

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: P640504

Luminaire Tested: GWS-SA5E-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16237.1 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

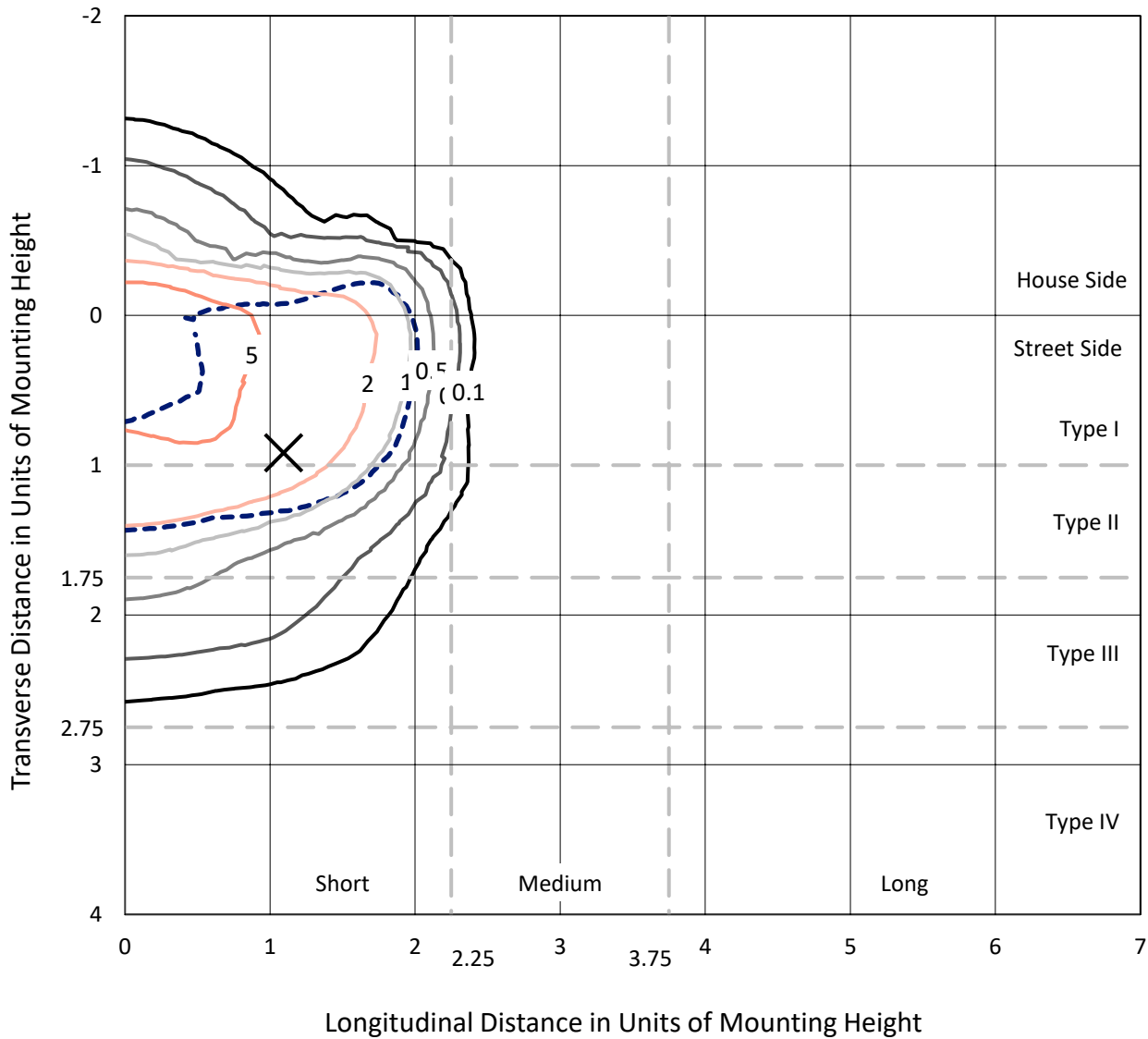
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640504
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

