

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: P316652

Luminaire Tested: **GAN-SA8C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 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: 47320 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

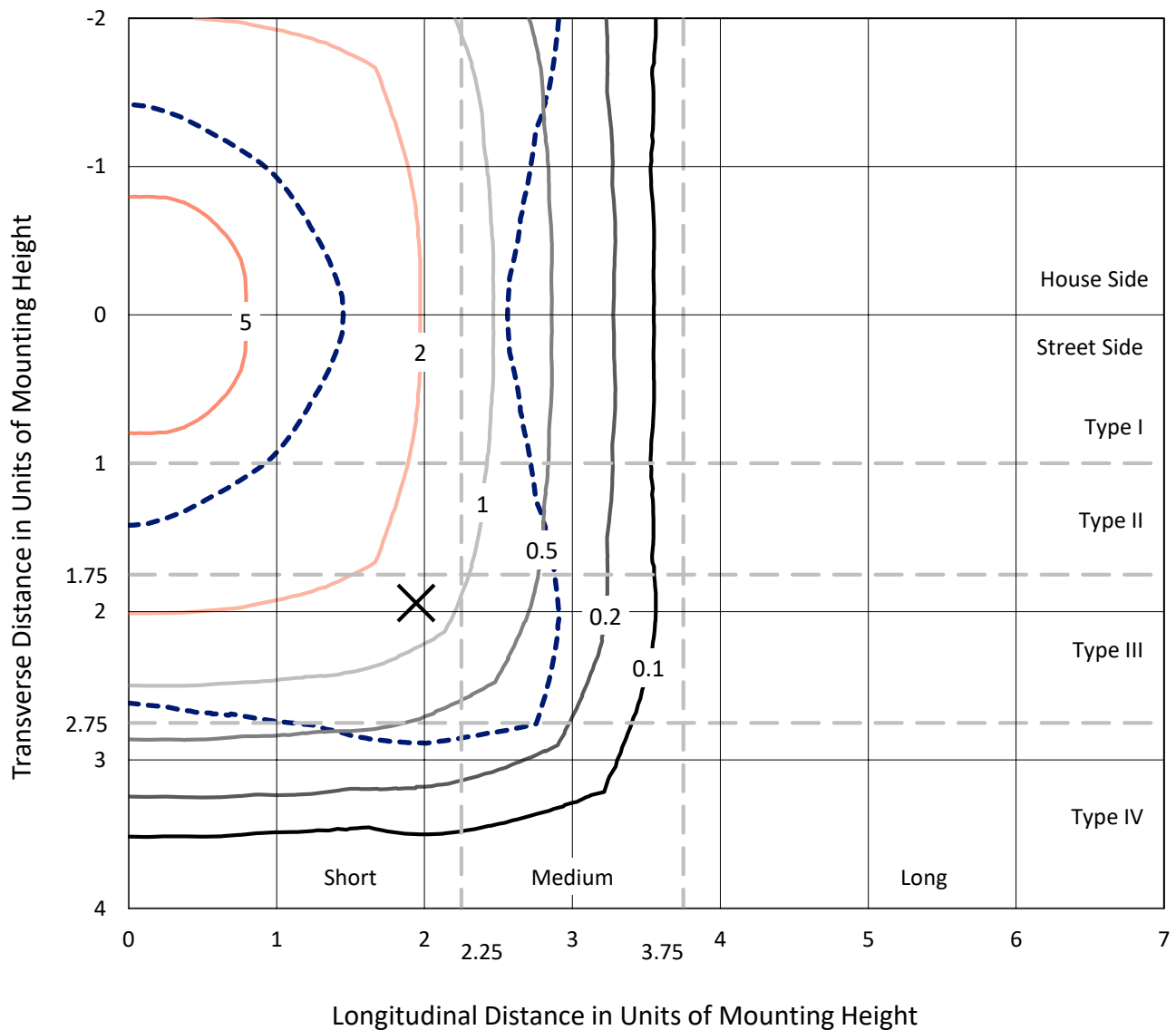
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

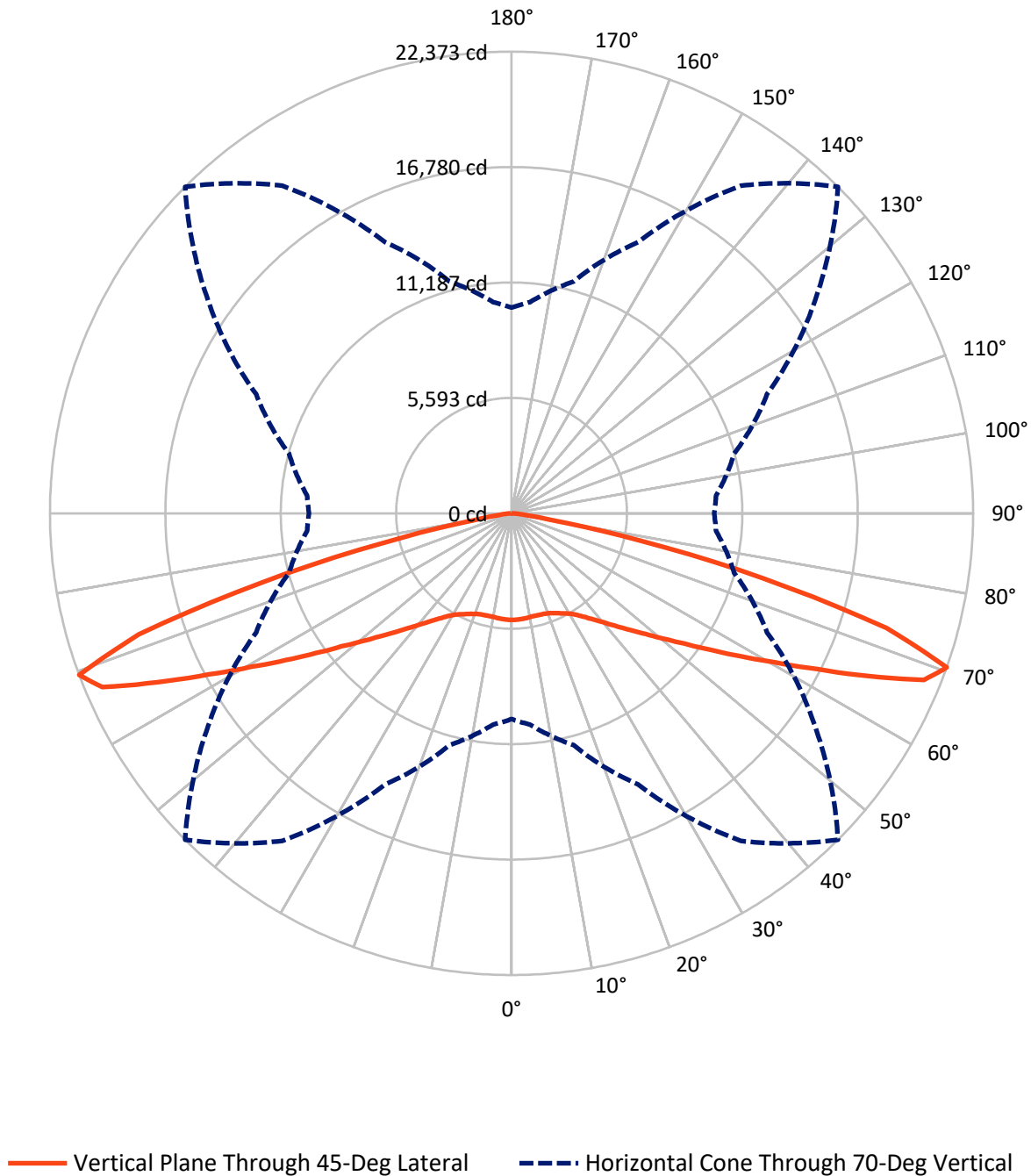
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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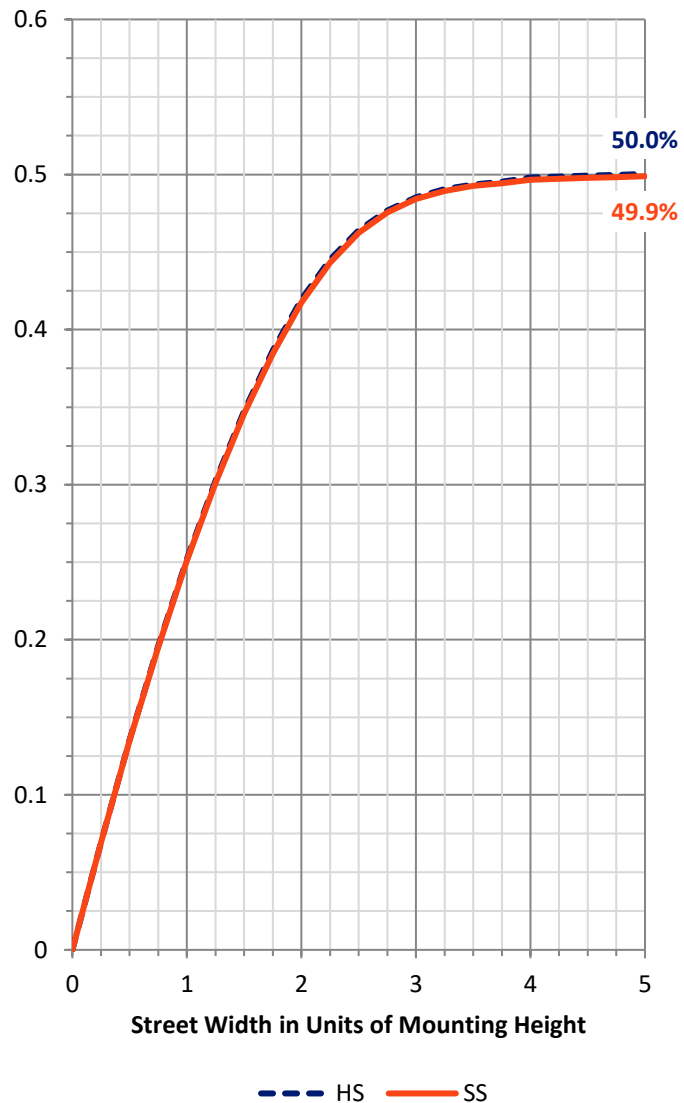
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23660.0	0.0	23660.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23660.0	0.0	23660.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47320.0	0.0	47320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	1.0
10°-20°	1437.0	3.0
20°-30°	2446.2	5.2
30°-40°	3879.6	8.2
40°-50°	6313.3	13.3
