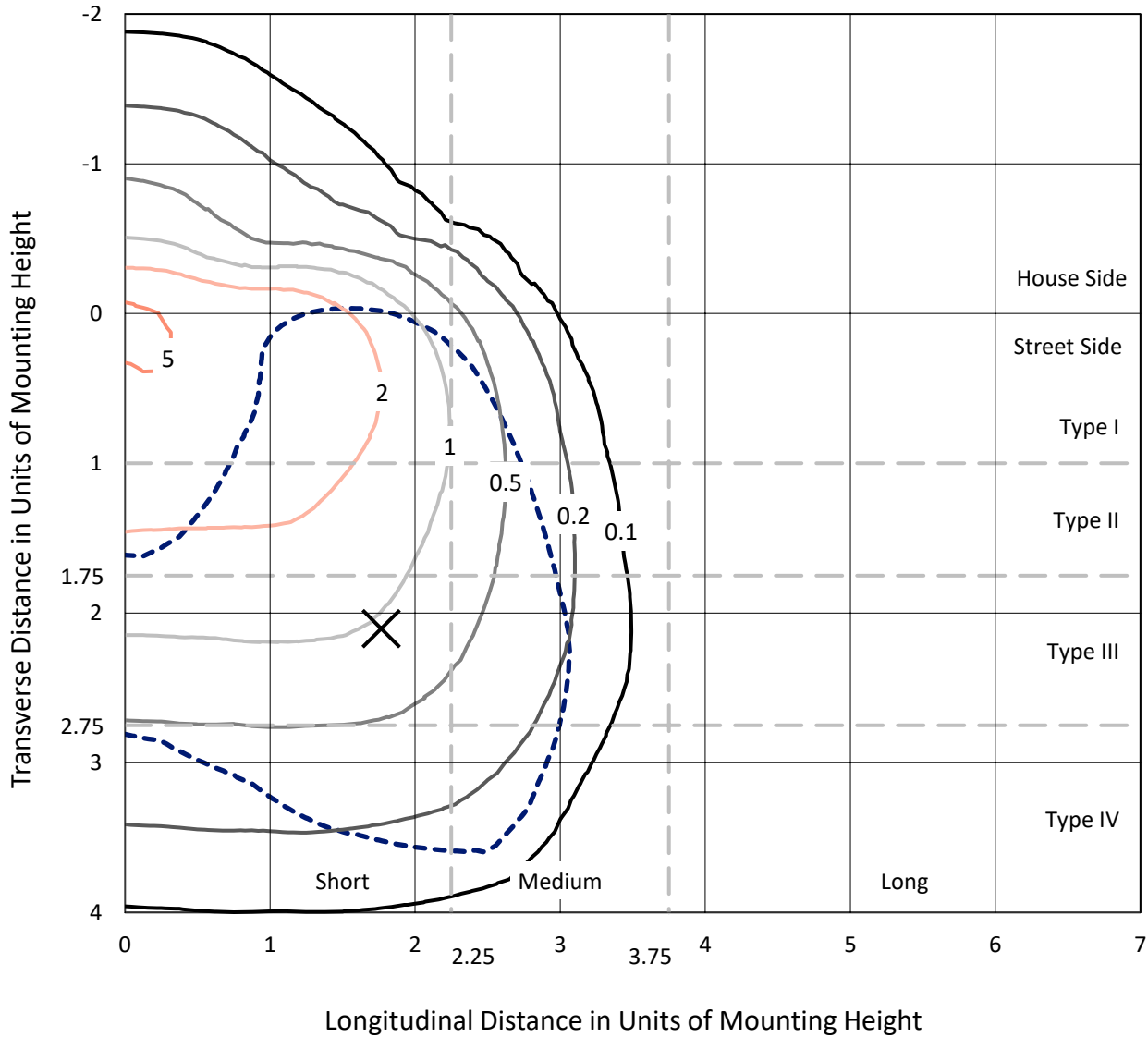
Lumens per Lamp: N/A  
Luminaire Lumens: 13704 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P634848  
 CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

### Iso-Footcandle Lines of Horizontal Illumination

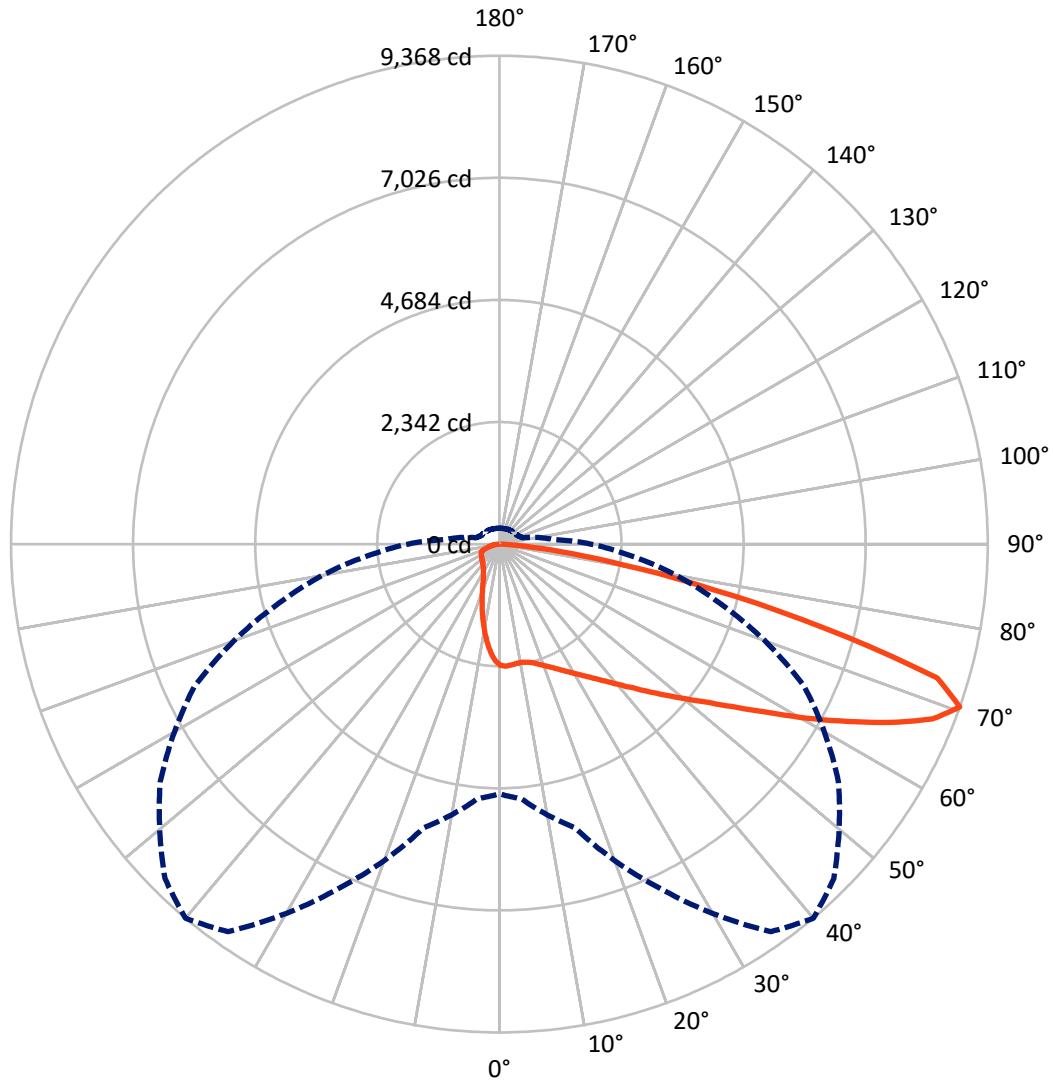
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P634848  
CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P634848

CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2110.8	0.0	2110.8
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	11593.2	0.0	11593.2
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	13704.0	0.0	13704.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.6	1.5
10°-20°	535.9	3.9
20°-30°	841.4	6.1
30°-40°	1265.1	9.2
40°-50°	1952.7	14.2
50°-60°	2899.9	21.2
60°-70°	3655.2	26.7
70°-80°	2113.8	15.4
80°-90°	234.6	1.7
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°	13704.0	100.0
0°-180°	13704.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634848

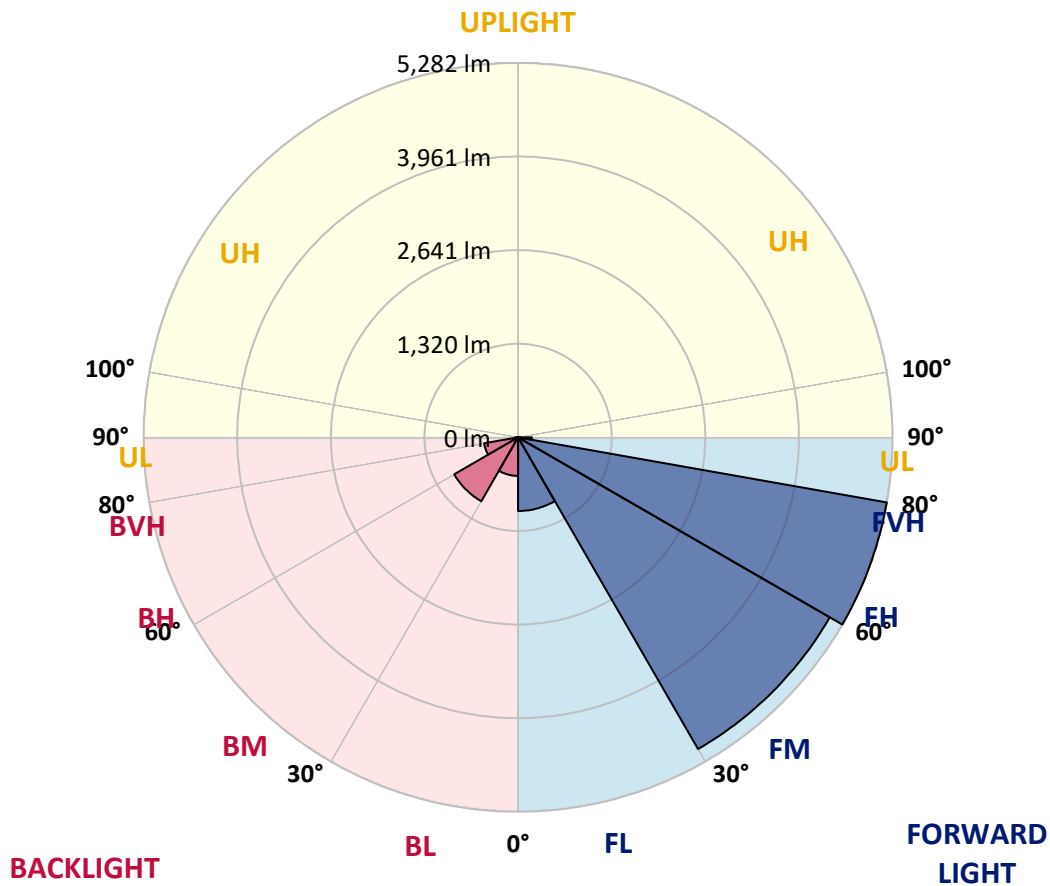
CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.9	7.6			
FM (30°-60°)	5077.2	37.0			
FH (60°-80°)	5281.8	38.5			G3/7500
FVH (80°-90°)	195.4	1.4			G2/225
BL (0°-30°)	544.0	4.0	B2/1000		
BM (30°-60°)	1040.4	7.6	B2/2500		
BH (60°-80°)	487.2	3.6	B1/500		G1/500
BVH (80°-90°)	39.2	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-G3**

Type IV Short





REPORT NUMBER: P634848

CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1
2.5°	2341.4	2345.5	2348.6	2352.7	2350.6	2344.5	2349.6	2349.6	2338.3	2326.1	2314.8
5°	2344.5	2349.6	2348.6	2347.6	2339.4	2329.1	2329.1	2323.0	2303.6	2284.1	2265.7
7.5°	2338.3	2337.3	2336.3	2333.2	2324.0	2312.8	2310.7	2298.5	2272.9	2246.3	2219.7
10°	2310.7	2309.7	2312.8	2319.9	2317.9	2307.7	2307.7	2296.4	2266.7	2234.0	2199.2
12.5°	2288.2	2288.2	2300.5	2319.9	2327.1	2323.0	2324.0	2315.8	2282.1	2243.2	2202.3
15°	2291.3	2292.3	2318.9	2350.6	2363.9	2360.9	2361.9	2352.7	2314.8	2276.0	2220.7
17.5°	2311.8	2316.9	2362.9	2406.9	2424.3	2420.2	2413.0	2397.7	2354.7	2310.7	2243.2
20°	2354.7	2362.9	2422.2	2477.5	2497.9	2488.7	2476.4	2445.8	2398.7	2350.6	2267.8
22.5°	2439.6	2444.7	2510.2	2564.4	2580.8	2569.5	2545.0	2501.0	2446.8	2396.7	2297.4
25°	2559.3	2565.4	2627.8	2678.0	2673.9	2660.6	2626.8	2572.6	2508.1	2455.0	2340.4
27.5°	2701.5	2711.7	2773.1	2813.0	2786.4	2766.9	2729.1	2663.6	2591.0	2542.9	2405.9
30°	2857.0	2861.0	2913.2	2953.1	2912.2	2885.6	2839.6	2769.0	2703.5	2667.7	2504.1
32.5°	3007.3	3011.4	3056.4	3078.9	3036.0	3016.5	2976.6	2902.0	2855.9	2836.5	2650.3
35°	3165.9	3164.9	3201.7	3221.1	3177.1	3168.9	3128.0	3070.7	3062.6	3088.1	2864.1
37.5°	3324.4	3315.2	3334.7	3360.2	3335.7	3343.9	3317.3	3297.8	3329.5	3396.0	3148.5
40°	3451.3	3451.3	3471.7	3503.4	3511.6	3547.4	3532.1	3557.6	3659.9	3818.5	3500.4
42.5°	3563.8	3564.8	3607.8	3656.9	3716.2	3771.4	3783.7	3850.2	4061.9	4310.5	3942.3
