

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: P643258

Luminaire Tested: GWS-SA6E-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26782.6 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

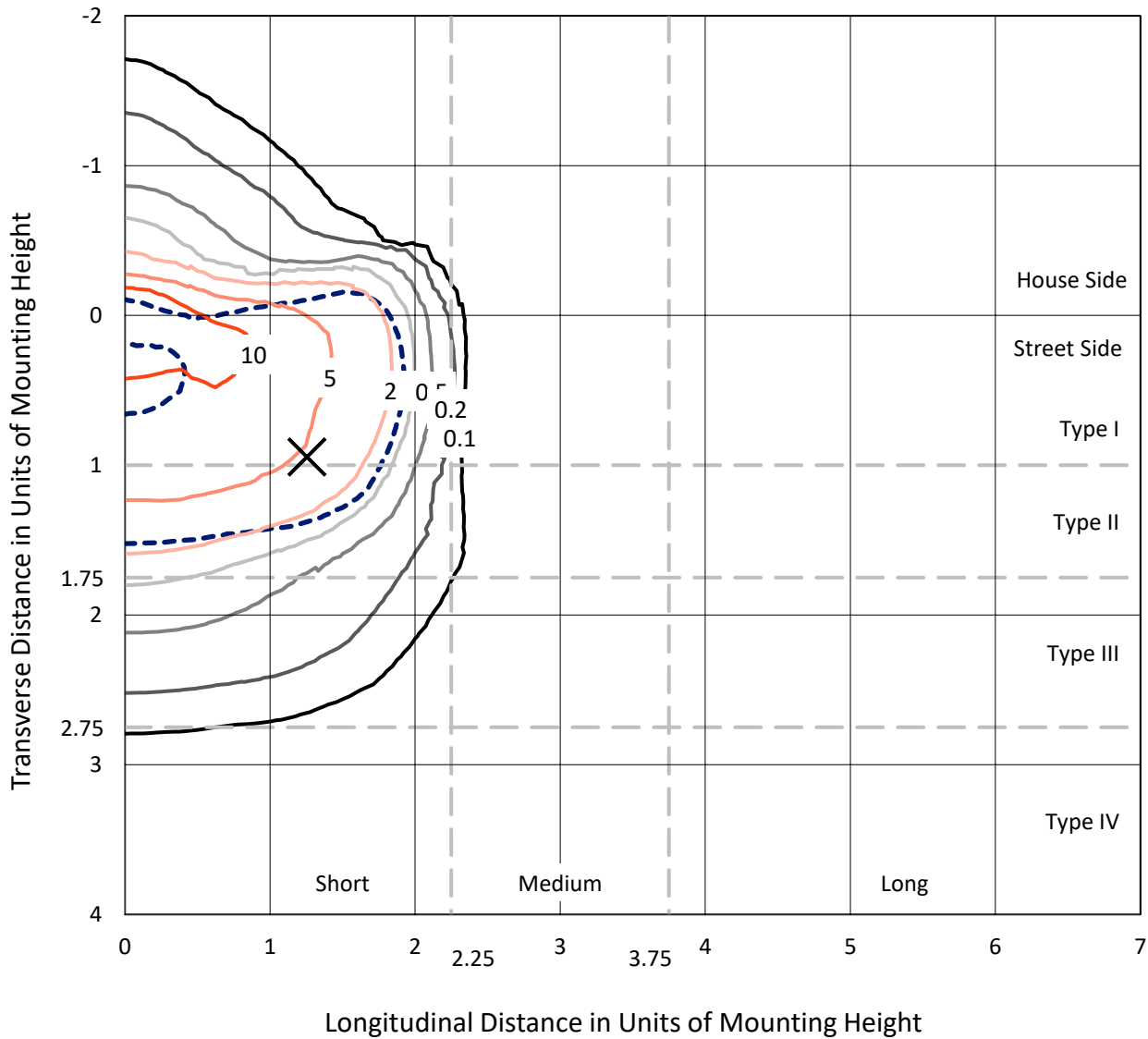
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

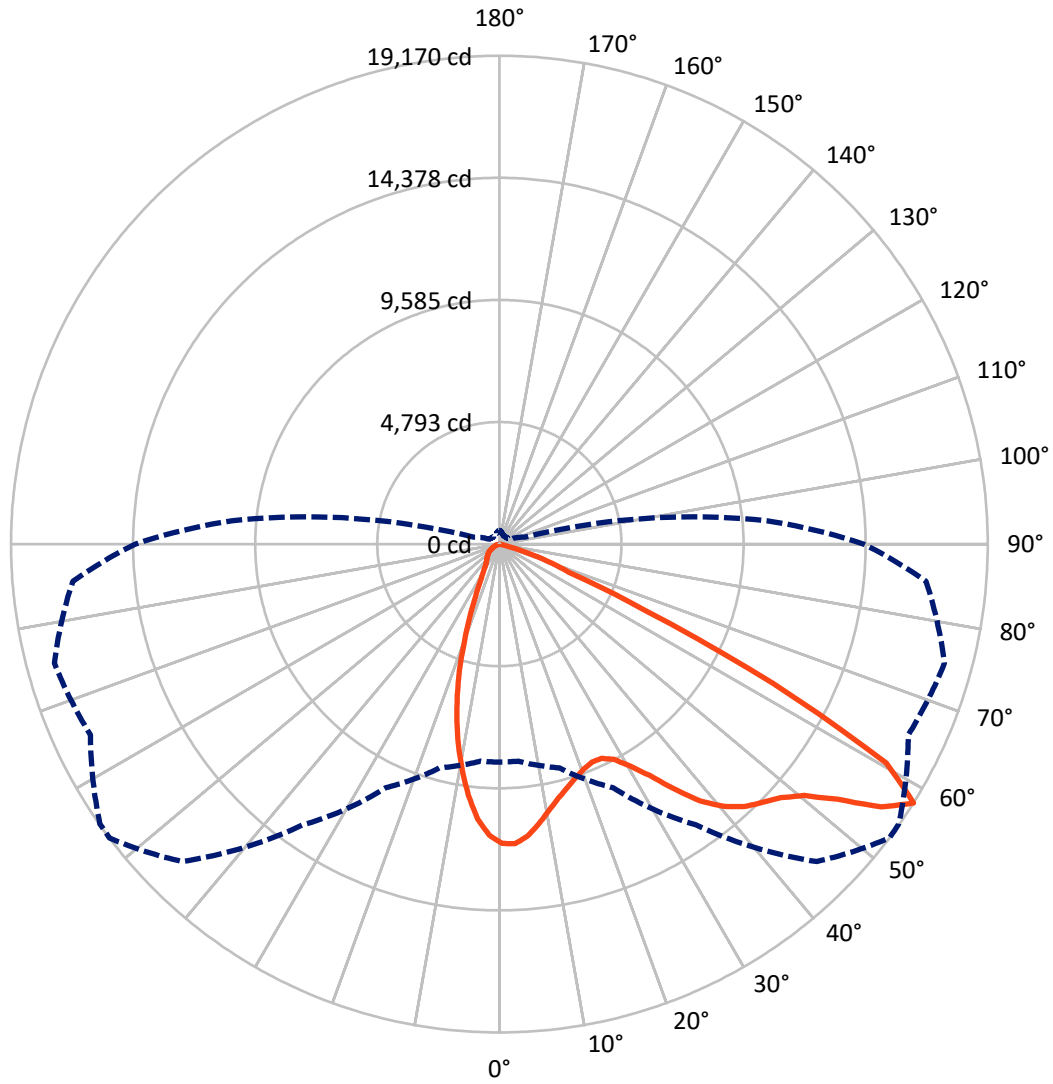
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4424.1	0.0	4424.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	22358.5	0.0	22358.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	26782.6	0.0	26782.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.2	3.8
10°-20°	2206.7	8.2
20°-30°	2874.8	10.7
30°-40°	4169.9	15.6
40°-50°	6016.9	22.5
50°-60°	7276.9	27.2
60°-70°	2965.8	11.1
70°-80°	266.5	1.0
80°-90°	0.0	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°	26782.6	100.0
0°-180°	26782.6	100.0

Coefficient of Utilization



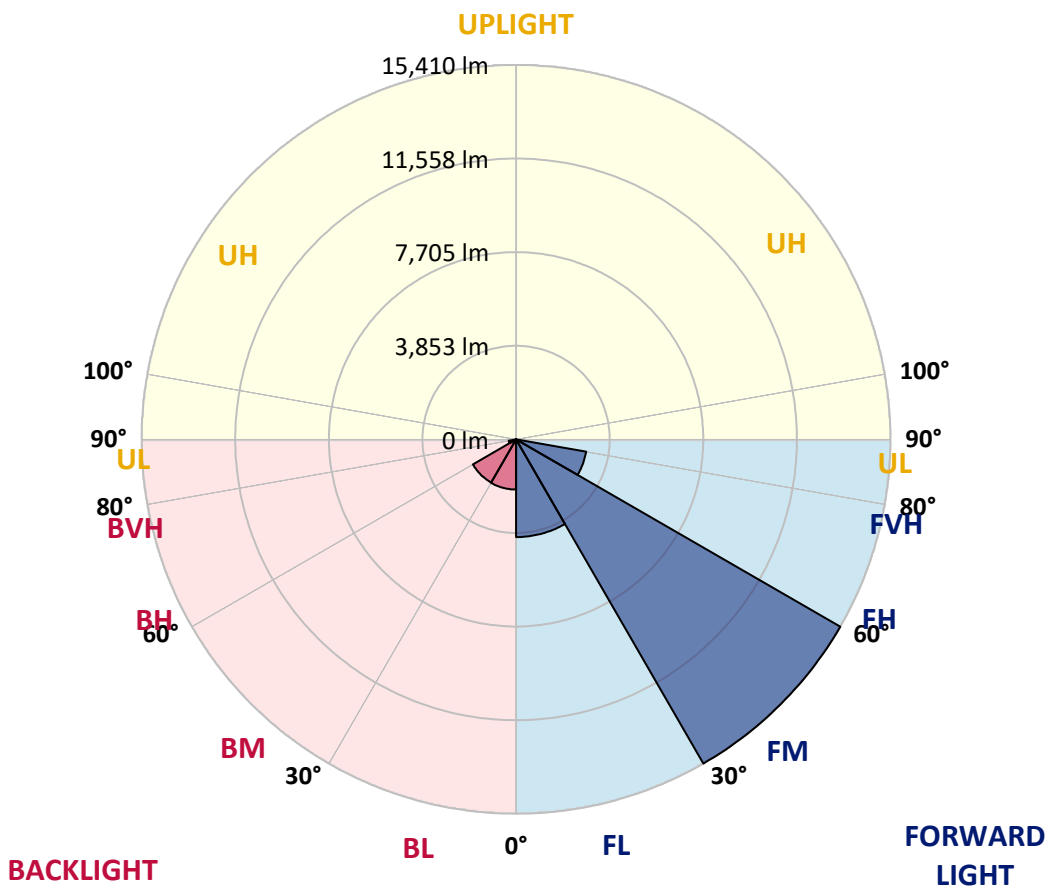
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4021.9	15.0			
FM (30°-60°)	15410.2	57.5			
FH (60°-80°)	2926.4	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2064.8	7.7	B3/2500		
BM (30°-60°)	2053.5	7.7	B2/2500		
BH (60°-80°)	305.8	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4
2.5°	11584.2	11610.5	11656.5	11715.5	11754.9	11774.6	11774.6	11830.4	11794.3	11764.8	11732.0
