

Teamtronic Goniophotometer Test Report

Product Info

Luminaire: **Petalii 10_ø1000x400_36.9W_Opal_927**

Manufacturer: **Teamtronic**

Nuber of Lamps: **1**

Lumens per Lamp: **0 lm**

Luminous Length: **1000 mm**

Luminous Width: **0 mm**

Luminous Height: **400 mm**

Electric Parameters

Voltage: **231.00 V** Current: **0.1760 A** Power: **36.82 W** Power Factor: **0.906** Frequency: **50.00 Hz**

Photometric Parameters

CIE Class: **Semi-Direct**

Measurement Flux: **3160.8 lm**

Upward Ratio: **34.52 %**

Maximum Intensity: **385.52 cd**

Central Intensity: **333.42 cd**

Luminaire Efficacy Rating (LER): **86**

Beam Angle (C0-C180,C90-C270): **232.3 °, 241.2 °**

Field Angle (C0-C180,C90-C270): **310.5 °, 309.0 °**

Total Rated Lamp Lumens: **3160.8 lm**

Efficiency: **100.00 %**

Downward Ratio: **65.48 %**

Position Of Maximum Intensity: **C225° γ55°**

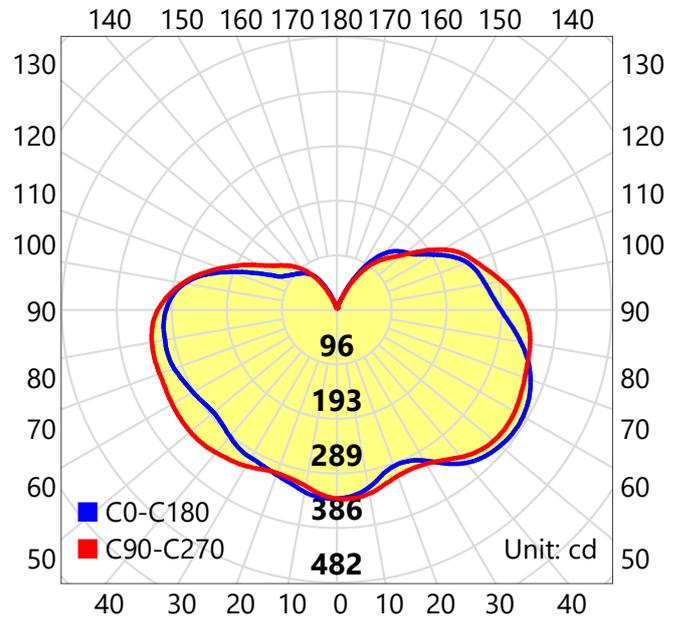
S/MH(C0-C180,C90-C270): **1.46, 1.51**

Energy Efficiency Class: **F (EU 2019/2015 η_{TM}:86lm/W)**

Beam Angle (C45-C225,C135-C315): **235.3 °, 236.8 °**

Field Angle (C45-C225,C135-C315): **309.3 °, 308.7 °**

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

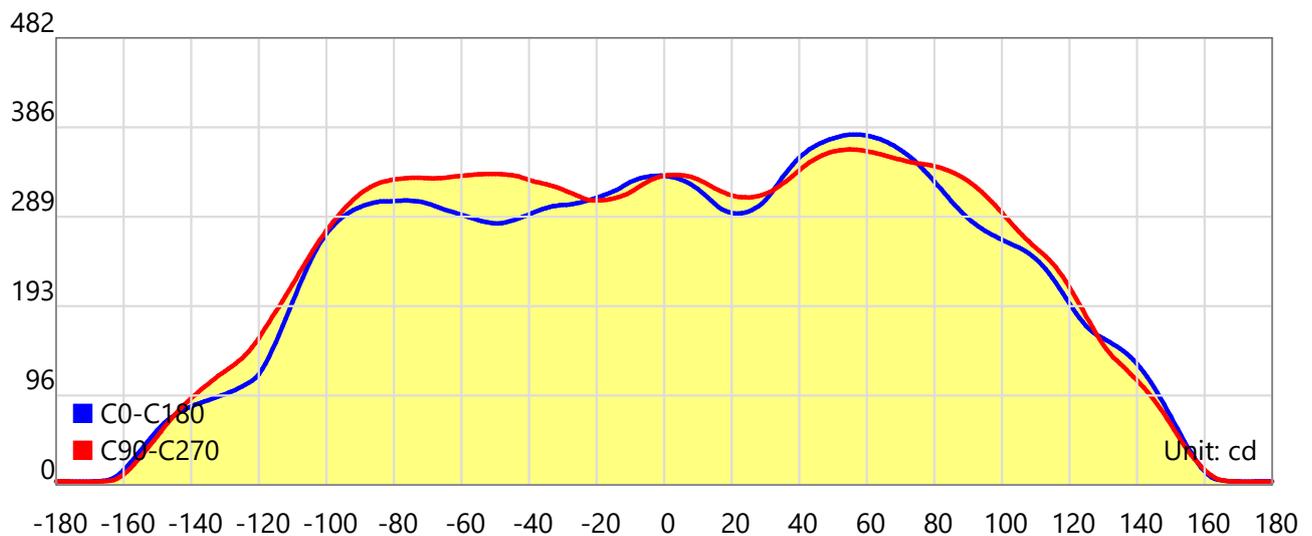
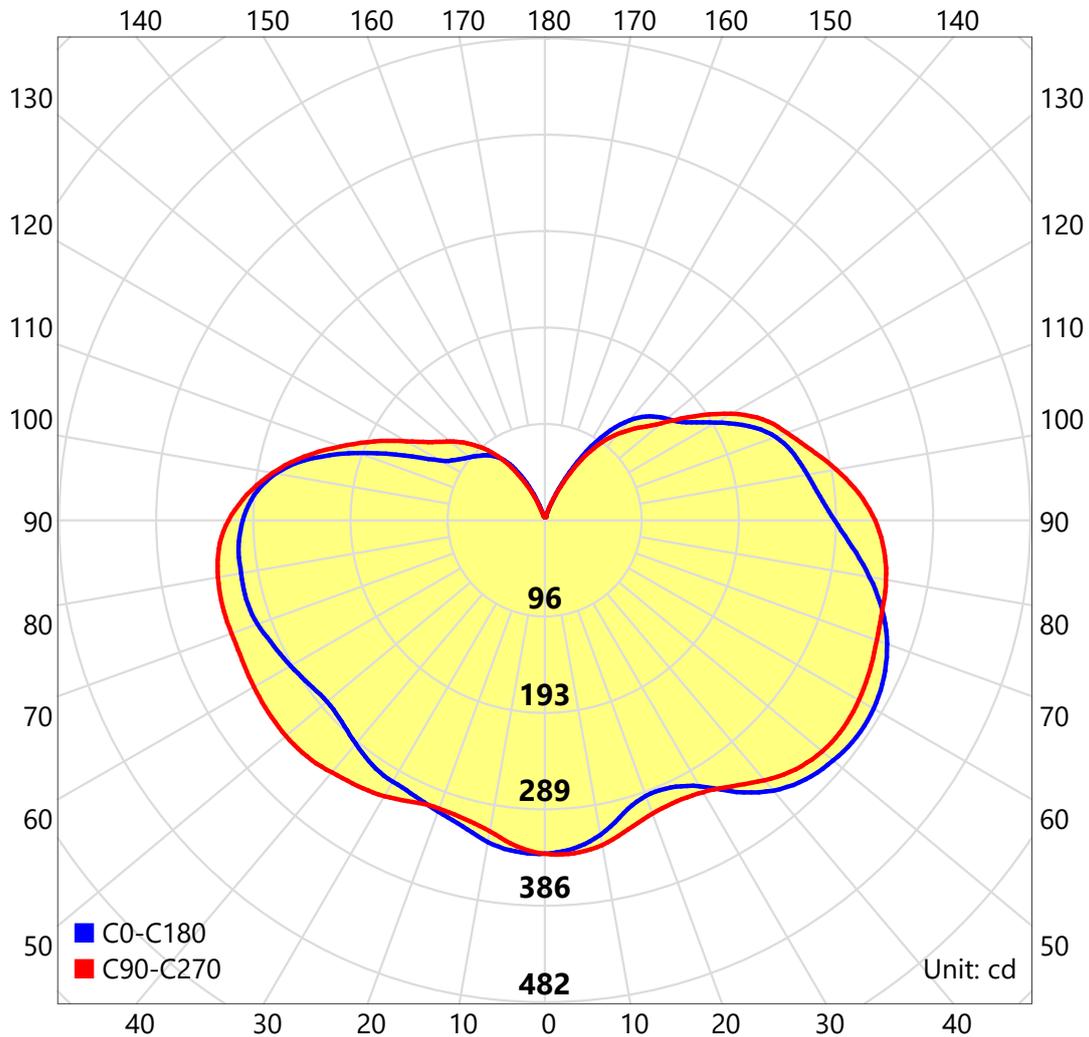
C Plane (°): 0.0-360.0:45.0 γ (°): 0.0-180.0:1.0

