

Nuura Goniophotometer Test Report

Product Info

Luminaire : **Miira 6 Circle / opal**

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

Manufacturer : **Nuura**

Nuber of Lamps : **6**

Lumens per Lamp : **0 lm**

Luminous Length : **800 mm**

Luminous Width : **0 mm**

Luminous Height : **245 mm**

Electric Parameters

Voltage : **230.90 V** Current : **0.0400 A** Power : **8.63 W** Power Factor : **0.924** Frequency : **50.00 Hz**

Photometric Parameters

CIE Class : **General Diffuse**

Measurement Flux : **531.0 lm**

Upward Ratio : **45.02 %**

Maximum Intensity : **52.49 cd**

Central Intensity : **46.61 cd**

Luminaire Efficacy Rating (LER) : **62**

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

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

Total Rated Lamp Lumens : **531.0 lm**

Efficiency : **100.00 %**

Downward Ratio : **54.98 %**

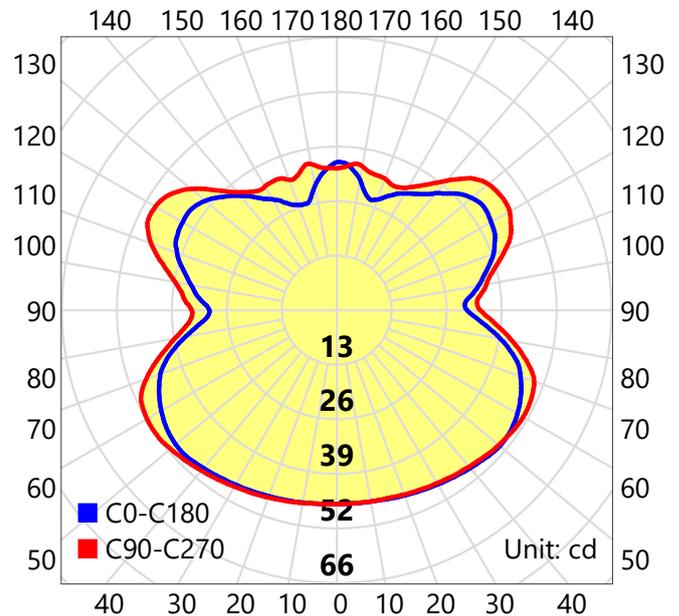
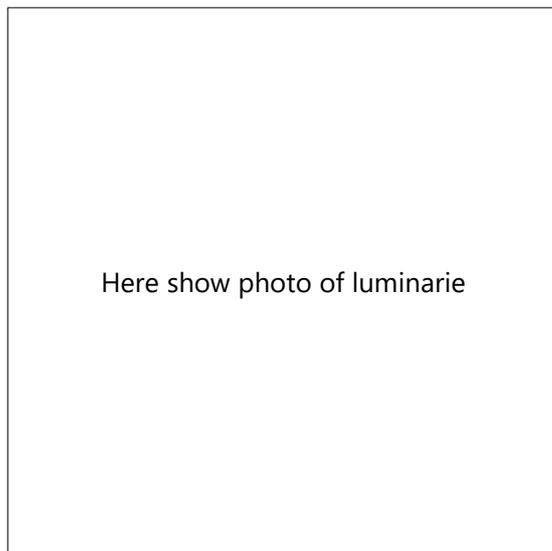
Position Of Maximum Intensity : **C270° γ57°**