50°-60°	10409.5	22.0
60°-70°	15281.5	32.3
70°-80°	6757.4	14.3
80°-90°	306.0	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°	47320.0	100.0
0°-180°	47320.0	100.0

Coefficient of Utilization



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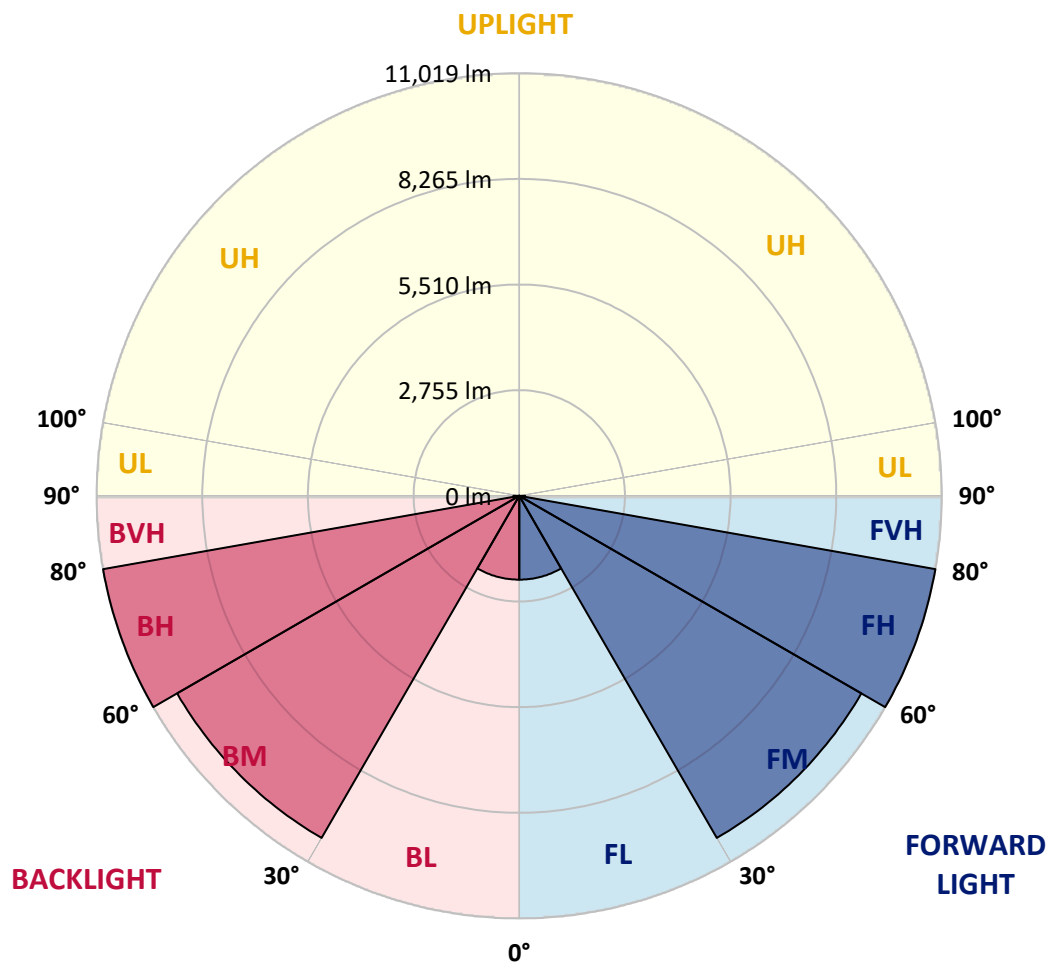
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2186.3	4.6			
FM	(30°-60°)	10301.2	21.8			
FH	(60°-80°)	11019.5	23.3			G4/12000
FVH	(80°-90°)	153.0	0.3			G2/225
BL	(0°-30°)	2186.3	4.6	B3/2500		
BM	(30°-60°)	10301.2	21.8	B5		
BH	(60°-80°)	11019.5	23.3	B5		G4/12000
BVH	(80°-90°)	153.0	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1	5168.1
2.5°	5160.2	5155.6	5166.5	5164.9	5155.6	5157.1	5157.1	5161.8	5161.8	5158.7	5158.7
5°	5141.5	5138.3	5150.9	5150.9	5141.5	5144.6	5147.7	5152.4	5150.9	5147.7	5146.2
7.5°	5118.0	5116.4	5128.9	5128.9	5122.7	5125.8	5122.7	5124.2	5121.1	5118.0	5113.3
