

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: P632358

Luminaire Tested: GWS-SA2C-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632358
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-SA2C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8588.8 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

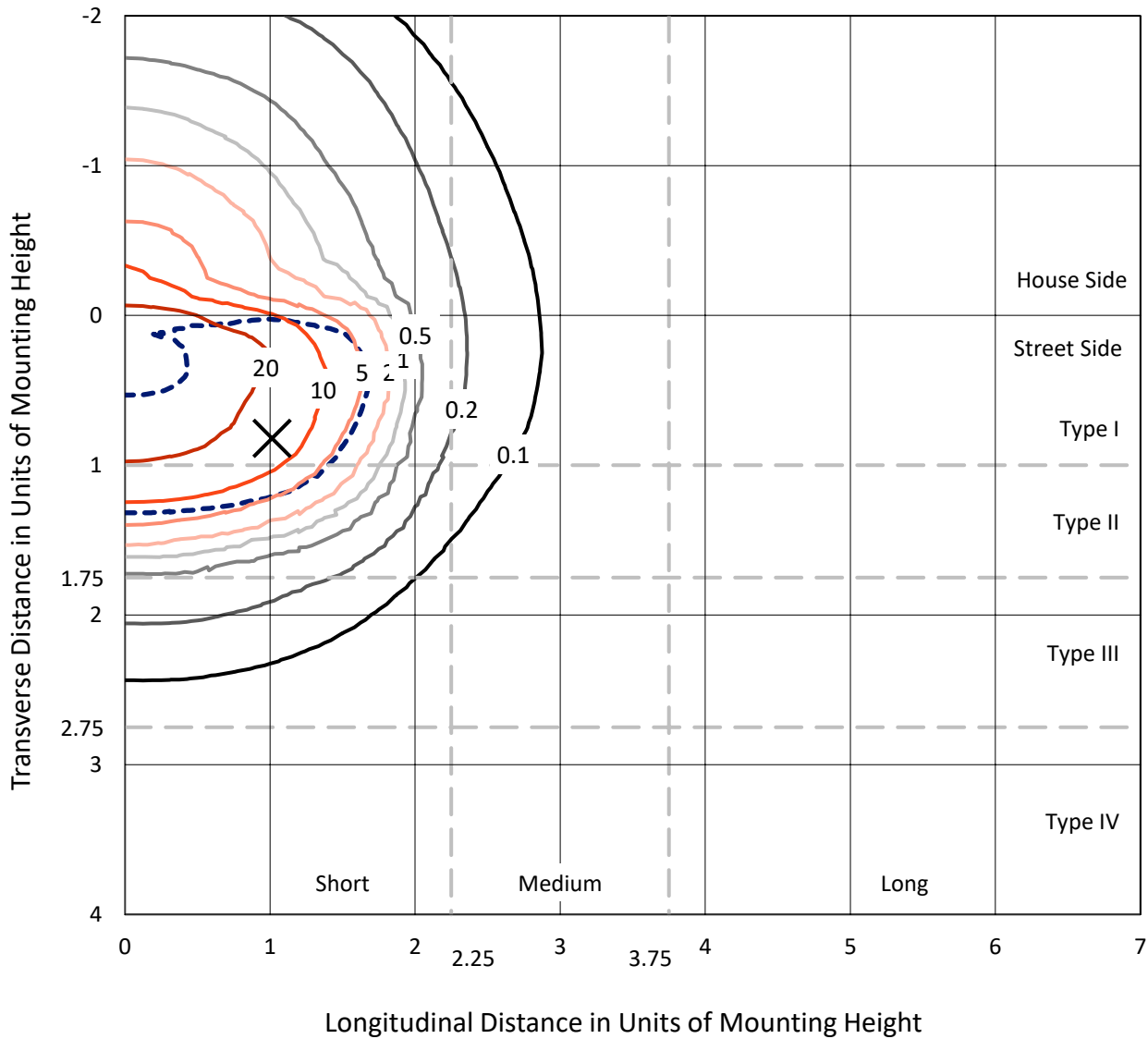
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

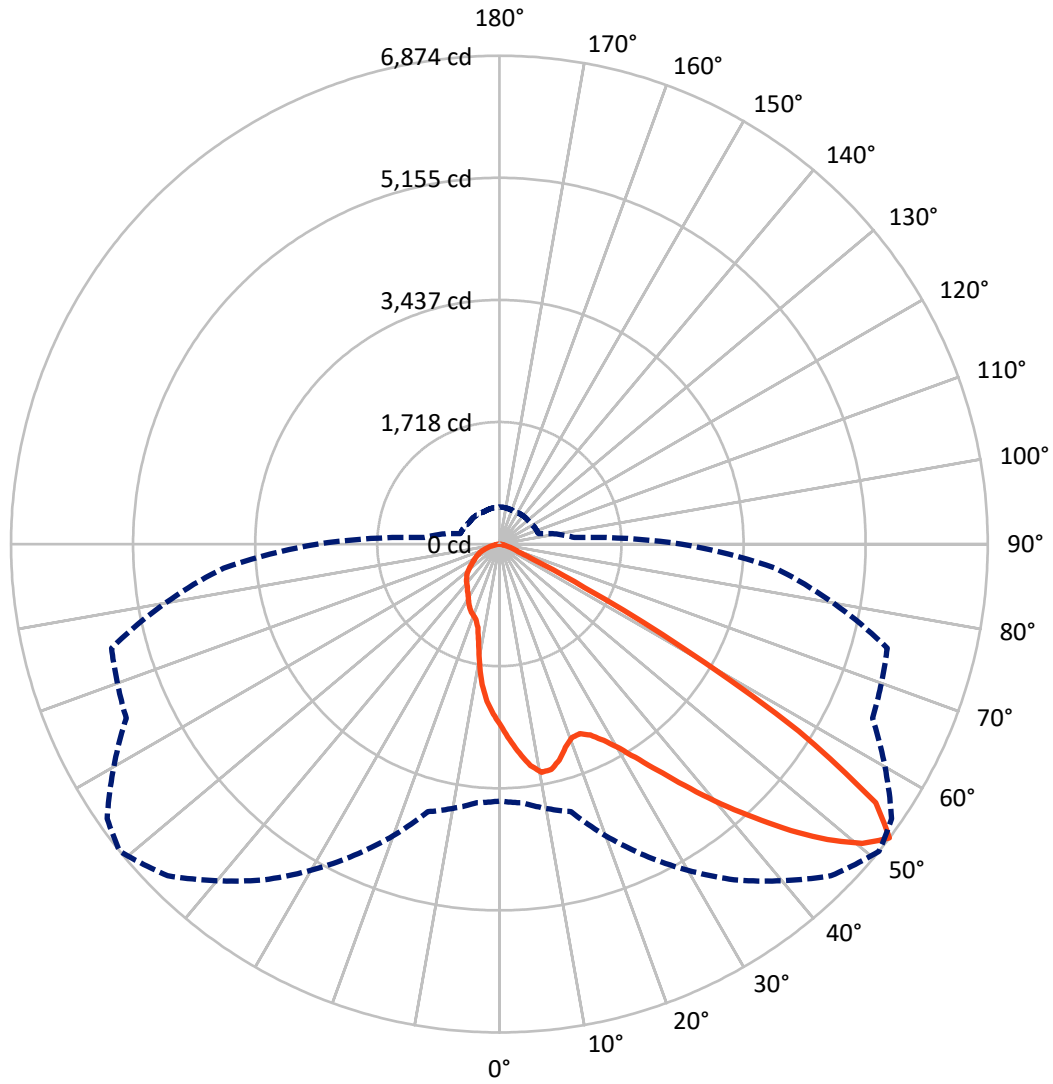
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 31.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1673.5	0.0	1673.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6915.4	0.0	6915.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	8588.8	0.0	8588.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	2.8
10°-20°	620.1	7.2
20°-30°	1008.2	11.7
30°-40°	1597.7	18.6
40°-50°	2409.7	28.1
50°-60°	2084.6	24.3
60°-70°	472.6	5.5
70°-80°	139.4	1.6
80°-90°	17.9	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°	8588.8	100.0
0°-180°	8588.8	100.0

Coefficient of Utilization



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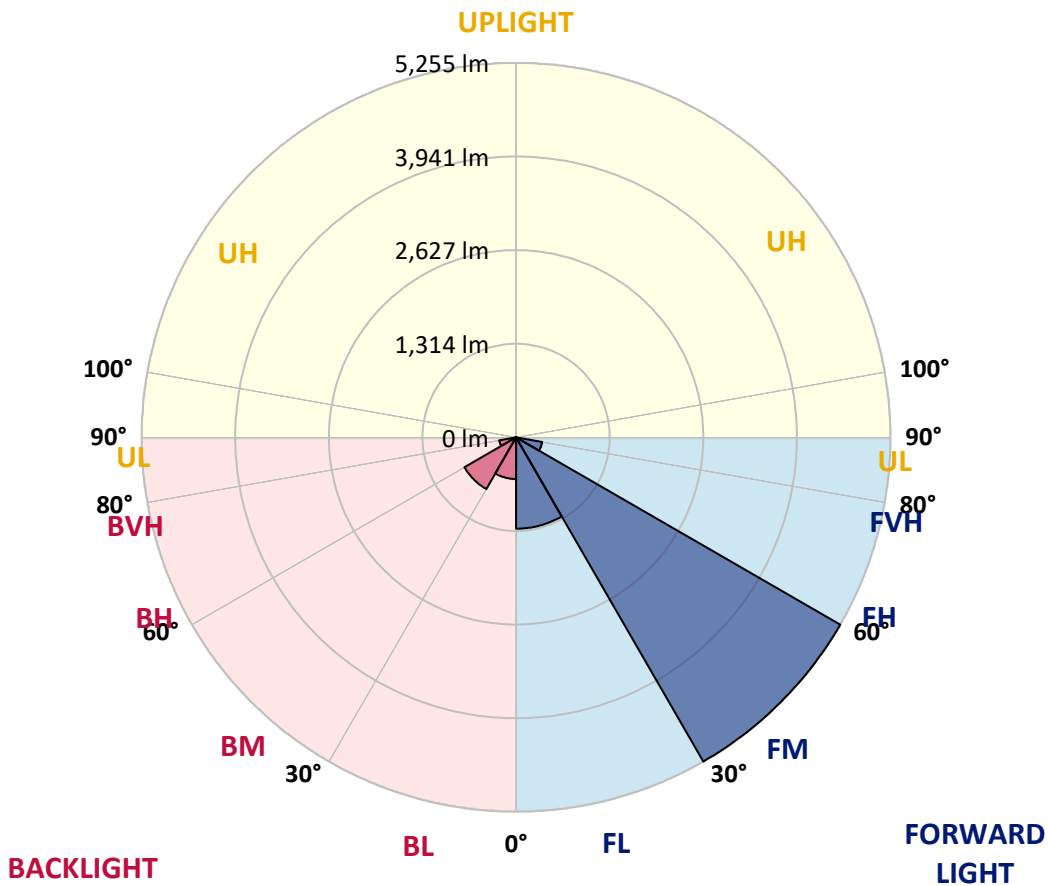
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1281.9	14.9			
FM (30°-60°)	5254.8	61.2			
FH (60°-80°)	371.9	4.3			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	585.0	6.8	B2/1000		
BM (30°-60°)	837.3	9.7	B1/1000		
