

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: P639706

Luminaire Tested: GWS-SA5C-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14503 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

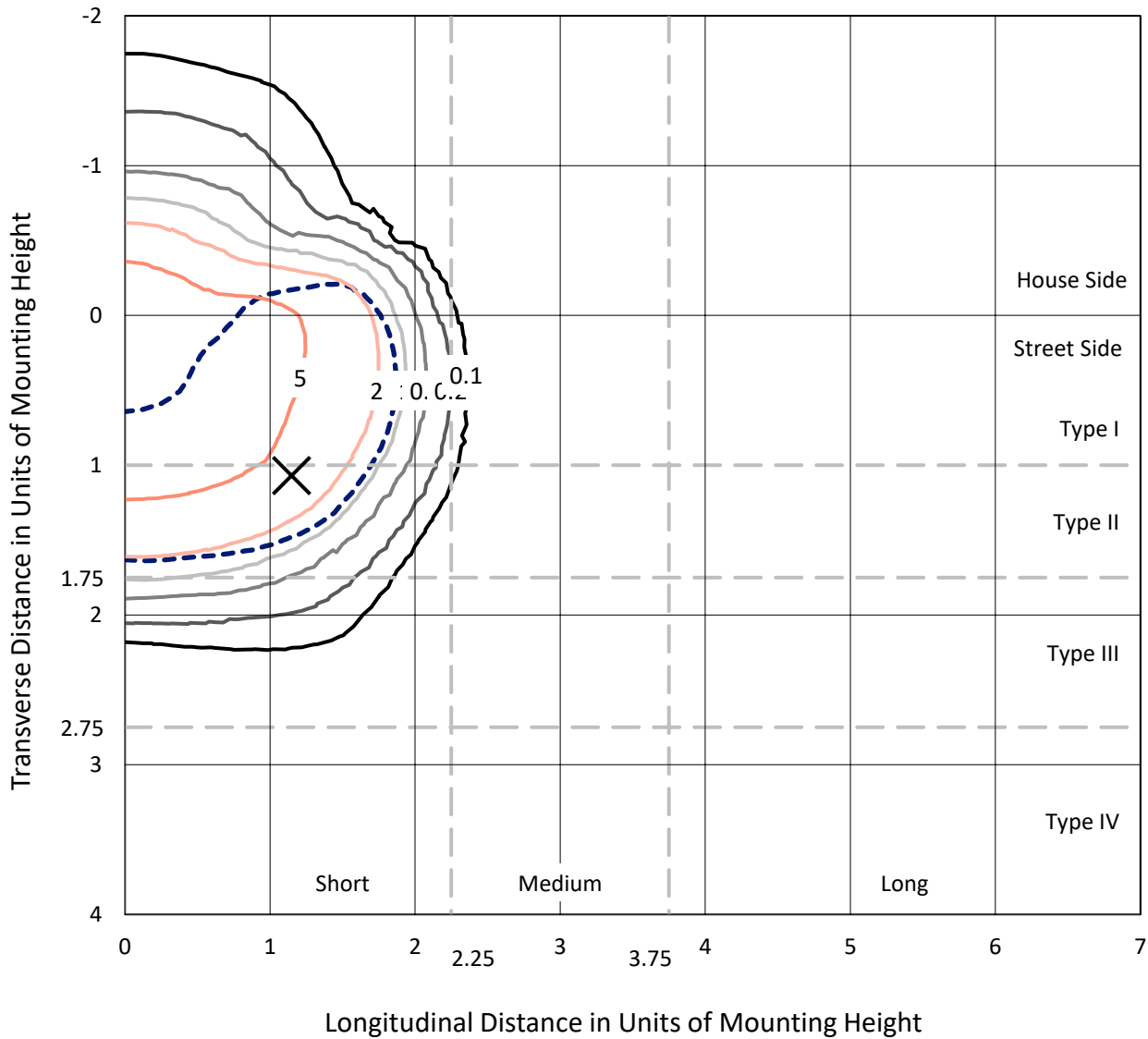
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639706
 CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