Temperature: 23.0°C

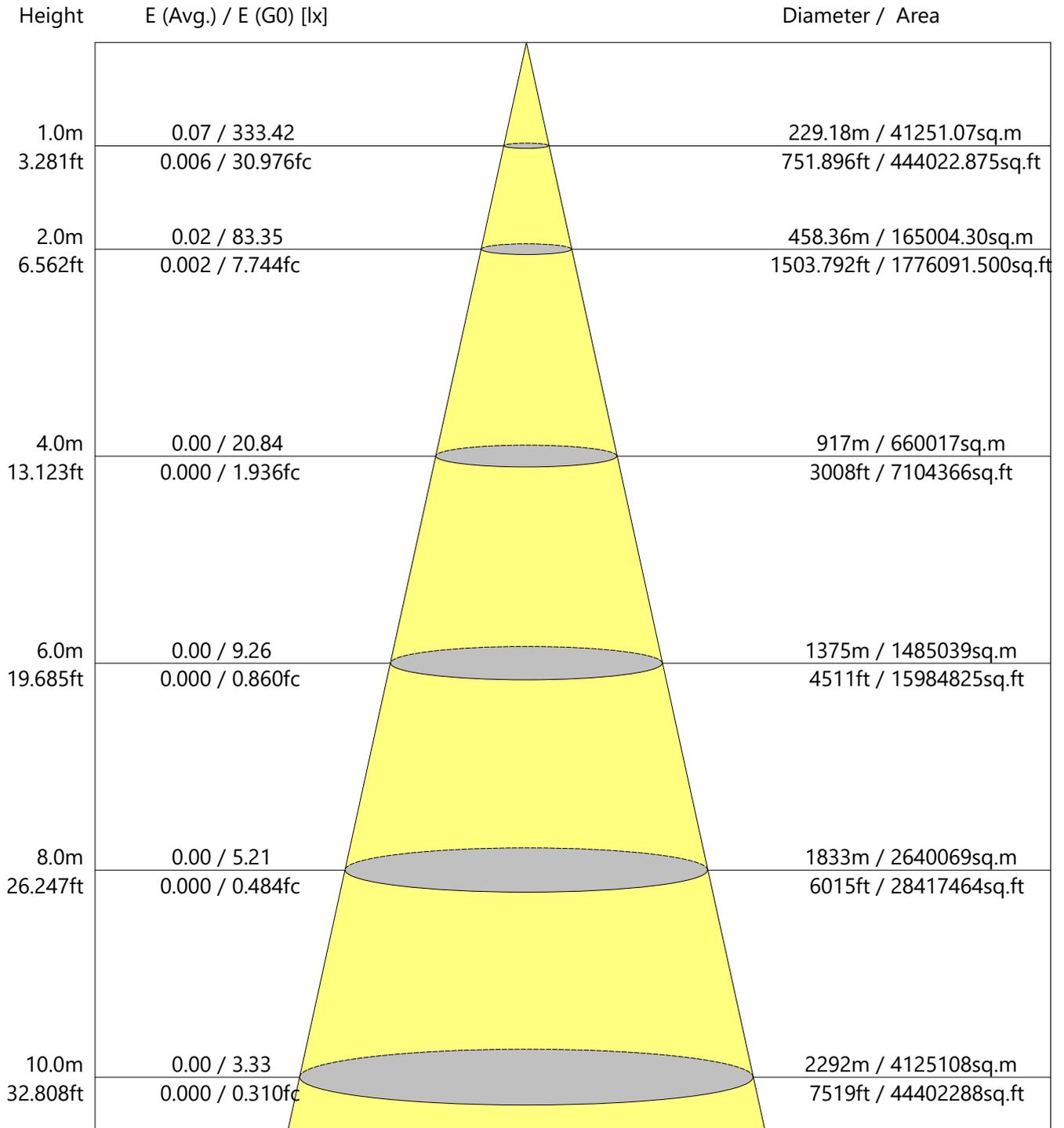
Humidity: 75.0%

Review By:

Light Distribution Curve



Average Illuminance Effective Figure



Beam Angle: 179° Flux Out: 2791.50lm

Zonal Flux

Gamma °	I _{mean} cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
0.0-1.0	333.3	0.3	0.3	0.01	0.01
1.0-2.0	333.1	1.0	1.3	0.03	0.04
2.0-3.0	332.7	1.6	2.9	0.05	0.09
3.0-4.0	332.0	2.2	5.1	0.07	0.16
4.0-5.0	331.2	2.8	7.9	0.09	0.25
5.0-6.0	330.0	3.5	11.4	0.11	0.36
6.0-7.0	328.7	4.1	15.5	0.13	0.49
7.0-8.0	327.2	4.7	20.2	0.15	0.64
8.0-9.0	325.5	5.3	25.4	0.17	0.81
9.0-10.0	323.6	5.9	31.3	0.19	0.99
10.0-11.0	321.5	6.4	37.7	0.20	1.19
11.0-12.0	319.3	7.0	44.7	0.22	1.41
12.0-13.0	317.3	7.5	52.2	0.24	1.65
13.0-14.0	315.2	8.1	60.3	0.26	1.91
14.0-15.0	313.3	8.6	68.9	0.27	2.18
15.0-16.0	311.5	9.1	78.0	0.29	2.47
16.0-17.0	310.0	9.7	87.7	0.31	2.77
17.0-18.0	308.8	10.2	97.9	0.32	3.10
18.0-19.0	307.8	10.7	108.6	0.34	3.44
