

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: P634834

Luminaire Tested: GWS-SA3C-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634834
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-SA3C-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11966.1 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

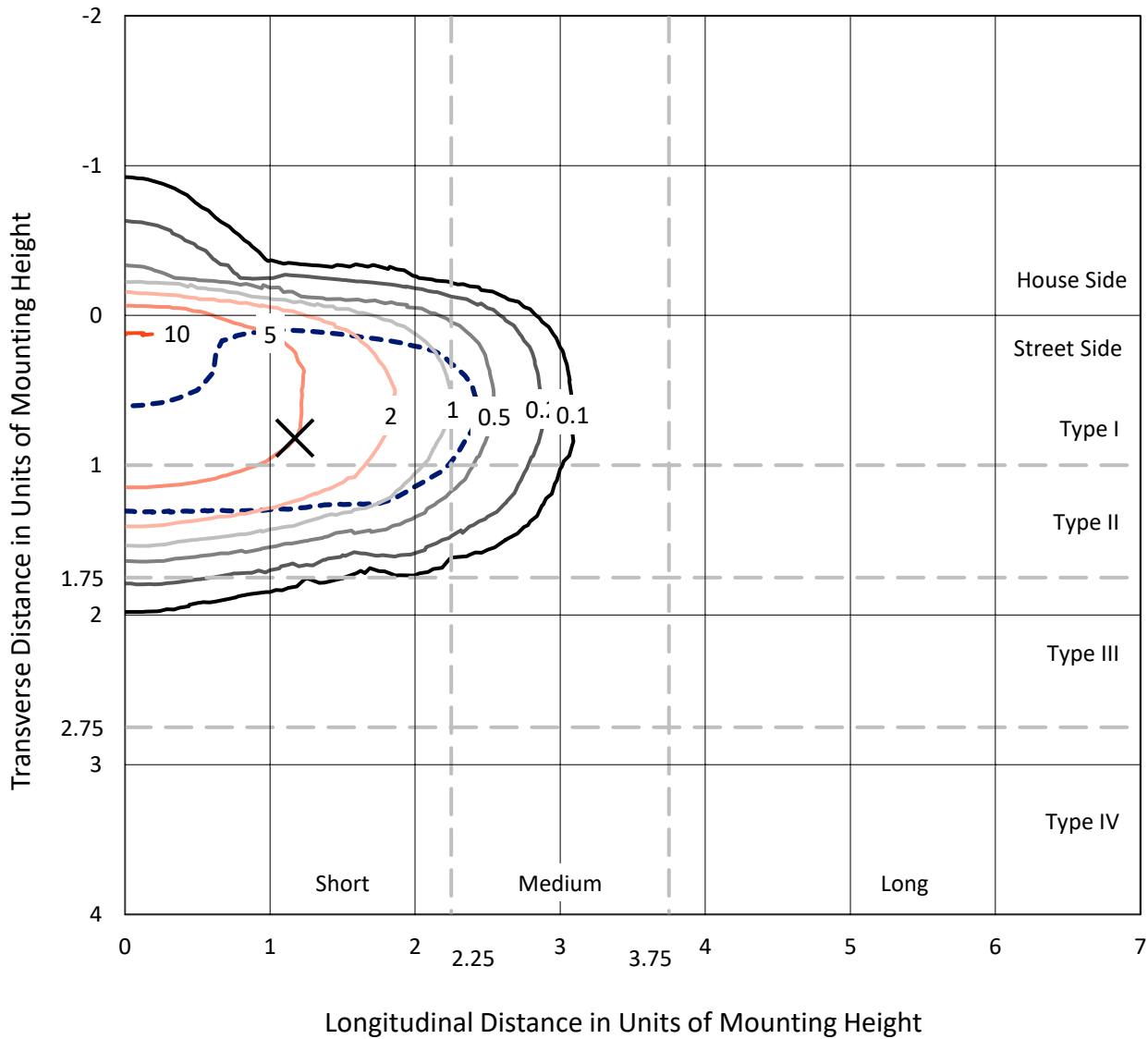
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

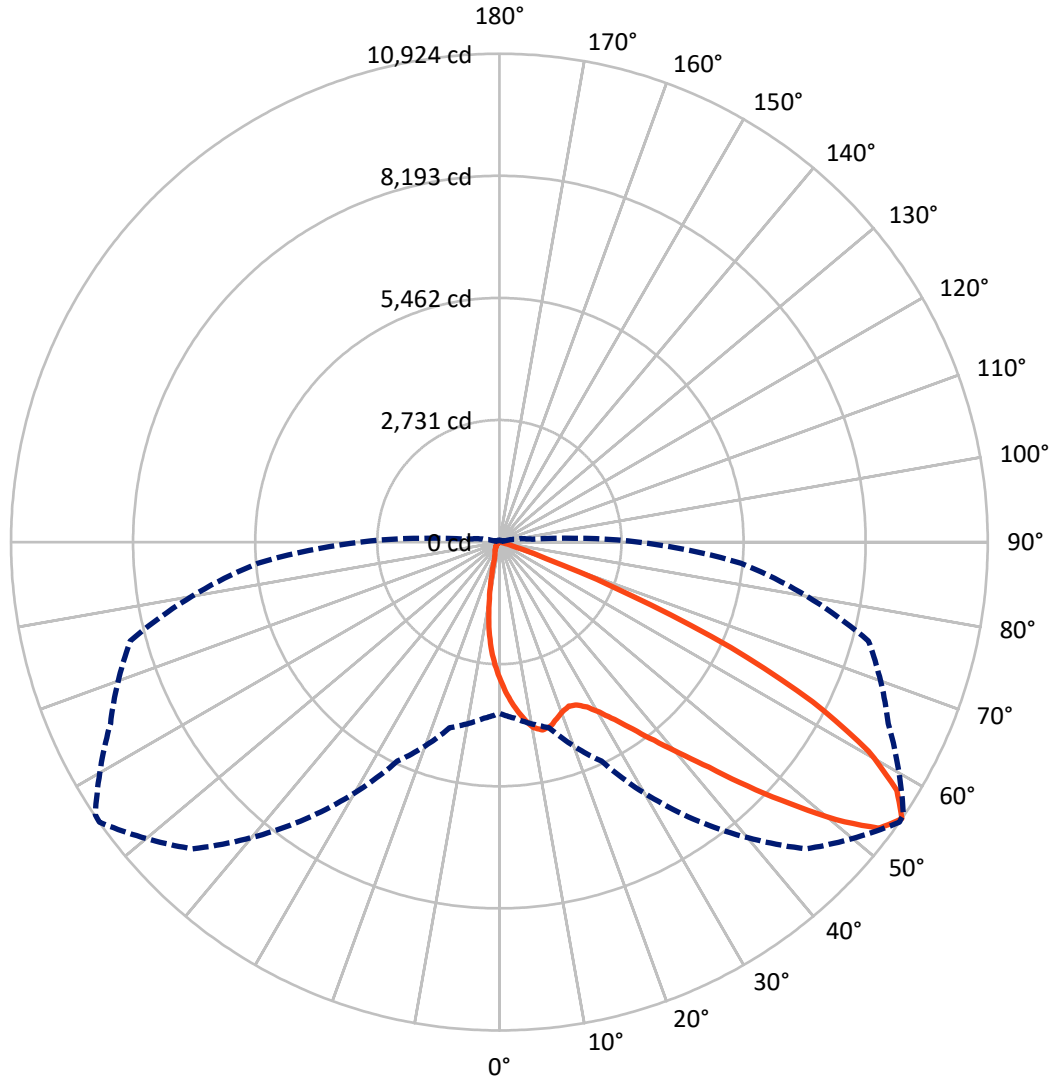
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.1 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	738.4	0.0	738.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	11227.7	0.0	11227.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	11966.1	0.0	11966.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	2.3
10°-20°	658.7	5.5
20°-30°	1096.9	9.2
30°-40°	1869.2	15.6
40°-50°	3051.2	25.5
50°-60°	3194.5	26.7
60°-70°	1611.2	13.5
70°-80°	203.5	1.7
80°-90°	7.7	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°	11966.1	100.0
0°-180°	11966.1	100.0

Coefficient of Utilization



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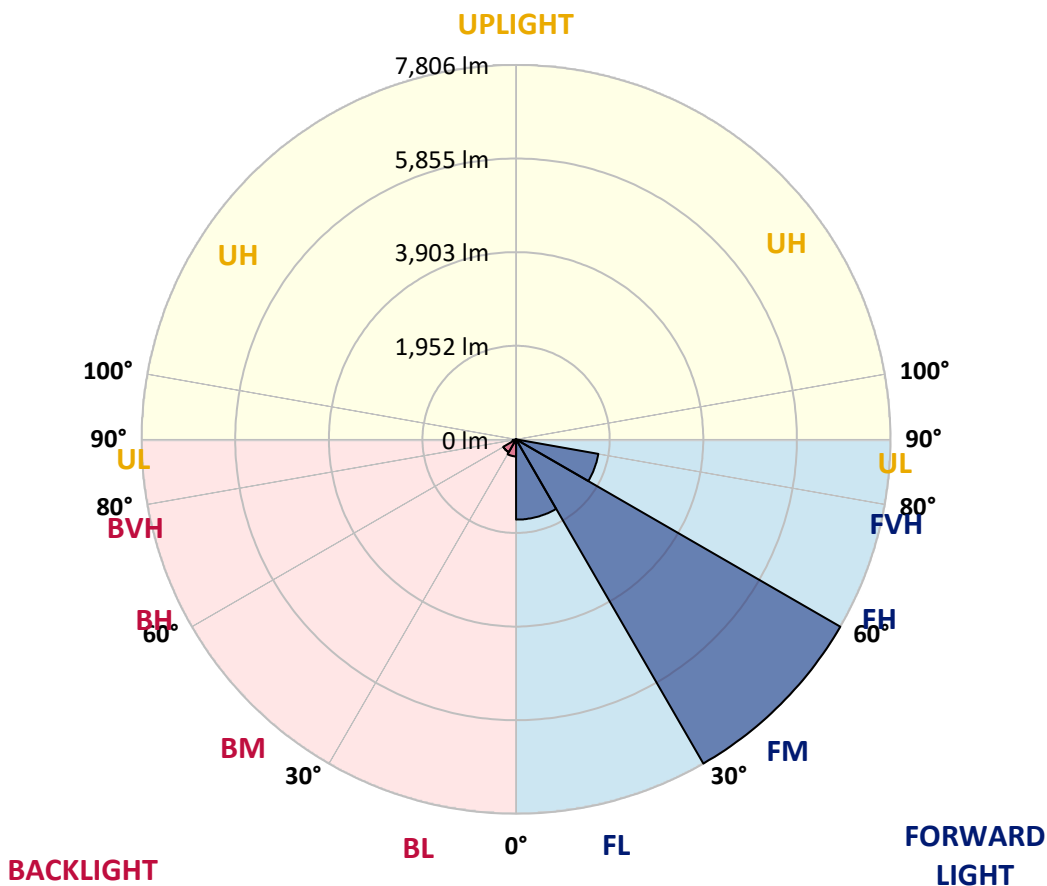
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.9	14.0			
FM (30°-60°)	7806.2	65.2			
FH (60°-80°)	1740.7	14.5			G1/1800
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	354.9	3.0	B1/500		