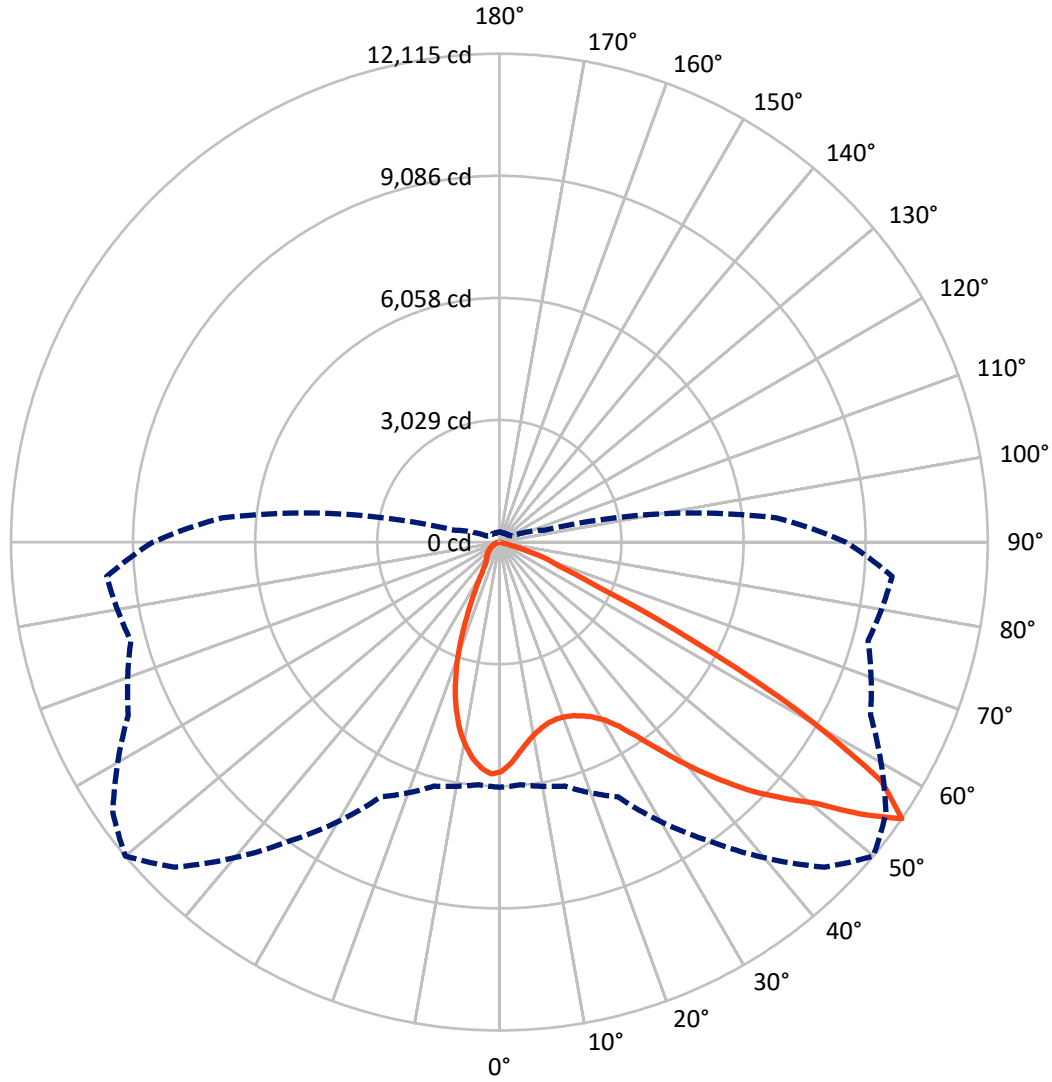
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

REPORT NUMBER: P640504
CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P640504
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.5	0.0	3199.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	13037.6	0.0	13037.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	16237.1	0.0	16237.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.3	3.1
10°-20°	1231.2	7.6
20°-30°	1736.6	10.7
30°-40°	2569.8	15.8
40°-50°	3707.4	22.8
50°-60°	4373.2	26.9
60°-70°	1950.8	12.0
70°-80°	167.7	1.0
80°-90°	0.1	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°	16237.1	100.0
0°-180°	16237.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640504

