Teamtronic A/S
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Report No. : 95 **Test Time :** 2024-07-30 15:06:56

Teamtronic Goniophotometer Test Report

Product Info

Luminaire : **Petalii 1 Small_ø280x254_3.8W_Topforspejlet_927**
Manufacturer : **Teamtronic**
Nuber of Lamps : **1** Lumens per Lamp : **0 lm**
Luminous Length : **280 mm** Luminous Width : **0 mm** Luminous Height : **160 mm**

Electric Parameters

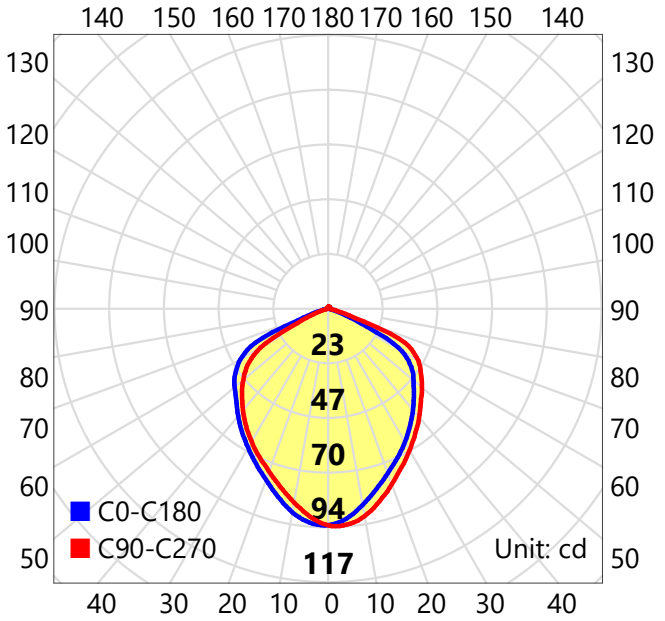
Voltage : **231.20 V** Current : **0.0210 A** Power : **3.82 W** Power Factor : **0.794** Frequency : **50.00 Hz**

Photometric Parameters

CIE Class : **Direct**
Measurement Flux : **220.0 lm**
Upward Ratio : **1.08 %**
Maximum Intensity : **93.90 cd**
Central Intensity : **92.90 cd**
Luminaire Efficacy Rating (LER) : **58**
Beam Angle (C0-C180,C90-C270) : **109.1 °, 108.6 °**
Field Angle (C0-C180,C90-C270) : **139.6 °, 139.7 °**

Total Rated Lamp Lumens : **220.0 lm**
Efficiency : **100.00 %**
Downward Ratio : **98.92 %**
Position Of Maximum Intensity : **C135° γ4°**
S/MH(C0-C180,C90-C270) : **1.09, 1.10**
Energy Efficiency Class : **G (EU 2019/2015 ηTM:49lm/W)**
Beam Angle (C45-C225,C135-C315) : **108.1 °, 108.7 °**
Field Angle (C45-C225,C135-C315) : **139.4 °, 139.7 °**

