

Nuura Goniophotometer Test Report

Product Info

Luminaire: **Miira Wall Outdoor / optic clear**

Lamp: **G9 E3light LED, 6W / 550 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: **231.00 V** Current: **0.0290 A** Power: **5.85 W** Power Factor: **0.861** Frequency: **50.00 Hz**

Photometric Parameters

CIE Class: **General Diffuse**

Measurement Flux: **588.8 lm**

Upward Ratio: **41.92 %**

Maximum Intensity: **69.81 cd**

Central Intensity: **17.63 cd**

Luminaire Efficacy Rating (LER): **101**

Beam Angle (C0-C180,C90-C270): **258.2 °, 230.5 °**

Field Angle (C0-C180,C90-C270): **271.0 °, 233.7 °**

Total Rated Lamp Lumens: **588.8 lm**

Efficiency: **100.00 %**

Downward Ratio: **58.08 %**

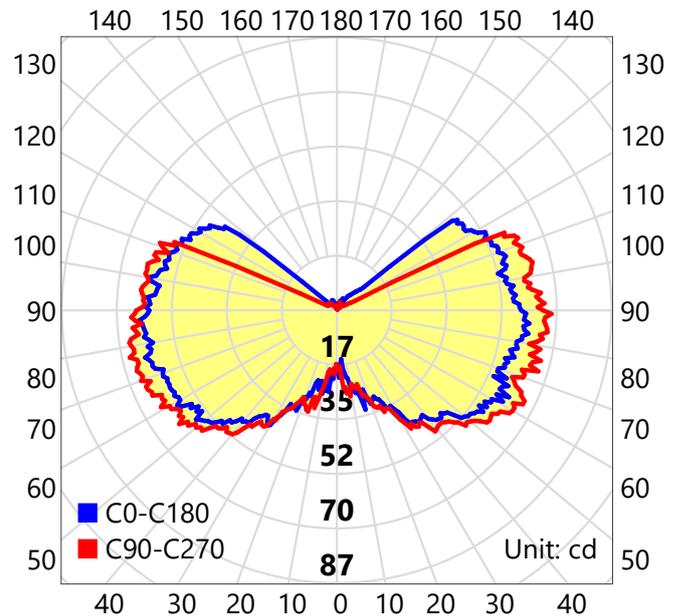
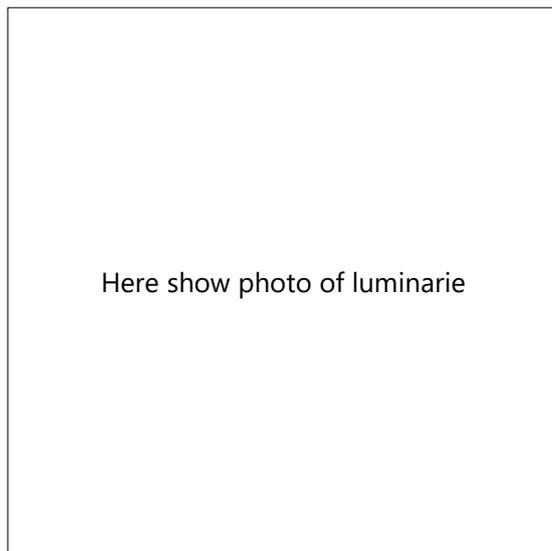
Position Of Maximum Intensity: **C135° γ102°**

S/MH(C0-C180,C90-C270): **3.12, 3.25**

Energy Efficiency Class: **F (EU 2019/2015 η_{TM}:101lm/W)**

Beam Angle (C45-C225,C135-C315): **287.8 °, 285.2 °**

Field Angle (C45-C225,C135-C315): **328.2 °, 327.9 °**



Test Type: Type C Test Distance: 6.119 m

Test Device: Lisun LSG-1700B

Test Lab:

Test By: P. Nellemose

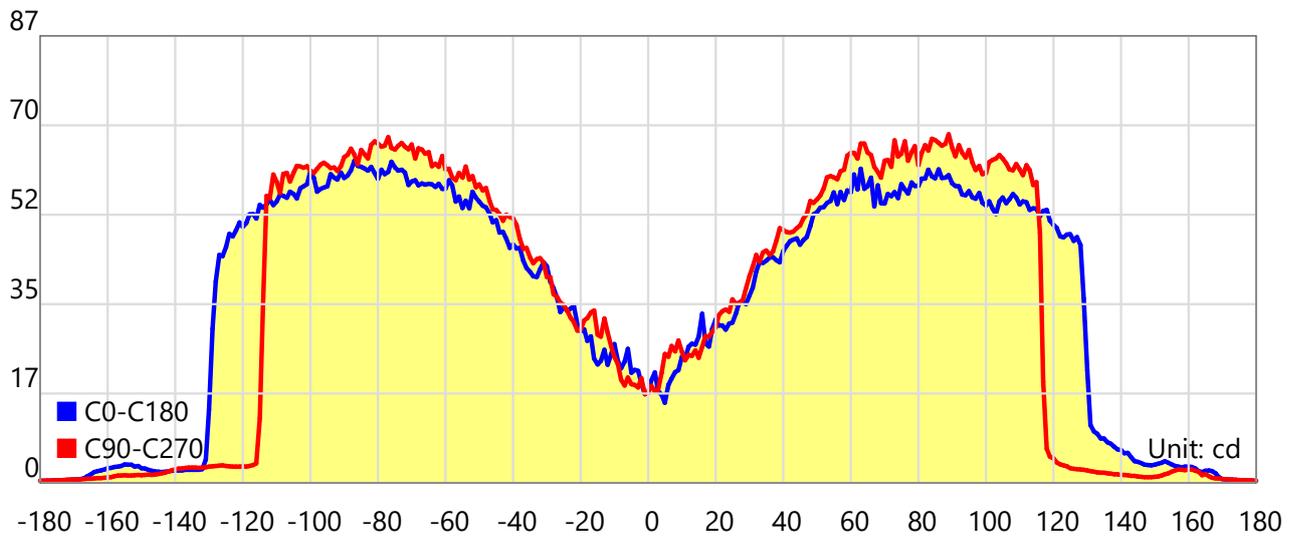
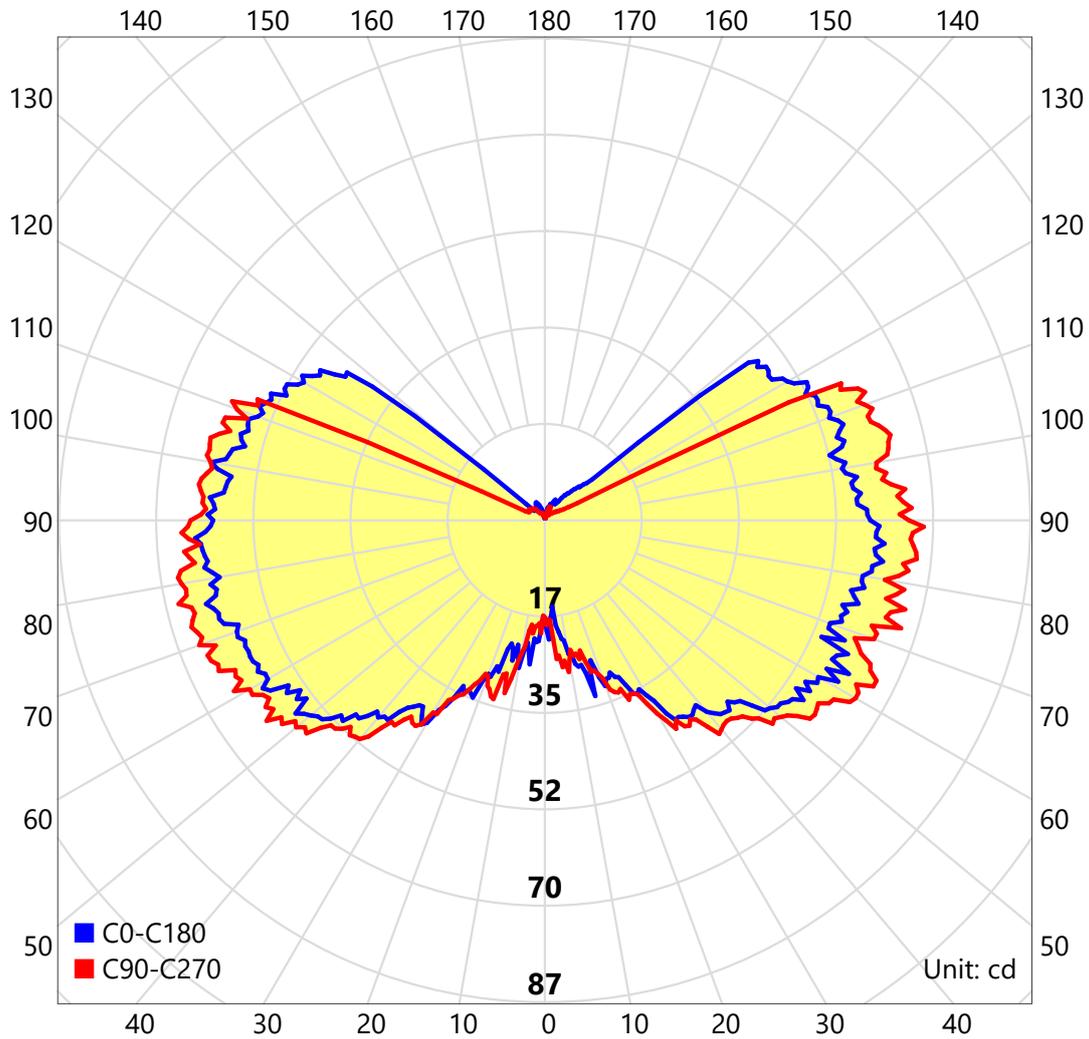
C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0

