

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: P633073

Luminaire Tested: GWS-SA2E-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9750.3 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

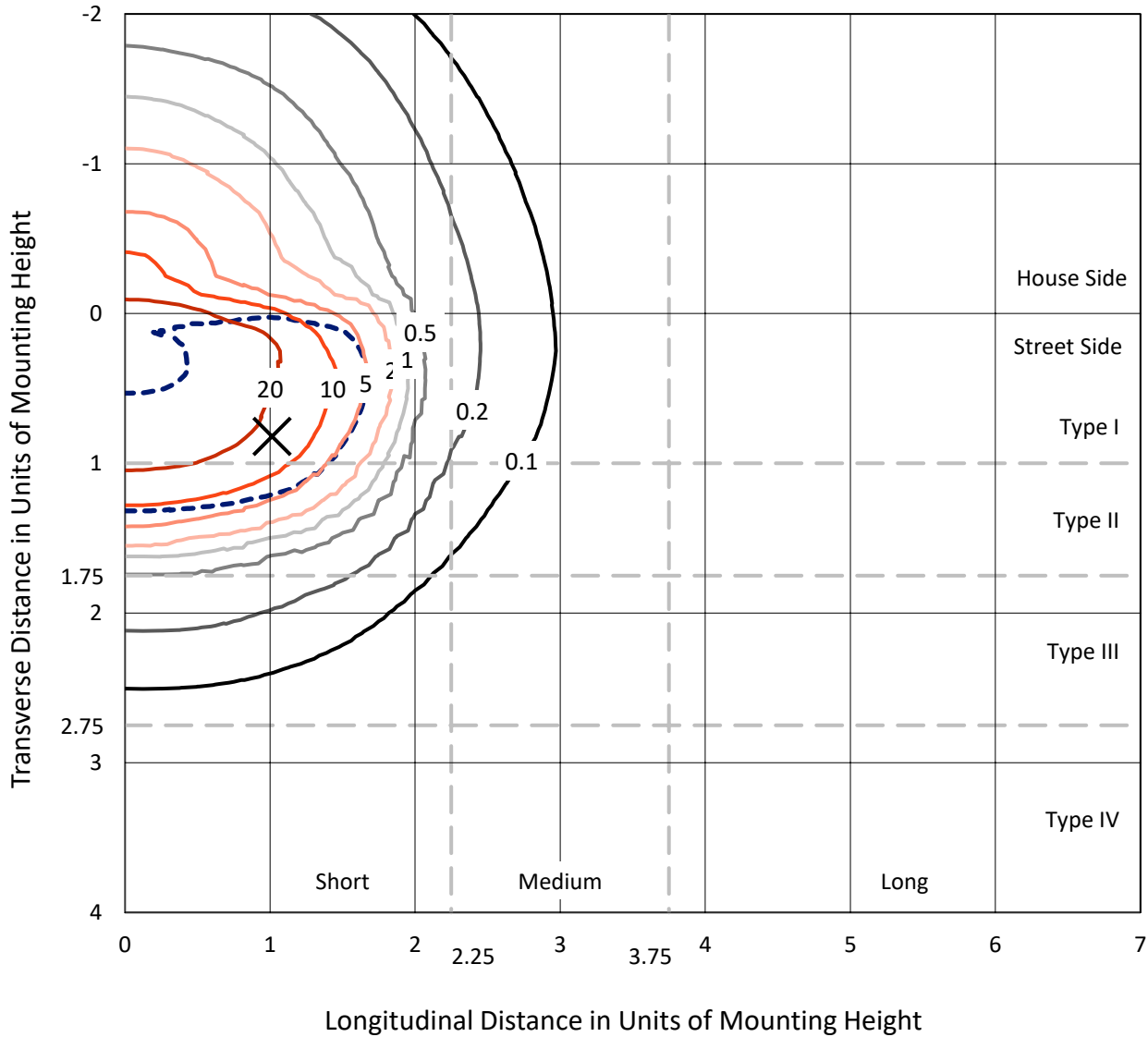
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633073
 CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

