

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: P634873

Luminaire Tested: GWS-SA3C-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14506 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
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

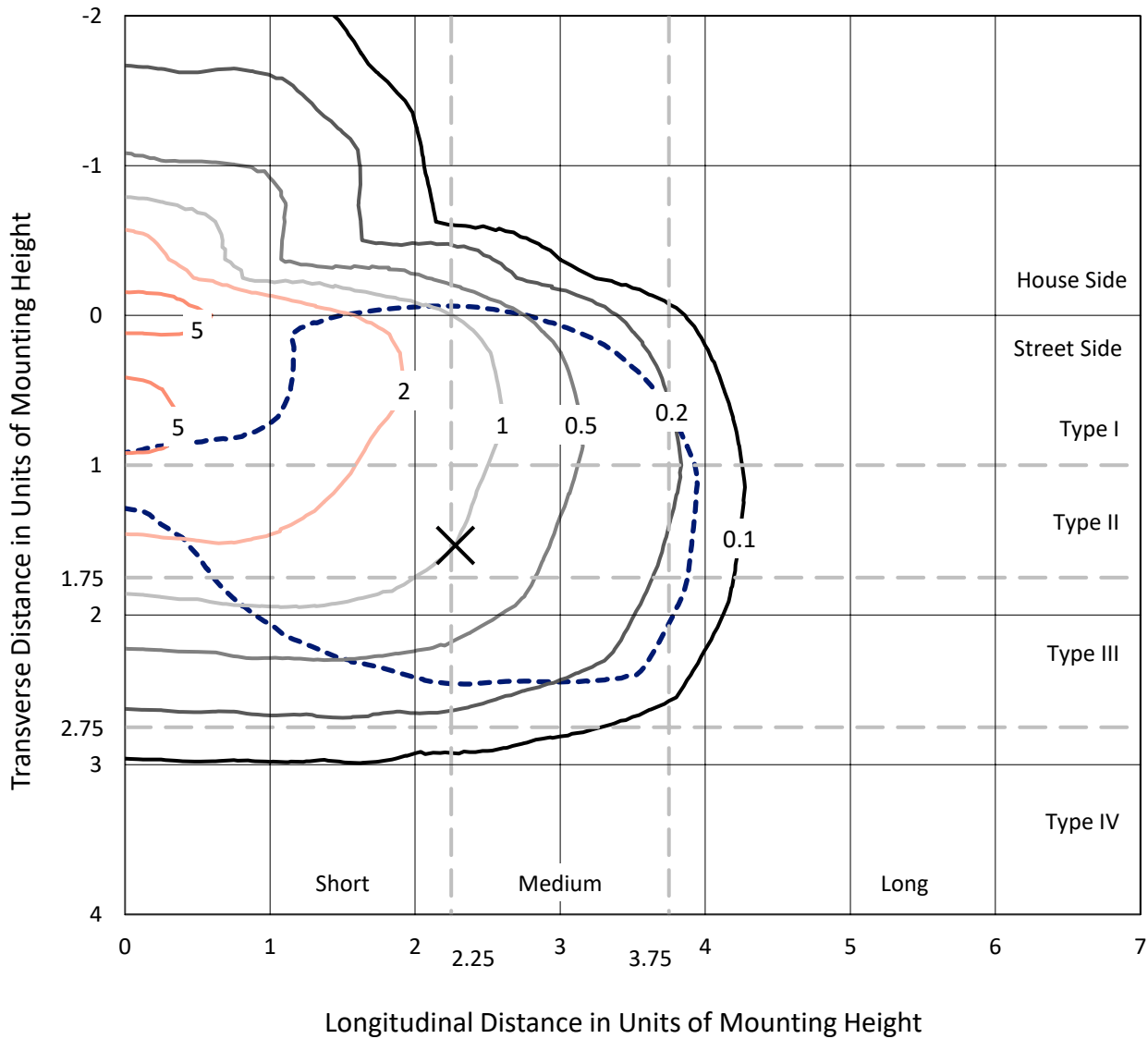


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Iso-Footcandle Lines of Horizontal Illumination

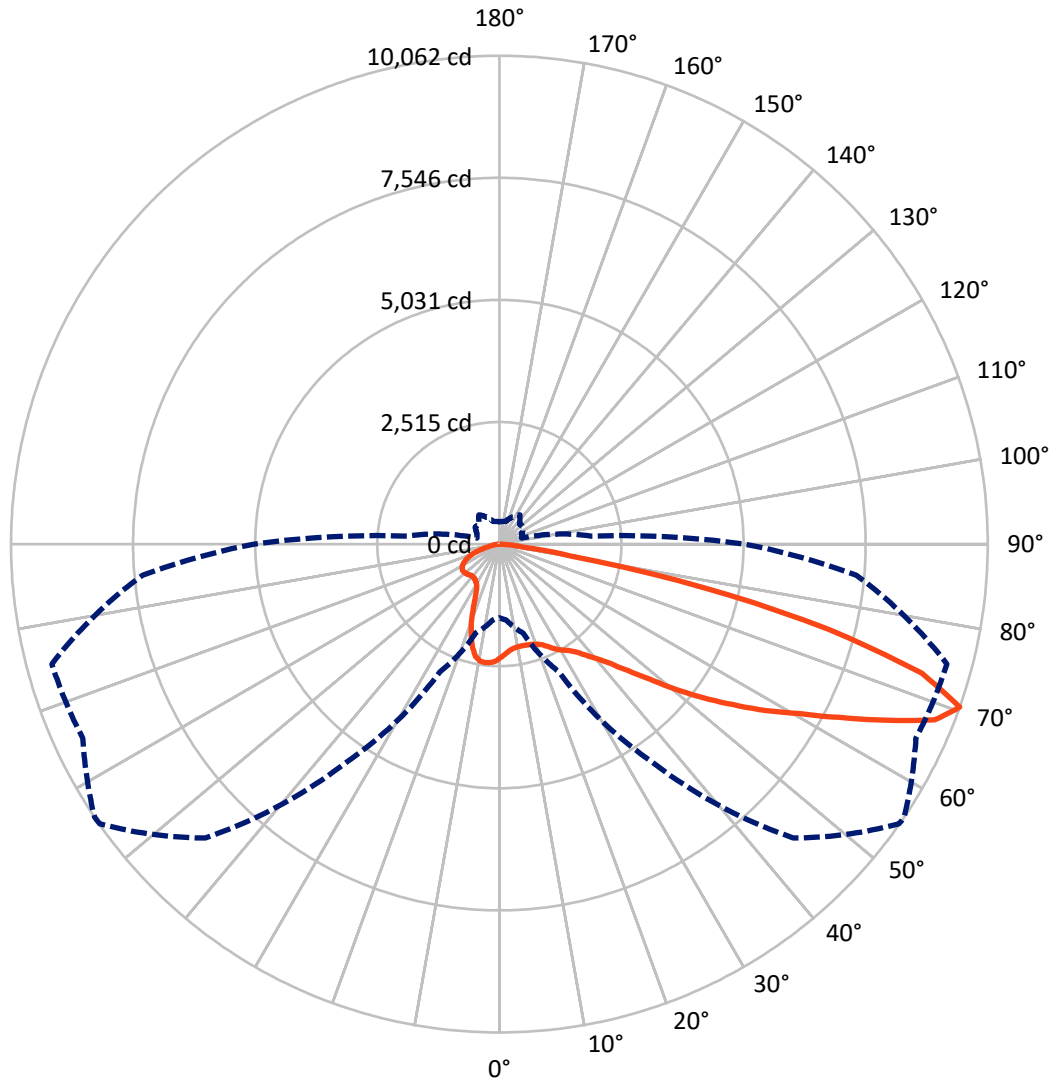
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2788.8	0.0	2788.8
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	11717.2	0.0	11717.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	14506.0	0.0	14506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	1.5
10°-20°	587.1	4.0
20°-30°	970.6	6.7
30°-40°	1451.2	10.0
40°-50°	2159.6	14.9
50°-60°	3070.4	21.2
60°-70°	3802.7	26.2
70°-80°	2099.8	14.5
80°-90°	147.9	1.0
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°	14506.0	100.0
0°-180°	14506.0	100.0

Coefficient of Utilization



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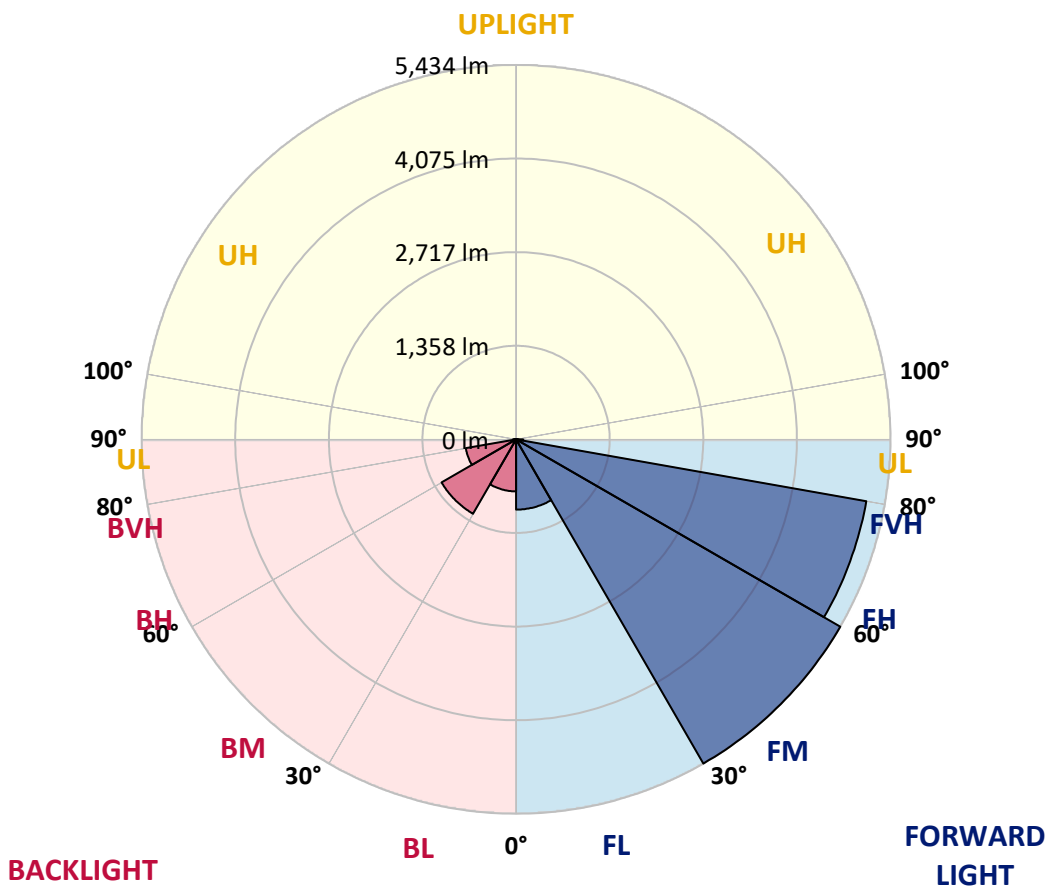
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1019.5	7.0			
FM (30°-60°)	5433.7	37.5			
FH (60°-80°)	5161.2	35.6			G3/7500
FVH (80°-90°)	102.8	0.7			G2/225
BL (0°-30°)	754.9	5.2	B2/1000		
BM (30°-60°)	1247.5	8.6	B2/2500		
BH (60°-80°)	741.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	45.1	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5