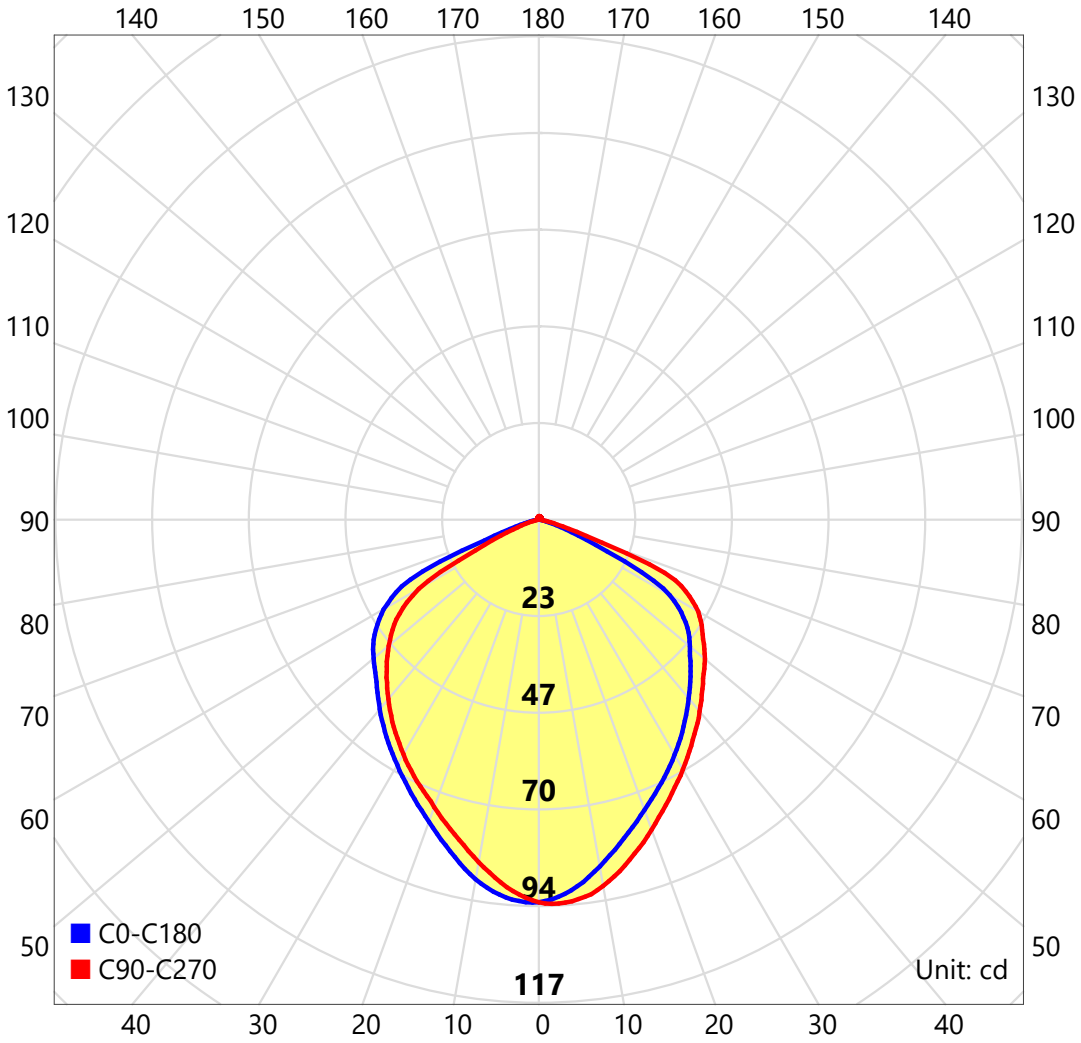
Here show photo of luminarie

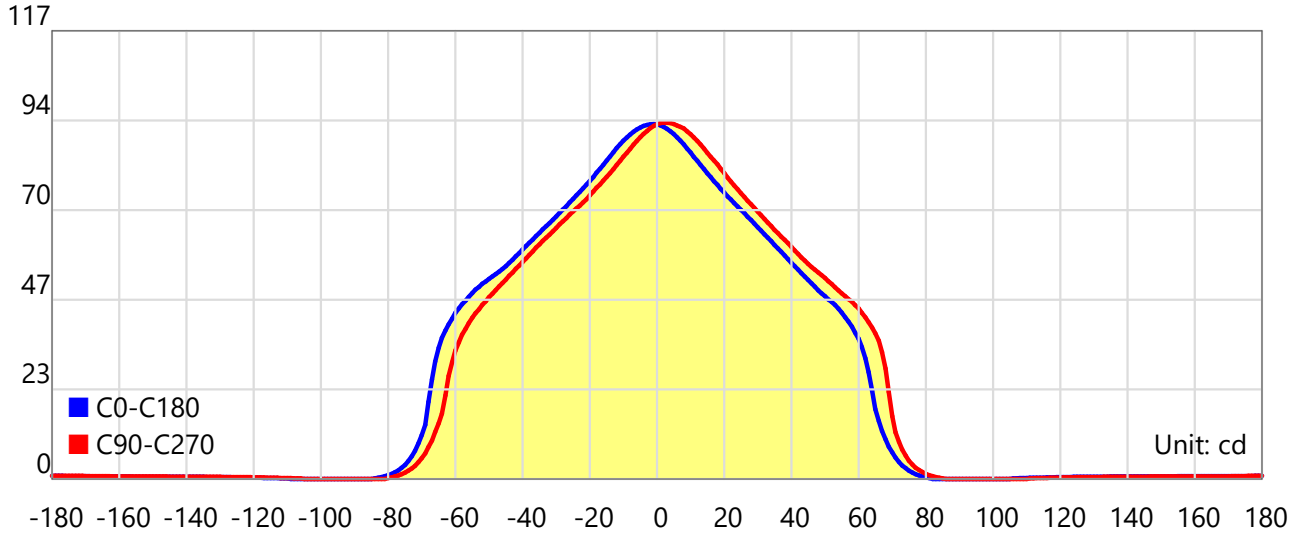


Average Beam Angle (50%): 108.6°

Test Type : Type C Test Distance : 6.119 m C Plane (°): 0.0-360.0:45.0 γ (°) : 0.0-180.0:1.0
Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
Test By : P. Nellemose Review By :

