

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P453467

Luminaire Tested: **GLAN-SA4C-730-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26565 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



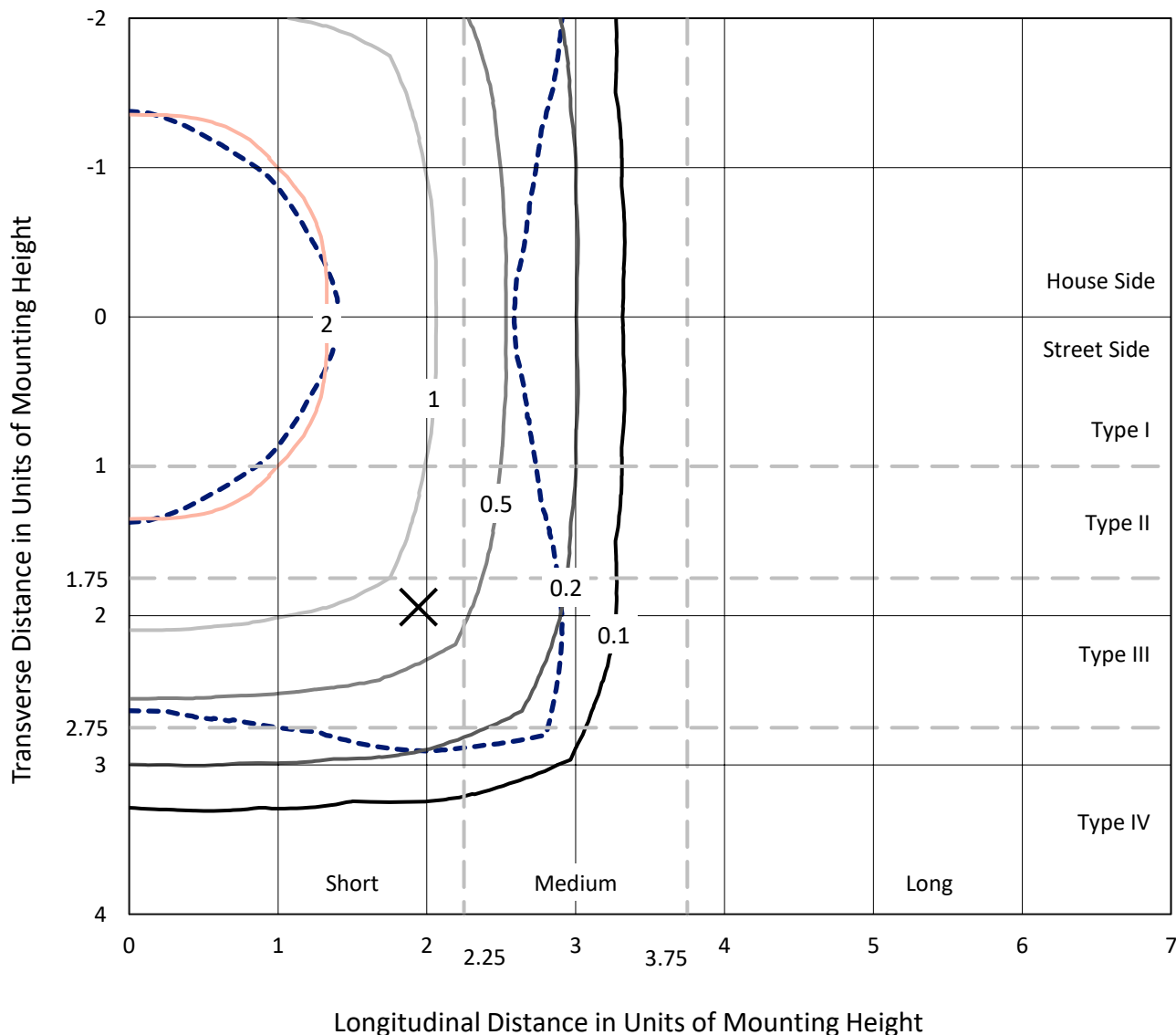
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



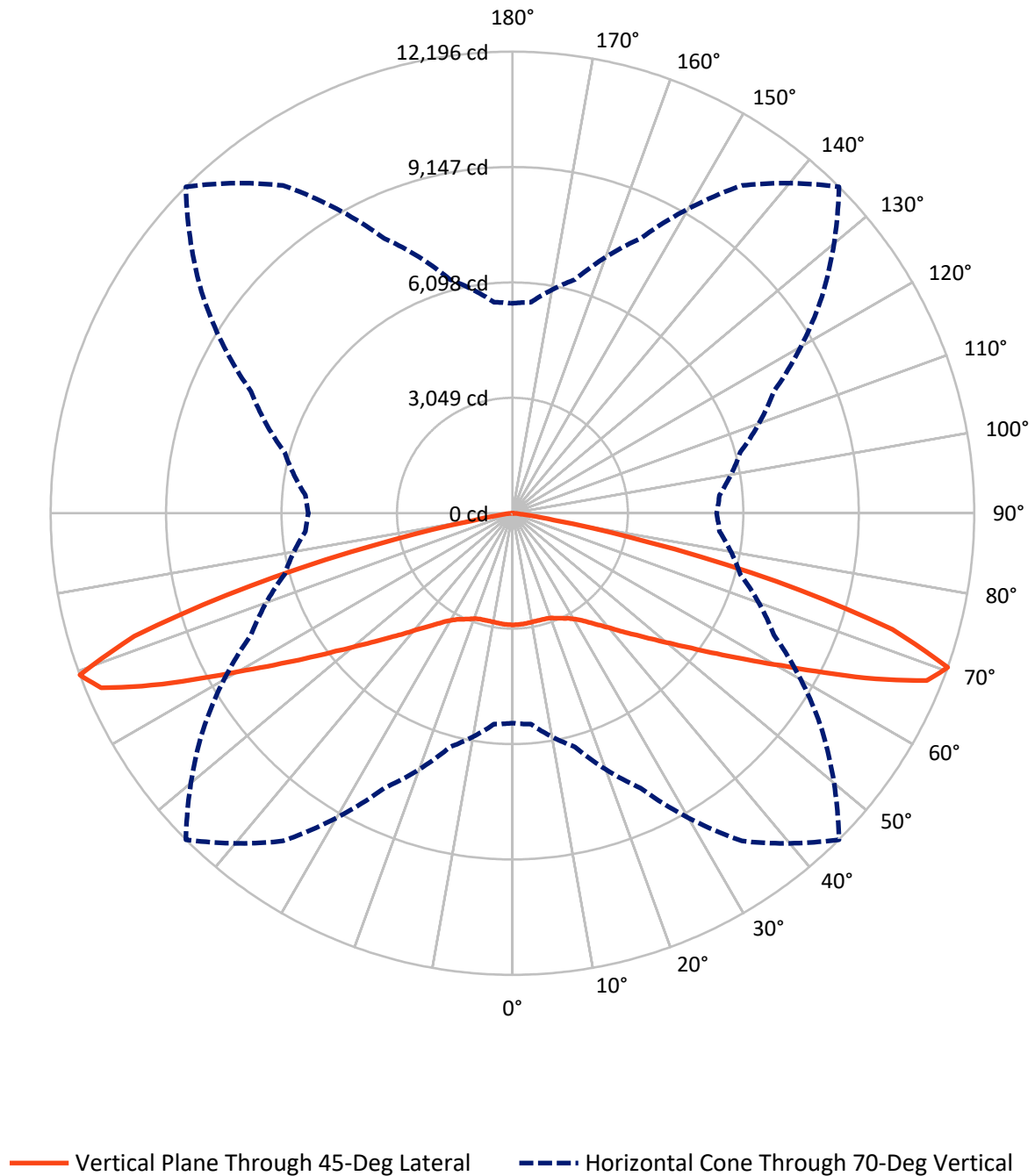
Based on 25 foot mounting height. Maximum calculated value = 4.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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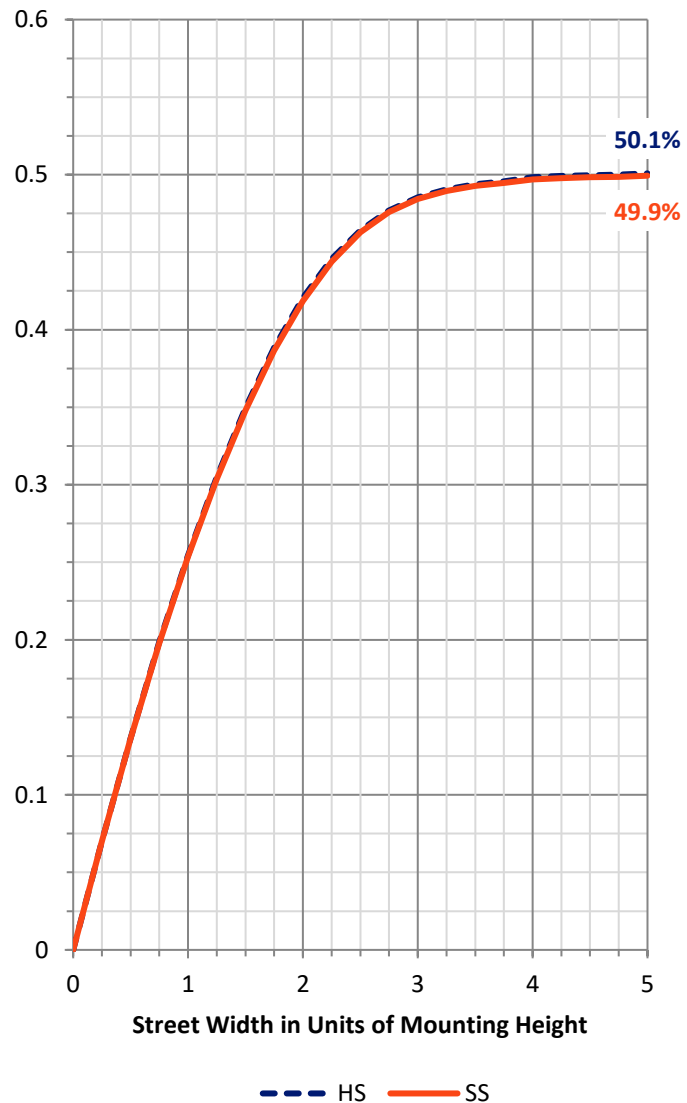
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13282.5	0.0	13282.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13282.5	0.0	13282.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26565.0	0.0	26565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	1.1
10°-20°	820.9	3.1
20°-30°	1403.9	5.3
30°-40°	2228.3	8.4