BM (30°-60°)	308.7	2.6	B1/1000		
BH (60°-80°)	74.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3
2.5°	3603.8	3586.4	3613.0	3582.4	3530.2	3486.2	3428.9	3408.5	3316.4	3229.4	3145.6
5°	4041.7	4046.8	4038.6	3995.6	3922.0	3840.1	3724.5	3699.0	3538.4	3372.6	3193.6
7.5°	4150.1	4147.0	4164.4	4180.8	4168.5	4127.6	4001.8	3976.2	3776.7	3528.1	3267.3
10°	3815.6	3817.6	3853.4	3963.9	4101.0	4243.2	4223.7	4209.4	4014.0	3704.1	3349.1
12.5°	3343.0	3361.4	3399.2	3556.8	3789.0	4112.2	4312.7	4327.1	4231.9	3897.4	3445.3
15°	3138.4	3142.5	3173.2	3268.3	3441.2	3840.1	4274.9	4314.8	4414.0	4091.8	3549.6
17.5°	3133.3	3138.4	3151.7	3193.6	3306.2	3626.3	4153.2	4222.7	4551.1	4300.5	3674.4
20°	3325.6	3322.5	3313.3	3290.8	3339.9	3555.8	4040.6	4117.4	4625.8	4504.0	3800.2
22.5°	3674.4	3670.3	3629.4	3536.3	3496.4	3620.2	3985.4	4055.0	4670.8	4685.1	3903.6
25°	4076.4	4105.1	4028.4	3887.2	3789.0	3784.9	4034.5	4083.6	4709.6	4845.7	3974.1
27.5°	4517.3	4526.5	4461.1	4302.5	4160.3	4048.8	4176.7	4213.5	4752.6	4988.9	4014.0
30°	5001.2	4998.1	4923.4	4739.3	4566.4	4405.8	4416.1	4430.4	4852.9	5152.6	4058.0
32.5°	5605.7	5619.0	5486.1	5235.4	5027.8	4805.8	4729.1	4731.1	5033.9	5363.3	4124.5
35°	6427.2	6394.4	6218.5	5861.5	5507.5	5268.2	5137.2	5126.0	5313.2	5646.7	4240.1
37.5°	7209.7	7212.8	7028.7	6635.8	6188.8	5811.3	5626.2	5595.5	5706.0	6039.5	4432.4