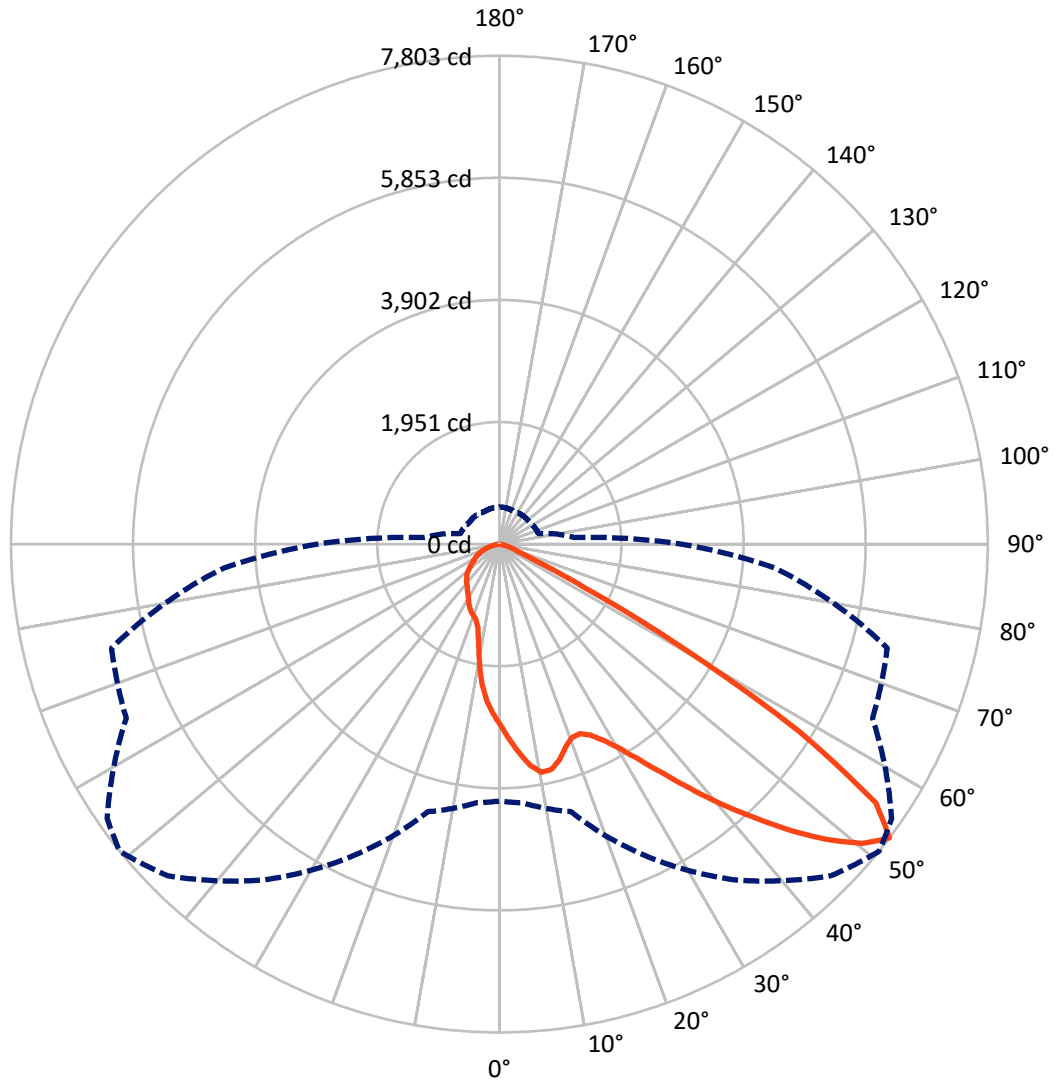
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.5 fc
 Type II - Short - N/A

REPORT NUMBER: P633073
CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P633073

CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1899.8	0.0	1899.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	7850.5	0.0	7850.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	9750.3	0.0	9750.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	2.8
10°-20°	703.9	7.2
20°-30°	1144.5	11.7
30°-40°	1813.8	18.6
40°-50°	2735.6	28.1
50°-60°	2366.5	24.3
60°-70°	536.5	5.5
70°-80°	158.2	1.6
80°-90°	20.4	0.2
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°	9750.3	100.0
0°-180°	9750.3	100.0