40°-50°	3594.9	13.5
50°-60°	5849.0	22.0
60°-70°	8478.9	31.9
70°-80°	3760.9	14.2
80°-90°	148.3	0.6
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°	26565.0	100.0
0°-180°	26565.0	100.0

Coefficient of Utilization



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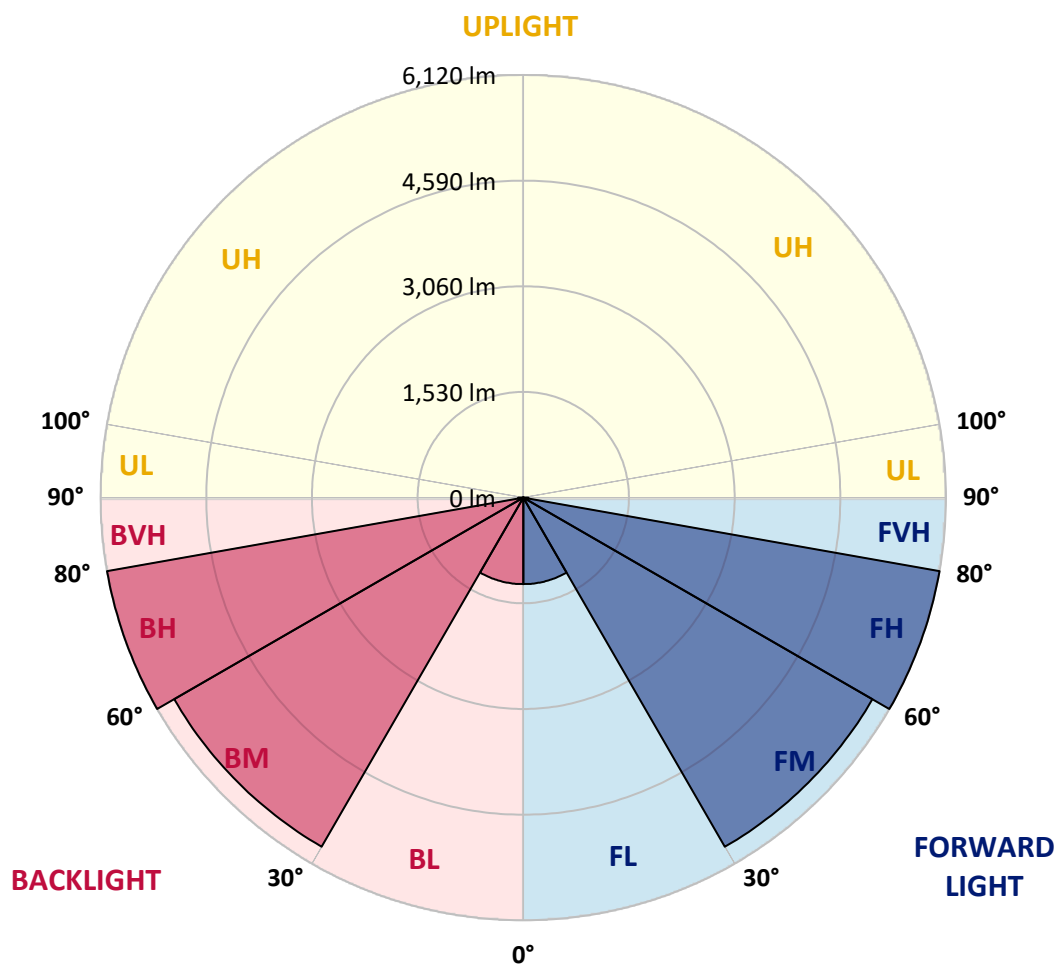
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1252.3	4.7			
FM	(30°-60°)	5836.1	22.0			
FH	(60°-80°)	6119.9	23.0			G3/7500
FVH	(80°-90°)	74.2	0.3			G1/100
BL	(0°-30°)	1252.3	4.7	B3/2500		
BM	(30°-60°)	5836.1	22.0	B4/8500		
BH	(60°-80°)	6119.9	23.0	B5		G3/7500
BVH	(80°-90°)	74.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9
2.5°	2949.9	2952.7	2948.5	2945.7	2944.3	2944.3	2942.9	2944.3	2952.7	2954.1	2949.9
5°	2941.5	2944.3	2942.9	2940.1	2938.7	2938.7	2937.3	2935.9	2942.9	2945.7	2944.3
7.5°	2930.3	2931.7	2930.3	2928.9	2930.3	2928.9	2924.7	2921.9	2927.5	2927.5	2926.1
