

Nuura Goniophotometer Test Report

Product Info

Luminaire : **Miira Wall Outdoor / opal**

Lamp : **G9 E3light LED, 3.5W / 250 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 : **0.0190 A** Power : **3.55 W** Power Factor : **0.796** Frequency : **50.00 Hz**

Photometric Parameters

CIE Class : **General Diffuse**

Measurement Flux : **231.3 lm**

Upward Ratio : **51.45 %**

Maximum Intensity : **23.01 cd**

Central Intensity : **14.25 cd**

Luminaire Efficacy Rating (LER) : **65**

Beam Angle (C0-C180,C90-C270) : **334.2 °, 332.7 °**

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

Total Rated Lamp Lumens : **231.3 lm**

Efficiency : **100.00 %**

Downward Ratio : **48.55 %**

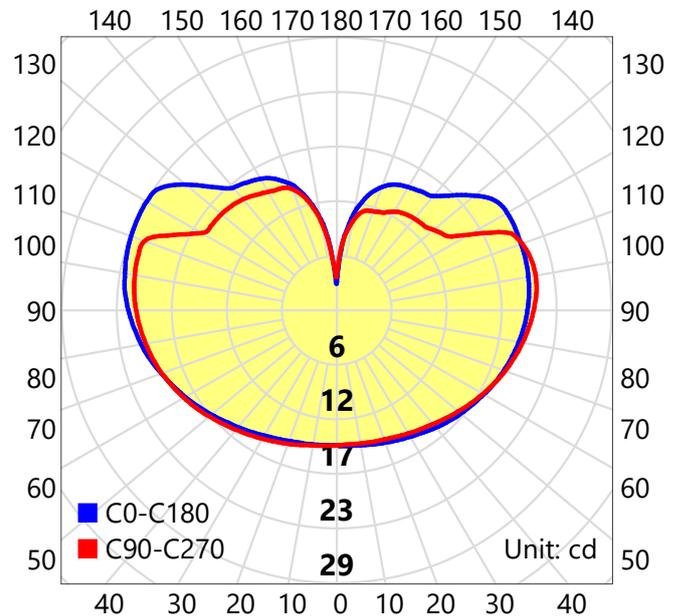
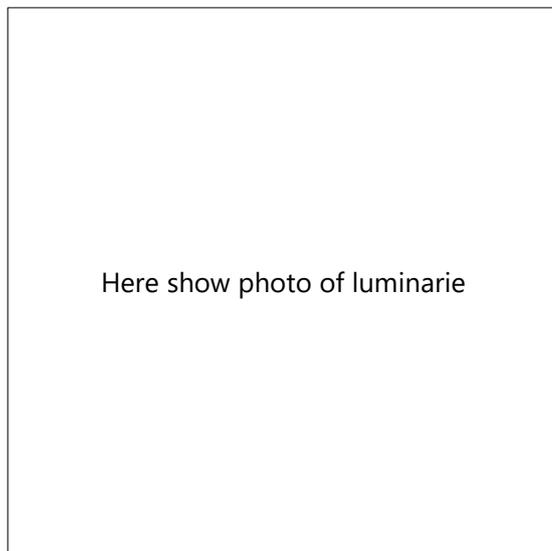
Position Of Maximum Intensity : **C180° γ118°**

S/MH(C0-C180,C90-C270) : **1.71, 1.70**

Energy Efficiency Class : **G (EU 2019/2015 η_{TM}:65lm/W)**

Beam Angle (C45-C225,C135-C315) : **325.2 °, 325.7 °**

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



Test Type : Type C Test Distance : 6.119 m

Test Device : Lisun LSG-1700B

Test Lab :

