

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: P641709

Luminaire Tested: GWS-SA6B-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17755.2 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

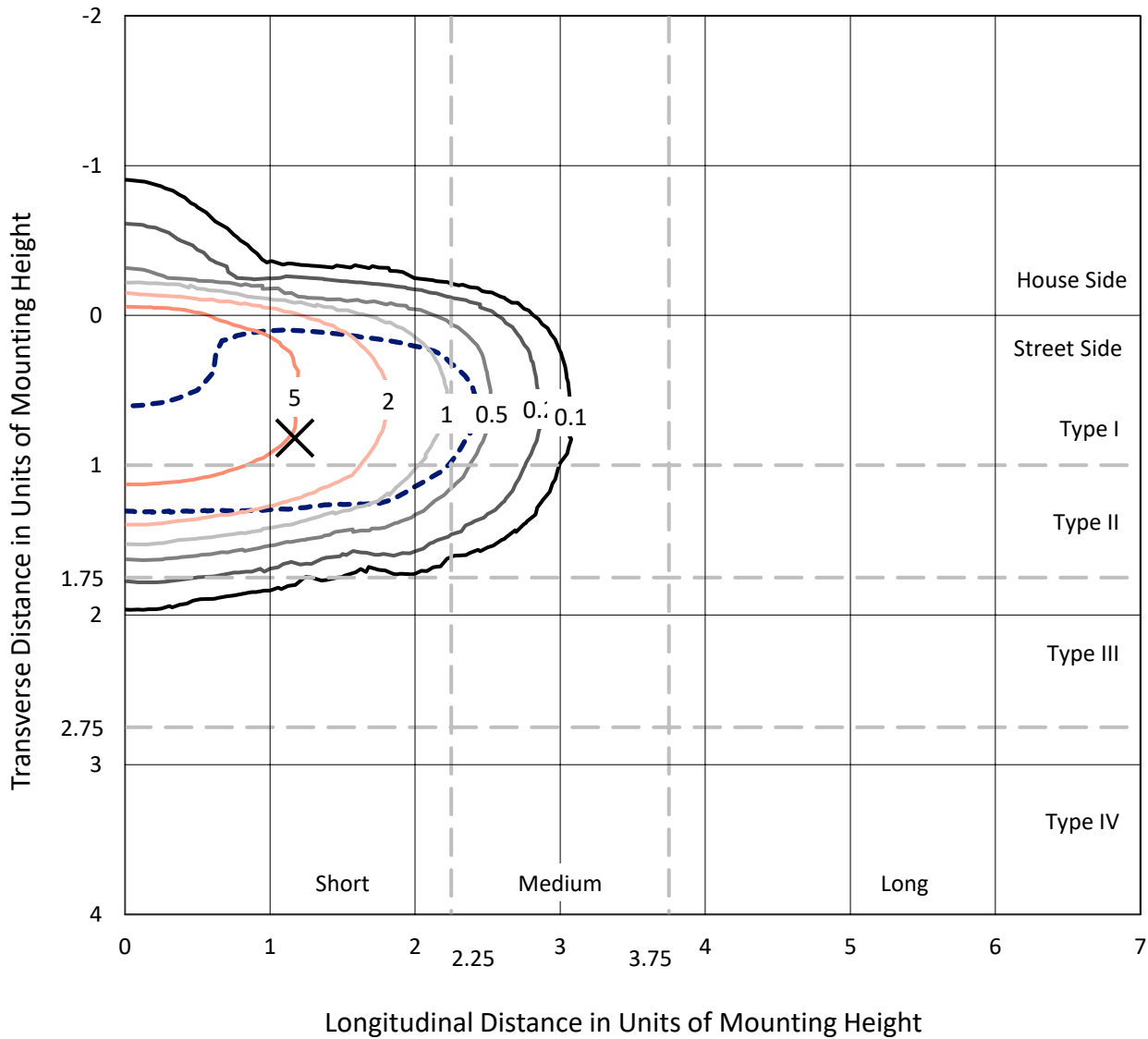
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

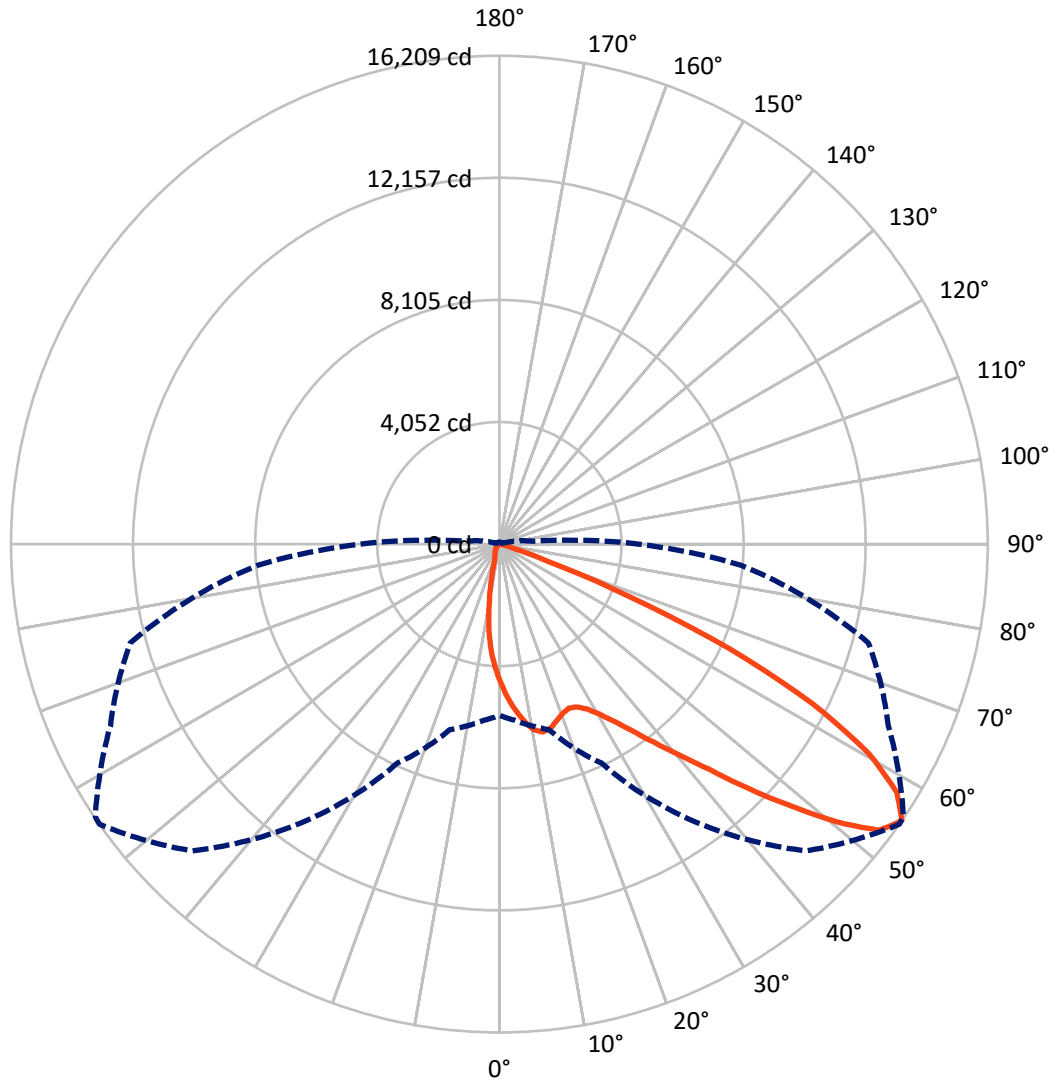
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.6	0.0	1095.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	16659.6	0.0	16659.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	17755.2	0.0	17755.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.4	2.3
10°-20°	977.3	5.5
20°-30°	1627.6	9.2
30°-40°	2773.5	15.6
40°-50°	4527.3	25.5
50°-60°	4739.9	26.7
60°-70°	2390.7	13.5
70°-80°	302.0	1.7
80°-90°	11.5	0.1
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°	17755.2	100.0
0°-180°	17755.2	100.0

Coefficient of Utilization

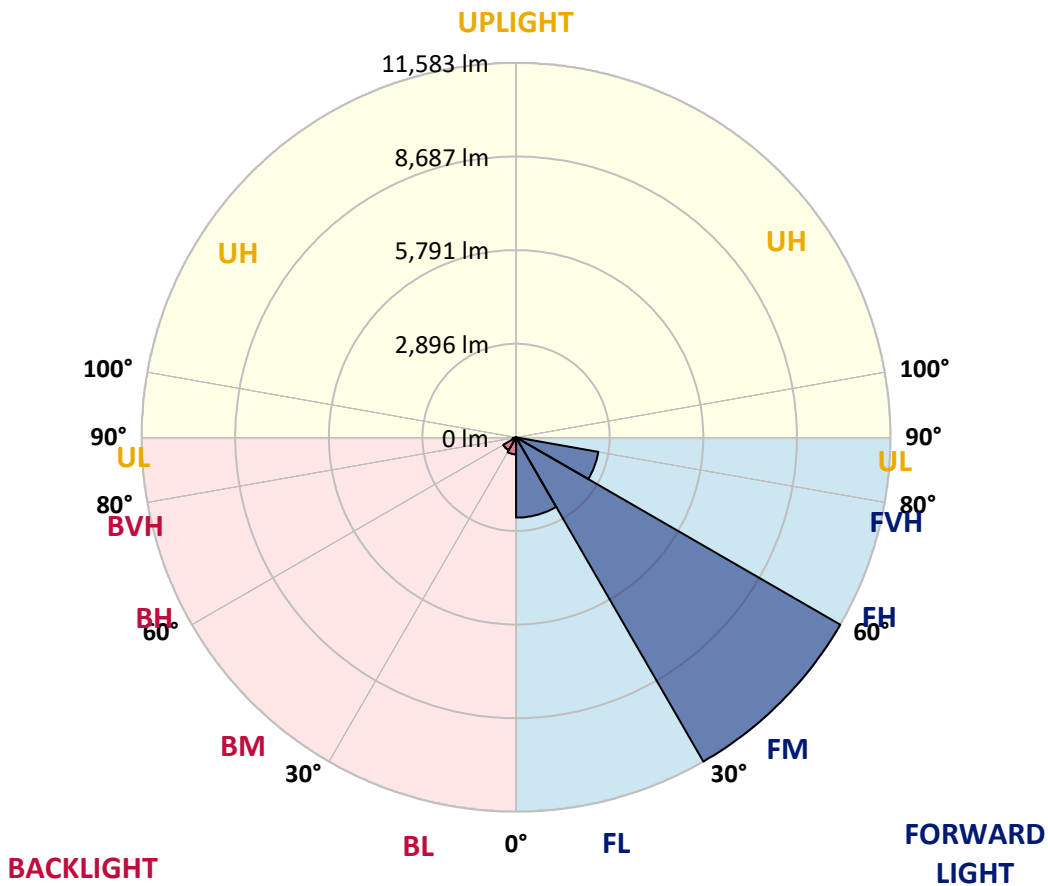


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2483.7	14.0			
FM (30°-60°)	11582.7	65.2			
FH (60°-80°)	2582.8	14.5			G2/5000
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	526.6	3.0	B2/1000		
BM (30°-60°)	458.1	2.6	B1/1000		
BH (60°-80°)	109.9	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9
2.5°	5347.3	5321.5	5361.0	5315.5	5238.1	5172.8	5087.8	5057.4	4920.8	4791.8	4667.3