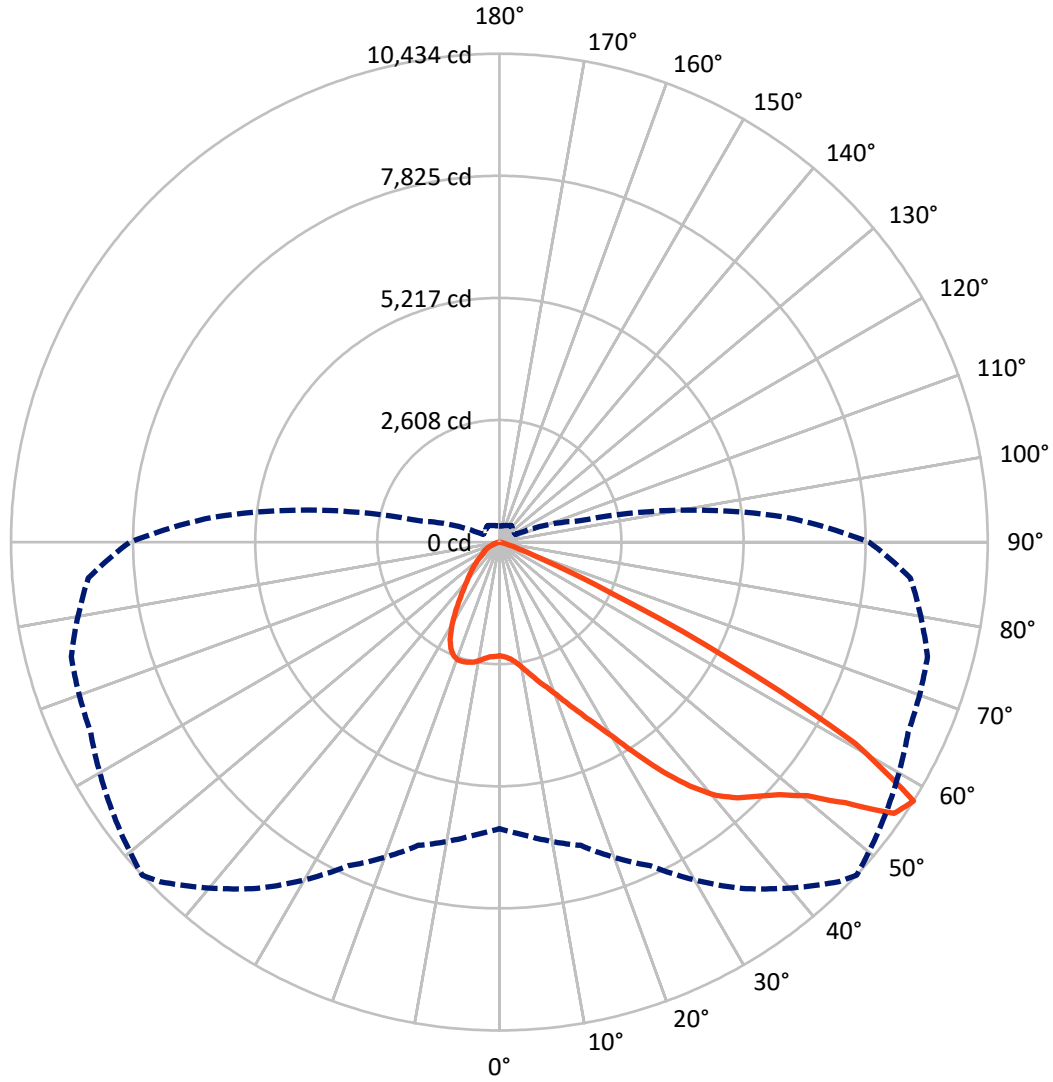
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

REPORT NUMBER: P639706
CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639706

CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3146.4	0.0	3146.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11356.6	0.0	11356.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	14503.0	0.0	14503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	1.7
10°-20°	815.0	5.6
20°-30°	1513.3	10.4
30°-40°	2422.5	16.7
40°-50°	3541.1	24.4
50°-60°	4370.4	30.1
60°-70°	1460.3	10.1
70°-80°	136.1	0.9
80°-90°	2.8	0.0
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°	14503.0	100.0
0°-180°	14503.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639706