Test By : P. Nellemose

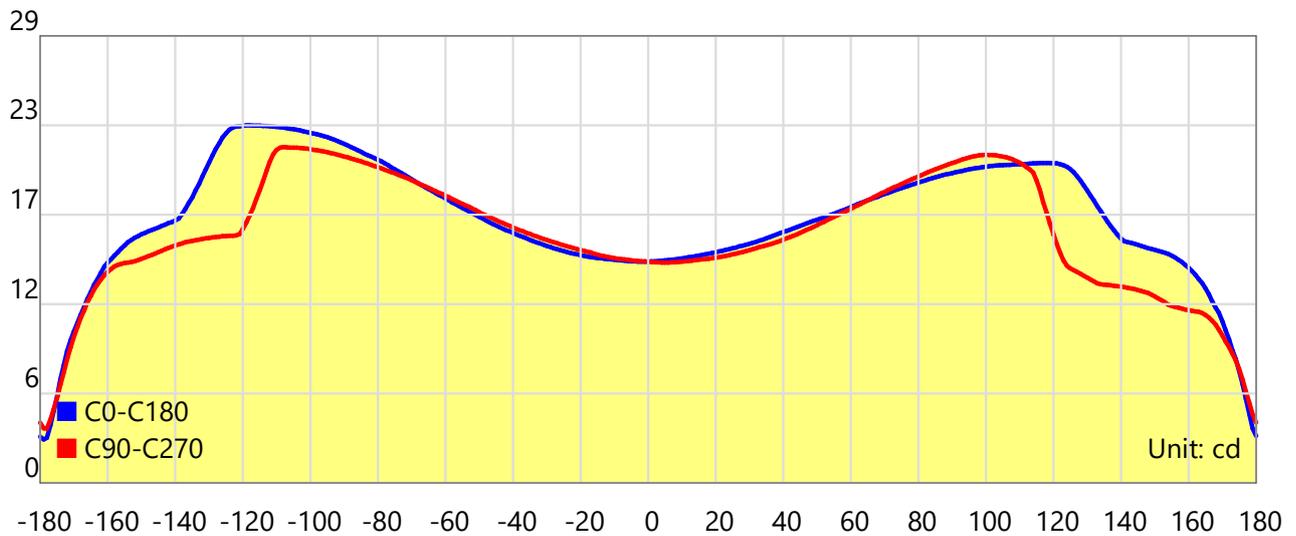
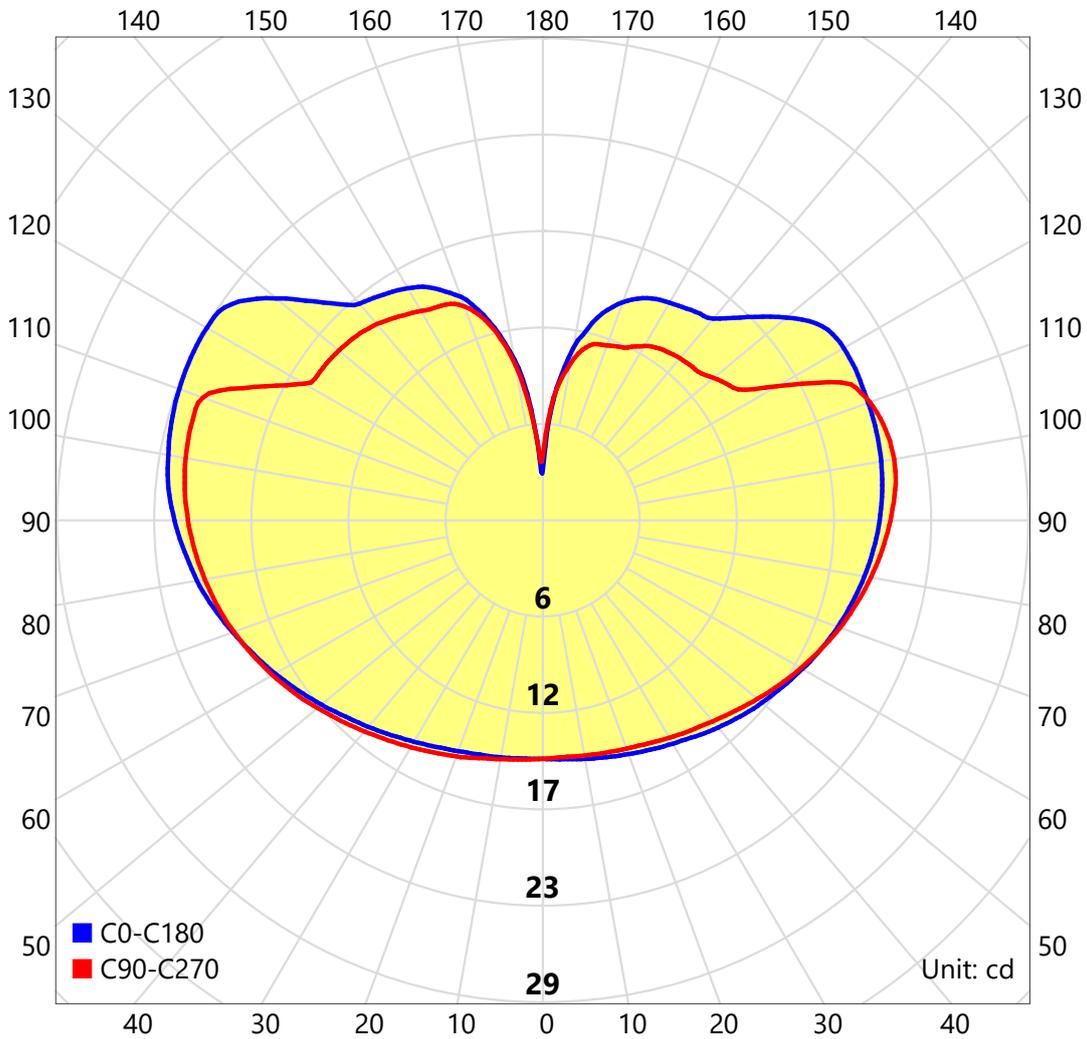
C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0