10°	2910.7	2913.5	2912.1	2913.5	2916.3	2916.3	2910.7	2905.1	2906.5	2903.7	2903.7
12.5°	2886.9	2891.1	2892.5	2898.1	2905.1	2913.5	2900.9	2888.3	2885.5	2884.1	2882.7
15°	2871.5	2875.7	2881.3	2886.9	2899.5	2917.7	2899.5	2879.9	2874.3	2868.7	2865.9
17.5°	2867.3	2872.9	2881.3	2889.7	2906.5	2924.7	2909.3	2889.7	2875.7	2867.3	2864.5
20°	2878.5	2882.7	2895.3	2910.7	2934.5	2952.7	2937.3	2916.3	2895.3	2882.7	2878.5
22.5°	2900.9	2907.9	2923.3	2951.3	2984.9	3011.5	2990.5	2955.5	2921.9	2905.1	2899.5
25°	2949.9	2955.5	2973.7	3011.5	3050.7	3075.9	3053.5	3012.9	2966.7	2944.3	2937.3
27.5°	3024.1	3032.5	3052.1	3096.9	3129.1	3143.1	3127.7	3099.7	3066.1	3042.3	3036.7
30°	3129.1	3138.9	3168.3	3215.9	3236.9	3245.3	3238.3	3220.1	3196.3	3171.1	3165.5
32.5°	3270.5	3276.1	3309.7	3354.5	3374.1	3376.9	3368.5	3360.1	3320.9	3278.9	3276.1