5°	11088.6	11114.8	11177.2	11272.4	11367.6	11436.5	11515.3	11574.4	11597.4	11597.4	11541.6
7.5°	10389.4	10425.5	10464.9	10596.2	10803.0	10957.3	11091.9	11177.2	11301.9	11341.3	11262.6
10°	9637.7	9673.8	9762.4	9943.0	10179.3	10409.1	10638.9	10747.2	10960.6	11072.2	10983.5
12.5°	9000.9	9017.3	9135.4	9352.1	9654.1	9969.2	10248.2	10359.8	10661.8	10829.3	10724.2
15°	8475.6	8485.5	8603.7	8843.3	9191.2	9578.6	9929.8	10044.7	10415.6	10668.4	10510.8
17.5°	8078.4	8081.7	8183.5	8442.8	8807.2	9237.2	9654.1	9795.2	10274.5	10579.8	10343.4
20°	7878.2	7868.4	7940.6	8167.1	8511.7	8941.8	9434.2	9608.1	10195.7	10566.6	10215.4
22.5°	7881.5	7858.5	7888.1	8048.9	8341.1	8744.8	9296.3	9493.2	10202.3	10622.4	10107.1
25°	8068.6	8035.8	8042.3	8127.7	8334.5	8702.1	9316.0	9526.1	10333.6	10809.6	10067.7
27.5°	8383.7	8347.6	8347.6	8390.3	8501.9	8836.7	9562.2	9801.8	10684.8	11173.9	10149.8
30°	8790.8	8754.7	8741.5	8784.2	8876.1	9184.7	10110.4	10359.8	11285.5	11771.4	10412.4
32.5°	9256.9	9214.2	9237.2	9296.3	9384.9	9811.6	10816.1	11147.7	12037.2	12575.6	10885.1
35°	9749.3	9713.2	9818.2	9946.2	10084.1	10681.5	11791.0	12079.9	12959.6	13576.8	11607.2
37.5°	10218.7	10202.3	10422.2	10691.4	10977.0	11725.4	12782.4	13005.6	13750.8	14666.6	12490.2