Temperature : 23.0°C

Humidity : 75.0%

Review By :

Light Distribution Curve



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

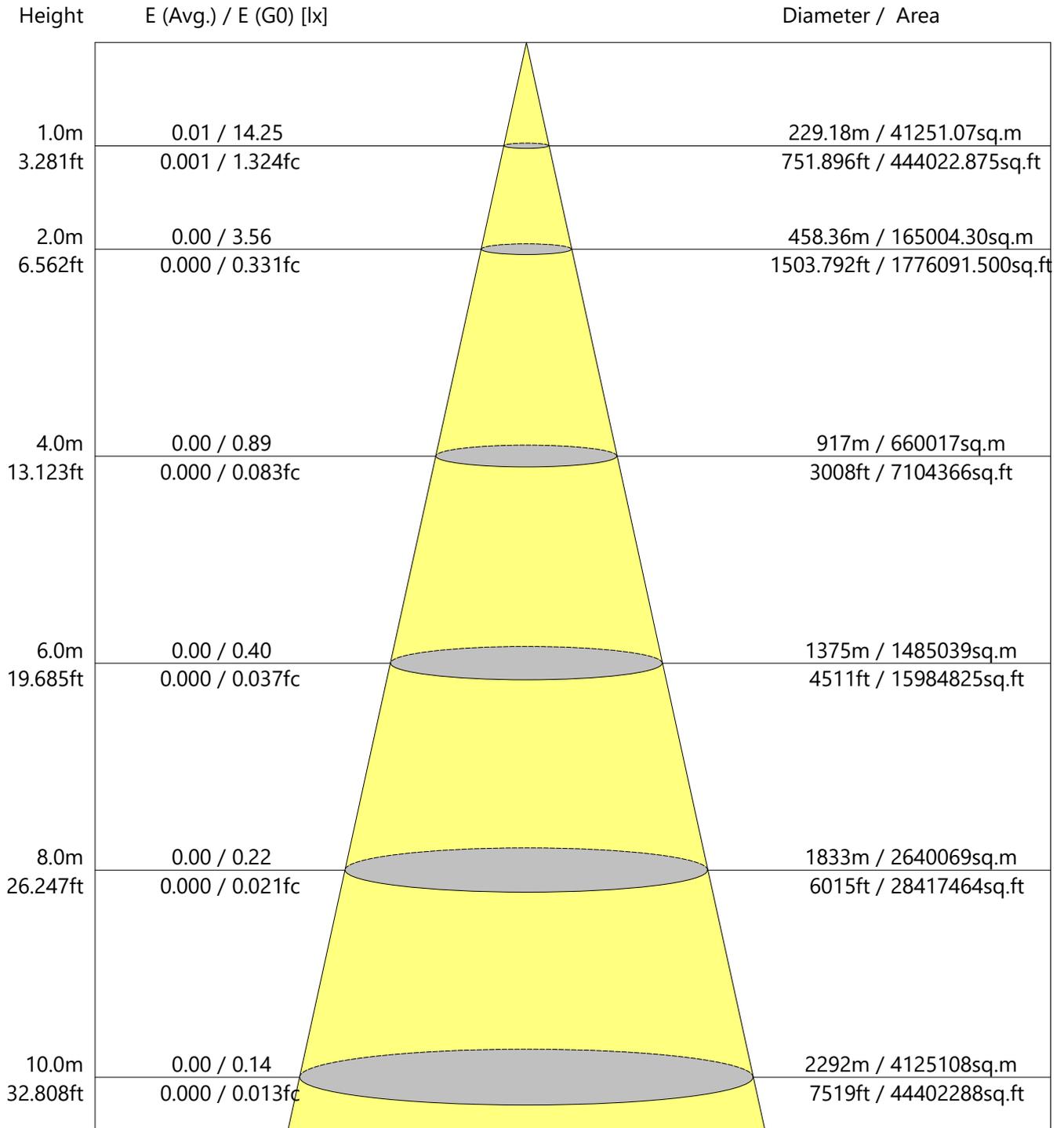
Humidity : 75.0%

Test Lab :