5°	5997.0	6004.6	5992.4	5928.7	5819.4	5698.0	5526.4	5488.5	5250.2	5004.3	4738.7
7.5°	6157.9	6153.3	6179.1	6203.4	6185.2	6124.5	5937.8	5899.8	5603.9	5235.0	4848.0
10°	5661.5	5664.6	5717.7	5881.6	6085.0	6296.0	6267.1	6245.9	5956.0	5496.1	4969.4
12.5°	4960.3	4987.6	5043.8	5277.5	5622.1	6101.7	6399.2	6420.5	6279.3	5783.0	5112.1
15°	4656.7	4662.8	4708.3	4849.5	5106.0	5698.0	6343.0	6402.2	6549.5	6071.3	5266.9
17.5°	4649.1	4656.7	4676.5	4738.7	4905.6	5380.7	6162.4	6265.6	6752.9	6381.0	5452.1
20°	4934.5	4929.9	4916.3	4882.9	4955.7	5276.0	5995.5	6109.3	6863.7	6683.0	5638.8
22.5°	5452.1	5446.0	5385.3	5247.2	5188.0	5371.6	5913.5	6016.7	6930.4	6951.7	5792.1
25°	6048.6	6091.1	5977.2	5767.8	5622.1	5616.0	5986.3	6059.2	6988.1	7190.0	5896.8
27.5°	6702.8	6716.4	6619.3	6384.0	6173.0	6007.6	6197.3	6252.0	7051.9	7402.5	5956.0
30°	7420.7	7416.2	7305.4	7032.1	6775.6	6537.3	6552.5	6573.8	7200.6	7645.3	6021.3
32.5°	8317.7	8337.5	8140.2	7768.3	7460.2	7130.8	7017.0	7020.0	7469.3	7958.0	6119.9
35°	9536.6	9488.0	9226.9	8697.2	8172.0	7816.9	7622.6	7605.9	7883.6	8378.5	6291.4
37.5°	10697.7	10702.3	10429.1	9846.2	9182.9	8622.8	8348.1	8302.6	8466.5	8961.3	6576.8
40°	11503.7	11518.9	11405.0	11099.9	10397.2	9604.9	9201.1	9154.1	9222.4	9699.0	6950.2
42.5°	11930.2	11972.7	12004.6	12075.9	11543.2	10831.3	10210.5	10205.9	10134.6	10539.9	7382.8