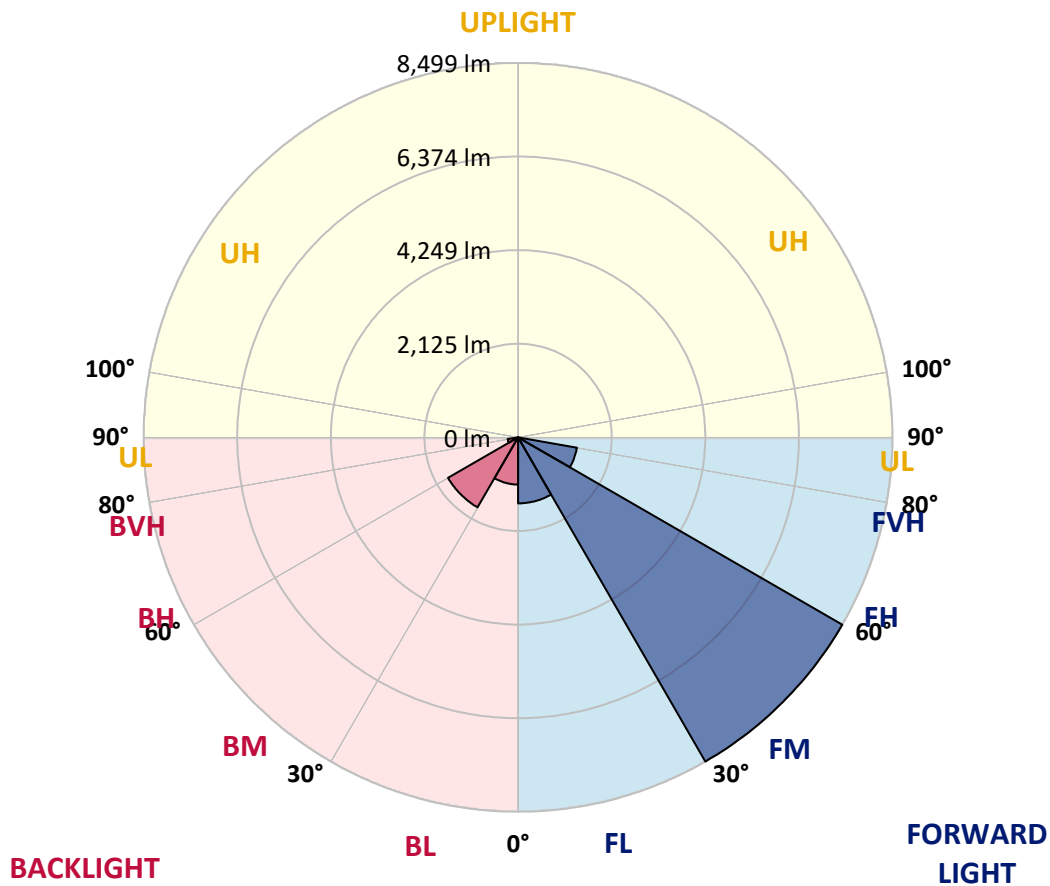
CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1498.8	10.3			
FM (30°-60°)	8498.6	58.6			
FH (60°-80°)	1357.2	9.4			G1/1800
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	1071.0	7.4	B3/2500		
BM (30°-60°)	1835.3	12.7	B2/2500		
BH (60°-80°)	239.2	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