10°	5078.8	5081.9	5092.9	5096.0	5096.0	5097.6	5094.5	5086.6	5081.9	5077.2	5072.5
12.5°	5042.8	5041.2	5056.9	5064.7	5077.2	5091.3	5081.9	5060.0	5050.6	5041.2	5038.1
15°	5019.3	5020.9	5036.5	5050.6	5072.5	5102.3	5091.3	5056.9	5038.1	5027.1	5024.0
17.5°	5014.6	5017.7	5038.1	5063.2	5086.6	5119.5	5113.3	5078.8	5047.5	5027.1	5022.4
20°	5025.6	5027.1	5058.5	5094.5	5135.2	5166.5	5152.4	5114.8	5072.5	5041.2	5033.4
22.5°	5045.9	5052.2	5091.3	5147.7	5210.4	5252.6	5235.4	5171.2	5105.4	5066.3	5055.3
25°	5110.1	5111.7	5164.9	5241.7	5316.9	5365.4	5345.0	5254.2	5169.6	5125.8	5111.7
27.5°	5243.3	5248.0	5301.2	5390.5	5454.7	5486.0	5473.5	5399.9	5327.8	5280.8	5285.5
30°	5435.9	5442.1	5501.7	5600.3	5639.5	5647.3	5644.2	5609.7	5543.9	5481.3	5486.0
32.5°	5670.8	5673.9	5753.8	5843.1	5874.4	5880.6	5874.4	5843.1	5764.8	5680.2	5684.9
35°	5973.0	5982.4	6059.2	6145.3	6170.4	6182.9	6171.9	6131.2	6049.8	5966.8	5963.7