45°	3681.4	3682.4	3740.7	3812.3	3938.2	4043.5	4068.1	4217.4	4520.2	4823.0	4422.0
47.5°	3817.5	3806.2	3887.0	4006.7	4185.7	4337.1	4400.5	4612.3	4994.8	5367.2	4874.1
50°	3970.9	3947.4	4037.4	4244.0	4465.0	4672.6	4779.0	5021.4	5504.2	5869.4	5299.6
52.5°	4143.8	4130.5	4224.6	4476.2	4813.8	5053.1	5197.4	5515.5	5999.3	6369.6	5637.2
55°	4358.6	4326.9	4462.9	4783.1	5222.9	5527.7	5698.6	6004.4	6540.4	6823.8	5895.0
57.5°	4593.8	4559.1	4741.1	5166.7	5754.8	6089.3	6303.1	6554.7	7049.8	7171.5	6046.4
60°	4847.5	4836.3	5052.1	5616.7	6389.0	6777.7	6932.2	7160.3	7492.7	7373.1	6008.5
62.5°	5079.7	5075.6	5389.7	6104.7	7061.1	7488.6	7611.4	7671.7	7811.9	7359.8	5707.8
65°	5324.2	5359.0	5783.5	6670.3	7831.3	8250.7	8301.9	8148.4	7919.3	7011.0	5092.0
67.5°	5354.9	5422.4	6031.0	7200.2	8561.7	8957.5	8916.6	8329.5	7602.2	6040.2	3991.4
70°	4789.2	4906.8	5636.2	7281.0	9076.2	9367.7	9072.1	7939.7	6451.4	4376.0	2510.2
72.5°	4001.6	4102.8	4747.3	6209.0	8412.3	8783.6	8383.7	6720.4	4559.1	2510.2	1278.6
75°	3114.7	3232.4	3826.7	4935.5	6298.0	6446.3	6245.8	4686.9	2506.1	1035.2	581.0
77.5°	1900.5	1985.4	2447.8	3343.9	4406.7	4184.7	3546.4	2627.8	1099.6	496.1	359.0
80°	840.8	893.0	1206.0	1796.2	2546.0	2406.9	1897.5	1122.1	601.5	315.1	250.6
82.5°	451.1	484.9	594.3	710.9	1118.0	1169.2	948.2	646.5	323.2	180.0	143.2
85°	198.4	217.9	270.0	257.8	367.2	361.1	364.2	443.9	154.5	82.9	93.1
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	11.3	59.3	15.3	24.5	21.5
