

Teamtronic Goniophotometer Test Report

Product Info

Luminaire : **Rizzato 171_satin silver_Opal_ø170x240_7W_927**

Manufacturer : **Teamtronic**

Nuber of Lamps : **1**

Lumens per Lamp : **0 lm**

Luminous Length : **170 mm**

Luminous Width : **0 mm**

Luminous Height : **240 mm**

Electric Parameters

Voltage : **231.40 V** Current : **0.0380 A** Power : **6.94 W** Power Factor : **0.785** Frequency : **50.00 Hz**

Photometric Parameters

CIE Class : **General Diffuse**

Measurement Flux : **565.7 lm**

Upward Ratio : **42.02 %**

Maximum Intensity : **59.89 cd**

Central Intensity : **32.49 cd**

Luminaire Efficacy Rating (LER) : **82**

Beam Angle (C0-C180,C90-C270) : **264.8 °, 246.2 °**

Field Angle (C0-C180,C90-C270) : **338.0 °, 337.2 °**

Total Rated Lamp Lumens : **565.7 lm**

Efficiency : **100.00 %**

Downward Ratio : **57.98 %**

Position Of Maximum Intensity : **C45° γ76°**

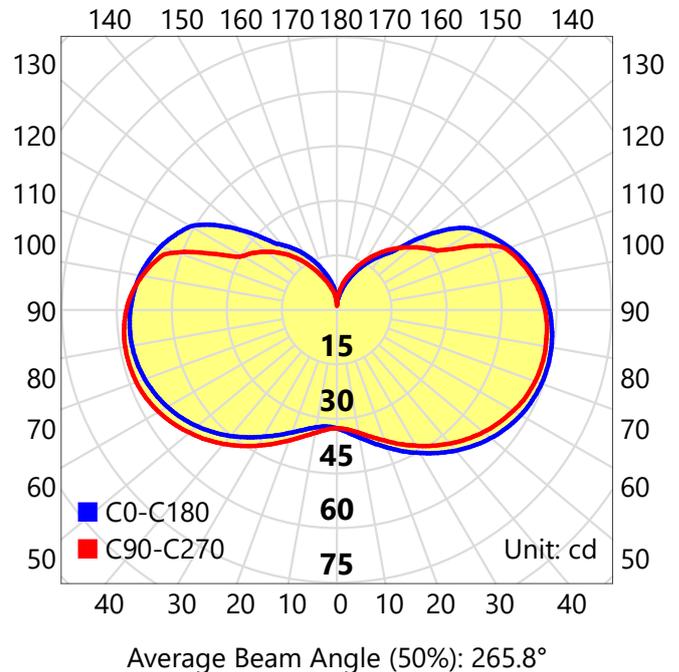
S/MH(C0-C180,C90-C270) : **2.14, 2.14**

Energy Efficiency Class : **G (EU 2019/2015 ηTM:82lm/W)**

Beam Angle (C45-C225,C135-C315) : **276.5 °, 275.9 °**

Field Angle (C45-C225,C135-C315) : **337.2 °, 334.5 °**

Here show photo of luminaire



Test Type : Type C Test Distance : 6.119 m

Test Device : Lisun LSG-1700B

Test Lab :