Coefficient of Utilization



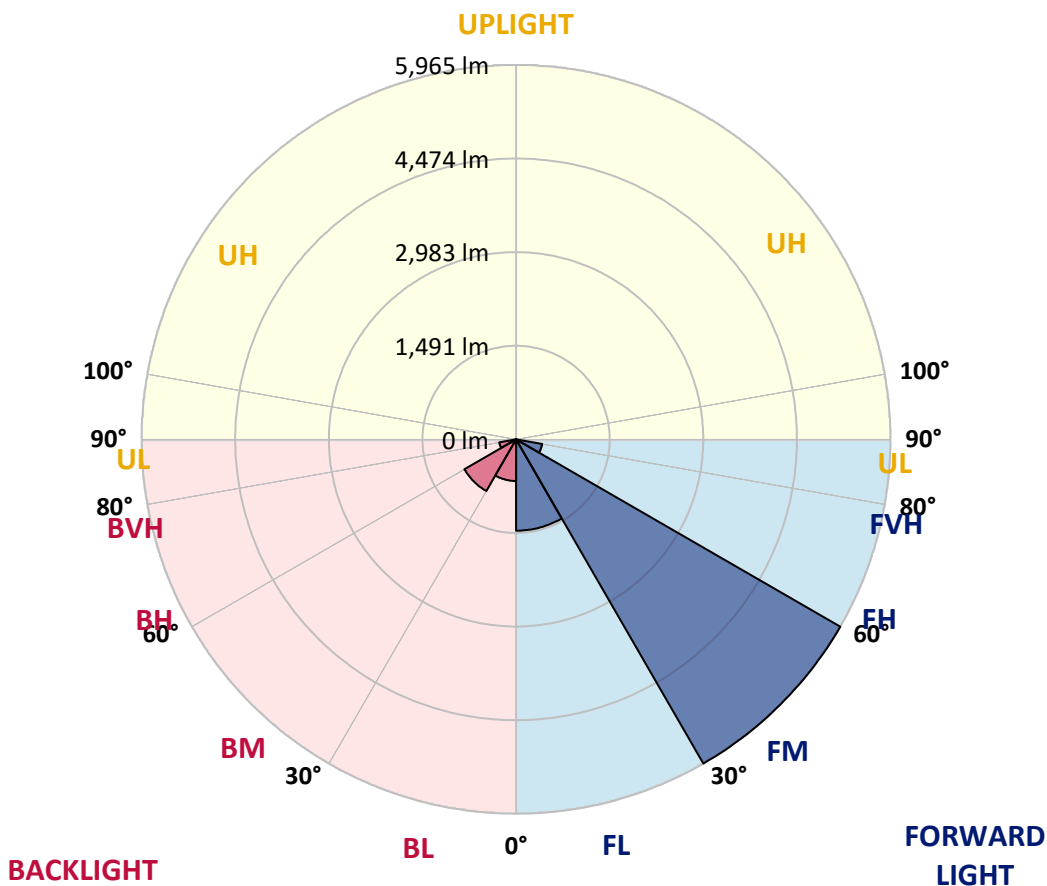
REPORT NUMBER: P633073

CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.3	14.9			
FM (30°-60°)	5965.4	61.2			
FH (60°-80°)	422.2	4.3			G0/660
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	664.1	6.8	B2/1000		
BM (30°-60°)	950.5	9.7	B1/1000		
BH (60°-80°)	272.5	2.8	B1/500		G1/500
BVH (80°-90°)	12.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P633073
 CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2
2.5°	3235.2	3253.7	3225.2	3214.4	3196.7	3165.9	3130.4	3120.4	3044.1	2994.1	2937.8
5°	3560.4	3570.4	3547.3	3524.2	3480.2	3425.5	3357.0	3342.3	3203.6	3088.8	2969.4
7.5°	3632.8	3628.9	3649.0	3662.1	3656.7	3635.1	3574.2	3545.7	3380.1	3198.2	3021.8
10°	3346.2	3324.6	3398.6	3486.4	3592.0	3713.7	3706.8	3704.4	3560.4	3345.4	3088.8
12.5°	2966.3	2955.5	3015.6	3125.8	3325.4	3595.0	3696.0	3774.6	3722.9	3485.6	3163.6
15°	2749.1	2745.2	2786.0	2865.4	3024.1	3364.7	3580.4	3736.0	3862.4	3635.9	3242.9
17.5°	2709.8	2712.1	2725.9	2771.4	2885.4	3165.9	3415.5	3632.8	3971.0	3800.8	3342.3
20°	2824.6	2840.0	2816.1	2823.0	2884.7	3094.2	3303.0	3528.8	4040.4	3966.4	3449.4
22.5°	3079.6	3074.2	3021.8	2991.0	2991.8	3138.1	3290.7	3480.2	4085.8	4127.4	3546.5
25°	3368.5	3362.4	3299.9	3231.4	3188.2	3257.6	3379.3	3531.9	4126.7	4274.6	3624.3
27.5°	3709.8	3690.6	3621.2	3533.4	3437.9	3467.9	3550.3	3671.3	4189.8	4419.4	3675.9
30°	4040.4	4062.7	3963.3	3859.3	3758.4	3739.9	3787.7	3897.1	4318.5	4589.0	3737.6
32.5°	4478.8	4471.1	4360.9	4225.3	4081.2	4067.3	4105.1	4205.3	4549.7	4823.2	3831.6
35°	5009.6	5011.2	4854.8	4671.4	4466.4	4429.5	4492.6	4589.7	4894.1	5140.6	3980.3
