

Nuura Goniophotometer Test Report

Product Info

Luminaire : **Miira Wall Outdoor / opal**

Lamp : **G9 E3light LED, 1.5W / 100 Lumen**

Manufacturer : **Nuura**

Nuber of Lamps : **1**

Lumens per Lamp : **0 lm**

Luminous Length : **200 mm**

Luminous Width : **0 mm**

Luminous Height : **355 mm**

Electric Parameters

Voltage : **230.90 V** Current : **0.0120 A** Power : **1.46 W** Power Factor : **0.532** Frequency : **50.00 Hz**

Photometric Parameters

CIE Class : **General Diffuse**

Measurement Flux : **91.9 lm**

Upward Ratio : **47.38 %**

Maximum Intensity : **8.67 cd**

Central Intensity : **6.87 cd**

Luminaire Efficacy Rating (LER) : **63**

Beam Angle (C0-C180,C90-C270) : **327.1 °, 315.2 °**

Field Angle (C0-C180,C90-C270) : **360.0 °, 360.0 °**

Total Rated Lamp Lumens : **91.9 lm**

Efficiency : **100.00 %**

Downward Ratio : **52.62 %**

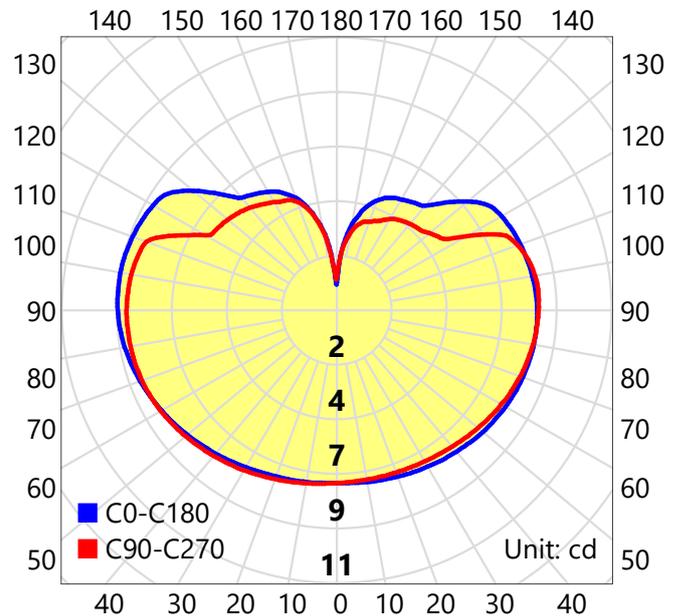
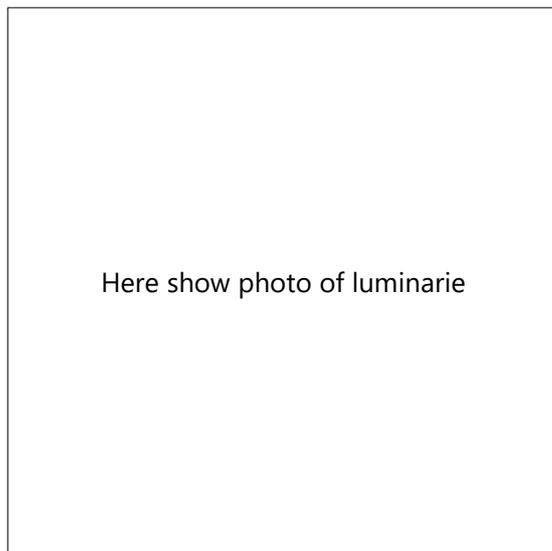
Position Of Maximum Intensity : **C180° γ99°**