Test By : P. Nellemose

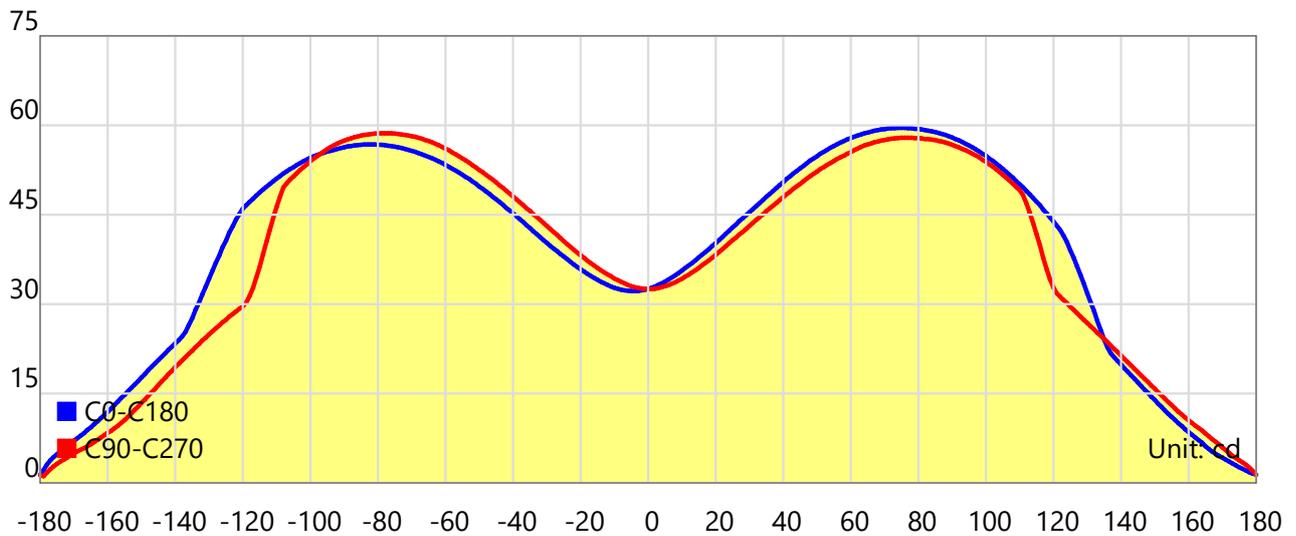
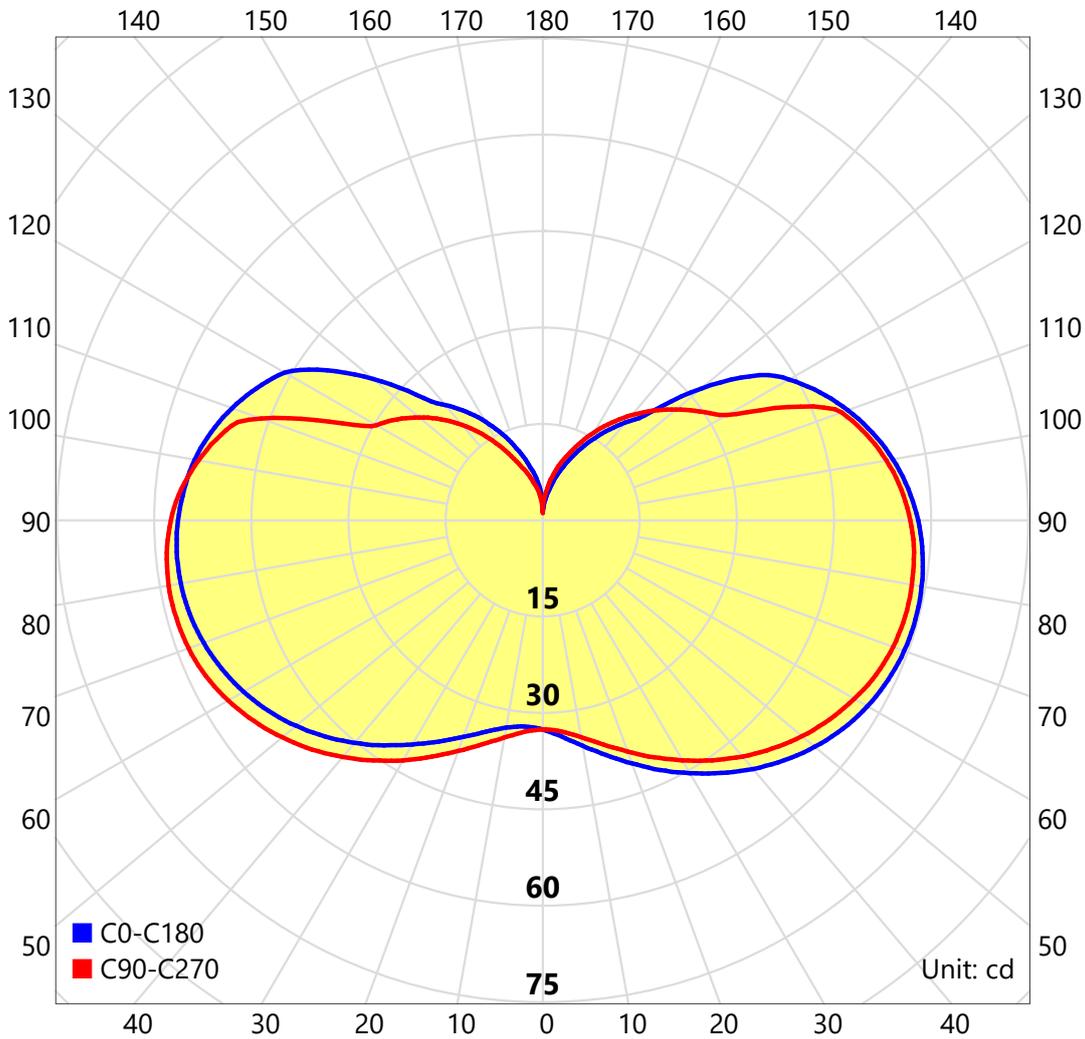
C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0