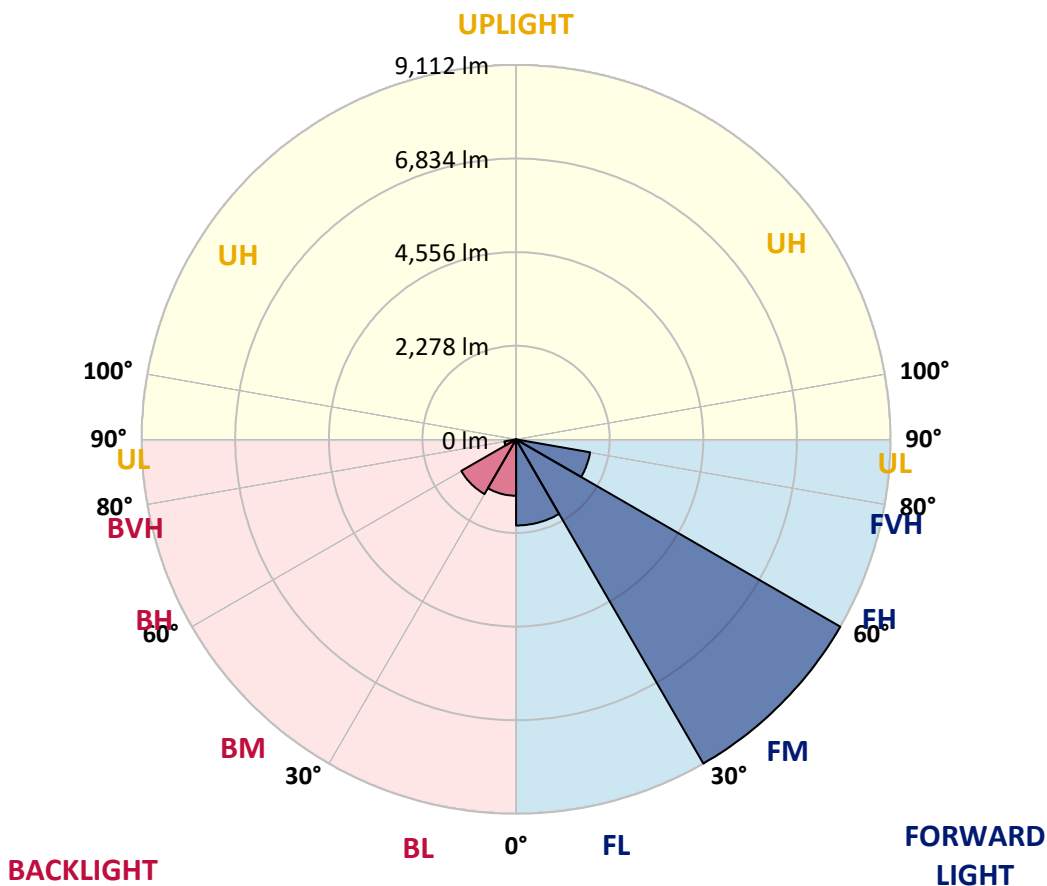
CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.3	12.9			
FM (30°-60°)	9111.7	56.1			
FH (60°-80°)	1829.6	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1371.8	8.4	B3/2500		
BM (30°-60°)	1538.7	9.5	B2/2500		
BH (60°-80°)	288.9	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	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