S/MH(C0-C180,C90-C270) : **1.63, 1.61**

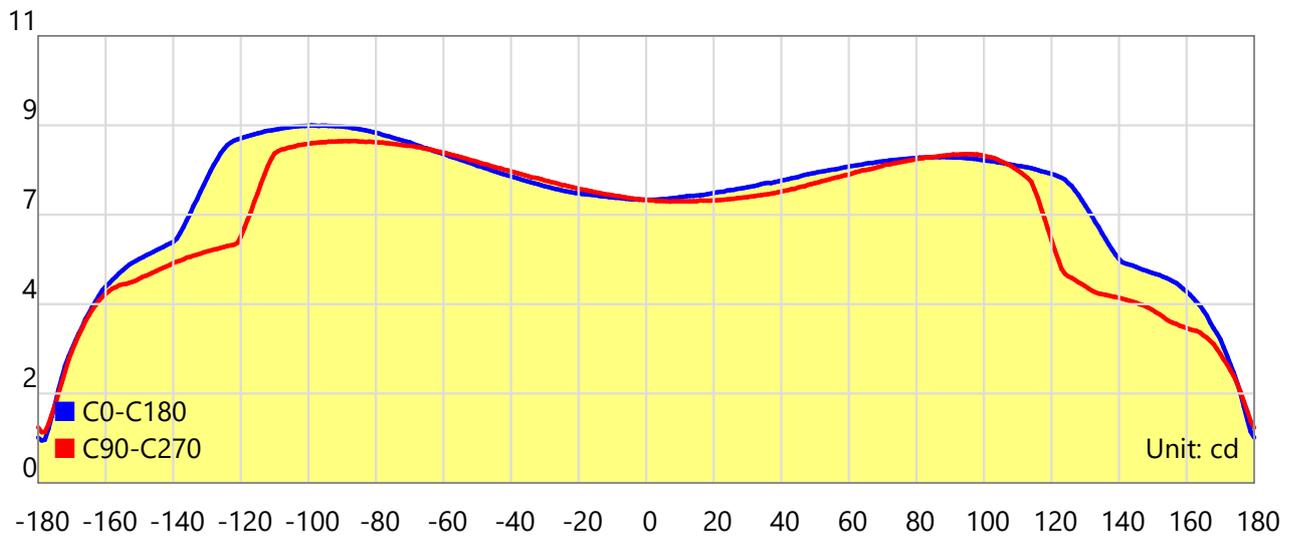
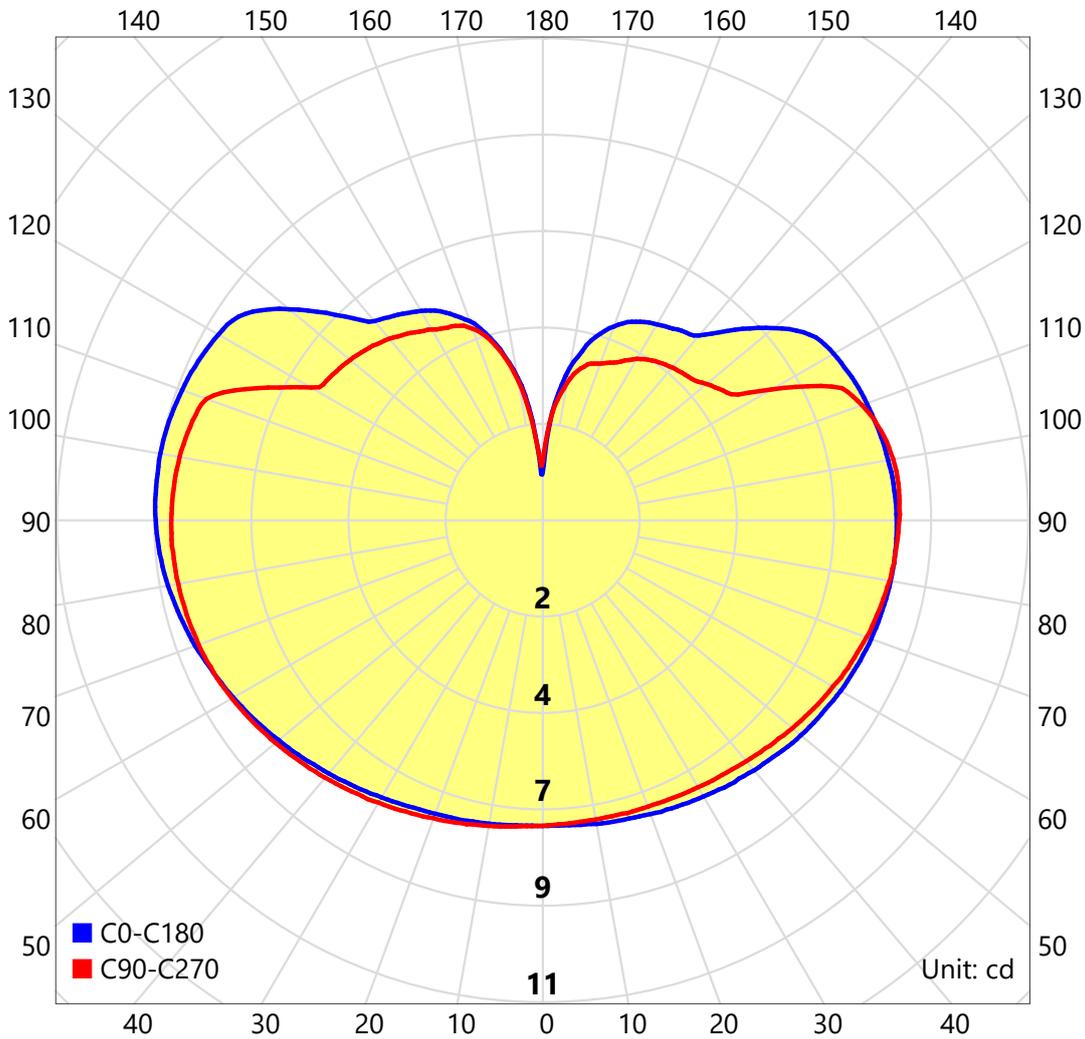
Energy Efficiency Class : **G (EU 2019/2015 η_{TM}:63lm/W)**