Temperature : 23.0°C

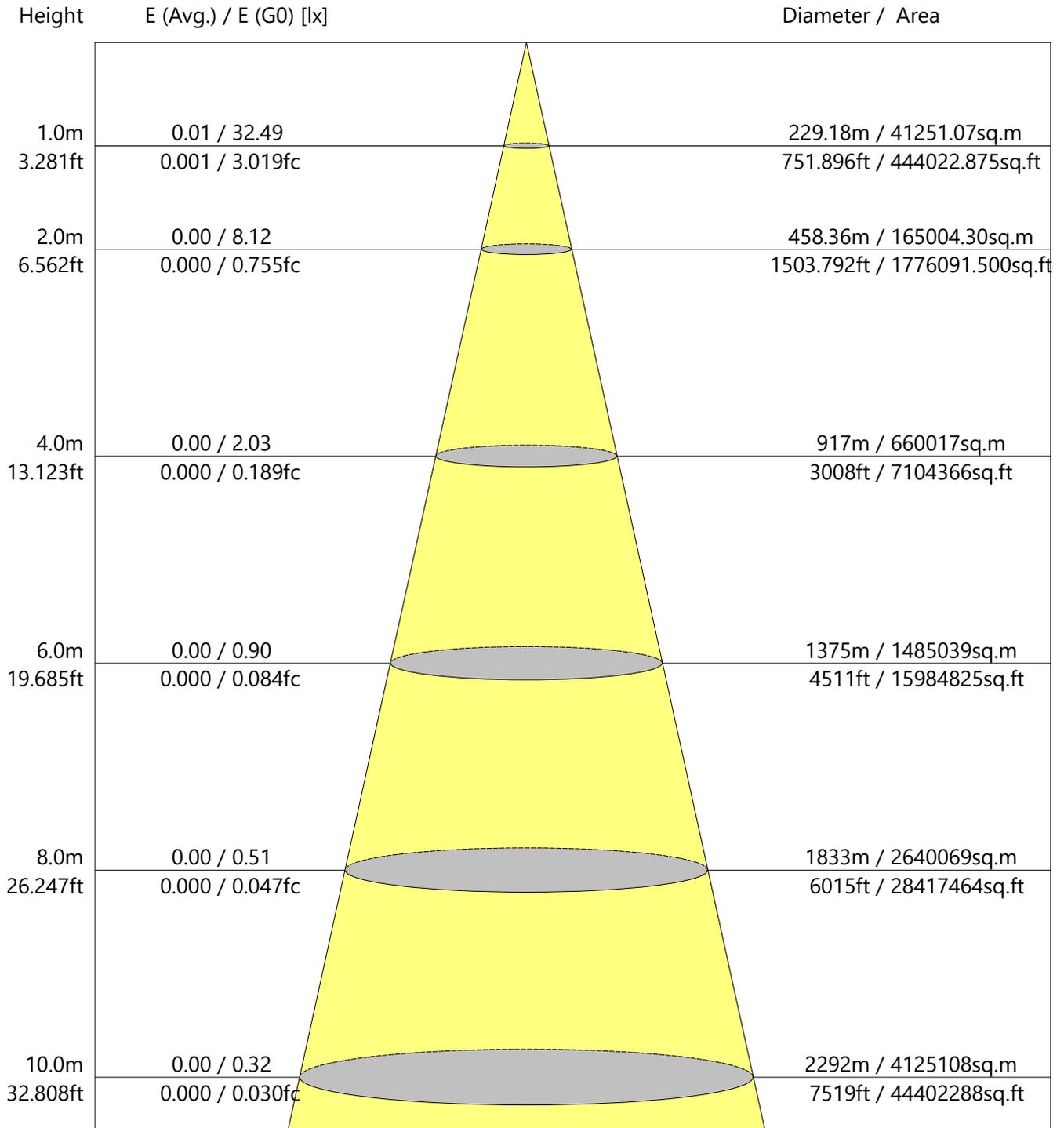
Humidity : 75.0%

Review By :