37.5°	6345.8	6347.3	6427.2	6516.5	6547.8	6550.9	6538.4	6511.8	6410.0	6334.8	6330.1
40°	6778.0	6784.3	6878.2	6973.8	6986.3	6972.2	6989.4	6973.8	6868.8	6782.7	6796.8
42.5°	7304.2	7318.3	7431.1	7525.0	7489.0	7481.2	7492.2	7496.8	7412.3	7307.4	7298.0
45°	7916.6	7929.1	8070.0	8145.2	8121.7	8070.0	8092.0	8129.5	8012.1	7882.1	7894.6
47.5°	8615.0	8646.4	8796.7	8867.2	8809.2	8738.8	8781.0	8837.4	8699.6	8538.3	8530.5
50°	9391.8	9431.0	9631.4	9730.1	9672.1	9542.2	9612.6	9650.2	9451.3	9243.0	9225.8
52.5°	10220.3	10259.4	10511.6	10715.2	10677.6	10475.5	10574.2	10535.1	10306.4	10026.1	10004.2
55°	11158.4	11174.0	11446.5	11775.4	11813.0	11664.2	11657.9	11593.7	11255.5	10931.3	10915.6
57.5°	12123.1	12134.0	12486.4	12874.8	13051.8	13051.8	12876.4	12740.1	12290.6	11914.8	11875.6
60°	13164.5	13203.7	13593.6	14121.4	14534.8	14657.0	14346.9	13975.7	13487.1	13028.3	12982.8
62.5°	14091.6	14137.0	14733.7	15519.9	16183.9	16628.7	15870.7	15266.2	14376.7	13640.6	13554.5