BH (60°-80°)	240.0	2.8	B1/500		G1/500
BVH (80°-90°)	11.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3
2.5°	2849.8	2866.1	2841.0	2831.5	2815.9	2788.7	2757.5	2748.7	2681.5	2637.4	2587.9
5°	3136.2	3145.1	3124.7	3104.3	3065.7	3017.5	2957.1	2944.2	2822.0	2720.9	2615.7
7.5°	3200.0	3196.6	3214.3	3225.8	3221.1	3202.1	3148.5	3123.3	2977.4	2817.3	2661.8
10°	2947.6	2928.6	2993.7	3071.1	3164.1	3271.3	3265.2	3263.2	3136.2	2946.9	2720.9
12.5°	2613.0	2603.5	2656.4	2753.5	2929.2	3166.8	3255.7	3324.9	3279.4	3070.4	2786.7
15°	2421.6	2418.2	2454.2	2524.1	2663.9	2963.9	3153.9	3291.0	3402.3	3202.8	2856.6
17.5°	2387.0	2389.0	2401.2	2441.3	2541.7	2788.7	3008.6	3200.0	3498.0	3348.0	2944.2
20°	2488.1	2501.7	2480.6	2486.7	2541.0	2725.6	2909.6	3108.4	3559.1	3493.9	3038.5
22.5°	2712.7	2708.0	2661.8	2634.7	2635.4	2764.3	2898.7	3065.7	3599.1	3635.8	3124.0
25°	2967.2	2961.8	2906.8	2846.4	2808.4	2869.5	2976.7	3111.1	3635.1	3765.4	3192.6
27.5°	3267.9	3250.9	3189.9	3112.5	3028.3	3054.8	3127.4	3234.0	3690.7	3893.0	3238.0
30°	3559.1	3578.7	3491.2	3399.6	3310.7	3294.4	3336.5	3432.8	3804.1	4042.3	3292.3
32.5°	3945.2	3938.5	3841.4	3722.0	3595.0	3582.8	3616.1	3704.3	4007.7	4248.6	3375.1
35°	4412.9	4414.2	4276.4	4114.9	3934.4	3901.8	3957.5	4043.0	4311.1	4528.2	3506.1
37.5°	4898.8	4896.8	4776.6	4593.4	4347.0	4300.9	4364.7	4428.5	4690.4	4909.0	3709.7