Light Distribution Curve



Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 527.66lm

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 %
0.0-1.0	32.5	0.0	0.0	0.01	0.01
1.0-2.0	32.5	0.1	0.1	0.02	0.02
2.0-3.0	32.6	0.2	0.3	0.03	0.05
3.0-4.0	32.7	0.2	0.5	0.04	0.09
4.0-5.0	32.9	0.3	0.8	0.05	0.14
5.0-6.0	33.0	0.3	1.1	0.06	0.20
6.0-7.0	33.2	0.4	1.5	0.07	0.27
7.0-8.0	33.5	0.5	2.0	0.08	0.36
8.0-9.0	33.7	0.5	2.6	0.10	0.45
9.0-10.0	34.0	0.6	3.2	0.11	0.56
10.0-11.0	34.3	0.7	3.9	0.12	0.68
11.0-12.0	34.6	0.8	4.6	0.13	0.82
12.0-13.0	35.0	0.8	5.5	0.15	0.96
13.0-14.0	35.3	0.9	6.4	0.16	1.12
14.0-15.0	35.7	1.0	7.3	0.17	1.30
15.0-16.0	36.1	1.1	8.4	0.19	1.48
16.0-17.0	36.5	1.1	9.5	0.20	1.69
17.0-18.0	36.9	1.2	10.8	0.22	1.90
18.0-19.0	37.4	1.3	12.1	0.23	2.13
19.0-20.0	37.8	1.4	13.4	0.24	2.38
20.0-21.0	38.2	1.5	14.9	0.26	2.64
21.0-22.0	38.7	1.6	16.5	0.27	2.91
22.0-23.0	39.2	1.6	18.1	0.29	3.20
23.0-24.0	39.7	1.7	19.8	0.31	3.51
24.0-25.0	40.2	1.8	21.7	0.32	3.83
25.0-26.0	40.6	1.9	23.6	0.34	4.17
26.0-27.0	41.1	2.0	25.6	0.36	4.52
27.0-28.0	41.6	2.1	27.7	0.37	4.90
28.0-29.0	42.1	2.2	29.9	0.39	5.29
29.0-30.0	42.6	2.3	32.2	0.41	5.69
30.0-31.0	43.1	2.4	34.6	0.42	6.12
31.0-32.0	43.6	2.5	37.1	0.44	6.56
32.0-33.0	44.1	2.6	39.7	0.46	7.02
33.0-34.0	44.5	2.7	42.4	0.48	7.49
34.0-35.0	45.1	2.8	45.2	0.49	7.99
35.0-36.0	45.6	2.9	48.1	0.51	8.50
36.0-37.0	46.0	3.0	51.1	0.53	9.03
37.0-38.0	46.5	3.1	54.2	0.55	9.58
38.0-39.0	47.0	3.2	57.4	0.57	10.15
39.0-40.0	47.5	3.3	60.7	0.59	10.73

