

Teamtronic Goniophotometer Test Report

Product Info

Luminaire : **Rizzato 43_satin brass_Opal_ø400x626_7.6W_927**

Manufacturer : **Teamtronic**

Nuber of Lamps : **1**

Lumens per Lamp : **0 lm**

Luminous Length : **400 mm**

Luminous Width : **0 mm**

Luminous Height : **626 mm**

Electric Parameters

Voltage : **231.40 V** Current : **0.0420 A** Power : **7.60 W** Power Factor : **0.790** Frequency : **49.99 Hz**

Photometric Parameters

CIE Class : **General Diffuse**

Measurement Flux : **665.9 lm**

Upward Ratio : **45.51 %**

Maximum Intensity : **83.62 cd**

Central Intensity : **83.24 cd**

Luminaire Efficacy Rating (LER) : **88**

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

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

Total Rated Lamp Lumens : **665.9 lm**

Efficiency : **100.00 %**

Downward Ratio : **54.49 %**

Position Of Maximum Intensity : **C135° γ3°**

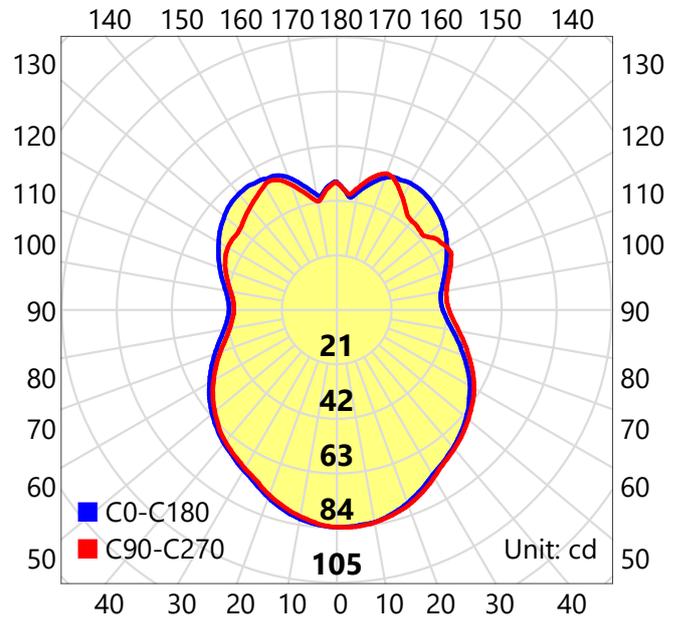
S/MH(C0-C180,C90-C270) : **1.30, 1.30**

Energy Efficiency Class : **F (EU 2019/2015 η_{TM}:88lm/W)**

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

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

Here show photo of luminarie



Test Type : Type C Test Distance : 6.119 m

Test Device : Lisun LSG-1700B

Test Lab :