Light Distribution Curve





Test Type : Type C Test Distance : 6.119 m C Plane (°): 0.0-360.0:45.0 γ (°) : 0.0-180.0:1.0
Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
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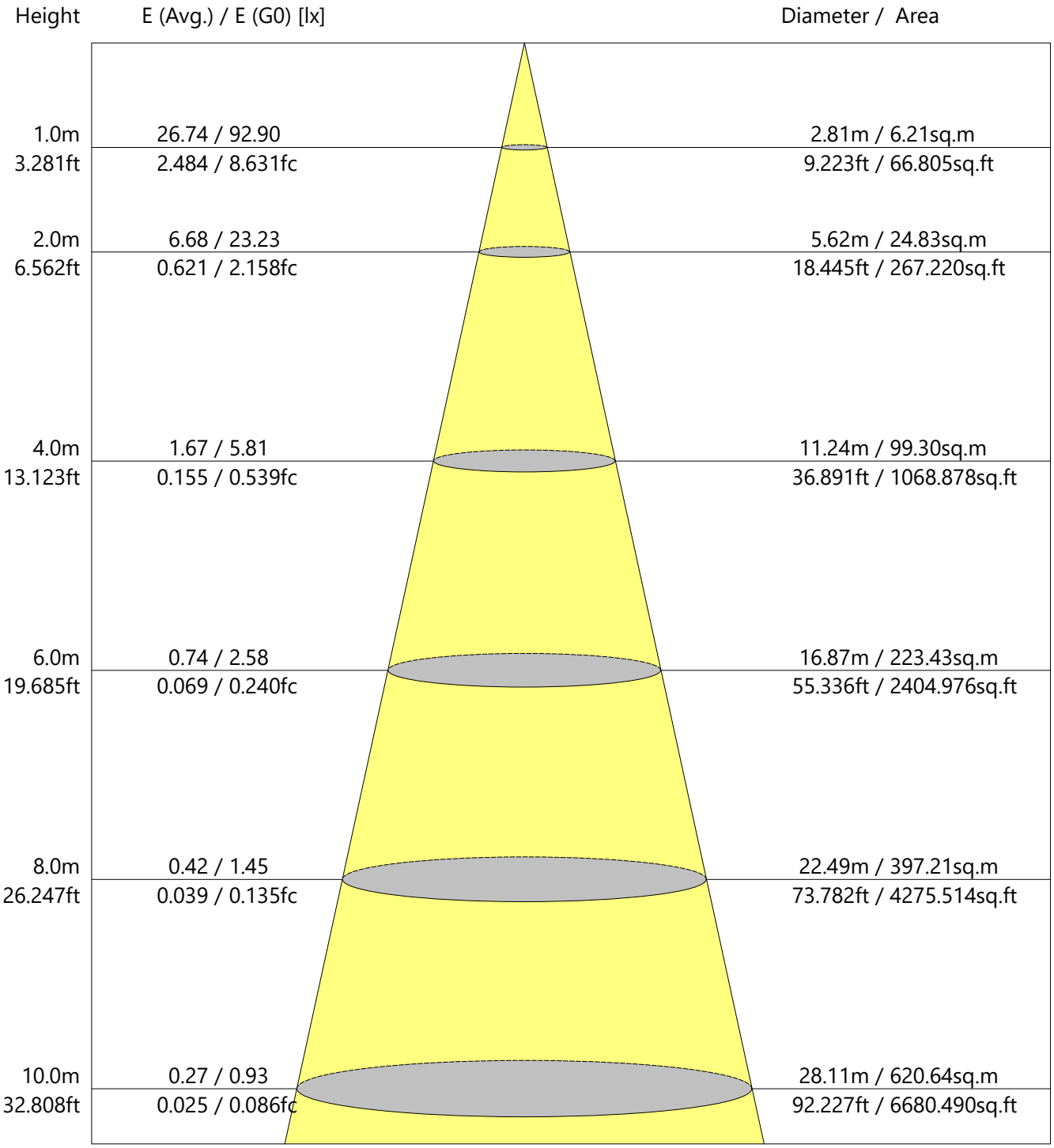
Average Illuminance Effective Figure



