

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: P633382

Luminaire Tested: GWS-SA2E-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12738.9 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

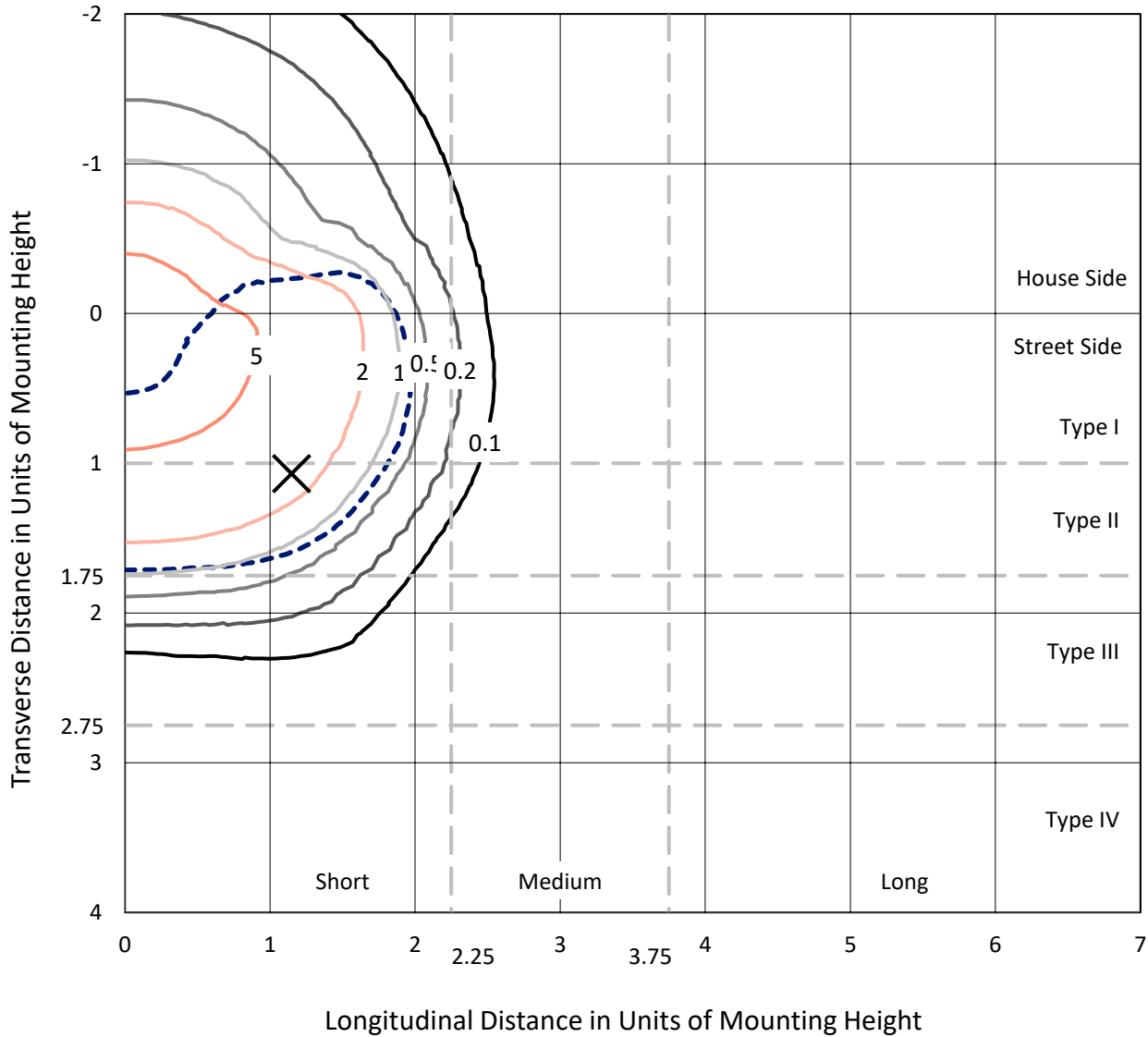
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633382
 CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