Test By : P. Nellemose

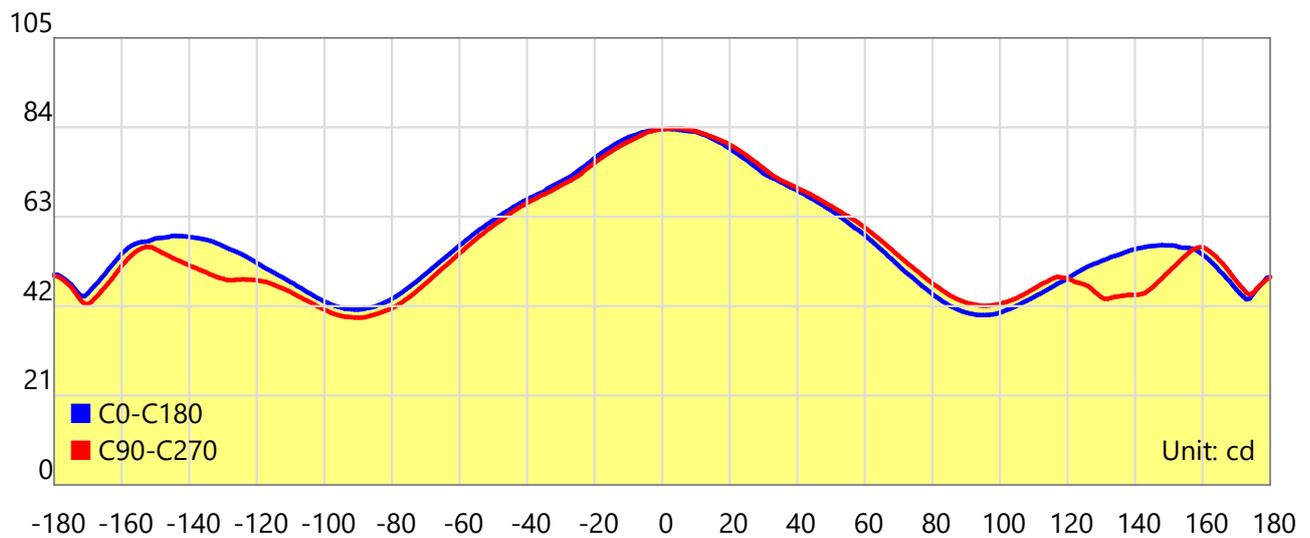
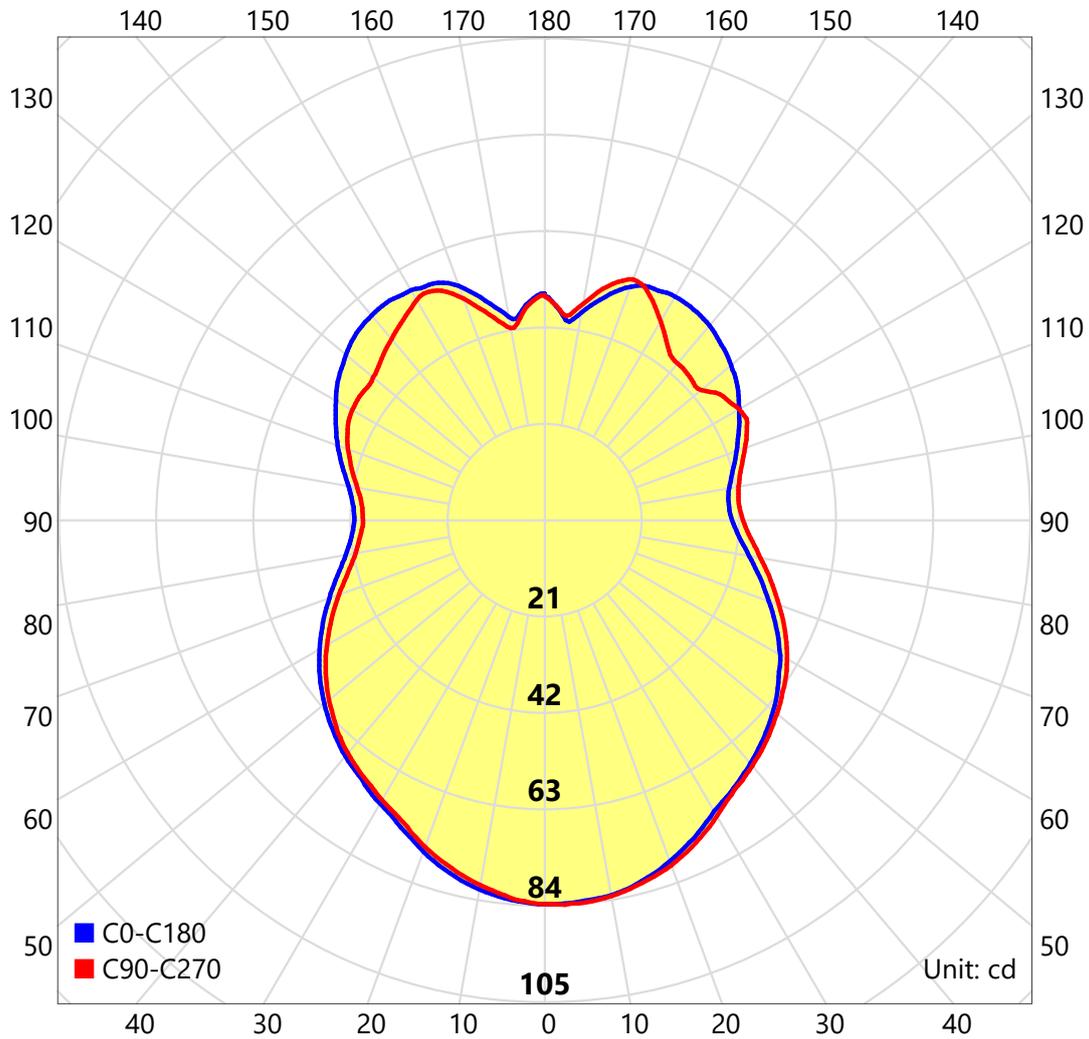
C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0