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 %
40.0-41.0	48.0	3.4	64.1	0.60	11.34
41.0-42.0	48.4	3.5	67.7	0.62	11.96
42.0-43.0	48.9	3.6	71.3	0.64	12.60
43.0-44.0	49.4	3.7	75.0	0.66	13.26
44.0-45.0	49.8	3.8	78.8	0.68	13.93
45.0-46.0	50.2	3.9	82.8	0.69	14.63
46.0-47.0	50.7	4.0	86.8	0.71	15.34
47.0-48.0	51.1	4.1	90.9	0.73	16.07
48.0-49.0	51.5	4.2	95.2	0.75	16.82
49.0-50.0	51.9	4.3	99.5	0.76	17.58
50.0-51.0	52.3	4.4	103.9	0.78	18.37
51.0-52.0	52.7	4.5	108.4	0.80	19.16
52.0-53.0	53.0	4.6	113.0	0.82	19.98
53.0-54.0	53.4	4.7	117.7	0.83	20.81
54.0-55.0	53.8	4.8	122.5	0.85	21.66
55.0-56.0	54.1	4.9	127.4	0.86	22.52
56.0-57.0	54.4	5.0	132.4	0.88	23.40
57.0-58.0	54.7	5.1	137.5	0.89	24.30
58.0-59.0	55.0	5.1	142.6	0.91	25.21
59.0-60.0	55.3	5.2	147.8	0.92	26.13
60.0-61.0	55.6	5.3	153.1	0.94	27.07
61.0-62.0	55.8	5.4	158.5	0.95	28.02
62.0-63.0	56.1	5.5	164.0	0.96	28.99
63.0-64.0	56.3	5.5	169.5	0.98	29.96
64.0-65.0	56.5	5.6	175.1	0.99	30.95
65.0-66.0	56.7	5.7	180.8	1.00	31.95
66.0-67.0	56.9	5.7	186.5	1.01	32.96
67.0-68.0	57.1	5.8	192.3	1.02	33.99
68.0-69.0	57.2	5.8	198.1	1.03	35.02
69.0-70.0	57.4	5.9	204.0	1.04	36.06
70.0-71.0	57.5	5.9	209.9	1.05	37.11
71.0-72.0	57.6	6.0	215.9	1.06	38.17
72.0-73.0	57.7	6.0	222.0	1.07	39.24
73.0-74.0	57.8	6.1	228.1	1.07	40.31
74.0-75.0	57.9	6.1	234.2	1.08	41.39
75.0-76.0	57.9	6.1	240.3	1.09	42.48
76.0-77.0	57.9	6.2	246.5	1.09	43.57
77.0-78.0	58.0	6.2	252.7	1.10	44.67
78.0-79.0	58.0	6.2	258.9	1.10	45.77
79.0-80.0	58.0	6.2	265.2	1.10	46.87

Zonal Flux

Gamma °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
80.0-81.0	57.9	6.3	271.4	1.11	47.98
81.0-82.0	57.9	6.3	277.7	1.11	49.09
82.0-83.0	57.8	6.3	284.0	1.11	50.20
83.0-84.0	57.8	6.3	290.3	1.11	51.31
84.0-85.0	57.7	6.3	296.6	1.11	52.43
85.0-86.0	57.6	6.3	302.9	1.11	53.54
86.0-87.0	57.5	6.3	309.2	1.11	54.65
87.0-88.0	57.4	6.3	315.5	1.11	55.76
88.0-89.0	57.2	6.3	321.8	1.11	56.87
89.0-90.0	57.1	6.3	328.0	1.11	57.98
90.0-91.0	56.9	6.2	334.3	1.10	59.08
91.0-92.0	56.7	6.2	340.5	1.10	60.18
92.0-93.0	56.4	6.2	346.6	1.09	61.27
93.0-94.0	56.2	6.1	352.8	1.09	62.36
94.0-95.0	55.9	6.1	358.9	1.08	63.44
95.0-96.0	55.6	6.1	365.0	1.07	64.51
96.0-97.0	55.3	6.0	371.0	1.07	65.58
97.0-98.0	55.0	6.0	377.0	1.06	66.64
98.0-99.0	54.7	5.9	382.9	1.05	67.68
99.0-100.0	54.3	5.9	388.8	1.04	68.72
100.0-101.0	53.9	5.8	394.6	1.03	69.75
101.0-102.0	53.5	5.8	400.4	1.02	70.77
102.0-103.0	53.1	5.7	406.1	1.01	71.77
103.0-104.0	52.7	5.6	411.7	0.99	72.77
104.0-105.0	52.2	5.5	417.2	0.98	73.75
105.0-106.0	51.8	5.5	422.7	0.97	74.71
106.0-107.0	51.3	5.4	428.1	0.95	75.67
107.0-108.0	50.8	5.3	433.4	0.94	76.61
108.0-109.0	50.2	5.2	438.6	0.92	77.53
109.0-110.0	49.5	5.1	443.7	0.91	78.43
110.0-111.0	48.9	5.0	448.7	0.89	79.32
111.0-112.0	48.1	4.9	453.7	0.87	80.19
112.0-113.0	47.2	4.8	458.4	0.85	81.03
113.0-114.0	46.3	4.7	463.1	0.82	81.86
114.0-115.0	45.4	4.5	467.6	0.80	82.66
115.0-116.0	44.5	4.4	472.0	0.78	83.43
116.0-117.0	43.5	4.3	476.3	0.76	84.19
117.0-118.0	42.6	4.1	480.4	0.73	84.92
118.0-119.0	41.8	4.0	484.5	0.71	85.63
119.0-120.0	41.0	3.9	488.4	0.69	86.32