45°	11946.9	12010.6	12204.9	12692.2	12752.9	12230.7	11555.3	11453.6	11178.9	11439.9	7769.8
47.5°	11286.6	11433.9	11846.7	12812.1	13449.6	13622.6	12953.2	12891.0	12119.9	12151.8	8059.7
50°	9747.5	9900.9	10661.3	12197.3	13625.6	14727.6	14487.8	14358.7	12906.2	12622.3	8199.4
52.5°	8169.0	8308.6	8824.7	10734.1	12895.5	15075.2	15781.0	15627.7	13612.0	12786.3	8141.7
55°	5684.3	5871.0	6374.9	8023.3	11213.8	14398.2	16209.0	16177.1	14241.9	12683.0	8052.1
57.5°	2786.7	2971.9	3474.3	4946.6	8307.1	12570.7	15554.8	15723.3	14618.3	12572.2	7979.3
60°	1164.2	1240.1	1413.1	2170.5	4647.6	9500.1	14077.9	14311.7	14387.6	12422.0	7971.7
62.5°	675.4	687.6	705.8	900.1	1807.7	5446.0	11678.2	12010.6	13174.8	12223.1	7851.8
65°	510.0	514.5	507.0	552.5	746.8	2065.8	8437.7	8890.0	10996.7	11446.0	7378.2
67.5°	418.9	418.9	399.2	408.3	469.0	774.1	4658.2	5289.7	8137.1	9407.6	6092.6
70°	333.9	341.5	332.4	320.3	335.4	428.0	1657.5	2055.2	4738.7	5555.3	3553.3
72.5°	253.5	253.5	268.7	259.6	248.9	268.7	578.3	649.6	1901.8	2316.2	1282.6
75°	195.8	201.9	212.5	203.4	188.2	159.4	277.8	294.5	573.7	538.8	286.9
77.5°	100.2	101.7	135.1	148.7	139.6	97.1	121.4	133.6	186.7	167.0	106.2
80°	60.7	63.7	75.9	116.9	92.6	51.6	50.1	53.1	88.0	75.9	44.0
82.5°	25.8	27.3	42.5	42.5	37.9	19.7	19.7	19.7	42.5	39.5	18.2