REPORT NUMBER: P640504

CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9
2.5°	5292.5	5296.5	5298.5	5352.0	5371.8	5451.1	5492.7	5514.5	5572.0	5639.4	5694.9
5°	4937.7	4931.7	4941.7	5009.0	5052.7	5169.6	5233.0	5276.6	5403.5	5562.1	5694.9
7.5°	4628.5	4640.4	4652.3	4725.6	4791.0	4917.9	5009.0	5074.5	5250.9	5486.8	5710.8
10°	4410.4	4410.4	4428.3	4511.5	4588.8	4745.4	4836.6	4919.9	5130.0	5419.4	5728.6
12.5°	4249.9	4251.8	4273.6	4368.8	4458.0	4620.5	4715.7	4797.0	5028.9	5352.0	5732.6
15°	4174.5	4168.6	4186.4	4287.5	4386.6	4539.3	4638.4	4717.7	4957.5	5314.3	5752.4
17.5°	4154.7	4150.8	4164.6	4263.7	4364.8	4513.5	4610.6	4689.9	4947.6	5326.2	5811.8
20°	4212.2	4204.3	4198.3	4283.6	4378.7	4525.4	4626.5	4715.7	4995.2	5391.6	5903.0
22.5°	4349.0	4349.0	4335.1	4376.7	4440.2	4573.0	4678.0	4795.0	5120.1	5522.4	6037.8
25°	4600.7	4580.9	4555.1	4573.0	4565.0	4648.3	4773.2	4935.7	5355.9	5738.5	6202.3
27.5°	4888.1	4906.0	4862.4	4864.3	4795.0	4765.2	4909.9	5155.7	5706.8	6043.8	6446.2
30°	5278.6	5264.8	5266.7	5260.8	5100.2	4959.5	5116.1	5443.2	6148.8	6509.6	6763.3
32.5°	5583.9	5603.7	5669.1	5706.8	5496.7	5270.7	5437.2	5833.7	6652.3	7040.8	7151.8
35°	5907.0	5942.7	6075.5	6198.4	6022.0	5762.3	5940.7	6351.0	7126.1	7566.1	7597.8
37.5°	6247.9	6319.3	6477.9	6693.9	6666.2	6436.2	6598.8	6959.5	7498.7	7883.3	7966.5
40°	6638.4	6707.8	6967.5	7278.7	7344.1	7292.6	7346.1	7556.2	7744.5	7897.1	8125.1
42.5°	7066.6	7161.7	7490.8	7907.0	8152.8	8198.4	8073.5	8051.7	7851.5	7738.6	8091.4
45°	7572.1	7683.1	8055.7	8594.9	8985.4	9046.8	8830.8	8551.3	7918.9	7621.6	7990.3
47.5°	8139.0	8244.0	8614.7	9262.9	9843.7	9867.5	9490.8	9040.9	8119.1	7756.4	8067.6
50°	8329.3	8394.7	8715.8	9477.0	10547.4	10729.7	10184.6	9591.9	8521.5	8152.8	8444.2
52.5°	7675.1	7700.9	7980.4	8749.5	10404.6	11576.1	11197.5	10414.5	9237.1	8757.4	9025.0
55°	6081.4	6039.8	6265.8	6971.4	9042.9	11403.7	12115.3	11706.9	10158.8	9467.0	9780.2
57.5°	4253.8	4204.3	4152.7	4630.4	6747.4	9667.2	11163.8	11887.3	11037.0	10170.7	10594.9
60°	3496.6	3449.0	3199.3	2979.3	4079.4	6941.7	8575.0	9936.8	10965.6	10135.1	10569.2
62.5°	3020.9	2993.1	2892.0	2592.7	2400.5	3962.4	5369.8	6674.1	8414.5	7958.6	7982.4
65°	2372.7	2364.8	2434.2	2465.9	2122.9	2192.3	2739.4	3468.9	4549.2	4289.5	4067.5
67.5°	1621.4	1603.6	1734.4	2132.9	2041.7	1730.5	1603.6	1617.5	1968.3	1203.2	955.4
70°	1030.8	989.1	991.1	1322.1	1661.1	1365.7	1236.9	1088.2	979.2	178.4	202.2
72.5°	660.1	634.3	545.1	596.6	769.1	666.0	672.0	578.8	386.5	95.1	111.0
75°	277.5	255.7	196.2	156.6	154.6	97.1	85.2	79.3	53.5	53.5	57.5
77.5°	2.0	0.0	0.0	2.0	4.0	2.0	2.0	4.0	7.9	11.9	13.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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