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 °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
120.0-121.0	40.2	3.8	492.2	0.67	87.00
121.0-122.0	39.5	3.7	495.9	0.65	87.65
122.0-123.0	38.8	3.6	499.5	0.63	88.28
123.0-124.0	38.1	3.5	502.9	0.62	88.90
124.0-125.0	37.3	3.4	506.3	0.60	89.49
125.0-126.0	36.4	3.3	509.6	0.58	90.07
126.0-127.0	35.6	3.1	512.7	0.55	90.62
127.0-128.0	34.8	3.0	515.7	0.53	91.16
128.0-129.0	33.9	2.9	518.6	0.51	91.67
129.0-130.0	33.0	2.8	521.4	0.49	92.17
130.0-131.0	32.1	2.7	524.1	0.47	92.64
131.0-132.0	31.3	2.6	526.7	0.45	93.10
132.0-133.0	30.4	2.5	529.1	0.43	93.53
133.0-134.0	29.5	2.3	531.5	0.41	93.94
134.0-135.0	28.6	2.2	533.7	0.40	94.34
135.0-136.0	27.7	2.1	535.8	0.38	94.72
136.0-137.0	26.9	2.0	537.9	0.36	95.07
137.0-138.0	26.1	1.9	539.8	0.34	95.42
138.0-139.0	25.4	1.8	541.7	0.33	95.74
139.0-140.0	24.7	1.8	543.4	0.31	96.05
140.0-141.0	24.0	1.7	545.1	0.30	96.35
141.0-142.0	23.3	1.6	546.7	0.28	96.63
142.0-143.0	22.6	1.5	548.2	0.27	96.90
143.0-144.0	21.9	1.4	549.6	0.25	97.15
144.0-145.0	21.2	1.3	551.0	0.24	97.39
145.0-146.0	20.4	1.3	552.2	0.22	97.61
146.0-147.0	19.7	1.2	553.4	0.21	97.82
147.0-148.0	19.1	1.1	554.5	0.20	98.02
148.0-149.0	18.3	1.1	555.6	0.19	98.20
149.0-150.0	17.6	1.0	556.6	0.17	98.38
150.0-151.0	16.9	0.9	557.5	0.16	98.54
151.0-152.0	16.2	0.9	558.3	0.15	98.69
152.0-153.0	15.6	0.8	559.1	0.14	98.83
153.0-154.0	14.9	0.7	559.9	0.13	98.96
154.0-155.0	14.2	0.7	560.5	0.12	99.08
155.0-156.0	13.5	0.6	561.1	0.11	99.19
156.0-157.0	12.8	0.6	561.7	0.10	99.28
157.0-158.0	12.1	0.5	562.2	0.09	99.37
158.0-159.0	11.5	0.5	562.7	0.08	99.46
159.0-160.0	10.8	0.4	563.1	0.07	99.53

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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	10.2	0.4	563.5	0.07	99.60
161.0-162.0	9.6	0.3	563.8	0.06	99.65
162.0-163.0	9.0	0.3	564.1	0.05	99.71
163.0-164.0	8.5	0.3	564.3	0.05	99.75
164.0-165.0	7.9	0.2	564.6	0.04	99.79
165.0-166.0	7.4	0.2	564.8	0.04	99.83
166.0-167.0	7.0	0.2	565.0	0.03	99.86
167.0-168.0	6.5	0.2	565.1	0.03	99.89
168.0-169.0	6.1	0.1	565.3	0.02	99.91
169.0-170.0	5.6	0.1	565.4	0.02	99.93
170.0-171.0	5.2	0.1	565.5	0.02	99.95
171.0-172.0	4.7	0.1	565.5	0.01	99.96
172.0-173.0	4.3	0.1	565.6	0.01	99.97
173.0-174.0	3.9	0.0	565.6	0.01	99.98
174.0-175.0	3.5	0.0	565.7	0.01	99.99
175.0-176.0	3.1	0.0	565.7	0.00	99.99
176.0-177.0	2.7	0.0	565.7	0.00	100.00
177.0-178.0	2.3	0.0	565.7	0.00	100.00
178.0-179.0	2.0	0.0	565.7	0.00	100.00
179.0-180.0	1.7	0.0	565.7	0.00	100.00