85°	0.0	0.0	7.6	6.1	6.1	7.6	7.6	7.6	10.6	15.2	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.6	4.6
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°	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9	4586.9
2.5°	4586.9	4489.8	4359.2	4240.8	4081.5	3991.9	3867.4	3765.8	3679.2	3651.9	3639.8
5°	4588.4	4421.5	4142.2	3862.9	3519.9	3249.7	2971.9	2751.8	2571.2	2513.5	2498.4
7.5°	4618.8	4372.9	3920.6	3413.6	2839.9	2366.3	1942.8	1563.4	1387.3	1328.1	1316.0
10°	4659.8	4331.9	3664.1	2874.8	2050.6	1441.9	1021.5	778.7	663.3	599.5	608.7
12.5°	4712.9	4298.5	3380.2	2291.9	1356.9	792.3	561.6	470.5	446.2	434.1	428.0
15°	4784.2	4259.1	3028.1	1713.6	831.8	510.0	432.6	408.3	399.2	393.1	391.6
17.5°	4857.1	4213.5	2669.9	1205.2	552.5	423.5	388.6	376.4	370.4	365.8	364.3
20°	4934.5	4136.1	2249.4	830.3	435.6	381.0	358.2	344.5	337.0	329.4	327.9
22.5°	4967.9	4011.6	1847.2	581.3	387.0	350.6	321.8	305.1	296.0	289.9	289.9
25°	4936.0	3809.8	1431.3	441.7	352.1	317.2	288.4	270.2	262.6	256.5	256.5
27.5°	4851.0	3550.2	1044.3	365.8	314.2	282.3	255.0	238.3	232.2	229.2	229.2
30°	4756.9	3222.4	736.2	314.2	271.7	245.9	223.1	212.5	211.0	207.9	207.9
32.5°	4676.5	2915.8	507.0	276.2	239.8	214.0	198.8	194.3	195.8	192.8	194.3
35°	4632.4	2615.2	376.4	245.9	214.0	189.7	182.1	182.1	182.1	180.6	180.6
37.5°	4650.7	2319.3	306.6	224.6	191.2	173.0	165.4	168.5	171.5	171.5	171.5