40°	10688.1	10684.8	11062.3	11535.0	11991.3	12766.0	13534.1	13717.9	14233.3	15513.5	13337.1
42.5°	11213.3	11213.3	11735.2	12365.5	12972.8	13645.7	14085.6	14167.6	14449.9	16002.6	13974.0
45°	11715.5	11745.1	12349.1	13081.1	13800.0	14331.8	14466.4	14472.9	14538.6	16291.5	14502.5
47.5°	12112.7	12139.0	12861.2	13704.8	14479.5	14853.7	14873.4	14843.9	14771.6	16567.2	14909.5
50°	12434.4	12473.8	13228.8	14121.7	14945.6	15355.9	15506.9	15477.4	15293.6	16862.6	15195.1
52.5°	12592.0	12647.8	13356.8	14328.5	15464.3	16216.0	16636.1	16705.1	16074.8	17026.8	15467.5
55°	11331.5	11413.6	12066.8	13396.2	15753.1	17545.4	18205.2	18192.1	16921.7	17515.9	16130.6
57.5°	8557.7	8551.1	9092.8	10546.9	13455.3	17620.9	19170.3	19144.0	17712.8	18083.8	16810.1
60°	5826.6	5787.2	5931.6	6634.1	9407.9	14354.7	17446.9	17801.5	17151.5	16705.1	14272.7
62.5°	4795.9	4759.7	4713.8	4520.1	5403.1	8941.8	12053.7	12592.0	12506.7	11610.5	8951.6
65°	3926.0	3955.5	4083.5	4001.5	3758.6	4585.8	6256.6	6575.0	6010.4	5058.5	3128.3
67.5°	2895.2	2908.4	3075.8	3509.1	3377.8	3052.8	2944.5	2997.0	1756.2	807.5	521.9
70°	1710.2	1720.1	1874.4	2455.4	2741.0	2343.8	1989.2	1959.7	695.9	216.7	236.3
72.5°	968.4	948.7	978.2	1168.6	1493.6	1244.1	1024.2	932.3	210.1	121.5	121.5
75°	459.6	446.4	384.1	361.1	328.3	210.1	131.3	111.6	52.5	49.2	49.2