Temperature: 23.0°C

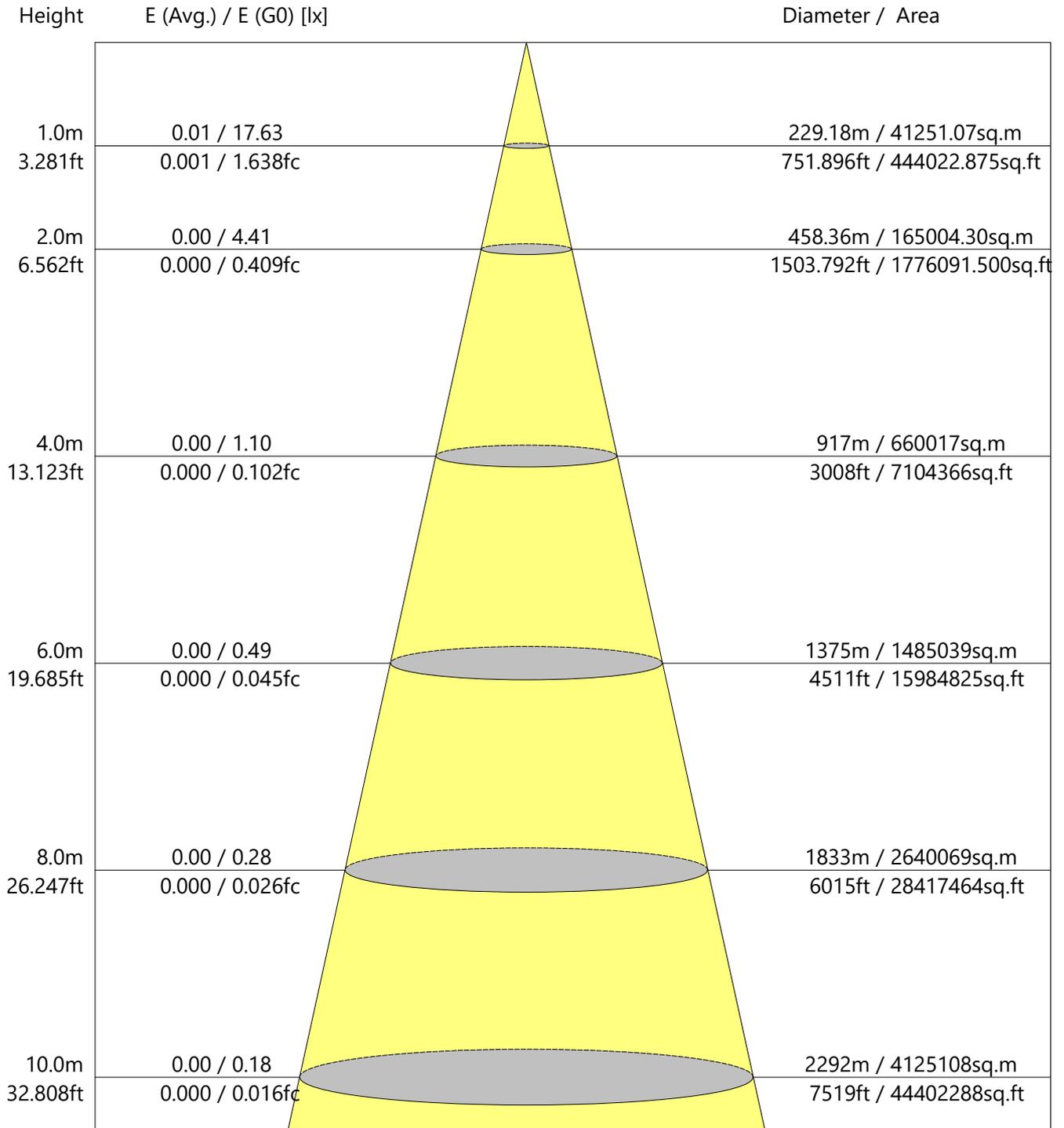
Humidity: 75.0%

Review By:

Light Distribution Curve



Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 552.31lm

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	17.9	0.0	0.0	0.00	0.00
1.0-2.0	18.7	0.1	0.1	0.01	0.01
2.0-3.0	19.0	0.1	0.2	0.02	0.03
3.0-4.0	19.7	0.1	0.3	0.02	0.05
4.0-5.0	20.6	0.2	0.5	0.03	0.08
5.0-6.0	21.3	0.2	0.7	0.04	0.12
6.0-7.0	22.2	0.3	1.0	0.05	0.16
7.0-8.0	22.8	0.3	1.3	0.06	0.22
8.0-9.0	23.3	0.4	1.7	0.06	0.28
9.0-10.0	24.5	0.4	2.1	0.08	0.36
10.0-11.0	25.2	0.5	2.6	0.09	0.45
11.0-12.0	25.4	0.6	3.2	0.09	0.54
12.0-13.0	26.2	0.6	3.8	0.11	0.65
13.0-14.0	26.3	0.7	4.5	0.11	0.76
14.0-15.0	26.0	0.7	5.2	0.12	0.88
15.0-16.0	26.9	0.8	6.0	0.13	1.01
16.0-17.0	28.1	0.9	6.8	0.15	1.16
17.0-18.0	28.4	0.9	7.8	0.16	1.32
18.0-19.0	28.8	1.0	8.8	0.17	1.49
19.0-20.0	29.8	1.1	9.9	0.18	1.68
20.0-21.0	30.4	1.2	11.0	0.20	1.88
21.0-22.0	31.0	1.2	12.3	0.21	2.09
22.0-23.0	31.7	1.3	13.6	0.23	2.31
23.0-24.0	32.6	1.4	15.0	0.24	2.56
24.0-25.0	33.7	1.5	16.6	0.26	2.82
25.0-26.0	34.8	1.6	18.2	0.28	3.09
26.0-27.0	35.7	1.7	20.0	0.30	3.39
27.0-28.0	36.5	1.8	21.8	0.31	3.70
28.0-29.0	37.2	1.9	23.8	0.33	4.03
29.0-30.0	38.4	2.1	25.8	0.35	4.39
30.0-31.0	39.6	2.2	28.0	0.37	4.76
31.0-32.0	40.6	2.3	30.4	0.40	5.16
32.0-33.0	41.4	2.4	32.8	0.41	5.57
33.0-34.0	42.0	2.5	35.3	0.43	6.00
34.0-35.0	42.3	2.6	38.0	0.45	6.45
35.0-36.0	42.8	2.7	40.7	0.46	6.91
36.0-37.0	44.3	2.9	43.6	0.49	7.40
37.0-38.0	45.8	3.1	46.6	0.52	7.92
38.0-39.0	47.3	3.2	49.9	0.55	8.47
39.0-40.0	48.7	3.4	53.3	0.58	9.05