S/MH(C0-C180,C90-C270) : **1.61, 1.62**

Energy Efficiency Class : **G (EU 2019/2015 η_{TM}:62lm/W)**

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

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



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

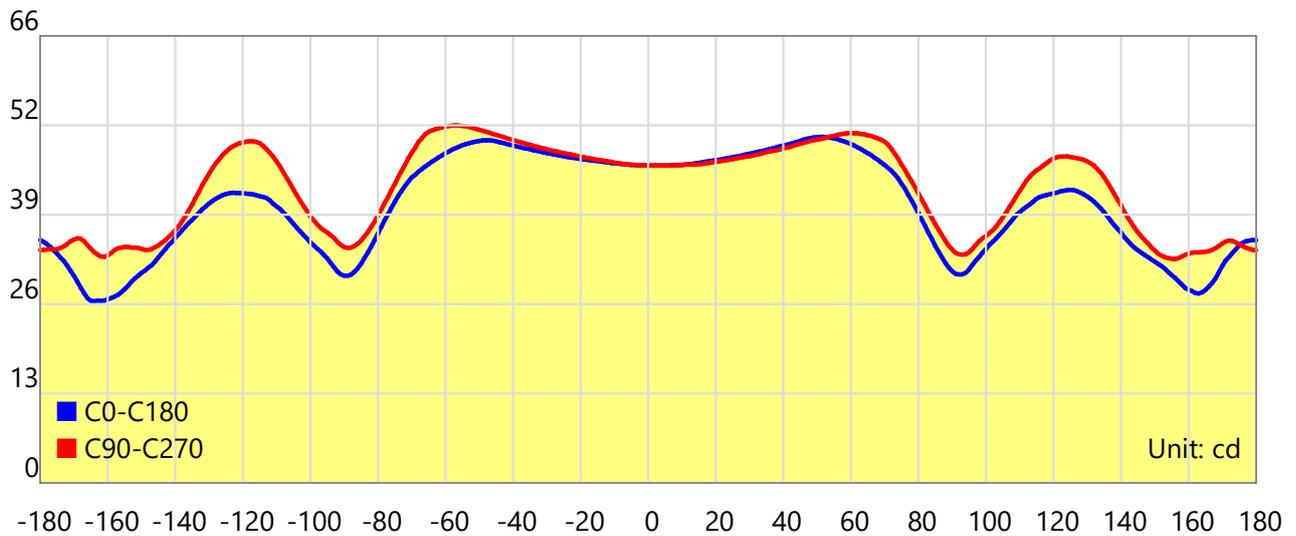
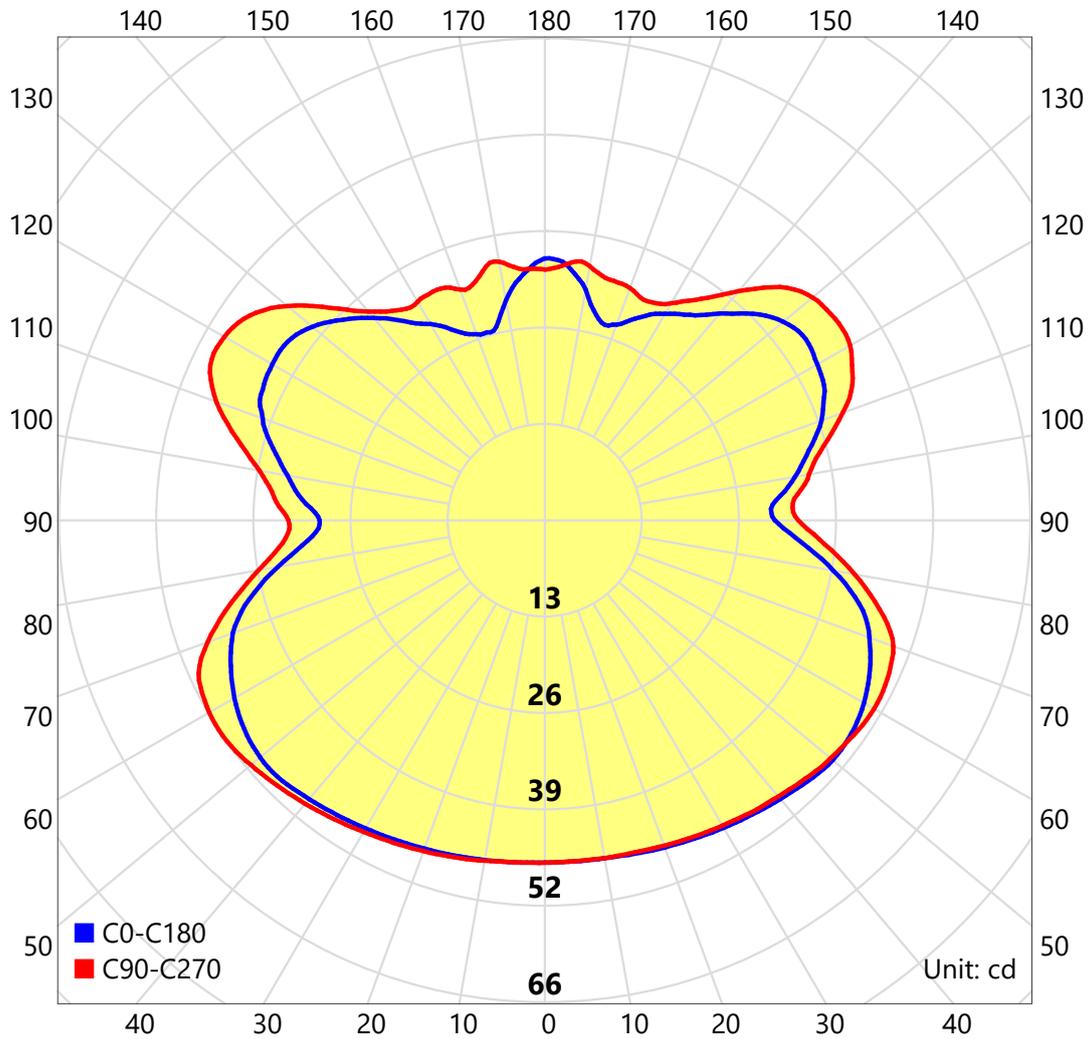
Humidity : 75.0%