40°	7752.9	7763.1	7686.4	7480.8	7007.2	6473.2	6201.1	6169.4	6215.4	6536.6	4684.1
42.5°	8040.3	8069.0	8090.5	8138.5	7779.5	7299.7	6881.4	6878.3	6830.2	7103.3	4975.6
45°	8051.6	8094.6	8225.5	8553.9	8594.8	8242.9	7787.7	7719.1	7534.0	7709.9	5236.5
47.5°	7606.6	7705.8	7984.1	8634.7	9064.3	9180.9	8729.8	8687.9	8168.2	8189.7	5431.8
50°	6569.4	6672.7	7185.2	8220.4	9183.0	9925.6	9764.0	9677.1	8698.1	8506.8	5525.9
52.5°	5505.5	5599.6	5947.4	7234.3	8690.9	10159.9	10635.6	10532.2	9173.8	8617.3	5487.1
55°	3830.9	3956.8	4296.4	5407.3	7557.5	9703.7	10924.0	10902.5	9598.3	8547.7	5426.7
57.5°	1878.1	2002.9	2341.5	3333.8	5598.6	8472.0	10483.1	10596.7	9852.0	8473.1	5377.6
60°	784.6	835.7	952.4	1462.8	3132.3	6402.6	9487.8	9645.3	9696.5	8371.8	5372.5
62.5°	455.2	463.4	475.7	606.6	1218.3	3670.3	7870.5	8094.6	8879.2	8237.8	5291.7
65°	343.7	346.8	341.7	372.4	503.3	1392.2	5686.6	5991.4	7411.2	7714.0	4972.5
67.5°	282.3	282.3	269.0	275.2	316.1	521.7	3139.4	3565.0	5484.0	6340.2	4106.1
70°	225.0	230.2	224.0	215.8	226.1	288.5	1117.1	1385.1	3193.6	3744.0	2394.7
72.5°	170.8	170.8	181.1	174.9	167.8	181.1	389.7	437.8	1281.7	1561.0	864.4
75°	132.0	136.1	143.2	137.1	126.8	107.4	187.2	198.5	386.7	363.1	193.3
77.5°	67.5	68.5	91.0	100.2	94.1	65.5	81.8	90.0	125.8	112.5	71.6
80°	40.9	43.0	51.1	78.8	62.4	34.8	33.8	35.8	59.3	51.1	29.7