Beam Angle (C45-C225,C135-C315) : **320.7 °, 321.7 °**

Field Angle (C45-C225,C135-C315) : **360.0 °, 360.0 °**



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

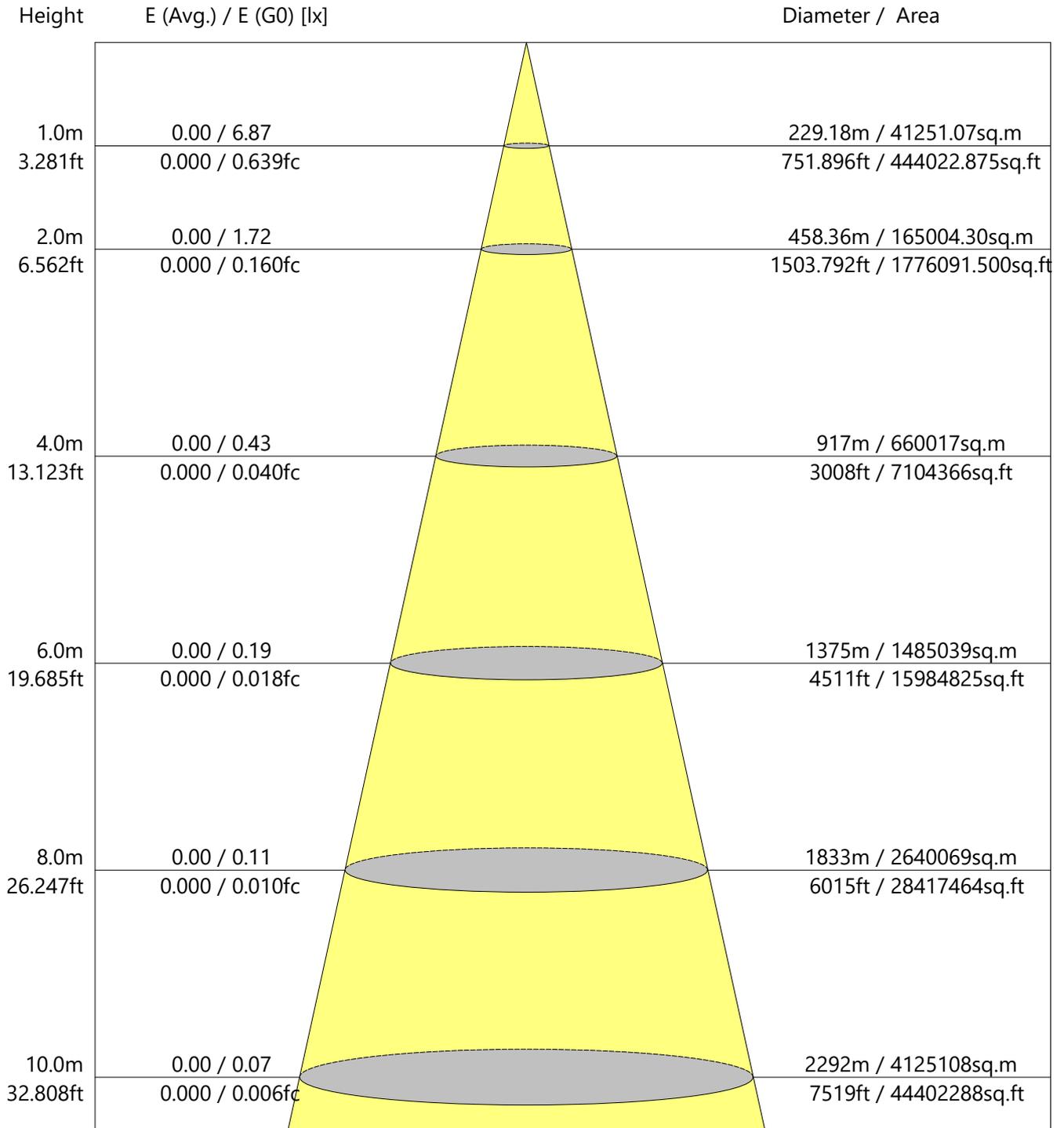
Humidity: 75.0%

Test Lab:

Test By: P. Nellemose

Review By:

Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 91.12lm

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 °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
0.0-1.0	6.9	0.0	0.0	0.01	0.01
1.0-2.0	6.9	0.0	0.0	0.02	0.03
2.0-3.0	6.9	0.0	0.1	0.04	0.06
3.0-4.0	6.9	0.0	0.1	0.05	0.11
4.0-5.0	6.9	0.1	0.2	0.06	0.18
5.0-6.0	6.9	0.1	0.2	0.08	0.26
6.0-7.0	6.9	0.1	0.3	0.09	0.35
7.0-8.0	6.9	0.1	0.4	0.11	0.46
8.0-9.0	6.9	0.1	0.5	0.12	0.58
9.0-10.0	6.9	0.1	0.7	0.14	0.72
10.0-11.0	6.9	0.1	0.8	0.15	0.87
11.0-12.0	6.9	0.2	0.9	0.16	1.03
12.0-13.0	6.9	0.2	1.1	0.18	1.21