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: P634848  
 CATALOG NUMBER: GWS-SA3C-750-U-SL4-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1	2327.1
2.5°	2302.5	2284.1	2279.0	2272.9	2261.6	2242.2	2227.9	2211.5	2204.3	2196.2	2197.2
5°	2245.3	2222.8	2201.3	2173.7	2138.9	2100.0	2073.4	2042.7	2026.4	2011.0	2015.1
7.5°	2196.2	2161.4	2117.4	2059.1	1996.7	1927.1	1870.9	1826.9	1797.2	1776.8	1787.0
10°	2165.5	2124.6	2047.8	1952.7	1847.4	1741.0	1660.2	1584.5	1537.4	1500.6	1498.5
12.5°	2159.3	2106.2	1994.7	1856.6	1704.2	1562.0	1443.3	1341.0	1278.6	1232.6	1250.0
15°	2165.5	2098.0	1948.6	1767.6	1575.3	1383.0	1235.7	1118.0	1043.4	1001.4	998.3
17.5°	2172.6	2089.8	1896.5	1671.4	1440.2	1220.3	1049.5	924.7	848.0	806.0	807.1
20°	2178.8	2077.5	1835.1	1566.1	1303.2	1068.9	892.0	773.3	704.8	674.1	679.2
22.5°	2189.0	2065.2	1769.6	1453.5	1163.0	922.7	767.2	671.0	630.1	609.6	610.7
25°	2208.4	2058.1	1702.1	1330.8	1024.9	806.0	681.3	616.8	591.2	579.0	577.9
27.5°	2248.3	2064.2	1631.5	1212.1	900.2	717.1	626.0	584.1	566.7	558.5	557.5
30°	2314.8	2088.8	1570.2	1091.4	792.7	647.5	588.2	562.6	552.4	545.2	544.2
32.5°	2416.1	2134.8	1503.7	978.9	705.8	596.4	558.5	545.2	538.0	534.0	534.0
35°	2569.5	2218.7	1438.2	880.7	638.3	556.5	535.0	529.9	523.7	521.7	523.7
37.5°	2790.5	2352.7	1378.9	794.8	590.2	525.8	509.4	511.4	506.3	509.4	512.5
40°	3070.7	2531.7	1328.7	724.2	554.4	503.3	486.9	494.1	491.0	494.1	499.2