40°	4741.7	2056.7	271.7	204.9	171.5	157.9	151.8	156.3	160.9	163.9	163.9
42.5°	4857.1	1844.2	245.9	188.2	157.9	142.7	139.6	144.2	148.7	151.8	151.8
45°	4929.9	1630.2	220.1	167.0	144.2	126.0	126.0	132.1	130.5	132.1	132.1
47.5°	4963.3	1460.2	194.3	144.2	122.9	109.3	110.8	113.8	110.8	113.8	113.8
50°	4881.4	1288.6	171.5	119.9	101.7	95.6	98.7	97.1	97.1	103.2	103.2
52.5°	4731.1	1161.1	151.8	101.7	86.5	85.0	88.0	82.0	83.5	83.5	82.0
55°	4620.3	1088.3	135.1	88.0	74.4	75.9	74.4	63.7	57.7	51.6	50.1
57.5°	4565.7	1059.5	122.9	78.9	66.8	66.8	60.7	44.0	33.4	25.8	22.8
60°	4553.5	1024.5	110.8	68.3	59.2	56.2	44.0	25.8	16.7	12.1	10.6
62.5°	4438.2	939.5	100.2	54.6	51.6	45.5	27.3	15.2	9.1	6.1	4.6
65°	4060.2	772.6	89.6	42.5	39.5	33.4	16.7	9.1	4.6	1.5	0.0
67.5°	3230.0	547.9	78.9	31.9	27.3	21.2	10.6	6.1	1.5	0.0	0.0
70°	1862.4	296.0	65.3	22.8	18.2	13.7	7.6	3.0	0.0	0.0	0.0
72.5°	622.3	138.1	50.1	15.2	13.7	10.6	4.6	1.5	0.0	0.0	0.0
75°	136.6	82.0	33.4	10.6	9.1	7.6	3.0	0.0	0.0	0.0	0.0
77.5°	51.6	57.7	16.7	7.6	6.1	4.6	1.5	0.0	0.0	0.0	0.0
80°	19.7	37.9	7.6	4.6	4.6	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	10.6	15.2	4.6	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	7.6	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	1.5	1.5	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)