37.5°	5561.3	5559.0	5422.6	5214.6	4934.9	4882.5	4954.9	5027.4	5324.8	5572.8	4211.4
40°	5948.1	5963.5	5899.5	5790.1	5525.1	5397.2	5461.1	5511.2	5793.2	6081.4	4515.8
42.5°	6167.7	6190.8	6204.6	6270.1	6130.7	5994.3	5971.2	5997.4	6211.6	6553.7	4801.6
45°	6214.7	6245.5	6346.4	6589.1	6643.0	6604.5	6529.0	6465.8	6523.6	6888.8	4988.8
47.5°	6007.4	6061.3	6277.1	6701.6	7016.7	7137.7	7053.7	6957.4	6703.9	6975.1	4969.6
50°	5186.1	5249.2	5735.4	6472.0	7069.9	7510.6	7518.3	7375.8	6682.3	6726.2	4727.6
52.5°	4105.9	4149.0	4427.2	5486.6	6548.3	7495.2	7803.4	7650.8	6578.3	6415.0	4424.8
55°	2454.0	2523.3	2783.0	3619.7	5101.3	6643.0	7299.5	7373.4	6527.5	6153.8	4218.4
57.5°	828.3	862.2	1110.3	1598.7	3006.4	4864.0	5639.9	5940.4	5925.7	5754.7	3815.4
60°	394.5	402.2	452.3	606.4	1203.5	2541.8	3338.5	3685.2	4001.1	4032.7	2373.8
62.5°	300.5	305.1	330.5	363.7	483.9	1071.0	1530.2	1795.2	1917.7	1645.7	864.5
65°	251.2	255.0	274.3	295.1	329.0	463.8	587.1	677.2	610.2	475.4	412.2
67.5°	209.6	212.7	227.3	249.6	272.7	310.5	325.9	335.2	351.3	394.5	379.1
70°	164.1	167.2	182.6	201.9	224.2	233.5	248.1	257.3	289.7	345.2	343.6
72.5°	126.4	130.2	138.7	151.0	169.5	178.8	194.9	205.7	224.2	268.9	287.4
75°	92.5	94.8	102.5	106.3	108.6	106.3	122.5	134.8	159.5	176.4	181.1
77.5°	37.8	42.4	40.8	40.8	48.5	58.6	67.0	74.7	91.7	101.7	102.5
80°	15.4	17.0	20.0	22.3	27.0	34.7	40.1	43.1	50.9	57.0	61.6
82.5°	9.2	10.0	11.6	12.3	15.4	20.0	23.1	25.4	31.6	37.8	40.1
85°	4.6	4.6	5.4	6.2	7.7	9.2	10.8	12.3	16.2	20.0	22.3
87.5°	0.8	0.8	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.7
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: P633073