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

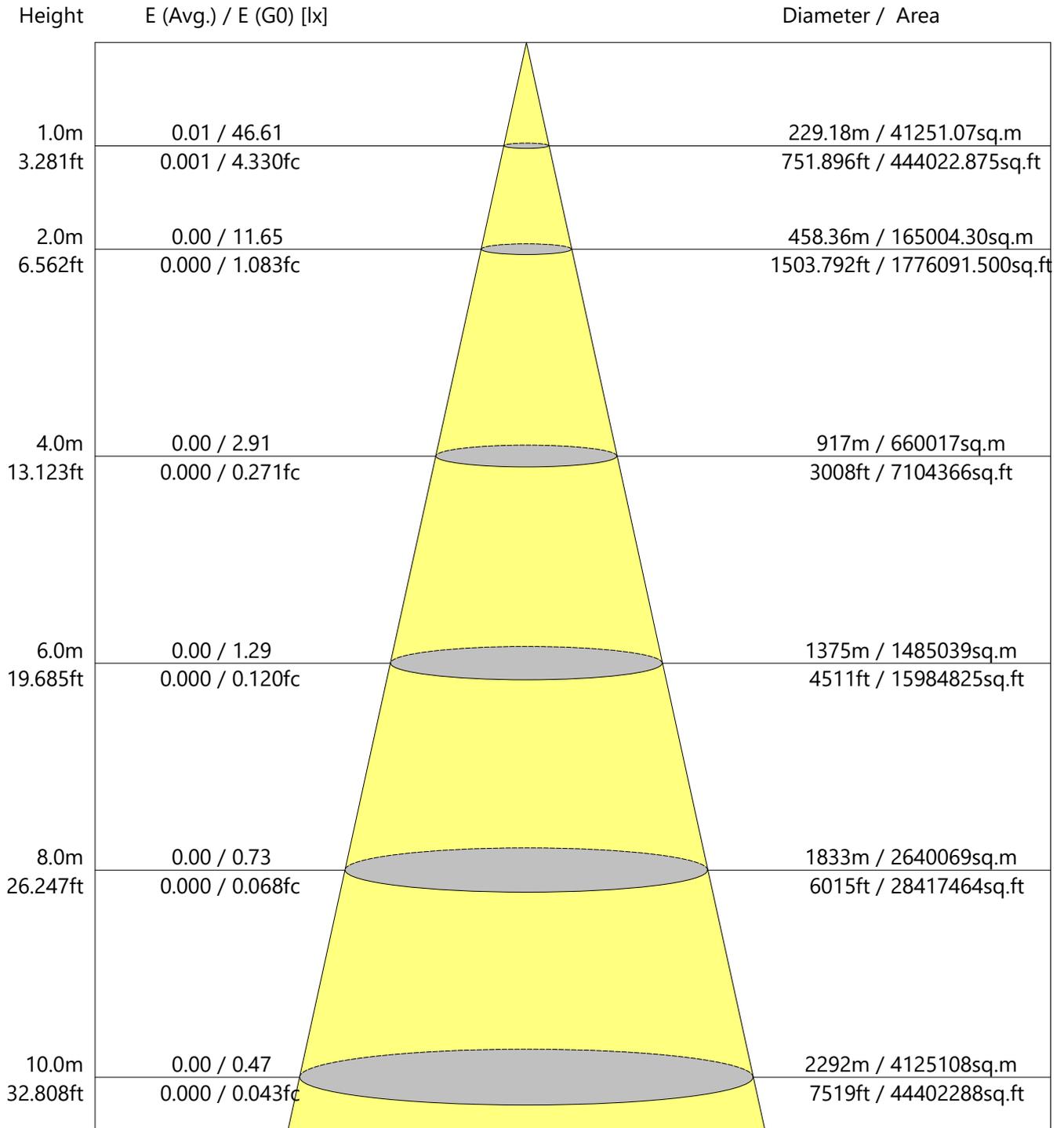
Humidity : 75.0%

Test Lab :