2.5°	2191.1	2178.8	2193.2	2200.3	2218.7	2245.3	2268.9	2269.9	2282.2	2311.8	2340.5
5°	2091.9	2085.8	2089.9	2111.3	2130.8	2164.5	2200.3	2203.4	2238.2	2296.5	2353.8
7.5°	2015.2	2007.0	2022.3	2050.0	2074.5	2112.4	2159.4	2163.5	2212.6	2300.6	2388.5
10°	1904.7	1898.6	1927.2	1964.0	2017.2	2079.6	2142.0	2147.1	2211.6	2327.2	2449.9
12.5°	1856.6	1856.6	1868.9	1903.7	1962.0	2044.8	2139.0	2147.1	2227.9	2368.1	2528.7
15°	1931.3	1936.4	1926.2	1924.1	1947.7	2026.4	2143.0	2155.3	2258.6	2410.0	2606.4
17.5°	2081.7	2086.8	2060.2	2018.2	1994.7	2043.8	2158.4	2171.7	2291.4	2456.1	2690.3
20°	2292.4	2298.5	2240.2	2175.8	2095.0	2093.9	2188.1	2200.3	2333.3	2506.2	2779.3
22.5°	2538.9	2543.0	2469.4	2367.1	2243.3	2187.0	2239.2	2251.5	2387.5	2575.7	2875.5
25°	2824.3	2836.6	2747.6	2599.3	2431.5	2314.9	2324.1	2338.4	2484.7	2668.8	2989.0
27.5°	3129.1	3144.5	3042.2	2878.5	2647.3	2456.1	2433.6	2445.8	2588.0	2726.1	3049.4
30°	3441.1	3452.4	3350.1	3162.9	2879.6	2615.6	2525.6	2532.8	2633.0	2753.7	3110.7
32.5°	3787.9	3778.7	3680.5	3464.7	3147.6	2806.9	2611.5	2609.5	2683.2	2809.0	3198.7
35°	4113.2	4126.5	4022.2	3783.8	3442.2	3043.2	2740.4	2732.3	2789.5	2899.0	3322.5
37.5°	4507.0	4502.9	4378.1	4120.4	3737.8	3269.3	2921.5	2907.2	2927.6	3039.1	3495.4
40°	4788.3	4817.0	4736.2	4495.8	4083.5	3547.5	3133.2	3101.5	3106.6	3212.0	3726.5
42.5°	5018.5	5045.1	5053.3	4899.8	4479.4	3891.2	3397.2	3365.4	3368.5	3517.9	4010.9