CATALOG NUMBER: GWS-SA2E-722-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2	2903.2
2.5°	2904.7	2863.1	2814.5	2776.0	2731.3	2698.2	2651.2	2621.9	2594.2	2571.1	2554.1
5°	2907.8	2837.7	2736.7	2647.4	2554.9	2467.1	2376.9	2303.7	2238.2	2183.5	2178.9
7.5°	2925.5	2824.6	2666.6	2510.2	2329.9	2155.8	1981.7	1839.9	1732.0	1675.8	1664.2
10°	2955.5	2823.0	2595.0	2345.3	2037.9	1757.5	1551.0	1443.1	1380.7	1358.3	1350.6
12.5°	2987.1	2819.2	2503.3	2112.6	1685.8	1440.0	1326.8	1313.7	1325.2	1326.8	1326.0
15°	3025.7	2816.9	2387.7	1839.9	1428.5	1292.9	1300.6	1328.3	1355.3	1361.4	1361.4
17.5°	3072.7	2811.5	2230.5	1573.3	1267.4	1264.3	1305.2	1342.2	1367.6	1372.2	1372.2
20°	3122.0	2797.6	2037.1	1356.0	1201.9	1246.6	1290.5	1319.1	1336.8	1342.9	1343.7
22.5°	3155.9	2760.6	1814.5	1195.0	1161.1	1212.7	1244.3	1273.6	1273.6	1258.2	1253.6
25°	3162.8	2681.3	1573.3	1084.8	1112.6	1160.3	1192.7	1175.7	1144.2	1131.8	1131.1
27.5°	3137.4	2565.7	1335.2	1006.2	1054.0	1101.8	1096.4	1071.7	1057.9	1045.5	1050.2
30°	3106.6	2427.0	1128.7	941.5	986.2	1033.2	1014.7	1006.2	996.2	982.4	985.4
32.5°	3085.8	2272.1	970.0	891.4	940.8	948.5	961.6	960.8	951.5	925.3	923.8
35°	3091.9	2115.7	863.7	850.6	903.0	899.9	924.6	919.9	856.0	819.8	817.5
37.5°	3141.2	1965.5	801.3	818.2	842.9	862.2	883.7	828.3	805.9	782.8	784.3
40°	3235.2	1826.0	767.4	800.5	806.7	835.2	785.1	784.3	774.3	753.5	752.8
42.5°	3341.6	1708.1	744.3	792.0	783.6	789.0	735.8	742.0	741.2	728.1	724.2
45°	3406.3	1599.5	725.8	760.5	762.8	708.8	692.7	699.6	703.4	696.5	695.7
47.5°	3339.2	1474.7	706.5	711.9	732.0	672.6	652.6	653.4	660.3	661.1	658.0
50°	3151.2	1335.2	683.4	670.3	657.2	634.9	616.4	612.5	619.5	626.4	628.7
52.5°	2908.5	1201.9	644.9	624.9	594.0	594.0	585.6	573.2	582.5	591.7	594.8
55°	2730.6	1103.3	590.2	567.8	533.9	545.5	544.0	533.2	545.5	552.4	554.7
57.5°	2366.1	886.8	519.3	512.4	483.9	497.7	500.8	486.9	480.8	482.3	484.6
60°	1404.6	572.5	468.4	467.7	442.3	458.4	467.7	453.8	435.3	437.6	440.7
62.5°	630.2	437.6	404.5	401.4	400.6	421.4	431.5	418.4	392.2	394.5	397.6
65°	396.8	378.3	351.3	351.3	363.7	381.4	389.1	378.3	348.3	344.4	347.5
67.5°	368.3	352.1	324.4	319.0	325.1	339.8	340.6	319.7	302.0	298.9	298.9
70°	330.5	318.2	291.2	280.5	278.1	277.4	275.1	269.7	258.1	255.0	256.6
72.5°	273.5	265.0	248.1	236.5	230.4	229.6	220.4	215.7	205.7	204.2	203.4
75°	181.1	183.4	183.4	181.8	176.4	174.1	164.1	159.5	147.9	143.3	142.5
77.5°	107.1	109.4	112.5	113.3	112.5	112.5	103.2	97.9	86.3	80.1	78.6
80°	65.5	67.0	68.6	70.9	67.8	65.5	57.0	51.6	46.2	42.4	41.6
82.5°	42.4	43.9	44.7	46.2	44.7	41.6	34.7	31.6	27.7	24.7	23.9
85°	23.9	24.7	26.2	26.2	23.9	21.6	17.7	15.4	13.1	11.6	11.6
87.5°	8.5	8.5	8.5	9.2	7.7	6.9	4.6	3.1	2.3	2.3	2.3
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)