Test By : P. Nellemose

Review By :

Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 530.99lm

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	46.6	0.0	0.0	0.01	0.01
1.0-2.0	46.6	0.1	0.2	0.03	0.03
2.0-3.0	46.6	0.2	0.4	0.04	0.08
3.0-4.0	46.6	0.3	0.7	0.06	0.13
4.0-5.0	46.7	0.4	1.1	0.08	0.21
5.0-6.0	46.7	0.5	1.6	0.09	0.30
6.0-7.0	46.7	0.6	2.2	0.11	0.41
7.0-8.0	46.8	0.7	2.9	0.13	0.54
8.0-9.0	46.8	0.8	3.6	0.14	0.68
9.0-10.0	46.8	0.8	4.5	0.16	0.84
10.0-11.0	46.9	0.9	5.4	0.18	1.02
11.0-12.0	46.9	1.0	6.4	0.19	1.21
12.0-13.0	47.0	1.1	7.5	0.21	1.42
13.0-14.0	47.0	1.2	8.7	0.23	1.65
14.0-15.0	47.1	1.3	10.0	0.24	1.89
15.0-16.0	47.2	1.4	11.4	0.26	2.15
16.0-17.0	47.2	1.5	12.9	0.28	2.43
17.0-18.0	47.3	1.6	14.5	0.29	2.72
18.0-19.0	47.4	1.6	16.1	0.31	3.03
19.0-20.0	47.5	1.7	17.8	0.33	3.36
20.0-21.0	47.5	1.8	19.7	0.34	3.70
21.0-22.0	47.6	1.9	21.6	0.36	4.06
22.0-23.0	47.7	2.0	23.6	0.38	4.44
23.0-24.0	47.8	2.1	25.7	0.39	4.83
24.0-25.0	47.9	2.2	27.8	0.41	5.24
25.0-26.0	48.0	2.3	30.1	0.43	5.67
26.0-27.0	48.1	2.4	32.5	0.44	6.11
27.0-28.0	48.2	2.4	34.9	0.46	6.57
28.0-29.0	48.3	2.5	37.4	0.48	7.05
29.0-30.0	48.4	2.6	40.0	0.49	7.54
30.0-31.0	48.5	2.7	42.7	0.51	8.05
31.0-32.0	48.6	2.8	45.5	0.52	8.57
32.0-33.0	48.7	2.9	48.4	0.54	9.12
33.0-34.0	48.8	3.0	51.4	0.56	9.67
34.0-35.0	49.0	3.0	54.4	0.57	10.24
35.0-36.0	49.1	3.1	57.5	0.59	10.83
36.0-37.0	49.2	3.2	60.7	0.60	11.44
37.0-38.0	49.3	3.3	64.0	0.62	12.06
38.0-39.0	49.4	3.4	67.4	0.64	12.69
39.0-40.0	49.6	3.5	70.9	0.65	13.35