65°	14209.1	14331.2	15200.4	16624.0	18110.2	18998.2	17544.8	16055.5	14434.6	13412.0	13324.3
67.5°	12976.6	13183.3	14357.9	16573.9	19645.0	21550.9	18614.5	15604.5	13394.7	12264.0	12166.9
70°	9971.3	10272.0	11626.6	14497.2	19380.3	22373.1	17944.2	13661.0	11167.8	9950.9	9814.7
72.5°	5470.3	5594.1	6812.5	9927.4	15537.1	19012.3	14967.1	10101.2	7406.0	6026.3	5797.6
75°	1735.2	1779.1	2399.2	4062.4	8788.9	12592.9	9507.7	4958.2	2729.7	2012.4	1988.9
77.5°	770.5	775.2	867.6	1185.5	3027.2	6380.2	3636.4	1350.0	930.3	812.8	839.4
80°	487.1	487.1	537.2	587.3	823.8	1852.7	983.5	642.1	548.1	509.0	519.9
82.5°	233.3	258.4	349.2	375.9	452.6	623.3	504.3	419.7	366.5	272.5	253.7
85°	153.5	128.4	220.8	249.0	263.1	299.1	292.9	277.2	239.6	136.2	151.9
87.5°	68.9	65.8	114.3	104.9	98.7	75.2	112.8	139.4	134.7	67.3	67.3
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)