REPORT NUMBER: P639706
 CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8
2.5°	2453.1	2451.4	2449.7	2459.8	2456.4	2454.8	2458.1	2458.1	2458.1	2448.0	2427.8
5°	2512.0	2512.0	2510.3	2520.4	2512.0	2506.9	2508.6	2508.6	2501.9	2483.4	2458.1
7.5°	2604.6	2601.2	2597.9	2608.0	2599.5	2597.9	2601.2	2591.1	2579.3	2549.0	2513.7
10°	2737.6	2737.6	2732.6	2742.7	2735.9	2732.6	2732.6	2725.8	2703.9	2656.8	2604.6
12.5°	2921.1	2912.7	2900.9	2892.5	2889.1	2887.5	2889.1	2879.0	2855.5	2794.9	2722.5
15°	3121.5	3114.7	3096.2	3082.8	3064.2	3060.9	3071.0	3062.6	3039.0	2956.5	2853.8
17.5°	3374.0	3382.4	3335.3	3306.7	3252.8	3249.4	3252.8	3266.3	3249.4	3143.4	2993.5
20°	3589.5	3596.3	3560.9	3540.7	3491.9	3470.0	3476.7	3498.6	3480.1	3355.5	3146.7
22.5°	3820.2	3828.6	3791.6	3749.5	3727.6	3727.6	3752.8	3783.2	3757.9	3594.6	3321.8
25°	4096.3	4103.0	4072.7	4017.2	3978.5	4027.3	4064.3	4145.1	4103.0	3880.8	3528.9
27.5°	4412.8	4414.5	4370.7	4313.5	4293.3	4384.2	4421.3	4545.8	4529.0	4202.4	3747.8
30°	4751.2	4752.9	4742.8	4704.1	4685.6	4805.1	4855.6	5035.8	5024.0	4601.4	4045.8
32.5°	5103.1	5103.1	5121.7	5118.3	5140.2	5335.5	5416.3	5621.7	5609.9	5089.7	4416.2
35°	5456.7	5458.4	5490.4	5571.2	5662.1	5921.4	6027.5	6276.6	6249.7	5673.9	4889.3
37.5°	5859.1	5842.3	5886.0	6007.2	6209.3	6509.0	6610.0	6847.4	6817.1	6271.6	5507.2
40°	6344.0	6313.7	6313.7	6455.1	6684.1	7029.2	7115.1	7232.9	7130.2	6754.8	6113.3
42.5°	6879.4	6850.8	6813.7	6938.3	7130.2	7399.6	7470.3	7438.3	7354.2	7211.1	6803.6
45°	7421.5	7377.7	7403.0	7478.8	7589.9	7717.8	7744.8	7596.6	7557.9	7598.3	7374.4
47.5°	7834.0	7803.7	7866.0	7972.1	8063.0	8081.5	8063.0	7857.6	7854.2	7997.3	7770.0
50°	7972.1	7975.4	8147.2	8379.5	8526.0	8541.1	8515.9	8280.2	8248.2	8290.3	7983.9
52.5°	7985.5	7999.0	8249.9	8692.7	9091.7	9273.5	9253.3	8999.1	8685.9	8640.5	8307.1
55°	7660.6	7739.7	8089.9	8736.4	9585.0	10165.9	10233.2	9746.6	9281.9	9243.2	9002.5
57.5°	6123.4	6285.1	6707.6	7628.6	9034.4	10258.5	10433.6	10083.4	9633.8	9468.8	8815.6
60°	3660.2	3860.6	4266.4	5396.1	6876.0	8431.7	8733.1	8781.9	8574.8	8098.3	6763.2
62.5°	1570.8	1554.0	2054.0	2919.4	4089.6	5359.0	5495.4	5707.6	5887.7	5389.4	4104.7
65°	538.8	585.9	814.9	1316.6	2047.3	2488.4	2609.7	2799.9	3055.8	2522.1	1503.5
67.5°	333.4	353.6	469.7	777.8	1104.5	1087.6	1033.8	1003.5	976.5	668.4	412.5
70°	242.4	259.3	330.0	535.4	742.5	521.9	452.9	367.0	407.4	375.5	293.0
72.5°	163.3	176.8	227.3	324.9	380.5	254.2	235.7	267.7	323.3	308.1	239.1
75°	97.7	106.1	129.6	158.3	154.9	131.3	133.0	188.6	247.5	230.7	170.0
77.5°	67.3	70.7	85.9	102.7	75.8	40.4	37.0	52.2	84.2	84.2	57.2
80°	16.8	21.9	21.9	13.5	11.8	10.1	10.1	15.2	23.6	16.8	8.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4
85°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
87.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
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: P639706