40°	5239.5	5253.1	5196.8	5100.4	4866.9	4754.2	4810.6	4854.7	5103.1	5356.9	3977.8
42.5°	5432.9	5453.3	5465.5	5523.2	5400.4	5280.2	5259.9	5282.9	5471.6	5773.0	4229.6
45°	5474.3	5501.5	5590.4	5804.2	5851.7	5817.8	5751.2	5695.6	5746.5	6068.2	4394.5
47.5°	5291.8	5339.3	5529.3	5903.3	6180.9	6287.4	6213.4	6128.6	5905.3	6144.2	4377.6
50°	4568.3	4623.9	5052.2	5701.0	6227.7	6615.9	6622.7	6497.1	5886.3	5925.0	4164.5
52.5°	3616.8	3654.8	3899.8	4833.0	5768.2	6602.3	6873.8	6739.4	5794.7	5650.8	3897.7
55°	2161.6	2222.7	2451.4	3188.5	4493.6	5851.7	6429.9	6495.1	5749.9	5420.7	3715.8
57.5°	729.6	759.5	978.0	1408.3	2648.3	4284.6	4968.0	5232.7	5219.8	5069.2	3360.9
60°	347.5	354.3	398.4	534.1	1060.1	2239.0	2940.8	3246.2	3524.5	3552.3	2091.1
62.5°	264.7	268.8	291.2	320.3	426.2	943.4	1347.9	1581.4	1689.3	1449.7	761.5
65°	221.3	224.6	241.6	259.9	289.8	408.6	517.2	596.6	537.5	418.8	363.1
67.5°	184.6	187.3	200.2	219.9	240.3	273.5	287.1	295.2	309.5	347.5	333.9
70°	144.6	147.3	160.9	177.8	197.5	205.6	218.5	226.7	255.2	304.1	302.7
72.5°	111.3	114.7	122.2	133.0	149.3	157.5	171.7	181.2	197.5	236.9	253.2
75°	81.4	83.5	90.3	93.7	95.7	93.7	107.9	118.8	140.5	155.4	159.5
77.5°	33.3	37.3	36.0	36.0	42.8	51.6	59.0	65.8	80.8	89.6	90.3
80°	13.6	14.9	17.6	19.7	23.8	30.5	35.3	38.0	44.8	50.2	54.3
82.5°	8.1	8.8	10.2	10.9	13.6	17.6	20.4	22.4	27.8	33.3	35.3
85°	4.1	4.1	4.8	5.4	6.8	8.1	9.5	10.9	14.3	17.6	19.7