Test By : P. Nellemose

Review By :

Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 229.98lm

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	14.2	0.0	0.0	0.01	0.01
1.0-2.0	14.3	0.0	0.1	0.02	0.02
2.0-3.0	14.3	0.1	0.1	0.03	0.05
3.0-4.0	14.3	0.1	0.2	0.04	0.09
4.0-5.0	14.3	0.1	0.3	0.05	0.15
5.0-6.0	14.3	0.2	0.5	0.06	0.21
6.0-7.0	14.3	0.2	0.7	0.08	0.29
7.0-8.0	14.3	0.2	0.9	0.09	0.38
8.0-9.0	14.4	0.2	1.1	0.10	0.48
9.0-10.0	14.4	0.3	1.4	0.11	0.59
10.0-11.0	14.4	0.3	1.7	0.12	0.72
11.0-12.0	14.4	0.3	2.0	0.14	0.85
12.0-13.0	14.5	0.3	2.3	0.15	1.00
13.0-14.0	14.5	0.4	2.7	0.16	1.16
14.0-15.0	14.5	0.4	3.1	0.17	1.33
15.0-16.0	14.6	0.4	3.5	0.18	1.52
16.0-17.0	14.6	0.5	4.0	0.20	1.72
17.0-18.0	14.6	0.5	4.4	0.21	1.92
18.0-19.0	14.7	0.5	5.0	0.22	2.15
19.0-20.0	14.7	0.5	5.5	0.23	2.38
20.0-21.0	14.8	0.6	6.1	0.25	2.62
21.0-22.0	14.8	0.6	6.7	0.26	2.88
22.0-23.0	14.9	0.6	7.3	0.27	3.15
23.0-24.0	14.9	0.7	7.9	0.28	3.43
24.0-25.0	15.0	0.7	8.6	0.29	3.73
25.0-26.0	15.0	0.7	9.3	0.31	4.04
26.0-27.0	15.1	0.7	10.1	0.32	4.36
27.0-28.0	15.2	0.8	10.8	0.33	4.69
28.0-29.0	15.2	0.8	11.6	0.34	5.03
29.0-30.0	15.3	0.8	12.5	0.36	5.39
30.0-31.0	15.3	0.9	13.3	0.37	5.76
31.0-32.0	15.4	0.9	14.2	0.38	6.14
32.0-33.0	15.5	0.9	15.1	0.39	6.53
33.0-34.0	15.6	0.9	16.1	0.41	6.94
34.0-35.0	15.6	1.0	17.0	0.42	7.36
35.0-36.0	15.7	1.0	18.0	0.43	7.79
36.0-37.0	15.8	1.0	19.1	0.45	8.24
37.0-38.0	15.9	1.1	20.1	0.46	8.70
38.0-39.0	15.9	1.1	21.2	0.47	9.17
39.0-40.0	16.0	1.1	22.3	0.48	9.65

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 :