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

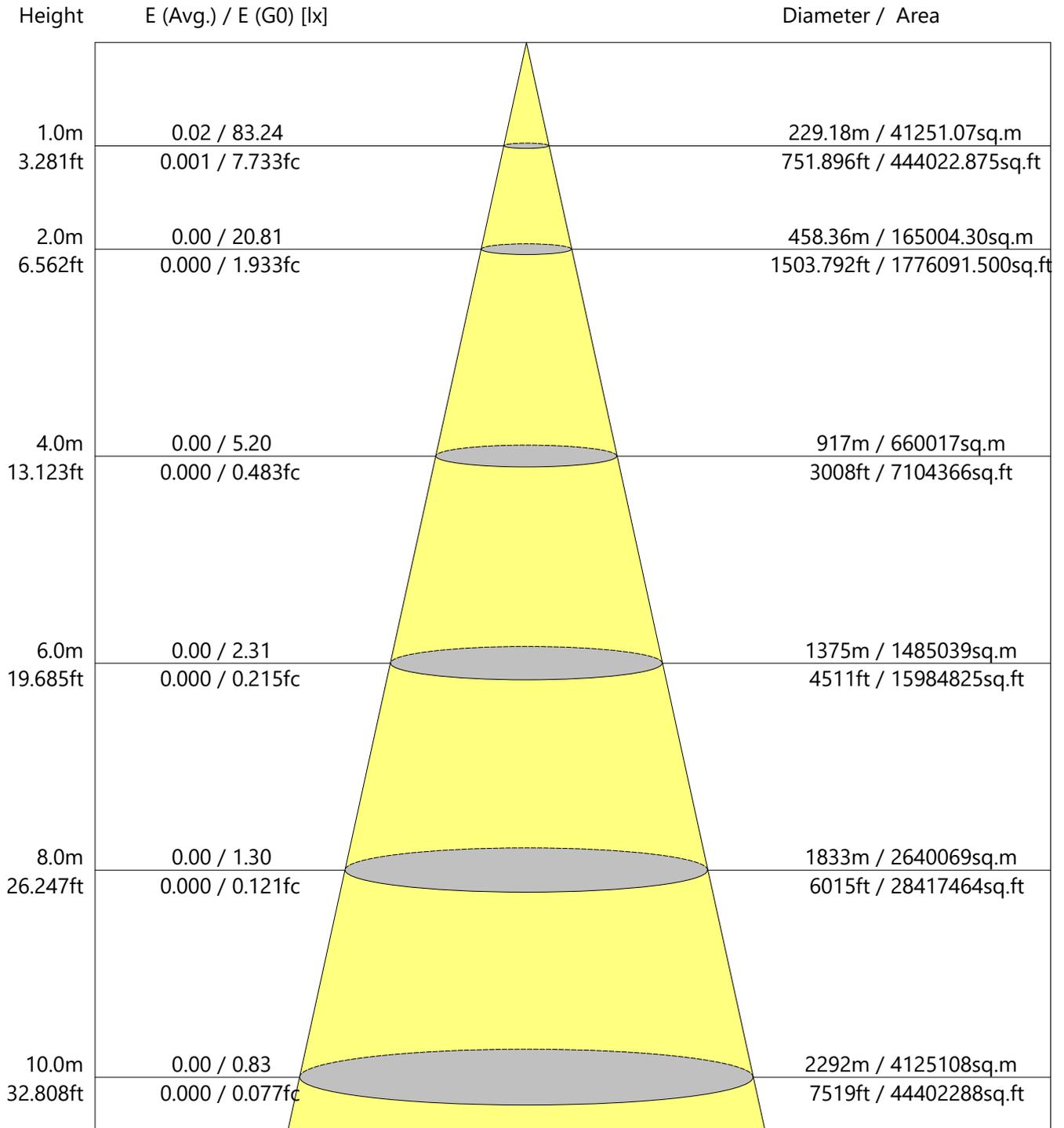
Humidity: 75.0%

Test Lab:

Test By: P. Nellemose

Review By:

Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 665.87lm

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	83.2	0.1	0.1	0.01	0.01
1.0-2.0	83.2	0.2	0.3	0.04	0.05
2.0-3.0	83.2	0.4	0.7	0.06	0.11
3.0-4.0	83.1	0.6	1.3	0.08	0.19
4.0-5.0	82.9	0.7	2.0	0.11	0.30
5.0-6.0	82.8	0.9	2.9	0.13	0.43
6.0-7.0	82.6	1.0	3.9	0.15	0.58
7.0-8.0	82.4	1.2	5.1	0.18	0.76
8.0-9.0	82.2	1.3	6.4	0.20	0.96
9.0-10.0	81.9	1.5	7.9	0.22	1.18
10.0-11.0	81.6	1.6	9.5	0.24	1.43
11.0-12.0	81.3	1.8	11.3	0.27	1.69
12.0-13.0	81.0	1.9	13.2	0.29	1.98
13.0-14.0	80.6	2.1	15.3	0.31	2.29
14.0-15.0	80.2	2.2	17.5	0.33	2.62
15.0-16.0	79.8	2.3	19.8	0.35	2.97
16.0-17.0	79.3	2.5	22.3	0.37	3.35
17.0-18.0	78.9	2.6	24.9	0.39	3.74
18.0-19.0	78.4	2.7	27.6	0.41	4.15
19.0-20.0	77.9	2.9	30.5	0.43	4.57
20.0-21.0	77.4	3.0	33.4	0.45	5.02
21.0-22.0	76.8	3.1	36.5	0.46	5.48
22.0-23.0	76.3	3.2	39.7	0.48	5.97
23.0-24.0	75.7	3.3	43.0	0.50	6.46
24.0-25.0	75.1	3.4	46.4	0.51	6.97
25.0-26.0	74.5	3.5	50.0	0.53	7.50
26.0-27.0	73.9	3.6	53.6	0.54	8.05
27.0-28.0	73.4	3.7	57.3	0.56	8.60
28.0-29.0	72.9	3.8	61.1	0.57	9.18
29.0-30.0	72.4	3.9	65.0	0.59	9.76
30.0-31.0	71.9	4.0	69.0	0.60	10.37
31.0-32.0	71.4	4.1	73.1	0.61	10.98
32.0-33.0	70.9	4.2	77.3	0.63	11.61
33.0-34.0	70.5	4.3	81.6	0.64	12.25
34.0-35.0	70.1	4.4	85.9	0.65	12.90
35.0-36.0	69.6	4.4	90.3	0.67	13.57
36.0-37.0	69.2	4.5	94.9	0.68	14.25
37.0-38.0	68.8	4.6	99.5	0.69	14.94
38.0-39.0	68.4	4.7	104.1	0.70	15.64
39.0-40.0	68.0	4.7	108.9	0.71	16.35