CATALOG NUMBER: GWS-SA5C-735-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8
2.5°	2439.6	2419.4	2432.9	2429.5	2439.6	2443.0	2427.8	2424.5	2426.1	2405.9	2399.2
5°	2463.2	2439.6	2446.3	2439.6	2451.4	2461.5	2456.4	2463.2	2471.6	2456.4	2449.7
7.5°	2513.7	2490.1	2488.4	2478.3	2495.2	2501.9	2500.2	2518.7	2535.6	2525.5	2515.4
10°	2601.2	2569.2	2565.9	2557.5	2562.5	2567.6	2549.0	2552.4	2567.6	2555.8	2550.7
12.5°	2709.0	2670.3	2661.8	2641.6	2641.6	2616.4	2576.0	2567.6	2579.3	2570.9	2562.5
15°	2825.2	2773.0	2759.5	2724.1	2690.5	2643.3	2601.2	2591.1	2599.5	2589.4	2582.7
17.5°	2954.8	2895.9	2852.1	2789.8	2715.7	2660.2	2613.0	2591.1	2577.7	2557.5	2555.8
20°	3082.8	3005.3	2931.2	2831.9	2734.2	2650.1	2572.6	2515.4	2466.5	2436.2	2424.5
22.5°	3230.9	3116.4	2996.9	2857.1	2717.4	2589.4	2453.1	2355.4	2271.2	2242.6	2229.1
25°	3389.2	3241.0	3062.6	2880.7	2660.2	2454.8	2269.6	2124.8	2013.6	1976.6	1961.4
27.5°	3564.3	3360.6	3129.9	2875.7	2542.3	2262.8	2017.0	1836.9	1727.4	1693.7	1705.5
30°	3786.5	3515.5	3214.1	2823.5	2365.5	1993.4	1705.5	1554.0	1471.5	1439.5	1441.2
32.5°	4082.8	3737.7	3337.0	2712.4	2138.2	1687.0	1434.5	1323.3	1267.8	1225.7	1222.3
35°	4507.1	4076.1	3451.5	2533.9	1862.1	1414.3	1230.7	1143.2	1065.7	1016.9	1025.3
37.5°	5015.6	4502.1	3513.8	2293.1	1552.3	1202.1	1077.5	988.3	900.8	828.4	836.8
40°	5618.3	5059.4	3508.7	1976.6	1269.5	1057.3	949.6	845.2	735.8	670.1	676.8
42.5°	6290.1	5586.3	3399.3	1641.6	1052.3	939.5	826.7	695.3	589.3	548.9	550.6
45°	6872.6	6014.0	3207.3	1294.7	885.6	825.0	698.7	564.0	516.9	488.3	486.6
47.5°	7303.7	6327.1	2932.9	1018.6	750.9	720.6	574.1	505.1	468.1	444.5	441.1
50°	7544.4	6436.6	2629.9	798.0	634.7	611.2	513.5	458.0	432.7	417.5	414.2
52.5°	7867.7	6567.9	2412.7	629.7	532.0	500.0	473.1	426.0	409.1	397.3	392.3
55°	8379.5	6822.1	2224.1	500.0	442.8	436.1	446.2	407.4	397.3	378.8	372.1
57.5°	7898.0	6128.5	1727.4	387.2	373.8	399.0	431.0	388.9	363.7	346.8	340.1
60°	5557.7	4074.4	868.8	311.5	333.4	373.8	405.8	351.9	326.6	330.0	326.6
62.5°	3064.2	2038.9	390.6	261.0	289.6	330.0	346.8	304.7	287.9	316.5	321.6
65°	1001.8	693.7	225.6	202.0	229.0	269.4	299.7	289.6	286.2	319.9	330.0
67.5°	308.1	229.0	153.2	144.8	158.3	198.7	252.5	313.2	336.7	346.8	351.9
70°	230.7	180.2	131.3	122.9	129.6	151.5	213.8	261.0	245.8	247.5	244.1
72.5°	185.2	143.1	112.8	107.8	107.8	104.4	112.8	141.4	159.9	168.4	168.4
75°	129.6	101.0	85.9	79.1	62.3	50.5	45.5	45.5	40.4	38.7	37.0
77.5°	43.8	37.0	33.7	26.9	18.5	15.2	13.5	11.8	8.4	5.1	3.4
80°	6.7	5.1	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0
82.5°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
85°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	1.7	1.7	1.7	0.0	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)