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	16.1	1.1	23.5	0.50	10.15
41.0-42.0	16.2	1.2	24.6	0.51	10.65
42.0-43.0	16.3	1.2	25.8	0.52	11.18
43.0-44.0	16.4	1.2	27.1	0.53	11.71
44.0-45.0	16.5	1.3	28.3	0.55	12.26
45.0-46.0	16.6	1.3	29.6	0.56	12.82
46.0-47.0	16.7	1.3	31.0	0.57	13.39
47.0-48.0	16.8	1.4	32.3	0.59	13.98
48.0-49.0	16.8	1.4	33.7	0.60	14.58
49.0-50.0	16.9	1.4	35.1	0.61	15.19
50.0-51.0	17.0	1.4	36.6	0.62	15.81
51.0-52.0	17.1	1.5	38.0	0.64	16.45
52.0-53.0	17.3	1.5	39.5	0.65	17.09
53.0-54.0	17.4	1.5	41.1	0.66	17.76
54.0-55.0	17.4	1.6	42.6	0.67	18.43
55.0-56.0	17.6	1.6	44.2	0.69	19.12
56.0-57.0	17.7	1.6	45.8	0.70	19.81
57.0-58.0	17.8	1.6	47.5	0.71	20.52
58.0-59.0	17.9	1.7	49.1	0.72	21.25
59.0-60.0	18.0	1.7	50.8	0.73	21.98
60.0-61.0	18.1	1.7	52.6	0.75	22.73
61.0-62.0	18.2	1.8	54.3	0.76	23.48
62.0-63.0	18.3	1.8	56.1	0.77	24.25
63.0-64.0	18.4	1.8	57.9	0.78	25.03
64.0-65.0	18.5	1.8	59.7	0.79	25.82
65.0-66.0	18.6	1.9	61.6	0.80	26.63
66.0-67.0	18.7	1.9	63.5	0.81	27.44
67.0-68.0	18.8	1.9	65.4	0.82	28.26
68.0-69.0	18.9	1.9	67.3	0.83	29.10
69.0-70.0	19.0	2.0	69.2	0.84	29.94
70.0-71.0	19.1	2.0	71.2	0.85	30.80
71.0-72.0	19.2	2.0	73.2	0.86	31.66
72.0-73.0	19.3	2.0	75.2	0.87	32.54
73.0-74.0	19.4	2.0	77.3	0.88	33.42
74.0-75.0	19.5	2.1	79.3	0.89	34.31
75.0-76.0	19.6	2.1	81.4	0.90	35.21
76.0-77.0	19.7	2.1	83.5	0.91	36.12
77.0-78.0	19.8	2.1	85.7	0.92	37.04
78.0-79.0	19.9	2.1	87.8	0.93	37.96
79.0-80.0	20.0	2.2	90.0	0.93	38.90

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 %
80.0-81.0	20.1	2.2	92.1	0.94	39.84
81.0-82.0	20.2	2.2	94.3	0.95	40.78
82.0-83.0	20.3	2.2	96.5	0.95	41.73
83.0-84.0	20.4	2.2	98.7	0.96	42.69
84.0-85.0	20.4	2.2	101.0	0.96	43.66
85.0-86.0	20.5	2.2	103.2	0.97	44.63
86.0-87.0	20.6	2.3	105.5	0.97	45.60
87.0-88.0	20.7	2.3	107.7	0.98	46.58
88.0-89.0	20.7	2.3	110.0	0.98	47.57
89.0-90.0	20.8	2.3	112.3	0.99	48.55
90.0-91.0	20.9	2.3	114.6	0.99	49.54
91.0-92.0	21.0	2.3	116.9	0.99	50.54
92.0-93.0	21.0	2.3	119.2	1.00	51.53
93.0-94.0	21.1	2.3	121.5	1.00	52.53
94.0-95.0	21.1	2.3	123.8	1.00	53.53
95.0-96.0	21.2	2.3	126.1	1.00	54.53
96.0-97.0	21.3	2.3	128.4	1.00	55.53
97.0-98.0	21.3	2.3	130.7	1.00	56.53
98.0-99.0	21.3	2.3	133.1	1.00	57.54
99.0-100.0	21.4	2.3	135.4	1.00	58.54
100.0-101.0	21.4	2.3	137.7	1.00	59.53
101.0-102.0	21.5	2.3	140.0	1.00	60.53
102.0-103.0	21.5	2.3	142.3	0.99	61.53
103.0-104.0	21.5	2.3	144.6	0.99	62.52
104.0-105.0	21.5	2.3	146.9	0.99	63.51
105.0-106.0	21.5	2.3	149.1	0.98	64.49
106.0-107.0	21.6	2.3	151.4	0.98	65.47
107.0-108.0	21.6	2.3	153.7	0.98	66.45
108.0-109.0	21.6	2.2	155.9	0.97	67.42
109.0-110.0	21.6	2.2	158.1	0.96	68.38
110.0-111.0	21.5	2.2	160.3	0.96	69.33
111.0-112.0	21.4	2.2	162.5	0.95	70.28
112.0-113.0	21.4	2.2	164.7	0.94	71.22
113.0-114.0	21.3	2.1	166.8	0.92	72.14
114.0-115.0	21.1	2.1	168.9	0.91	73.05
115.0-116.0	21.0	2.1	171.0	0.90	73.95
116.0-117.0	20.8	2.0	173.1	0.88	74.83
117.0-118.0	20.6	2.0	175.1	0.87	75.70
118.0-119.0	20.4	2.0	177.0	0.85	76.55
119.0-120.0	20.3	1.9	179.0	0.84	77.39