13.0-14.0	6.9	0.2	1.3	0.19	1.40
14.0-15.0	7.0	0.2	1.5	0.21	1.61
15.0-16.0	7.0	0.2	1.7	0.22	1.83
16.0-17.0	7.0	0.2	1.9	0.24	2.07
17.0-18.0	7.0	0.2	2.1	0.25	2.32
18.0-19.0	7.0	0.2	2.4	0.26	2.59
19.0-20.0	7.0	0.3	2.6	0.28	2.87
20.0-21.0	7.0	0.3	2.9	0.29	3.16
21.0-22.0	7.0	0.3	3.2	0.31	3.47
22.0-23.0	7.0	0.3	3.5	0.32	3.79
23.0-24.0	7.1	0.3	3.8	0.34	4.12
24.0-25.0	7.1	0.3	4.1	0.35	4.47
25.0-26.0	7.1	0.3	4.4	0.36	4.84
26.0-27.0	7.1	0.3	4.8	0.38	5.21
27.0-28.0	7.1	0.4	5.2	0.39	5.61
28.0-29.0	7.1	0.4	5.5	0.41	6.01
29.0-30.0	7.1	0.4	5.9	0.42	6.43
30.0-31.0	7.2	0.4	6.3	0.43	6.87
31.0-32.0	7.2	0.4	6.7	0.45	7.31
32.0-33.0	7.2	0.4	7.1	0.46	7.78
33.0-34.0	7.2	0.4	7.6	0.48	8.25
34.0-35.0	7.2	0.4	8.0	0.49	8.74
35.0-36.0	7.3	0.5	8.5	0.50	9.24
36.0-37.0	7.3	0.5	9.0	0.52	9.76
37.0-38.0	7.3	0.5	9.5	0.53	10.29
38.0-39.0	7.3	0.5	10.0	0.54	10.83
39.0-40.0	7.3	0.5	10.5	0.56	11.39