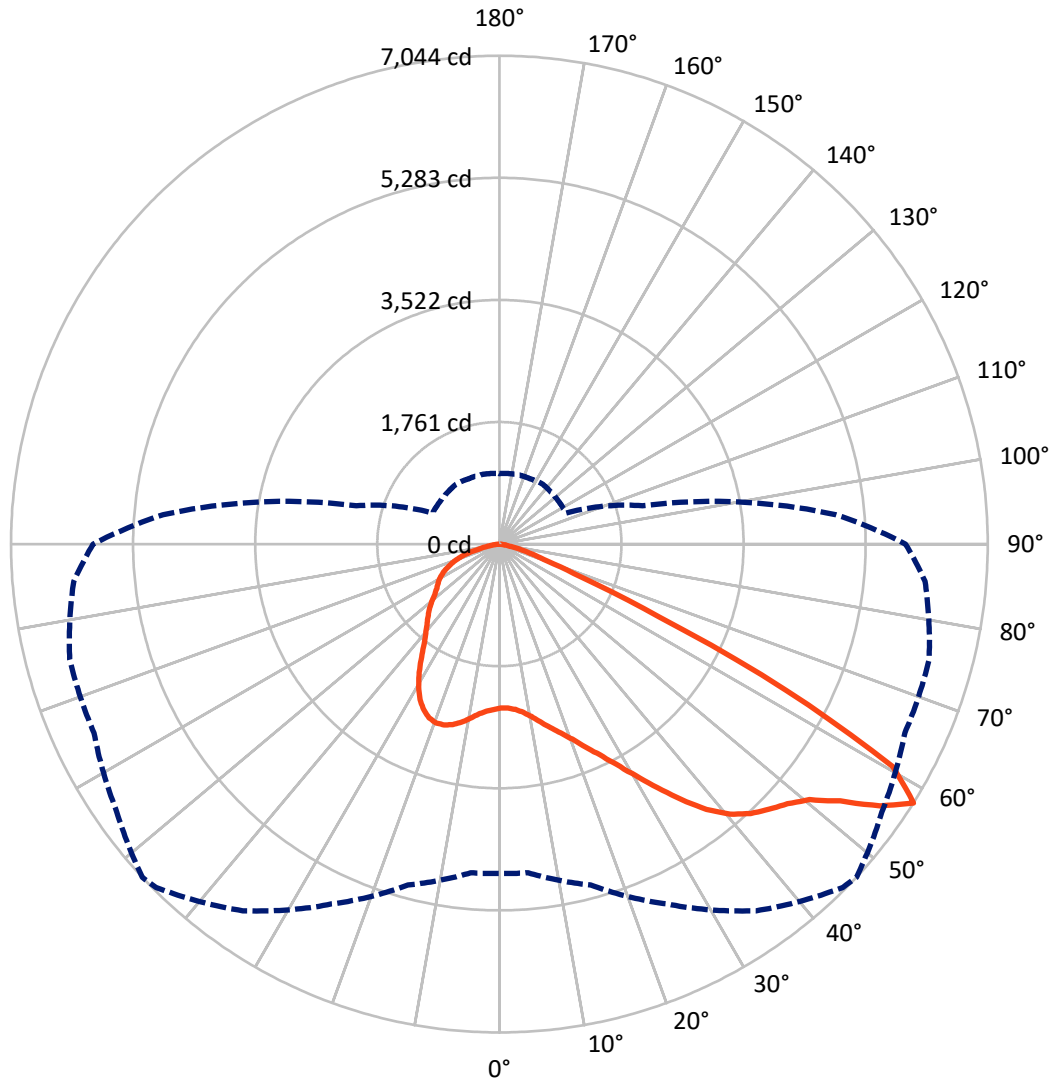
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

REPORT NUMBER: P633382
CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633382

CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4031.8	0.0	4031.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	8707.1	0.0	8707.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	12738.9	0.0	12738.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	1.8
10°-20°	766.4	6.0
20°-30°	1380.0	10.8
30°-40°	2084.3	16.4
40°-50°	2806.7	22.0
50°-60°	3372.7	26.5
60°-70°	1642.5	12.9
70°-80°	404.7	3.2
80°-90°	48.6	0.4
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°	12738.9	100.0
0°-180°	12738.9	100.0