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	20.1	1.9	180.9	0.82	78.21
121.0-122.0	20.0	1.9	182.7	0.81	79.01
122.0-123.0	19.8	1.8	184.6	0.79	79.81
123.0-124.0	19.7	1.8	186.4	0.78	80.59
124.0-125.0	19.6	1.8	188.1	0.77	81.35
125.0-126.0	19.5	1.7	189.9	0.75	82.10
126.0-127.0	19.4	1.7	191.6	0.74	82.84
127.0-128.0	19.2	1.7	193.3	0.72	83.57
128.0-129.0	19.1	1.6	194.9	0.71	84.27
129.0-130.0	18.9	1.6	196.5	0.69	84.96
130.0-131.0	18.7	1.6	198.1	0.67	85.64
131.0-132.0	18.5	1.5	199.6	0.66	86.29
132.0-133.0	18.3	1.5	201.1	0.64	86.93
133.0-134.0	18.1	1.4	202.5	0.62	87.56
134.0-135.0	17.9	1.4	203.9	0.61	88.16
135.0-136.0	17.7	1.4	205.3	0.59	88.75
136.0-137.0	17.5	1.3	206.6	0.57	89.32
137.0-138.0	17.3	1.3	207.9	0.56	89.88
138.0-139.0	17.2	1.2	209.1	0.54	90.42
139.0-140.0	17.0	1.2	210.3	0.52	90.94
140.0-141.0	16.9	1.2	211.5	0.51	91.45
141.0-142.0	16.7	1.1	212.6	0.49	91.94
142.0-143.0	16.6	1.1	213.7	0.48	92.42
143.0-144.0	16.5	1.1	214.8	0.47	92.89
144.0-145.0	16.4	1.0	215.9	0.45	93.34
145.0-146.0	16.3	1.0	216.9	0.44	93.78
146.0-147.0	16.2	1.0	217.9	0.42	94.20
147.0-148.0	16.0	0.9	218.8	0.41	94.61
148.0-149.0	15.9	0.9	219.7	0.39	95.00
149.0-150.0	15.8	0.9	220.6	0.38	95.38
150.0-151.0	15.7	0.8	221.4	0.37	95.75
151.0-152.0	15.5	0.8	222.3	0.35	96.10
152.0-153.0	15.4	0.8	223.0	0.34	96.44
153.0-154.0	15.2	0.7	223.8	0.32	96.76
154.0-155.0	14.9	0.7	224.5	0.30	97.06
155.0-156.0	14.6	0.7	225.1	0.29	97.35
156.0-157.0	14.3	0.6	225.8	0.27	97.62
157.0-158.0	14.0	0.6	226.4	0.25	97.88
158.0-159.0	13.6	0.5	226.9	0.24	98.11
159.0-160.0	13.2	0.5	227.4	0.22	98.33

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	12.9	0.5	227.9	0.20	98.54
161.0-162.0	12.5	0.4	228.3	0.19	98.72
162.0-163.0	12.0	0.4	228.7	0.17	98.89
163.0-164.0	11.6	0.4	229.1	0.16	99.05
164.0-165.0	11.2	0.3	229.4	0.14	99.19
165.0-166.0	10.8	0.3	229.7	0.13	99.32
166.0-167.0	10.4	0.3	230.0	0.11	99.44
167.0-168.0	9.9	0.2	230.2	0.10	99.54
168.0-169.0	9.6	0.2	230.4	0.09	99.63
169.0-170.0	9.1	0.2	230.6	0.08	99.71
170.0-171.0	8.7	0.2	230.7	0.07	99.78
171.0-172.0	8.3	0.1	230.9	0.06	99.83
172.0-173.0	7.7	0.1	231.0	0.05	99.88
173.0-174.0	7.1	0.1	231.1	0.04	99.92
174.0-175.0	6.5	0.1	231.1	0.03	99.95
175.0-176.0	5.8	0.0	231.2	0.02	99.97
176.0-177.0	5.0	0.0	231.2	0.01	99.98
177.0-178.0	4.4	0.0	231.3	0.01	99.99
178.0-179.0	3.9	0.0	231.3	0.00	100.00
179.0-180.0	3.8	0.0	231.3	0.00	100.00