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 °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	7.4	0.5	11.0	0.57	11.96
41.0-42.0	7.4	0.5	11.5	0.58	12.54
42.0-43.0	7.4	0.5	12.1	0.60	13.13
43.0-44.0	7.4	0.6	12.6	0.61	13.74
44.0-45.0	7.4	0.6	13.2	0.62	14.37
45.0-46.0	7.5	0.6	13.8	0.63	15.00
46.0-47.0	7.5	0.6	14.4	0.65	15.65
47.0-48.0	7.5	0.6	15.0	0.66	16.31
48.0-49.0	7.5	0.6	15.6	0.67	16.98
49.0-50.0	7.5	0.6	16.2	0.68	17.66
50.0-51.0	7.6	0.6	16.9	0.70	18.36
51.0-52.0	7.6	0.7	17.5	0.71	19.07
52.0-53.0	7.6	0.7	18.2	0.72	19.79
53.0-54.0	7.6	0.7	18.9	0.73	20.52
54.0-55.0	7.7	0.7	19.5	0.74	21.27
55.0-56.0	7.7	0.7	20.2	0.76	22.02
56.0-57.0	7.7	0.7	20.9	0.77	22.79
57.0-58.0	7.7	0.7	21.7	0.78	23.56
58.0-59.0	7.7	0.7	22.4	0.79	24.35
59.0-60.0	7.8	0.7	23.1	0.80	25.15
60.0-61.0	7.8	0.7	23.9	0.81	25.96
61.0-62.0	7.8	0.8	24.6	0.82	26.78
62.0-63.0	7.8	0.8	25.4	0.83	27.61
63.0-64.0	7.9	0.8	26.1	0.84	28.45
64.0-65.0	7.9	0.8	26.9	0.85	29.29
65.0-66.0	7.9	0.8	27.7	0.86	30.15
66.0-67.0	7.9	0.8	28.5	0.87	31.02
67.0-68.0	7.9	0.8	29.3	0.87	31.89
68.0-69.0	7.9	0.8	30.1	0.88	32.77
69.0-70.0	8.0	0.8	30.9	0.89	33.66
70.0-71.0	8.0	0.8	31.8	0.90	34.56
71.0-72.0	8.0	0.8	32.6	0.90	35.46
72.0-73.0	8.0	0.8	33.4	0.91	36.38
73.0-74.0	8.0	0.8	34.3	0.92	37.29
74.0-75.0	8.0	0.9	35.1	0.93	38.22
75.0-76.0	8.1	0.9	36.0	0.93	39.15
76.0-77.0	8.1	0.9	36.8	0.94	40.09
77.0-78.0	8.1	0.9	37.7	0.94	41.03
78.0-79.0	8.1	0.9	38.6	0.95	41.98
79.0-80.0	8.1	0.9	39.5	0.95	42.93