82.5°	17.4	18.4	28.6	28.6	25.6	13.3	13.3	13.3	28.6	26.6	12.3
85°	0.0	0.0	5.1	4.1	4.1	5.1	5.1	5.1	7.2	10.2	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	3.1
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°	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3
2.5°	3091.3	3025.9	2937.9	2858.1	2750.7	2690.3	2606.5	2537.9	2479.6	2461.2	2453.0
5°	3092.4	2979.8	2791.6	2603.4	2372.2	2190.1	2002.9	1854.6	1732.9	1694.0	1683.8
7.5°	3112.8	2947.1	2642.3	2300.6	1913.9	1594.8	1309.4	1053.6	935.0	895.1	886.9
10°	3140.4	2919.5	2469.4	1937.5	1382.0	971.8	688.4	524.8	447.0	404.1	410.2
12.5°	3176.2	2897.0	2278.1	1544.6	914.5	534.0	378.5	317.1	300.7	292.6	288.5
15°	3224.3	2870.4	2040.8	1154.9	560.6	343.7	291.5	275.2	269.0	264.9	263.9
17.5°	3273.4	2839.7	1799.4	812.2	372.4	285.4	261.9	253.7	249.6	246.5	245.5
20°	3325.6	2787.5	1516.0	559.6	293.6	256.8	241.4	232.2	227.1	222.0	221.0
22.5°	3348.1	2703.6	1244.9	391.8	260.9	236.3	216.9	205.6	199.5	195.4	195.4
25°	3326.6	2567.6	964.6	297.7	237.3	213.8	194.4	182.1	177.0	172.9	172.9
27.5°	3269.3	2392.7	703.8	246.5	211.7	190.3	171.9	160.6	156.5	154.5	154.5
30°	3205.9	2171.7	496.1	211.7	183.1	165.7	150.4	143.2	142.2	140.1	140.1
32.5°	3151.7	1965.1	341.7	186.2	161.6	144.2	134.0	130.9	132.0	129.9	130.9
35°	3122.0	1762.5	253.7	165.7	144.2	127.9	122.8	122.8	122.8	121.7	121.7