Zonal Flux

Gamma °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	67.6	4.8	113.7	0.72	17.07
41.0-42.0	67.2	4.9	118.6	0.73	17.81
42.0-43.0	66.7	4.9	123.5	0.74	18.55
43.0-44.0	66.3	5.0	128.5	0.75	19.30
44.0-45.0	65.8	5.1	133.6	0.76	20.06
45.0-46.0	65.3	5.1	138.7	0.77	20.83
46.0-47.0	64.8	5.2	143.8	0.77	21.60
47.0-48.0	64.3	5.2	149.0	0.78	22.38
48.0-49.0	63.8	5.2	154.3	0.79	23.17
49.0-50.0	63.3	5.3	159.6	0.79	23.96
50.0-51.0	62.8	5.3	164.9	0.80	24.76
51.0-52.0	62.2	5.3	170.2	0.80	25.56
52.0-53.0	61.7	5.4	175.6	0.81	26.37
53.0-54.0	61.1	5.4	181.0	0.81	27.18
54.0-55.0	60.6	5.4	186.4	0.81	27.99
55.0-56.0	60.0	5.4	191.8	0.81	28.80
56.0-57.0	59.4	5.4	197.2	0.82	29.62
57.0-58.0	58.8	5.4	202.7	0.82	30.43
58.0-59.0	58.1	5.4	208.1	0.82	31.25
59.0-60.0	57.5	5.4	213.5	0.82	32.07
60.0-61.0	56.9	5.4	219.0	0.81	32.88
61.0-62.0	56.2	5.4	224.4	0.81	33.70
62.0-63.0	55.6	5.4	229.8	0.81	34.51
63.0-64.0	54.9	5.4	235.2	0.81	35.32
64.0-65.0	54.2	5.4	240.5	0.81	36.12
65.0-66.0	53.5	5.3	245.9	0.80	36.92
66.0-67.0	52.8	5.3	251.2	0.80	37.72
67.0-68.0	52.1	5.3	256.5	0.79	38.51
68.0-69.0	51.4	5.2	261.7	0.79	39.30
69.0-70.0	50.7	5.2	266.9	0.78	40.09
70.0-71.0	50.1	5.2	272.1	0.78	40.86
71.0-72.0	49.4	5.1	277.2	0.77	41.63
72.0-73.0	48.7	5.1	282.3	0.76	42.40
73.0-74.0	48.1	5.1	287.4	0.76	43.16
74.0-75.0	47.4	5.0	292.4	0.75	43.91
75.0-76.0	46.8	5.0	297.4	0.75	44.66
76.0-77.0	46.2	4.9	302.3	0.74	45.40
77.0-78.0	45.6	4.9	307.2	0.73	46.13
78.0-79.0	45.0	4.8	312.0	0.73	46.86
79.0-80.0	44.5	4.8	316.8	0.72	47.58

Zonal Flux

Gamma °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
80.0-81.0	43.9	4.8	321.5	0.71	48.29
81.0-82.0	43.5	4.7	326.3	0.71	49.00
82.0-83.0	43.0	4.7	330.9	0.70	49.70
83.0-84.0	42.6	4.6	335.6	0.70	50.40
84.0-85.0	42.2	4.6	340.2	0.69	51.09
85.0-86.0	41.9	4.6	344.8	0.69	51.78
86.0-87.0	41.6	4.6	349.3	0.68	52.46
87.0-88.0	41.3	4.5	353.8	0.68	53.14
88.0-89.0	41.1	4.5	358.3	0.68	53.82
89.0-90.0	40.9	4.5	362.8	0.67	54.49
90.0-91.0	40.8	4.5	367.3	0.67	55.16
91.0-92.0	40.7	4.5	371.8	0.67	55.83
92.0-93.0	40.7	4.5	376.2	0.67	56.50
93.0-94.0	40.7	4.5	380.7	0.67	57.17
94.0-95.0	40.7	4.5	385.1	0.67	57.84
95.0-96.0	40.8	4.5	389.6	0.67	58.51
96.0-97.0	40.9	4.5	394.0	0.67	59.18
97.0-98.0	41.1	4.5	398.5	0.67	59.85
98.0-99.0	41.3	4.5	403.0	0.67	60.52
99.0-100.0	41.6	4.5	407.5	0.68	61.19
100.0-101.0	41.9	4.5	412.0	0.68	61.87
101.0-102.0	42.2	4.5	416.5	0.68	62.55
102.0-103.0	42.5	4.6	421.1	0.68	63.24
103.0-104.0	42.9	4.6	425.7	0.69	63.92
104.0-105.0	43.3	4.6	430.3	0.69	64.62
105.0-106.0	43.7	4.6	434.9	0.69	65.31
106.0-107.0	44.1	4.6	439.5	0.70	66.01
107.0-108.0	44.6	4.7	444.2	0.70	66.71
108.0-109.0	45.0	4.7	448.9	0.70	67.41
109.0-110.0	45.4	4.7	453.6	0.71	68.11
110.0-111.0	45.9	4.7	458.3	0.71	68.82
111.0-112.0	46.3	4.7	463.0	0.71	69.53
112.0-113.0	46.8	4.7	467.7	0.71	70.24
113.0-114.0	47.2	4.7	472.5	0.71	70.96
114.0-115.0	47.6	4.8	477.2	0.71	71.67
115.0-116.0	48.0	4.8	482.0	0.71	72.38
116.0-117.0	48.5	4.8	486.7	0.71	73.10
117.0-118.0	48.8	4.8	491.5	0.71	73.81
118.0-119.0	49.2	4.7	496.2	0.71	74.52
119.0-120.0	49.5	4.7	501.0	0.71	75.23