35°	3428.7	3438.5	3479.1	3532.3	3550.5	3551.9	3535.1	3522.5	3476.3	3442.7	3442.7
37.5°	3638.7	3642.9	3682.1	3742.3	3762.0	3756.4	3747.9	3736.7	3687.7	3644.3	3645.7
40°	3885.2	3893.6	3927.2	3997.2	3997.2	3990.2	3995.8	3987.4	3938.4	3896.4	3897.8
42.5°	4177.8	4182.0	4222.6	4296.8	4291.2	4277.2	4282.8	4271.6	4240.8	4193.2	4176.4
45°	4490.0	4506.8	4576.8	4648.2	4637.0	4592.2	4614.6	4611.8	4583.8	4512.4	4516.6
47.5°	4866.6	4894.6	4961.8	5047.2	5034.6	4964.6	4989.8	5006.6	4967.4	4889.0	4875.0
50°	5290.8	5309.0	5408.4	5488.2	5477.0	5402.8	5460.2	5463.0	5365.0	5254.4	5254.4
52.5°	5743.0	5761.2	5895.6	6020.2	6027.2	5919.4	5965.6	5962.8	5803.2	5657.6	5629.6
55°	6249.9	6258.3	6431.9	6615.3	6654.5	6549.5	6555.1	6499.1	6291.9	6122.4	6107.0
57.5°	6773.5	6804.3	6996.1	7234.1	7350.3	7285.9	7256.5	7106.7	6906.5	6711.9	6702.1
60°	7353.1	7354.5	7603.7	7885.1	8120.3	8163.7	8043.3	7843.1	7584.1	7326.5	7315.3