Coefficient of Utilization



REPORT NUMBER: P633382

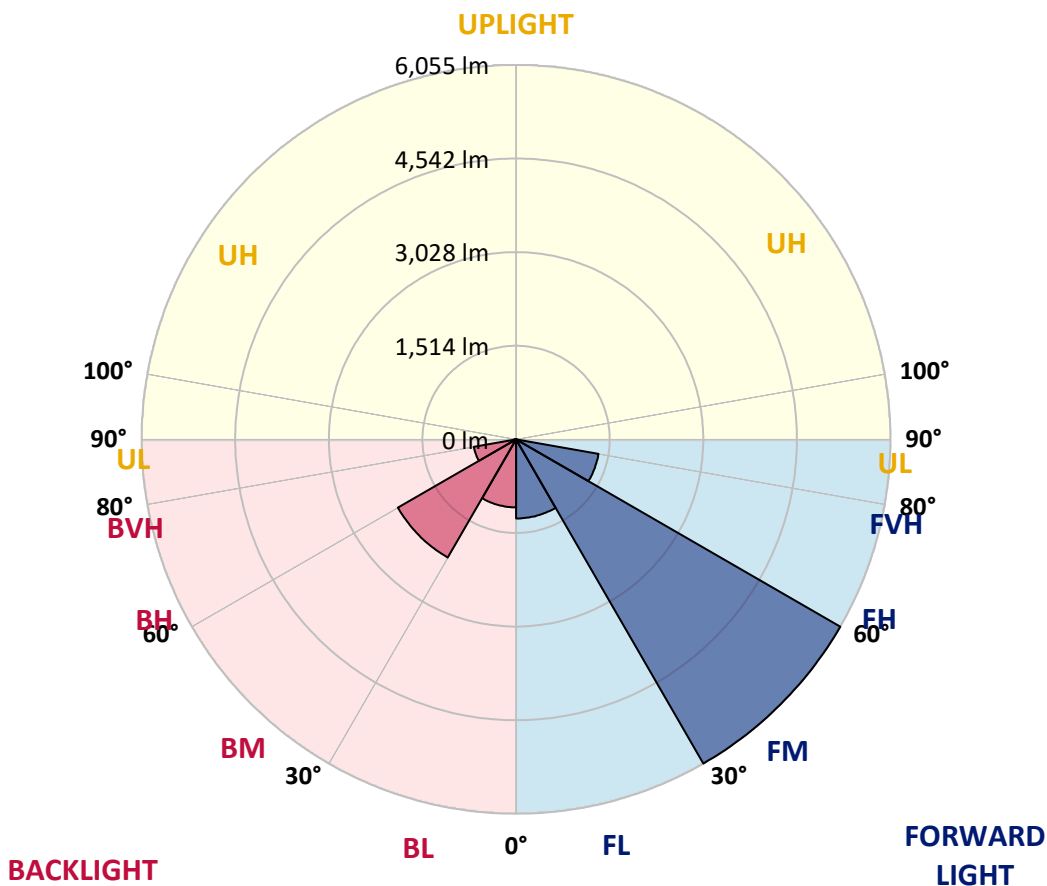
CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1279.6	10.0			
FM (30°-60°)	6055.5	47.5			
FH (60°-80°)	1353.8	10.6			G1/1800
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1099.8	8.6	B3/2500		
BM (30°-60°)	2208.2	17.3	B2/2500		
BH (60°-80°)	693.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	30.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P633382
 CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4
2.5°	2358.2	2357.1	2357.1	2363.5	2363.5	2365.7	2368.9	2372.1	2373.1	2367.8	2356.0
5°	2383.8	2383.8	2383.8	2389.2	2389.2	2391.3	2395.6	2396.7	2395.6	2387.1	2375.3
7.5°	2424.5	2424.5	2425.6	2432.0	2437.3	2440.6	2448.0	2447.0	2443.8	2429.9	2414.9
10°	2490.8	2494.1	2497.3	2504.8	2515.5	2522.9	2528.3	2528.3	2524.0	2502.6	2483.4
12.5°	2585.0	2589.3	2592.5	2598.9	2607.5	2620.3	2632.1	2632.1	2626.7	2600.0	2571.1
15°	2695.2	2699.5	2698.4	2700.6	2716.6	2734.8	2744.4	2750.8	2753.0	2715.5	2670.6
17.5°	2821.5	2825.7	2821.5	2815.0	2817.2	2846.1	2863.2	2886.7	2900.6	2850.3	2778.7
20°	2935.9	2931.7	2931.7	2935.9	2942.4	2977.7	3003.3	3041.9	3059.0	2998.0	2886.7
22.5°	3056.8	3066.5	3062.2	3062.2	3087.9	3146.7	3177.7	3228.0	3246.2	3167.0	3017.3
25°	3213.1	3221.6	3219.5	3221.6	3251.6	3335.0	3366.1	3459.1	3477.3	3363.9	3161.7
27.5°	3384.2	3398.2	3404.6	3402.4	3450.6	3559.7	3598.2	3727.7	3760.9	3584.3	3315.8
30°	3606.8	3621.8	3627.1	3625.0	3681.7	3830.4	3874.3	4021.9	4069.0	3845.4	3511.6
32.5°	3864.7	3879.6	3895.7	3902.1	3974.9	4126.8	4189.9	4342.9	4410.3	4147.1	3748.0
35°	4120.4	4133.2	4164.2	4214.5	4314.0	4469.2	4524.8	4675.7	4740.9	4460.6	4033.7