42.5°	3425.7	2753.6	1290.9	669.0	528.8	484.9	469.5	476.7	474.6	478.7	483.8
45°	3821.6	3046.2	1273.5	630.1	510.4	471.6	455.2	460.3	458.3	461.3	466.4
47.5°	4201.0	3312.1	1288.9	607.6	495.1	460.3	442.9	445.0	443.9	442.9	446.0
50°	4528.4	3523.9	1332.8	600.4	484.9	449.1	432.7	433.7	430.6	424.5	426.5
52.5°	4795.4	3693.7	1359.4	600.4	479.7	436.8	421.4	422.5	416.3	408.1	409.2
55°	4971.3	3762.2	1338.0	599.4	477.7	426.5	410.2	411.2	405.1	394.8	395.9
57.5°	5021.4	3695.7	1247.9	588.2	475.6	418.4	398.9	401.0	396.9	385.6	385.6
60°	4881.3	3452.3	1083.3	562.6	470.5	413.3	390.7	393.8	391.8	380.5	380.5
62.5°	4514.1	3019.6	886.9	523.7	456.2	407.1	383.6	389.7	394.8	388.7	387.7
65°	3826.7	2419.2	721.1	480.8	437.8	396.9	373.4	388.7	400.0	408.1	408.1
67.5°	2871.3	1731.8	588.2	435.8	410.2	376.4	360.1	374.4	382.6	387.7	390.7
70°	1750.2	1018.8	463.4	383.6	370.3	345.7	333.5	319.1	307.9	305.8	306.9
72.5°	856.2	583.1	376.4	326.3	316.1	293.6	266.0	259.8	254.7	251.6	250.6
75°	471.6	406.1	311.0	271.1	252.7	225.0	218.9	208.7	206.6	202.5	203.6
77.5°	333.5	320.2	256.7	219.9	192.3	178.0	181.1	173.9	173.9	170.8	169.8
80°	250.6	251.6	197.4	160.6	142.2	137.1	140.1	140.1	138.1	137.1	136.0
82.5°	158.5	179.0	133.0	103.3	101.3	102.3	101.3	100.2	102.3	99.2	98.2
85°	109.5	128.9	80.8	61.4	61.4	60.4	62.4	61.4	63.4	60.4	60.4
87.5°	24.5	57.3	29.7	18.4	19.4	18.4	19.4	20.5	22.5	23.5	23.5
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)