45°	5195.5	5231.3	5346.9	5301.9	4925.4	4288.1	3754.2	3721.4	3723.5	3889.2	4354.6
47.5°	5268.1	5307.0	5541.2	5648.6	5399.0	4762.8	4198.1	4150.0	4157.2	4340.3	4747.4
50°	5244.6	5296.7	5613.9	5915.6	5795.9	5245.6	4729.0	4695.3	4667.6	4933.6	5174.0
52.5°	5042.0	5099.3	5606.7	6085.4	6120.2	5701.8	5277.3	5257.9	5251.7	5563.7	5650.7
55°	4445.7	4541.8	5360.2	6130.4	6373.9	6131.5	5871.6	5838.9	5870.6	6238.9	6132.5
57.5°	4115.3	4186.9	4877.3	6080.3	6581.5	6540.6	6464.9	6468.0	6503.8	6972.3	6716.6
60°	3927.0	4010.9	4609.3	5943.2	6781.0	7037.8	7085.9	7085.9	7150.3	7763.0	7309.9
62.5°	3677.4	3762.3	4358.7	5679.3	6965.1	7622.9	7866.3	7863.3	7888.9	8611.0	7889.9
65°	3171.1	3249.9	3855.4	5263.0	7055.2	8267.3	8753.2	8744.0	8692.9	9366.0	8273.5
67.5°	2302.6	2377.3	2953.2	4471.2	6730.9	8787.0	9666.7	9670.8	9364.9	9841.6	8293.9
70°	1518.0	1569.2	1898.6	2904.1	5473.7	8563.0	10049.3	10061.6	9468.3	9545.0	7381.5
72.5°	947.2	983.0	1185.6	1731.8	3234.5	6777.9	9067.3	9101.0	8518.0	8388.0	6065.0
75°	629.1	653.7	788.7	1009.6	1496.5	3668.2	6892.5	7000.9	6827.0	6575.4	4225.7
77.5°	378.5	398.9	502.3	641.4	662.9	1433.1	4023.2	4303.5	4328.0	3433.0	1769.7
80°	172.9	196.4	277.2	366.2	352.9	499.2	1418.8	1484.3	1751.3	1090.4	558.5
82.5°	102.3	112.5	184.1	182.1	150.4	242.4	510.4	523.7	445.0	398.9	238.3