Beam Angle: 109.1° Flux Out: 165.95lm

Test Type : Type C Test Distance : 6.119 m C Plane (°): 0.0-360.0:45.0 γ (°) : 0.0-180.0:1.0
Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
Test By : P. Nellemose Review By :

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Zonal Flux

Gamma °	Imean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
0.0-1.0	92.9	0.1	0.1	0.04	0.04
1.0-2.0	92.7	0.3	0.4	0.12	0.16
2.0-3.0	92.4	0.4	0.8	0.20	0.36
3.0-4.0	92.1	0.6	1.4	0.28	0.64
4.0-5.0	91.6	0.8	2.2	0.36	1.00
5.0-6.0	91.0	1.0	3.2	0.43	1.44
6.0-7.0	90.3	1.1	4.3	0.51	1.94
7.0-8.0	89.5	1.3	5.6	0.58	2.53
8.0-9.0	88.7	1.4	7.0	0.65	3.18
9.0-10.0	87.8	1.6	8.6	0.72	3.90
10.0-11.0	86.8	1.7	10.3	0.79	4.69
11.0-12.0	85.8	1.9	12.2	0.85	5.54
12.0-13.0	84.8	2.0	14.2	0.92	6.46
13.0-14.0	83.8	2.1	16.4	0.98	7.43
14.0-15.0	82.8	2.3	18.6	1.03	8.47
15.0-16.0	81.7	2.4	21.0	1.09	9.56
16.0-17.0	80.7	2.5	23.5	1.14	10.70
17.0-18.0	79.7	2.6	26.2	1.19	11.89
18.0-19.0	78.7	2.7	28.9	1.24	13.14
19.0-20.0	77.7	2.8	31.7	1.29	14.43
20.0-21.0	76.7	2.9	34.7	1.34	15.77
21.0-22.0	75.7	3.0	37.7	1.38	17.15
22.0-23.0	74.8	3.1	40.9	1.43	18.58
23.0-24.0	73.8	3.2	44.1	1.47	20.05
24.0-25.0	72.9	3.3	47.4	1.51	21.55
25.0-26.0	72.0	3.4	50.8	1.55	23.10
26.0-27.0	71.1	3.5	54.3	1.58	24.68
27.0-28.0	70.2	3.6	57.8	1.62	26.29
28.0-29.0	69.3	3.6	61.5	1.65	27.94
29.0-30.0	68.3	3.7	65.2	1.68	29.62
30.0-31.0	67.4	3.8	68.9	1.71	31.33
31.0-32.0	66.5	3.8	72.7	1.73	33.06
32.0-33.0	65.6	3.9	76.6	1.76	34.82
33.0-34.0	64.7	3.9	80.5	1.78	36.60
34.0-35.0	63.8	4.0	84.5	1.80	38.40
35.0-36.0	62.9	4.0	88.5	1.82	40.22
36.0-37.0	62.0	4.0	92.5	1.84	42.06
37.0-38.0	61.1	4.1	96.6	1.85	43.91
38.0-39.0	60.1	4.1	100.7	1.87	45.77
39.0-40.0	59.2	4.1	104.8	1.88	47.65