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	49.7	3.5	74.4	0.67	14.01
41.0-42.0	49.8	3.6	78.0	0.68	14.69
42.0-43.0	50.0	3.7	81.7	0.70	15.39
43.0-44.0	50.1	3.8	85.5	0.71	16.10
44.0-45.0	50.3	3.9	89.4	0.73	16.83
45.0-46.0	50.4	3.9	93.3	0.74	17.57
46.0-47.0	50.5	4.0	97.3	0.76	18.33
47.0-48.0	50.6	4.1	101.4	0.77	19.10
48.0-49.0	50.7	4.2	105.6	0.78	19.89
49.0-50.0	50.8	4.2	109.8	0.80	20.68
50.0-51.0	50.9	4.3	114.1	0.81	21.50
51.0-52.0	50.9	4.4	118.5	0.82	22.32
52.0-53.0	50.9	4.4	122.9	0.83	23.15
53.0-54.0	50.9	4.5	127.4	0.84	24.00
54.0-55.0	50.9	4.5	132.0	0.86	24.85
55.0-56.0	50.8	4.6	136.6	0.86	25.72
56.0-57.0	50.7	4.6	141.2	0.87	26.59
57.0-58.0	50.6	4.7	145.9	0.88	27.47
58.0-59.0	50.5	4.7	150.6	0.89	28.36
59.0-60.0	50.4	4.8	155.4	0.90	29.26
60.0-61.0	50.2	4.8	160.1	0.90	30.16
61.0-62.0	50.0	4.8	165.0	0.91	31.07
62.0-63.0	49.9	4.8	169.8	0.91	31.98
63.0-64.0	49.6	4.9	174.7	0.92	32.90
64.0-65.0	49.4	4.9	179.6	0.92	33.82
65.0-66.0	49.2	4.9	184.5	0.92	34.74
66.0-67.0	48.9	4.9	189.4	0.93	35.67
67.0-68.0	48.5	4.9	194.3	0.93	36.59
68.0-69.0	48.2	4.9	199.2	0.93	37.52
69.0-70.0	47.8	4.9	204.1	0.92	38.45
70.0-71.0	47.4	4.9	209.0	0.92	39.37
71.0-72.0	46.9	4.9	213.9	0.92	40.29
72.0-73.0	46.3	4.8	218.8	0.91	41.20
73.0-74.0	45.8	4.8	223.6	0.91	42.11
74.0-75.0	45.1	4.8	228.3	0.90	43.00
75.0-76.0	44.4	4.7	233.1	0.89	43.89
76.0-77.0	43.6	4.7	237.7	0.88	44.77
77.0-78.0	42.8	4.6	242.3	0.86	45.63
78.0-79.0	42.1	4.5	246.8	0.85	46.48
79.0-80.0	41.2	4.4	251.3	0.84	47.32

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	40.4	4.4	255.6	0.82	48.14
81.0-82.0	39.6	4.3	259.9	0.81	48.95
82.0-83.0	38.8	4.2	264.1	0.79	49.74
83.0-84.0	38.1	4.1	268.3	0.78	50.52
84.0-85.0	37.3	4.1	272.4	0.77	51.29
85.0-86.0	36.7	4.0	276.4	0.76	52.05
86.0-87.0	36.1	4.0	280.3	0.74	52.79
87.0-88.0	35.6	3.9	284.2	0.74	53.53
88.0-89.0	35.3	3.9	288.1	0.73	54.26
89.0-90.0	35.0	3.8	291.9	0.72	54.98
90.0-91.0	34.8	3.8	295.8	0.72	55.70
91.0-92.0	34.8	3.8	299.6	0.72	56.42
92.0-93.0	35.0	3.8	303.4	0.72	57.14
93.0-94.0	35.2	3.9	307.3	0.73	57.86
94.0-95.0	35.4	3.9	311.1	0.73	58.59
95.0-96.0	35.8	3.9	315.0	0.73	59.33
96.0-97.0	36.1	3.9	319.0	0.74	60.07
97.0-98.0	36.4	4.0	322.9	0.75	60.82
98.0-99.0	36.8	4.0	326.9	0.75	61.57
99.0-100.0	37.1	4.0	330.9	0.76	62.32
100.0-101.0	37.5	4.0	335.0	0.76	63.09
101.0-102.0	37.9	4.1	339.0	0.77	63.85
102.0-103.0	38.3	4.1	343.2	0.77	64.62
103.0-104.0	38.8	4.1	347.3	0.78	65.40
104.0-105.0	39.2	4.2	351.5	0.78	66.19
105.0-106.0	39.7	4.2	355.7	0.79	66.98
106.0-107.0	40.2	4.2	359.9	0.80	67.78
107.0-108.0	40.7	4.3	364.1	0.80	68.58
108.0-109.0	41.2	4.3	368.4	0.81	69.39
109.0-110.0	41.7	4.3	372.7	0.81	70.20
110.0-111.0	42.1	4.3	377.1	0.82	71.01
111.0-112.0	42.6	4.3	381.4	0.82	71.83
112.0-113.0	43.0	4.4	385.8	0.82	72.65
113.0-114.0	43.4	4.4	390.1	0.82	73.47
114.0-115.0	43.7	4.4	394.5	0.82	74.29
115.0-116.0	43.9	4.3	398.8	0.82	75.11
116.0-117.0	44.1	4.3	403.2	0.81	75.93
117.0-118.0	44.2	4.3	407.5	0.81	76.74
118.0-119.0	44.2	4.3	411.7	0.80	77.54
119.0-120.0	44.1	4.2	415.9	0.79	78.33