37.5°	4402.8	4411.4	4438.1	4507.7	4651.1	4798.7	4854.4	4998.8	5006.3	4763.4	4356.8
40°	4712.1	4712.1	4706.7	4775.2	4925.0	5073.7	5121.8	5205.3	5161.4	4996.7	4671.4
42.5°	4974.2	4969.9	4974.2	5038.4	5149.7	5270.6	5312.3	5296.2	5240.6	5175.3	4956.0
45°	5210.7	5213.9	5252.4	5301.6	5359.4	5431.1	5455.7	5364.7	5314.4	5318.7	5183.9
47.5°	5371.1	5374.4	5464.2	5546.6	5581.9	5604.4	5593.7	5467.4	5441.8	5489.9	5359.4
50°	5392.5	5409.7	5564.8	5733.9	5821.6	5824.8	5794.8	5640.8	5633.3	5687.8	5453.5
52.5°	5396.8	5413.9	5607.6	5912.5	6140.4	6188.6	6154.3	5993.9	5915.7	5861.2	5569.1
55°	5380.8	5400.0	5614.0	6032.4	6468.9	6661.5	6664.7	6437.9	6188.6	6152.2	5898.6
57.5°	4750.6	4758.1	5089.7	5727.4	6456.1	7001.7	7043.5	6735.3	6450.7	6416.5	6162.9
60°	3309.4	3339.3	3699.9	4541.9	5423.6	6385.5	6520.3	6430.4	6239.9	5990.6	5287.7
62.5°	1657.4	1683.0	2044.7	2840.7	3740.5	4500.2	4644.6	4739.9	4784.8	4517.3	3600.4
65°	713.7	732.9	957.6	1484.0	2117.4	2484.4	2534.7	2649.2	2929.5	2613.9	1939.8
67.5°	477.2	490.0	604.5	905.2	1247.6	1271.1	1263.6	1288.2	1349.2	1113.8	876.3
70°	365.9	376.6	453.7	663.4	896.6	767.2	726.5	659.1	715.8	729.7	710.4
72.5°	265.3	273.9	331.7	452.6	561.7	490.0	483.6	517.9	594.9	616.3	604.5
75°	171.2	175.5	210.8	248.2	290.0	314.6	327.4	389.5	467.6	483.6	469.7
77.5°	114.5	117.7	138.0	159.4	164.8	165.8	170.1	197.9	251.4	281.4	278.2
80°	59.9	59.9	67.4	67.4	77.0	92.0	96.3	114.5	139.1	154.1	155.1
82.5°	23.5	24.6	28.9	32.1	38.5	47.1	50.3	59.9	72.8	83.5	93.1
85°	9.6	10.7	11.8	13.9	17.1	21.4	22.5	25.7	34.2	42.8	48.1
87.5°	0.0	0.0	1.1	1.1	2.1	3.2	3.2	4.3	5.3	9.6	12.8
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: P633382