Test Type : Type C Test Distance : 6.119 m C Plane (°): 0.0-360.0:45.0 γ (°) : 0.0-180.0:1.0
Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
Test By : P. Nellemose Review By :

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Zonal Flux

Gamma °	Imean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	58.3	4.2	109.0	1.89	49.54
41.0-42.0	57.4	4.2	113.1	1.90	51.43
42.0-43.0	56.5	4.2	117.3	1.90	53.34
43.0-44.0	55.6	4.2	121.5	1.91	55.24
44.0-45.0	54.7	4.2	125.7	1.91	57.16
45.0-46.0	53.9	4.2	129.9	1.92	59.07
46.0-47.0	53.1	4.2	134.2	1.92	60.99
47.0-48.0	52.2	4.2	138.4	1.92	62.91
48.0-49.0	51.5	4.2	142.6	1.92	64.83
49.0-50.0	50.7	4.2	146.8	1.92	66.75
50.0-51.0	49.8	4.2	151.1	1.92	68.67
51.0-52.0	49.0	4.2	155.3	1.91	70.58
52.0-53.0	48.1	4.2	159.4	1.90	72.48
53.0-54.0	47.2	4.2	163.6	1.89	74.37
54.0-55.0	46.2	4.1	167.7	1.87	76.25
55.0-56.0	45.1	4.1	171.8	1.85	78.10
56.0-57.0	44.0	4.0	175.8	1.83	79.93
57.0-58.0	42.8	4.0	179.8	1.80	81.73
58.0-59.0	41.5	3.9	183.7	1.76	83.49
59.0-60.0	40.0	3.8	187.4	1.72	85.21
60.0-61.0	38.2	3.6	191.1	1.66	86.86
61.0-62.0	36.0	3.5	194.6	1.58	88.44
62.0-63.0	33.6	3.3	197.8	1.48	89.93
63.0-64.0	30.9	3.0	200.8	1.38	91.30
64.0-65.0	28.1	2.8	203.6	1.26	92.57
65.0-66.0	25.1	2.5	206.1	1.14	93.70
66.0-67.0	21.9	2.2	208.3	1.00	94.71
67.0-68.0	18.6	1.9	210.2	0.86	95.56
68.0-69.0	15.4	1.6	211.8	0.71	96.28
69.0-70.0	12.5	1.3	213.1	0.58	96.86
70.0-71.0	9.9	1.0	214.1	0.47	97.33
71.0-72.0	7.7	0.8	214.9	0.36	97.69
72.0-73.0	5.9	0.6	215.5	0.28	97.97
73.0-74.0	4.7	0.5	216.0	0.23	98.20
74.0-75.0	3.7	0.4	216.4	0.18	98.37
75.0-76.0	2.9	0.3	216.7	0.14	98.51
76.0-77.0	2.3	0.2	217.0	0.11	98.62
77.0-78.0	1.7	0.2	217.1	0.08	98.71
78.0-79.0	1.3	0.1	217.3	0.07	98.78
79.0-80.0	1.0	0.1	217.4	0.05	98.82