62.5°	7754.9	7815.1	8130.1	8606.1	9027.6	9271.2	8953.4	8533.3	8023.7	7607.9	7565.9
65°	7837.5	7878.1	8358.3	9164.8	10025.8	10550.8	9815.8	8922.6	8053.1	7498.7	7470.7
67.5°	7169.7	7213.1	7859.9	9097.6	10725.8	11802.5	10375.8	8734.9	7554.7	6868.7	6814.1
70°	5545.6	5594.6	6394.1	8008.3	10570.4	12195.9	9976.8	7619.1	6230.2	5489.6	5390.2
72.5°	2948.5	3129.1	3812.4	5496.6	8579.5	10500.4	8180.5	5559.6	4018.2	3284.5	3152.9
75°	1076.6	1099.0	1479.9	2437.5	4991.2	7200.5	5183.0	2651.7	1524.7	1177.4	1117.2
77.5°	445.2	443.8	487.2	736.4	1813.1	3687.7	2023.1	778.4	485.8	449.4	443.8
80°	263.2	263.2	289.8	306.6	477.4	1113.0	533.4	347.2	291.2	266.0	270.2
82.5°	117.6	124.6	183.4	193.2	231.0	305.2	257.6	221.2	190.4	131.6	119.0
85°	64.4	56.0	96.6	100.8	110.6	113.4	121.8	120.4	110.6	64.4	65.8
87.5°	12.6	15.4	28.0	21.0	23.8	21.0	28.0	39.2	40.6	22.4	18.2
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)