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 °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
80.0-81.0	8.1	0.9	40.3	0.96	43.89
81.0-82.0	8.1	0.9	41.2	0.96	44.85
82.0-83.0	8.1	0.9	42.1	0.96	45.81
83.0-84.0	8.2	0.9	43.0	0.97	46.78
84.0-85.0	8.2	0.9	43.9	0.97	47.75
85.0-86.0	8.2	0.9	44.8	0.97	48.72
86.0-87.0	8.2	0.9	45.7	0.97	49.69
87.0-88.0	8.2	0.9	46.6	0.98	50.67
88.0-89.0	8.2	0.9	47.5	0.98	51.64
89.0-90.0	8.2	0.9	48.4	0.98	52.62
90.0-91.0	8.2	0.9	49.3	0.98	53.60
91.0-92.0	8.2	0.9	50.2	0.98	54.58
92.0-93.0	8.2	0.9	51.1	0.98	55.56
93.0-94.0	8.2	0.9	52.0	0.98	56.53
94.0-95.0	8.2	0.9	52.9	0.98	57.51
95.0-96.0	8.2	0.9	53.8	0.97	58.48
96.0-97.0	8.2	0.9	54.6	0.97	59.45
97.0-98.0	8.2	0.9	55.5	0.97	60.42
98.0-99.0	8.2	0.9	56.4	0.97	61.39
99.0-100.0	8.2	0.9	57.3	0.96	62.35
100.0-101.0	8.2	0.9	58.2	0.96	63.31
101.0-102.0	8.2	0.9	59.1	0.95	64.26
102.0-103.0	8.2	0.9	59.9	0.95	65.21
103.0-104.0	8.1	0.9	60.8	0.94	66.16
104.0-105.0	8.1	0.9	61.7	0.94	67.10
105.0-106.0	8.1	0.9	62.5	0.93	68.03
106.0-107.0	8.1	0.9	63.4	0.93	68.95
107.0-108.0	8.1	0.8	64.2	0.92	69.87
108.0-109.0	8.0	0.8	65.1	0.91	70.78
109.0-110.0	8.0	0.8	65.9	0.90	71.68
110.0-111.0	8.0	0.8	66.7	0.89	72.58
111.0-112.0	7.9	0.8	67.5	0.88	73.46
112.0-113.0	7.9	0.8	68.3	0.87	74.33
113.0-114.0	7.8	0.8	69.1	0.86	75.19
114.0-115.0	7.8	0.8	69.9	0.84	76.03
115.0-116.0	7.7	0.8	70.6	0.83	76.86
116.0-117.0	7.6	0.7	71.4	0.81	77.68
117.0-118.0	7.5	0.7	72.1	0.80	78.47
118.0-119.0	7.5	0.7	72.8	0.78	79.26
119.0-120.0	7.4	0.7	73.6	0.77	80.02

Test Type : Type C Test Distance : 6.119 m
Test Device : Lisun LSG-1700B
Test Lab :
Test By : P. Nellemose

C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0
Temperature : 23.0°C Humidity : 75.0%
Review By :