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 °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
120.0-121.0	44.0	4.2	420.1	0.78	79.11
121.0-122.0	43.8	4.1	424.2	0.77	79.89
122.0-123.0	43.6	4.0	428.2	0.76	80.65
123.0-124.0	43.3	4.0	432.2	0.75	81.39
124.0-125.0	43.0	3.9	436.1	0.73	82.12
125.0-126.0	42.5	3.8	439.9	0.72	82.84
126.0-127.0	42.1	3.7	443.6	0.70	83.54
127.0-128.0	41.5	3.6	447.2	0.68	84.22
128.0-129.0	41.0	3.5	450.7	0.66	84.88
129.0-130.0	40.5	3.4	454.1	0.64	85.52
130.0-131.0	39.9	3.3	457.5	0.63	86.15
131.0-132.0	39.3	3.2	460.7	0.61	86.76
132.0-133.0	38.7	3.1	463.8	0.59	87.35
133.0-134.0	38.0	3.0	466.8	0.57	87.92
134.0-135.0	37.4	2.9	469.8	0.55	88.47
135.0-136.0	36.9	2.8	472.6	0.53	89.00
136.0-137.0	36.4	2.7	475.3	0.52	89.52
137.0-138.0	35.9	2.7	478.0	0.50	90.02
138.0-139.0	35.5	2.6	480.6	0.49	90.50
139.0-140.0	35.1	2.5	483.1	0.47	90.98
140.0-141.0	34.8	2.4	485.5	0.46	91.43
141.0-142.0	34.6	2.4	487.9	0.44	91.88
142.0-143.0	34.3	2.3	490.2	0.43	92.31
143.0-144.0	34.1	2.2	492.4	0.42	92.73
144.0-145.0	33.9	2.2	494.5	0.41	93.14
145.0-146.0	33.7	2.1	496.6	0.39	93.53
146.0-147.0	33.5	2.0	498.7	0.38	93.91
147.0-148.0	33.4	2.0	500.6	0.37	94.28
148.0-149.0	33.2	1.9	502.5	0.36	94.64
149.0-150.0	33.0	1.8	504.4	0.35	94.99
150.0-151.0	32.8	1.8	506.1	0.33	95.32
151.0-152.0	32.6	1.7	507.8	0.32	95.64
152.0-153.0	32.3	1.6	509.5	0.31	95.95
153.0-154.0	32.0	1.6	511.0	0.30	96.24
154.0-155.0	31.7	1.5	512.5	0.28	96.53
155.0-156.0	31.4	1.4	514.0	0.27	96.80
156.0-157.0	31.2	1.4	515.3	0.26	97.05
157.0-158.0	30.9	1.3	516.6	0.24	97.30
158.0-159.0	30.7	1.2	517.9	0.23	97.53
159.0-160.0	30.5	1.2	519.0	0.22	97.75

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	30.3	1.1	520.1	0.21	97.96
161.0-162.0	30.2	1.1	521.2	0.20	98.16
162.0-163.0	30.2	1.0	522.2	0.19	98.34
163.0-164.0	30.3	0.9	523.1	0.18	98.52
164.0-165.0	30.4	0.9	524.0	0.17	98.69
165.0-166.0	30.7	0.8	524.9	0.16	98.85
166.0-167.0	31.1	0.8	525.7	0.15	99.00
167.0-168.0	31.6	0.7	526.4	0.14	99.14
168.0-169.0	32.1	0.7	527.1	0.13	99.27
169.0-170.0	32.6	0.7	527.8	0.12	99.39
170.0-171.0	33.1	0.6	528.4	0.11	99.51
171.0-172.0	33.5	0.5	528.9	0.10	99.61
172.0-173.0	33.8	0.5	529.4	0.09	99.70
173.0-174.0	33.9	0.4	529.8	0.08	99.78
174.0-175.0	34.0	0.4	530.2	0.07	99.85
175.0-176.0	34.1	0.3	530.5	0.06	99.90
176.0-177.0	34.1	0.2	530.7	0.04	99.94
177.0-178.0	34.1	0.2	530.9	0.03	99.98
178.0-179.0	34.1	0.1	531.0	0.02	99.99
179.0-180.0	34.1	0.0	531.0	0.01	100.00