37.5°	3134.3	1563.1	206.6	151.4	128.9	116.6	111.5	113.5	115.6	115.6	115.6
40°	3195.7	1386.1	183.1	138.1	115.6	106.4	102.3	105.4	108.4	110.5	110.5
42.5°	3273.4	1242.9	165.7	126.8	106.4	96.2	94.1	97.2	100.2	102.3	102.3
45°	3322.5	1098.6	148.3	112.5	97.2	84.9	84.9	89.0	88.0	89.0	89.0
47.5°	3345.0	984.1	130.9	97.2	82.9	73.7	74.7	76.7	74.7	76.7	76.7
50°	3289.8	868.5	115.6	80.8	68.5	64.4	66.5	65.5	65.5	69.6	69.6
52.5°	3188.5	782.6	102.3	68.5	58.3	57.3	59.3	55.2	56.3	56.3	55.2
55°	3113.8	733.5	91.0	59.3	50.1	51.1	50.1	43.0	38.9	34.8	33.8
57.5°	3077.0	714.0	82.9	53.2	45.0	45.0	40.9	29.7	22.5	17.4	15.3
60°	3068.8	690.5	74.7	46.0	39.9	37.8	29.7	17.4	11.3	8.2	7.2
62.5°	2991.1	633.2	67.5	36.8	34.8	30.7	18.4	10.2	6.1	4.1	3.1
65°	2736.4	520.7	60.4	28.6	26.6	22.5	11.3	6.1	3.1	1.0	0.0
67.5°	2176.8	369.3	53.2	21.5	18.4	14.3	7.2	4.1	1.0	0.0	0.0
70°	1255.2	199.5	44.0	15.3	12.3	9.2	5.1	2.0	0.0	0.0	0.0
72.5°	419.4	93.1	33.8	10.2	9.2	7.2	3.1	1.0	0.0	0.0	0.0
75°	92.1	55.2	22.5	7.2	6.1	5.1	2.0	0.0	0.0	0.0	0.0
77.5°	34.8	38.9	11.3	5.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0
80°	13.3	25.6	5.1	3.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	10.2	3.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	5.1	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	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)