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
120.0-121.0	7.3	0.7	74.2	0.75	80.77
121.0-122.0	7.2	0.7	74.9	0.74	81.51
122.0-123.0	7.2	0.7	75.6	0.72	82.23
123.0-124.0	7.1	0.7	76.2	0.71	82.94
124.0-125.0	7.1	0.6	76.9	0.69	83.63
125.0-126.0	7.0	0.6	77.5	0.68	84.31
126.0-127.0	6.9	0.6	78.1	0.67	84.98
127.0-128.0	6.9	0.6	78.7	0.65	85.63
128.0-129.0	6.8	0.6	79.3	0.64	86.26
129.0-130.0	6.7	0.6	79.9	0.62	86.88
130.0-131.0	6.7	0.6	80.4	0.60	87.49
131.0-132.0	6.6	0.5	81.0	0.59	88.08
132.0-133.0	6.5	0.5	81.5	0.57	88.65
133.0-134.0	6.4	0.5	82.0	0.56	89.20
134.0-135.0	6.3	0.5	82.5	0.54	89.74
135.0-136.0	6.3	0.5	83.0	0.52	90.27
136.0-137.0	6.2	0.5	83.4	0.51	90.77
137.0-138.0	6.1	0.5	83.9	0.49	91.26
138.0-139.0	6.0	0.4	84.3	0.48	91.74
139.0-140.0	5.9	0.4	84.7	0.46	92.20
140.0-141.0	5.9	0.4	85.2	0.45	92.64
141.0-142.0	5.8	0.4	85.5	0.43	93.08
142.0-143.0	5.8	0.4	85.9	0.42	93.49
143.0-144.0	5.7	0.4	86.3	0.41	93.90
144.0-145.0	5.7	0.4	86.7	0.39	94.29
145.0-146.0	5.6	0.3	87.0	0.38	94.67
146.0-147.0	5.6	0.3	87.4	0.37	95.04
147.0-148.0	5.5	0.3	87.7	0.35	95.39
148.0-149.0	5.5	0.3	88.0	0.34	95.74
149.0-150.0	5.4	0.3	88.3	0.33	96.06
150.0-151.0	5.4	0.3	88.6	0.32	96.38
151.0-152.0	5.3	0.3	88.9	0.30	96.68
152.0-153.0	5.2	0.3	89.1	0.29	96.97
153.0-154.0	5.2	0.3	89.4	0.27	97.24
154.0-155.0	5.1	0.2	89.6	0.26	97.50
155.0-156.0	5.0	0.2	89.8	0.25	97.75
156.0-157.0	4.9	0.2	90.1	0.23	97.98
157.0-158.0	4.7	0.2	90.3	0.22	98.20
158.0-159.0	4.6	0.2	90.4	0.20	98.40
159.0-160.0	4.5	0.2	90.6	0.19	98.59

Test Type : Type C Test Distance : 6.119 m
Test Device : Lisun LSG-1700B
Test Lab :
Test By : P. Nellemose

C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0
Temperature : 23.0°C Humidity : 75.0%
Review By :

Zonal Flux

Gamma °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
160.0-161.0	4.3	0.2	90.8	0.17	98.76
161.0-162.0	4.2	0.1	90.9	0.16	98.92
162.0-163.0	4.1	0.1	91.1	0.15	99.06
163.0-164.0	3.9	0.1	91.2	0.13	99.20
164.0-165.0	3.8	0.1	91.3	0.12	99.32
165.0-166.0	3.6	0.1	91.4	0.11	99.42
166.0-167.0	3.5	0.1	91.5	0.10	99.52
167.0-168.0	3.3	0.1	91.6	0.09	99.61
168.0-169.0	3.2	0.1	91.6	0.08	99.68
169.0-170.0	3.1	0.1	91.7	0.07	99.75
170.0-171.0	2.9	0.1	91.7	0.06	99.81
171.0-172.0	2.8	0.0	91.8	0.05	99.86
172.0-173.0	2.6	0.0	91.8	0.04	99.90
173.0-174.0	2.4	0.0	91.8	0.03	99.93
174.0-175.0	2.2	0.0	91.9	0.02	99.96
175.0-176.0	2.0	0.0	91.9	0.02	99.97
176.0-177.0	1.7	0.0	91.9	0.01	99.99
177.0-178.0	1.5	0.0	91.9	0.01	99.99
178.0-179.0	1.4	0.0	91.9	0.00	100.00
179.0-180.0	1.3	0.0	91.9	0.00	100.00