85°	40.9	48.1	77.7	68.5	55.2	78.8	192.3	201.5	193.3	173.9	88.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	17.4	18.4	26.6	48.1	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5	2341.5
2.5°	2358.9	2352.7	2383.4	2407.0	2417.2	2427.4	2418.2	2415.1	2415.1	2394.7	2384.5
5°	2384.5	2387.5	2429.5	2448.9	2448.9	2440.7	2416.2	2398.8	2392.6	2366.0	2358.9
7.5°	2432.5	2445.8	2484.7	2483.7	2455.0	2410.0	2348.7	2301.6	2258.6	2240.2	2229.0
10°	2511.3	2528.7	2555.3	2512.3	2432.5	2313.9	2184.0	2081.7	2020.3	1971.2	1971.2
12.5°	2601.3	2617.7	2612.6	2513.3	2348.7	2126.7	1939.5	1821.8	1735.9	1690.9	1690.9
15°	2691.3	2704.6	2649.4	2466.3	2173.7	1878.1	1673.5	1532.4	1457.7	1415.7	1415.7
17.5°	2782.4	2781.4	2664.7	2357.9	1945.6	1602.9	1402.4	1293.0	1267.4	1260.3	1259.2
20°	2870.3	2846.8	2645.3	2176.8	1680.7	1325.7	1198.9	1206.0	1243.9	1260.3	1262.3
22.5°	2969.6	2911.3	2588.0	1945.6	1379.9	1133.4	1141.6	1200.9	1256.2	1280.7	1283.8
25°	3070.8	2966.5	2491.9	1674.5	1128.3	1062.8	1126.2	1192.7	1255.1	1286.8	1289.9
27.5°	3111.8	2966.5	2328.2	1360.5	994.3	1033.2	1102.7	1167.2	1232.6	1269.5	1276.6
30°	3145.5	2940.9	2099.1	1077.1	939.1	1004.5	1064.9	1124.2	1188.6	1233.7	1241.8
32.5°	3192.6	2918.4	1821.8	905.3	913.5	976.9	1018.8	1069.0	1127.3	1156.9	1153.9
35°	3247.8	2883.6	1487.3	823.5	892.0	953.4	983.0	1012.7	986.1	985.1	988.2
37.5°	3326.6	2853.0	1195.8	786.6	877.7	937.0	961.6	898.1	861.3	846.0	839.8
40°	3440.1	2840.7	943.1	765.2	875.6	936.0	918.6	820.4	770.3	717.1	716.1