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	49.6	3.5	56.8	0.60	9.65
41.0-42.0	50.2	3.6	60.4	0.62	10.27
42.0-43.0	50.7	3.8	64.2	0.64	10.90
43.0-44.0	51.0	3.9	68.1	0.65	11.56
44.0-45.0	51.4	4.0	72.0	0.67	12.23
45.0-46.0	52.2	4.1	76.1	0.69	12.92
46.0-47.0	53.2	4.2	80.3	0.72	13.64
47.0-48.0	54.5	4.4	84.7	0.75	14.39
48.0-49.0	55.3	4.5	89.3	0.77	15.16
49.0-50.0	55.7	4.6	93.9	0.79	15.95
50.0-51.0	55.9	4.7	98.6	0.80	16.75
51.0-52.0	56.2	4.8	103.5	0.82	17.57
52.0-53.0	56.5	4.9	108.4	0.84	18.41
53.0-54.0	56.4	5.0	113.4	0.84	19.25
54.0-55.0	56.5	5.0	118.4	0.86	20.11
55.0-56.0	56.3	5.1	123.5	0.86	20.97
56.0-57.0	56.7	5.2	128.7	0.88	21.85
57.0-58.0	57.2	5.3	134.0	0.90	22.75
58.0-59.0	58.0	5.4	139.4	0.92	23.67
59.0-60.0	58.9	5.6	145.0	0.95	24.62
60.0-61.0	59.6	5.7	150.6	0.97	25.59
61.0-62.0	60.1	5.8	156.4	0.98	26.57
62.0-63.0	60.6	5.9	162.3	1.00	27.57
63.0-64.0	61.2	6.0	168.3	1.02	28.59
64.0-65.0	61.5	6.1	174.4	1.03	29.62
65.0-66.0	62.0	6.2	180.6	1.05	30.68
66.0-67.0	62.0	6.2	186.8	1.06	31.73
67.0-68.0	62.0	6.3	193.1	1.07	32.80
68.0-69.0	62.0	6.3	199.5	1.07	33.88
69.0-70.0	62.0	6.4	205.8	1.08	34.96
70.0-71.0	62.9	6.5	212.3	1.10	36.06
71.0-72.0	63.2	6.6	218.9	1.12	37.18
72.0-73.0	63.7	6.7	225.6	1.13	38.31
73.0-74.0	64.3	6.8	232.3	1.15	39.46
74.0-75.0	63.8	6.7	239.1	1.14	40.60
75.0-76.0	63.9	6.8	245.8	1.15	41.75
76.0-77.0	64.1	6.8	252.7	1.16	42.92
77.0-78.0	63.6	6.8	259.5	1.16	44.07
78.0-79.0	63.6	6.8	266.3	1.16	45.23
79.0-80.0	63.5	6.9	273.2	1.16	46.40

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
80.0-81.0	63.2	6.8	280.0	1.16	47.56
81.0-82.0	63.3	6.9	286.9	1.17	48.72
82.0-83.0	63.4	6.9	293.8	1.17	49.89
83.0-84.0	63.0	6.9	300.6	1.17	51.06
84.0-85.0	63.1	6.9	307.5	1.17	52.23
85.0-86.0	63.5	6.9	314.5	1.18	53.41
86.0-87.0	63.0	6.9	321.4	1.17	54.58
87.0-88.0	62.8	6.9	328.3	1.17	55.75
88.0-89.0	62.9	6.9	335.1	1.17	56.92
89.0-90.0	62.0	6.8	341.9	1.15	58.08
90.0-91.0	61.1	6.7	348.6	1.14	59.21
91.0-92.0	60.9	6.7	355.3	1.13	60.35
92.0-93.0	60.5	6.6	362.0	1.13	61.47
93.0-94.0	60.2	6.6	368.5	1.12	62.59
94.0-95.0	60.4	6.6	375.1	1.12	63.71
95.0-96.0	60.5	6.6	381.7	1.12	64.83
96.0-97.0	60.3	6.6	388.3	1.12	65.95
97.0-98.0	60.4	6.6	394.9	1.11	67.06
98.0-99.0	60.9	6.6	401.5	1.12	68.19
99.0-100.0	61.5	6.7	408.1	1.13	69.31
100.0-101.0	61.9	6.7	414.8	1.13	70.45
101.0-102.0	62.1	6.7	421.5	1.13	71.58
102.0-103.0	62.0	6.6	428.1	1.13	72.71
103.0-104.0	61.3	6.5	434.6	1.11	73.82
104.0-105.0	61.2	6.5	441.1	1.10	74.92
105.0-106.0	61.1	6.5	447.6	1.10	76.02
106.0-107.0	60.1	6.3	453.9	1.07	77.09
107.0-108.0	60.1	6.3	460.2	1.07	78.16
108.0-109.0	60.2	6.3	466.5	1.06	79.22
109.0-110.0	59.2	6.1	472.6	1.04	80.26
110.0-111.0	58.8	6.0	478.6	1.03	81.29
111.0-112.0	58.9	6.0	484.6	1.02	82.31
112.0-113.0	57.8	5.9	490.5	1.00	83.30
113.0-114.0	55.5	5.6	496.1	0.95	84.25
114.0-115.0	52.5	5.2	501.3	0.89	85.14
115.0-116.0	49.2	4.9	506.2	0.83	85.97
116.0-117.0	45.5	4.5	510.6	0.76	86.73
117.0-118.0	42.5	4.1	514.8	0.70	87.43
118.0-119.0	40.8	3.9	518.7	0.67	88.10
119.0-120.0	39.9	3.8	522.5	0.65	88.74