REPORT NUMBER: P640504
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9
2.5°	5728.6	5681.0	5734.5	5754.4	5752.4	5754.4	5696.9	5657.2	5655.3	5605.7	5581.9
5°	5750.4	5712.7	5752.4	5726.6	5665.2	5587.9	5484.8	5395.6	5355.9	5298.5	5270.7
7.5°	5792.0	5752.4	5746.4	5643.4	5490.7	5328.2	5145.8	4983.3	4896.1	4791.0	4797.0
10°	5821.8	5776.2	5698.9	5488.7	5235.0	4975.4	4703.8	4462.0	4309.3	4168.6	4144.8
12.5°	5833.7	5766.3	5585.9	5268.7	4911.9	4573.0	4174.5	3829.6	3591.8	3407.4	3381.7
15°	5855.5	5746.4	5441.2	5003.1	4513.5	4033.8	3526.4	3054.6	2739.4	2527.3	2545.2
17.5°	5889.2	5724.6	5278.6	4705.8	4085.3	3407.4	2721.6	2180.4	1891.0	1768.1	1770.1
20°	5936.7	5698.9	5100.2	4378.7	3571.9	2699.8	1902.9	1494.6	1413.3	1409.4	1403.4
22.5°	6000.2	5673.1	4909.9	4019.9	2963.4	1891.0	1266.6	1139.8	1173.5	1238.9	1250.8
25°	6075.5	5641.4	4697.8	3615.6	2299.4	1240.9	949.5	929.7	1010.9	1098.1	1118.0
27.5°	6192.4	5625.5	4456.0	3155.7	1613.5	890.0	777.0	788.9	862.3	935.6	953.4
30°	6390.7	5655.3	4192.4	2640.3	1036.7	709.6	674.0	691.8	731.4	769.1	785.0
32.5°	6660.2	5742.5	3936.7	2077.4	739.4	616.5	608.5	618.5	634.3	656.1	662.1
35°	6975.4	5893.1	3673.0	1486.7	610.5	562.9	555.0	555.0	562.9	566.9	568.9
37.5°	7235.1	6051.7	3425.3	989.1	547.1	521.3	509.4	503.5	501.5	505.5	507.4
40°	7348.1	6117.1	3155.7	719.5	501.5	483.7	465.8	448.0	448.0	461.9	463.8
42.5°	7268.8	6043.8	2844.5	594.7	469.8	444.0	416.3	400.4	408.3	422.2	426.2
45°	7100.3	5863.4	2501.6	525.3	438.1	404.4	372.7	362.7	370.7	388.5	392.5
47.5°	7072.5	5744.5	2091.2	479.7	404.4	370.7	337.0	327.1	337.0	350.9	354.8
50°	7348.1	5847.5	1635.3	440.1	372.7	335.0	307.2	297.3	303.3	311.2	315.2
52.5°	7851.5	6230.1	1320.2	402.4	335.0	299.3	281.5	269.6	269.6	277.5	279.5
55°	8594.9	6898.1	1139.8	358.8	291.4	271.6	255.7	243.8	243.8	247.8	249.8
57.5°	9451.2	7706.8	1181.4	301.3	255.7	245.8	231.9	222.0	226.0	226.0	226.0
60°	9332.3	7647.4	1264.7	253.7	226.0	222.0	210.1	206.2	216.1	208.1	204.2
62.5°	6874.3	5282.6	662.1	208.1	194.3	190.3	182.4	190.3	204.2	182.4	174.4
65°	3338.0	2557.1	265.6	170.5	164.5	160.6	156.6	168.5	176.4	142.7	134.8
67.5°	785.0	638.3	172.5	144.7	136.8	128.8	132.8	134.8	128.8	97.1	93.2
70°	204.2	200.2	134.8	120.9	109.0	101.1	101.1	99.1	85.2	61.4	57.5
72.5°	111.0	109.0	97.1	91.2	75.3	67.4	69.4	61.4	47.6	35.7	33.7
75°	55.5	59.5	55.5	51.5	41.6	37.7	37.7	33.7	23.8	13.9	13.9
77.5°	11.9	13.9	13.9	11.9	9.9	7.9	7.9	9.9	4.0	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	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)