87.5°	0.7	0.7	0.7	1.4	2.0	2.7	3.4	4.1	4.8	5.4	6.8
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°	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3	2557.3
2.5°	2558.7	2522.0	2479.3	2445.3	2406.0	2376.8	2335.4	2309.6	2285.2	2264.8	2249.9
5°	2561.4	2499.6	2410.7	2332.0	2250.5	2173.2	2093.8	2029.3	1971.6	1923.4	1919.3
7.5°	2577.0	2488.1	2349.0	2211.2	2052.4	1899.0	1745.6	1620.7	1525.7	1476.2	1466.0
10°	2603.5	2486.7	2285.8	2065.9	1795.1	1548.1	1366.2	1271.2	1216.2	1196.5	1189.7
12.5°	2631.3	2483.3	2205.1	1861.0	1485.0	1268.5	1168.7	1157.2	1167.4	1168.7	1168.0
15°	2665.2	2481.3	2103.3	1620.7	1258.3	1138.8	1145.6	1170.1	1193.8	1199.3	1199.3
17.5°	2706.6	2476.5	1964.8	1385.9	1116.4	1113.7	1149.7	1182.3	1204.7	1208.8	1208.8
20°	2750.1	2464.3	1794.5	1194.5	1058.8	1098.1	1136.8	1161.9	1177.5	1183.0	1183.6
22.5°	2779.9	2431.8	1598.3	1052.7	1022.8	1068.3	1096.1	1121.9	1121.9	1108.3	1104.2
25°	2786.0	2361.9	1385.9	955.6	980.0	1022.1	1050.6	1035.7	1007.9	997.0	996.3
27.5°	2763.6	2260.0	1176.2	886.4	928.5	970.5	965.8	944.1	931.8	921.0	925.1
30°	2736.5	2137.9	994.3	829.4	868.7	910.1	893.8	886.4	877.5	865.3	868.0
32.5°	2718.2	2001.5	854.5	785.2	828.7	835.5	847.0	846.3	838.2	815.1	813.8
35°	2723.6	1863.7	760.8	749.3	795.4	792.7	814.4	810.4	754.0	722.1	720.1
37.5°	2767.0	1731.3	705.8	720.8	742.5	759.5	778.5	729.6	709.9	689.6	690.9
40°	2849.8	1608.5	676.0	705.2	710.6	735.7	691.6	690.9	682.1	663.8	663.1