77.5°	3.3	9.8	6.6	9.8	9.8	6.6	3.3	3.3	9.8	9.8	13.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4	11748.4
2.5°	11672.9	11574.4	11551.4	11544.9	11452.9	11354.5	11252.7	11213.3	11154.2	11118.1	11147.7
5°	11452.9	11311.8	11187.1	11072.2	10868.6	10645.4	10451.8	10327.0	10208.8	10130.1	10149.8
7.5°	11141.1	10957.3	10671.7	10379.5	10005.3	9670.5	9296.3	9066.5	8853.1	8735.0	8790.8
10°	10809.6	10566.6	10110.4	9614.7	9027.1	8501.9	7966.8	7530.3	7277.5	7037.9	7064.1
12.5°	10484.6	10162.9	9480.1	8728.4	7986.5	7211.8	6404.3	5800.3	5386.7	5088.0	5042.1
15°	10182.6	9769.0	8866.3	7874.9	6863.9	5833.2	4802.4	3939.1	3459.8	3164.4	3144.7
17.5°	9913.4	9401.3	8229.4	6982.1	5715.0	4395.4	3210.4	2563.7	2288.0	2159.9	2146.8
20°	9654.1	9030.4	7579.5	6076.1	4461.0	3085.6	2215.7	1917.0	1828.4	1775.9	1782.4
22.5°	9404.6	8626.6	6896.7	5071.6	3345.0	2166.5	1716.8	1601.9	1592.1	1598.6	1601.9
25°	9194.5	8255.7	6194.2	4103.2	2386.4	1651.1	1434.5	1401.7	1431.2	1473.9	1480.4
27.5°	9086.2	7953.7	5508.2	3128.3	1726.6	1342.6	1244.1	1257.2	1309.8	1355.7	1362.3
30°	9115.7	7727.2	4799.1	2268.3	1329.4	1132.5	1099.7	1125.9	1178.4	1221.1	1227.7
32.5°	9325.8	7612.3	4073.7	1651.1	1093.1	988.1	974.9	994.6	1040.6	1073.4	1076.7
35°	9742.7	7638.6	3384.3	1263.8	938.8	879.7	876.5	889.6	912.6	935.5	938.8