CATALOG NUMBER: GWS-SA2E-750-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4	2362.4
2.5°	2369.9	2356.0	2369.9	2374.2	2386.0	2390.3	2382.8	2381.7	2381.7	2371.0	2367.8
5°	2386.0	2373.1	2387.1	2393.5	2410.6	2421.3	2423.4	2432.0	2437.3	2433.1	2432.0
7.5°	2425.6	2409.5	2424.5	2434.1	2456.6	2473.7	2481.2	2500.5	2514.4	2512.2	2511.2
10°	2495.1	2473.7	2490.8	2506.9	2531.5	2551.8	2552.9	2563.6	2577.5	2573.2	2571.1
12.5°	2575.4	2555.0	2574.3	2590.3	2619.2	2627.8	2613.9	2609.6	2611.7	2606.4	2602.1
15°	2673.8	2644.9	2662.0	2680.2	2696.3	2686.6	2656.7	2644.9	2643.8	2636.4	2632.1
17.5°	2772.2	2735.9	2748.7	2758.3	2750.8	2720.9	2683.4	2663.1	2653.5	2638.5	2634.2
20°	2869.6	2823.6	2821.5	2814.0	2779.7	2725.2	2674.9	2634.2	2609.6	2589.3	2581.8
22.5°	2980.9	2916.7	2884.6	2850.3	2775.4	2686.6	2610.7	2552.9	2513.3	2487.6	2479.1
25°	3100.7	3009.8	2943.4	2875.0	2732.6	2604.3	2498.3	2419.2	2372.1	2344.3	2334.6
27.5°	3219.5	3094.3	2994.8	2878.2	2647.1	2485.5	2343.2	2236.2	2189.1	2166.6	2159.2
30°	3380.0	3206.6	3055.8	2836.4	2534.7	2320.7	2143.1	2035.0	2004.0	1988.0	1981.5
32.5°	3565.1	3348.9	3137.1	2748.7	2391.3	2128.1	1940.9	1866.0	1844.6	1813.6	1812.5
35°	3809.0	3552.2	3214.1	2619.2	2210.5	1921.6	1785.7	1732.2	1693.7	1644.5	1640.2
37.5°	4093.6	3805.8	3255.9	2454.5	1999.7	1751.5	1670.2	1610.3	1548.2	1482.9	1474.4
40°	4387.9	4102.2	3259.1	2259.7	1793.2	1639.2	1570.7	1492.6	1415.5	1342.8	1333.2
42.5°	4697.1	4378.2	3202.4	2035.0	1624.2	1541.8	1472.2	1373.8	1287.1	1237.9	1232.6
45°	4973.1	4600.8	3074.0	1798.6	1499.0	1460.5	1371.7	1265.7	1219.7	1184.4	1176.9
47.5°	5190.3	4748.4	2900.6	1586.7	1397.4	1377.0	1261.5	1206.9	1171.6	1139.5	1132.0
50°	5297.3	4781.6	2674.9	1414.5	1303.2	1278.6	1199.4	1157.7	1134.1	1108.5	1102.0
52.5°	5430.0	4819.1	2480.1	1270.0	1211.2	1178.0	1148.1	1114.9	1097.8	1081.7	1076.4
55°	5734.9	4960.3	2377.4	1154.5	1123.4	1108.5	1104.2	1076.4	1071.0	1060.3	1050.7
57.5°	5859.0	4869.3	2134.5	1060.3	1053.9	1056.0	1066.7	1041.1	1035.7	1022.9	1016.5
60°	4712.1	3680.6	1445.5	979.0	996.1	1010.0	1020.7	995.1	987.6	985.4	976.9
62.5°	3019.4	2264.0	1009.0	903.0	928.7	945.8	952.3	927.6	922.3	939.4	940.5
65°	1571.8	1233.7	818.5	821.7	843.1	868.8	881.6	873.1	870.9	889.1	890.2
67.5°	802.5	754.3	713.7	725.4	742.5	775.7	805.7	843.1	856.0	858.1	859.2
70°	683.7	662.3	642.0	649.5	667.6	685.8	714.7	732.9	711.5	706.2	704.0
72.5°	582.1	566.0	556.4	564.9	574.6	571.4	562.8	571.4	574.6	575.6	576.7
75°	452.6	440.8	433.3	434.4	434.4	422.6	406.6	397.0	386.3	377.7	377.7
77.5°	277.1	279.3	286.7	285.7	284.6	280.3	264.3	255.7	230.0	222.5	222.5
80°	158.4	161.6	169.1	171.2	171.2	165.8	149.8	140.2	128.4	123.0	122.0
82.5°	96.3	100.6	104.9	107.0	108.1	101.6	87.7	80.2	73.8	68.5	68.5
85°	50.3	52.4	56.7	57.8	54.6	48.1	40.7	37.4	31.0	30.0	30.0
87.5°	13.9	15.0	17.1	13.9	12.8	9.6	5.3	4.3	2.1	1.1	1.1
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)