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Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
Test By : P. Nellemose Review By :

Zonal Flux

Gamma °	Imean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
80.0-81.0	0.7	0.1	217.5	0.03	98.86
81.0-82.0	0.5	0.1	217.5	0.02	98.88
82.0-83.0	0.3	0.0	217.6	0.02	98.90
83.0-84.0	0.2	0.0	217.6	0.01	98.91
84.0-85.0	0.1	0.0	217.6	0.01	98.92
85.0-86.0	0.1	0.0	217.6	0.00	98.92
86.0-87.0	0.0	0.0	217.6	0.00	98.92
87.0-88.0	0.0	0.0	217.6	0.00	98.92
88.0-89.0	0.0	0.0	217.6	0.00	98.92
89.0-90.0	0.0	0.0	217.6	0.00	98.92
90.0-91.0	0.0	0.0	217.6	0.00	98.92
91.0-92.0	0.0	0.0	217.6	0.00	98.92
92.0-93.0	0.0	0.0	217.6	0.00	98.92
93.0-94.0	0.0	0.0	217.6	0.00	98.92
94.0-95.0	0.0	0.0	217.6	0.00	98.92
95.0-96.0	0.0	0.0	217.6	0.00	98.92
96.0-97.0	0.0	0.0	217.6	0.00	98.92
97.0-98.0	0.0	0.0	217.6	0.00	98.92
98.0-99.0	0.0	0.0	217.6	0.00	98.92
99.0-100.0	0.0	0.0	217.6	0.00	98.92
100.0-101.0	0.0	0.0	217.6	0.00	98.92
101.0-102.0	0.0	0.0	217.6	0.00	98.92
102.0-103.0	0.0	0.0	217.6	0.00	98.92
103.0-104.0	0.0	0.0	217.6	0.00	98.92
104.0-105.0	0.0	0.0	217.6	0.00	98.92
105.0-106.0	0.1	0.0	217.6	0.00	98.92
106.0-107.0	0.1	0.0	217.6	0.00	98.93
107.0-108.0	0.1	0.0	217.6	0.01	98.93
108.0-109.0	0.2	0.0	217.6	0.01	98.94
109.0-110.0	0.2	0.0	217.7	0.01	98.95
110.0-111.0	0.2	0.0	217.7	0.01	98.96
111.0-112.0	0.3	0.0	217.7	0.01	98.97
112.0-113.0	0.3	0.0	217.7	0.01	98.99
113.0-114.0	0.3	0.0	217.8	0.01	99.00
114.0-115.0	0.3	0.0	217.8	0.02	99.02
115.0-116.0	0.4	0.0	217.9	0.02	99.03
116.0-117.0	0.4	0.0	217.9	0.02	99.05
117.0-118.0	0.4	0.0	217.9	0.02	99.07
118.0-119.0	0.4	0.0	218.0	0.02	99.09
119.0-120.0	0.4	0.0	218.0	0.02	99.11