37.5°	10356.6	7851.9	2704.9	1050.4	850.2	807.5	794.4	794.4	810.8	820.6	827.2
40°	11016.4	8173.6	2166.5	929.0	787.8	741.9	715.6	705.8	718.9	732.0	735.3
42.5°	11561.3	8495.3	1759.5	843.6	738.6	676.2	643.4	636.8	653.2	676.2	682.8
45°	11978.2	8744.8	1467.3	774.7	682.8	613.8	577.7	577.7	607.3	646.7	653.2
47.5°	12358.9	8945.0	1250.7	712.3	630.3	558.0	521.9	528.5	577.7	630.3	640.1
50°	12618.3	9105.9	1089.8	656.5	587.6	512.1	479.3	492.4	551.5	613.8	623.7
52.5°	12897.3	9302.8	984.8	607.3	548.2	476.0	446.4	456.3	521.9	590.9	604.0
55°	13668.7	9962.6	981.5	541.6	479.3	426.7	413.6	416.9	482.5	561.3	577.7
57.5°	14298.9	10543.7	1047.1	456.3	400.5	374.2	367.6	370.9	430.0	518.6	538.3
60°	11830.4	8193.3	866.6	377.5	334.8	328.3	318.4	325.0	380.8	459.6	476.0
62.5°	7001.8	4684.3	413.6	288.9	285.6	279.0	269.2	282.3	334.8	403.8	413.6
65°	2393.0	1388.5	262.6	236.3	242.9	233.1	223.2	236.3	282.3	321.7	325.0
67.5°	459.6	367.6	210.1	197.0	200.2	180.5	177.3	190.4	216.7	223.2	219.9
70°	239.6	213.4	160.8	160.8	154.3	128.0	128.0	141.2	141.2	131.3	128.0
72.5°	124.7	118.2	105.0	118.2	98.5	78.8	78.8	85.3	78.8	65.7	65.7
75°	49.2	49.2	46.0	59.1	42.7	36.1	32.8	39.4	29.5	23.0	23.0
77.5°	13.1	13.1	13.1	16.4	9.8	9.8	6.6	6.6	3.3	0.0	0.0
80°	0.0	3.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)