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	39.2	3.7	526.2	0.63	89.37
121.0-122.0	38.4	3.6	529.8	0.61	89.98
122.0-123.0	37.5	3.5	533.3	0.59	90.57
123.0-124.0	37.0	3.4	536.7	0.58	91.15
124.0-125.0	36.7	3.3	540.0	0.56	91.71
125.0-126.0	35.8	3.2	543.2	0.54	92.25
126.0-127.0	35.1	3.1	546.3	0.53	92.78
127.0-128.0	34.6	3.0	549.3	0.51	93.29
128.0-129.0	32.5	2.8	552.1	0.47	93.76
129.0-130.0	28.9	2.4	554.5	0.42	94.18
130.0-131.0	25.6	2.1	556.7	0.36	94.54
131.0-132.0	23.6	1.9	558.6	0.33	94.87
132.0-133.0	22.9	1.9	560.4	0.32	95.19
133.0-134.0	22.6	1.8	562.2	0.31	95.49
134.0-135.0	22.2	1.7	564.0	0.29	95.78
135.0-136.0	21.7	1.7	565.6	0.28	96.07
136.0-137.0	21.2	1.6	567.2	0.27	96.34
137.0-138.0	20.6	1.5	568.8	0.26	96.60
138.0-139.0	20.1	1.5	570.2	0.25	96.85
139.0-140.0	19.7	1.4	571.6	0.24	97.09
140.0-141.0	19.3	1.3	573.0	0.23	97.32
141.0-142.0	19.0	1.3	574.3	0.22	97.54
142.0-143.0	18.6	1.2	575.5	0.21	97.75
143.0-144.0	18.1	1.2	576.7	0.20	97.95
144.0-145.0	17.7	1.1	577.8	0.19	98.14
145.0-146.0	17.3	1.1	578.9	0.18	98.32
146.0-147.0	16.5	1.0	579.9	0.17	98.49
147.0-148.0	15.9	0.9	580.8	0.16	98.65
148.0-149.0	15.3	0.9	581.7	0.15	98.80
149.0-150.0	14.7	0.8	582.5	0.14	98.94
150.0-151.0	14.0	0.8	583.3	0.13	99.07
151.0-152.0	13.3	0.7	584.0	0.12	99.18
152.0-153.0	12.5	0.6	584.6	0.11	99.29
153.0-154.0	11.5	0.6	585.2	0.10	99.39
154.0-155.0	10.3	0.5	585.7	0.08	99.47
155.0-156.0	9.4	0.4	586.1	0.07	99.54
156.0-157.0	8.7	0.4	586.5	0.06	99.61
157.0-158.0	8.2	0.3	586.8	0.06	99.67
158.0-159.0	7.7	0.3	587.1	0.05	99.72
159.0-160.0	7.0	0.3	587.4	0.05	99.76

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 °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
160.0-161.0	6.3	0.2	587.6	0.04	99.80
161.0-162.0	5.6	0.2	587.8	0.03	99.84
162.0-163.0	4.7	0.2	588.0	0.03	99.86
163.0-164.0	4.0	0.1	588.1	0.02	99.88
164.0-165.0	3.9	0.1	588.2	0.02	99.90
165.0-166.0	4.3	0.1	588.3	0.02	99.92
166.0-167.0	4.4	0.1	588.5	0.02	99.94
167.0-168.0	4.3	0.1	588.6	0.02	99.96
168.0-169.0	3.8	0.1	588.6	0.01	99.97
169.0-170.0	3.0	0.1	588.7	0.01	99.98
170.0-171.0	2.1	0.0	588.7	0.01	99.99
171.0-172.0	1.3	0.0	588.8	0.00	99.99
172.0-173.0	0.8	0.0	588.8	0.00	100.00
173.0-174.0	0.6	0.0	588.8	0.00	100.00
174.0-175.0	0.6	0.0	588.8	0.00	100.00
175.0-176.0	0.5	0.0	588.8	0.00	100.00
176.0-177.0	0.5	0.0	588.8	0.00	100.00
177.0-178.0	0.5	0.0	588.8	0.00	100.00
178.0-179.0	0.5	0.0	588.8	0.00	100.00
179.0-180.0	0.5	0.0	588.8	0.00	100.00