42.5°	2943.5	1504.7	655.6	697.7	690.2	695.0	648.2	653.6	652.9	641.4	638.0
45°	3000.5	1409.0	639.3	669.9	671.9	624.4	610.1	616.3	619.6	613.5	612.9
47.5°	2941.5	1299.0	622.4	627.1	644.8	592.5	574.9	575.5	581.6	582.3	579.6
50°	2775.9	1176.2	602.0	590.5	578.9	559.2	543.0	539.6	545.7	551.8	553.8
52.5°	2562.1	1058.8	568.1	550.4	523.3	523.3	515.8	504.9	513.1	521.2	524.0
55°	2405.3	971.9	519.9	500.2	470.3	480.5	479.2	469.7	480.5	486.6	488.7
57.5°	2084.3	781.2	457.4	451.3	426.2	438.4	441.2	428.9	423.5	424.9	426.9
60°	1237.3	504.3	412.6	412.0	389.6	403.8	412.0	399.8	383.5	385.5	388.2
62.5°	555.2	385.5	356.3	353.6	352.9	371.2	380.1	368.5	345.5	347.5	350.2
65°	349.5	333.2	309.5	309.5	320.3	336.0	342.7	333.2	306.8	303.4	306.1
67.5°	324.4	310.2	285.7	281.0	286.4	299.3	300.0	281.7	266.0	263.3	263.3
70°	291.2	280.3	256.5	247.0	245.0	244.3	242.3	237.5	227.4	224.6	226.0
72.5°	240.9	233.5	218.5	208.4	202.9	202.3	194.1	190.0	181.2	179.9	179.2
75°	159.5	161.5	161.5	160.2	155.4	153.4	144.6	140.5	130.3	126.2	125.6
77.5°	94.3	96.4	99.1	99.8	99.1	99.1	90.9	86.2	76.0	70.6	69.2
80°	57.7	59.0	60.4	62.4	59.7	57.7	50.2	45.5	40.7	37.3	36.6
82.5°	37.3	38.7	39.4	40.7	39.4	36.6	30.5	27.8	24.4	21.7	21.0
85°	21.0	21.7	23.1	23.1	21.0	19.0	15.6	13.6	11.5	10.2	10.2
87.5°	7.5	7.5	7.5	8.1	6.8	6.1	4.1	2.7	2.0	2.0	2.0
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)