42.5°	3583.3	2831.5	779.5	754.9	882.8	959.5	859.3	769.2	665.9	642.4	640.4
45°	3767.5	2817.2	697.6	752.9	900.2	977.9	853.1	698.7	628.1	617.9	617.9
47.5°	3989.4	2794.7	660.8	752.9	919.6	969.7	834.7	683.3	610.7	621.9	629.1
50°	4244.1	2766.0	641.4	750.8	939.1	969.7	795.8	680.2	606.6	664.9	688.4
52.5°	4516.2	2733.3	628.1	742.6	952.3	970.8	797.9	690.5	610.7	675.1	694.6
55°	4817.0	2728.2	609.7	725.3	956.4	944.2	803.0	713.0	616.8	611.7	612.7
57.5°	5196.5	2789.5	596.4	699.7	940.1	890.0	813.2	729.4	609.7	610.7	617.9
60°	5593.4	2905.1	607.6	675.1	906.3	838.8	820.4	721.2	574.9	558.5	560.6
62.5°	5931.0	2993.1	616.8	663.9	857.2	793.8	813.2	702.8	555.5	551.4	560.6
65°	6072.1	2920.5	594.3	640.4	785.6	738.6	797.9	679.2	539.1	523.7	524.8
67.5°	5915.6	2579.8	550.3	588.2	704.8	668.0	773.3	648.5	516.6	498.2	494.1
70°	5053.3	1895.5	474.6	505.3	606.6	585.1	735.5	608.6	480.8	467.5	458.3
72.5°	4072.3	1342.1	393.8	402.0	475.7	493.1	670.0	558.5	439.9	402.0	388.7
75°	2834.5	842.9	328.4	320.2	343.7	376.4	522.7	463.4	379.5	339.6	327.3
77.5°	1219.3	432.7	256.8	252.7	229.1	260.8	401.0	386.7	318.1	272.1	264.9
80°	408.1	250.6	185.2	178.0	152.4	183.1	282.3	308.9	249.6	201.5	189.2
82.5°	204.6	145.3	117.6	106.4	102.3	115.6	166.7	192.3	172.9	139.1	117.6
85°	100.2	82.9	64.4	63.4	53.2	50.1	69.6	81.8	77.7	57.3	54.2
87.5°	36.8	32.7	20.5	16.4	10.2	7.2	4.1	4.1	3.1	3.1	3.1
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)