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Zonal Flux

Gamma °	Imean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
120.0-121.0	0.5	0.0	218.1	0.02	99.13
121.0-122.0	0.5	0.0	218.1	0.02	99.15
122.0-123.0	0.5	0.0	218.1	0.02	99.17
123.0-124.0	0.5	0.0	218.2	0.02	99.19
124.0-125.0	0.5	0.0	218.2	0.02	99.21
125.0-126.0	0.5	0.0	218.3	0.02	99.23
126.0-127.0	0.6	0.0	218.3	0.02	99.26
127.0-128.0	0.6	0.0	218.4	0.02	99.28
128.0-129.0	0.6	0.0	218.4	0.02	99.30
129.0-130.0	0.6	0.0	218.5	0.02	99.32
130.0-131.0	0.6	0.0	218.5	0.02	99.35
131.0-132.0	0.6	0.0	218.6	0.02	99.37
132.0-133.0	0.6	0.0	218.6	0.02	99.39
133.0-134.0	0.6	0.0	218.7	0.02	99.41
134.0-135.0	0.6	0.0	218.7	0.02	99.43
135.0-136.0	0.6	0.0	218.8	0.02	99.45
136.0-137.0	0.6	0.0	218.8	0.02	99.48
137.0-138.0	0.6	0.0	218.9	0.02	99.50
138.0-139.0	0.6	0.0	218.9	0.02	99.52
139.0-140.0	0.6	0.0	219.0	0.02	99.54
140.0-141.0	0.6	0.0	219.0	0.02	99.56
141.0-142.0	0.6	0.0	219.0	0.02	99.58
142.0-143.0	0.6	0.0	219.1	0.02	99.60
143.0-144.0	0.7	0.0	219.1	0.02	99.62
144.0-145.0	0.7	0.0	219.2	0.02	99.64
145.0-146.0	0.7	0.0	219.2	0.02	99.65
146.0-147.0	0.7	0.0	219.3	0.02	99.67
147.0-148.0	0.7	0.0	219.3	0.02	99.69
148.0-149.0	0.7	0.0	219.3	0.02	99.71
149.0-150.0	0.7	0.0	219.4	0.02	99.72
150.0-151.0	0.7	0.0	219.4	0.02	99.74
151.0-152.0	0.7	0.0	219.4	0.02	99.76
152.0-153.0	0.7	0.0	219.5	0.02	99.77
153.0-154.0	0.7	0.0	219.5	0.02	99.79
154.0-155.0	0.7	0.0	219.5	0.01	99.80
155.0-156.0	0.7	0.0	219.6	0.01	99.82
156.0-157.0	0.7	0.0	219.6	0.01	99.83
157.0-158.0	0.7	0.0	219.6	0.01	99.84
158.0-159.0	0.7	0.0	219.7	0.01	99.86
159.0-160.0	0.7	0.0	219.7	0.01	99.87

Test Type : Type C Test Distance : 6.119 m C Plane (°): 0.0-360.0:45.0 γ (°) : 0.0-180.0:1.0
Test Device : Lisun LSG-1700B Temperature : 23.0°C Humidity : 75.0%
Test Lab :
Test By : P. Nellemose Review By :

Zonal Flux

Gamma °	Imean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
160.0-161.0	0.7	0.0	219.7	0.01	99.88
161.0-162.0	0.7	0.0	219.7	0.01	99.89
162.0-163.0	0.7	0.0	219.8	0.01	99.90
163.0-164.0	0.7	0.0	219.8	0.01	99.91
164.0-165.0	0.7	0.0	219.8	0.01	99.92
165.0-166.0	0.7	0.0	219.8	0.01	99.93
166.0-167.0	0.8	0.0	219.8	0.01	99.94
167.0-168.0	0.8	0.0	219.9	0.01	99.95
168.0-169.0	0.8	0.0	219.9	0.01	99.96
169.0-170.0	0.8	0.0	219.9	0.01	99.96
170.0-171.0	0.8	0.0	219.9	0.01	99.97
171.0-172.0	0.8	0.0	219.9	0.01	99.98
172.0-173.0	0.8	0.0	219.9	0.01	99.98
173.0-174.0	0.8	0.0	219.9	0.00	99.99
174.0-175.0	0.8	0.0	220.0	0.00	99.99
175.0-176.0	0.8	0.0	220.0	0.00	99.99
176.0-177.0	0.8	0.0	220.0	0.00	100.00
177.0-178.0	0.9	0.0	220.0	0.00	100.00
178.0-179.0	0.9	0.0	220.0	0.00	100.00
179.0-180.0	0.9	0.0	220.0	0.00	100.00