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	49.9	4.7	505.7	0.71	75.94
121.0-122.0	50.2	4.7	510.4	0.71	76.65
122.0-123.0	50.5	4.7	515.0	0.70	77.35
123.0-124.0	50.9	4.7	519.7	0.70	78.05
124.0-125.0	51.2	4.6	524.3	0.69	78.74
125.0-126.0	51.5	4.6	528.9	0.69	79.43
126.0-127.0	51.7	4.6	533.5	0.68	80.12
127.0-128.0	51.9	4.5	538.0	0.68	80.79
128.0-129.0	52.2	4.5	542.5	0.67	81.47
129.0-130.0	52.4	4.4	546.9	0.67	82.13
130.0-131.0	52.7	4.4	551.3	0.66	82.79
131.0-132.0	52.9	4.3	555.6	0.65	83.45
132.0-133.0	53.3	4.3	559.9	0.65	84.09
133.0-134.0	53.6	4.3	564.2	0.64	84.73
134.0-135.0	53.9	4.2	568.4	0.63	85.37
135.0-136.0	54.1	4.2	572.6	0.62	85.99
136.0-137.0	54.4	4.1	576.7	0.62	86.61
137.0-138.0	54.7	4.0	580.7	0.61	87.21
138.0-139.0	54.9	4.0	584.7	0.60	87.81
139.0-140.0	55.1	3.9	588.7	0.59	88.40
140.0-141.0	55.3	3.9	592.5	0.58	88.98
141.0-142.0	55.5	3.8	596.3	0.57	89.55
142.0-143.0	55.6	3.7	600.0	0.56	90.11
143.0-144.0	55.6	3.6	603.6	0.54	90.65
144.0-145.0	55.5	3.5	607.2	0.53	91.18
145.0-146.0	55.3	3.4	610.6	0.52	91.70
146.0-147.0	55.1	3.3	613.9	0.50	92.20
147.0-148.0	54.8	3.2	617.2	0.48	92.69
148.0-149.0	54.5	3.1	620.3	0.47	93.15
149.0-150.0	54.1	3.0	623.3	0.45	93.61
150.0-151.0	53.9	2.9	626.2	0.44	94.04
151.0-152.0	53.6	2.8	629.0	0.42	94.47
152.0-153.0	53.3	2.7	631.7	0.41	94.87
153.0-154.0	53.1	2.6	634.3	0.39	95.26
154.0-155.0	52.9	2.5	636.8	0.38	95.64
155.0-156.0	52.8	2.4	639.2	0.36	96.00
156.0-157.0	52.6	2.3	641.5	0.35	96.34
157.0-158.0	52.4	2.2	643.7	0.33	96.67
158.0-159.0	52.1	2.1	645.8	0.31	96.99
159.0-160.0	51.7	2.0	647.8	0.30	97.29

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	51.3	1.9	649.7	0.28	97.57
161.0-162.0	50.8	1.8	651.4	0.27	97.83
162.0-163.0	50.2	1.7	653.1	0.25	98.08
163.0-164.0	49.7	1.5	654.6	0.23	98.31
164.0-165.0	49.0	1.4	656.1	0.22	98.53
165.0-166.0	48.3	1.3	657.4	0.20	98.73
166.0-167.0	47.5	1.2	658.6	0.18	98.91
167.0-168.0	46.7	1.1	659.7	0.17	99.08
168.0-169.0	45.9	1.0	660.7	0.15	99.23
169.0-170.0	45.0	0.9	661.6	0.14	99.36
170.0-171.0	44.2	0.8	662.4	0.12	99.48
171.0-172.0	43.8	0.7	663.1	0.11	99.59
172.0-173.0	43.6	0.6	663.8	0.09	99.68
173.0-174.0	43.7	0.5	664.3	0.08	99.77
174.0-175.0	44.2	0.5	664.8	0.07	99.84
175.0-176.0	44.9	0.4	665.2	0.06	99.89
176.0-177.0	45.7	0.3	665.5	0.05	99.94
177.0-178.0	46.4	0.2	665.7	0.03	99.97
178.0-179.0	47.0	0.1	665.8	0.02	99.99
179.0-180.0	47.3	0.0	665.9	0.01	100.00