19.0-20.0	306.9	11.2	119.8	0.36	3.79
20.0-21.0	306.2	11.8	131.6	0.37	4.16
21.0-22.0	305.8	12.3	143.9	0.39	4.55
22.0-23.0	305.6	12.8	156.7	0.41	4.96
23.0-24.0	305.6	13.4	170.1	0.42	5.38
24.0-25.0	305.9	13.9	184.0	0.44	5.82
25.0-26.0	306.5	14.5	198.4	0.46	6.28
26.0-27.0	307.3	15.0	213.5	0.48	6.75
27.0-28.0	308.4	15.6	229.1	0.49	7.25
28.0-29.0	309.6	16.2	245.3	0.51	7.76
29.0-30.0	311.1	16.8	262.1	0.53	8.29
30.0-31.0	312.7	17.4	279.5	0.55	8.84
31.0-32.0	314.3	18.0	297.5	0.57	9.41
32.0-33.0	316.0	18.6	316.1	0.59	10.00
33.0-34.0	317.7	19.2	335.4	0.61	10.61
34.0-35.0	319.5	19.8	355.2	0.63	11.24
35.0-36.0	321.2	20.5	375.7	0.65	11.88
36.0-37.0	322.8	21.1	396.7	0.67	12.55
37.0-38.0	324.5	21.7	418.4	0.69	13.24
38.0-39.0	326.2	22.3	440.6	0.70	13.94
39.0-40.0	327.8	22.9	463.5	0.72	14.66

Zonal Flux

Gamma °	lmean cd	Zonal Flux lm	Sum Zonal Flux lm	Rel Zonal Flux %	Sum Rel Zonal Flux %
40.0-41.0	329.5	23.5	487.0	0.74	15.41
41.0-42.0	330.9	24.0	511.0	0.76	16.17
42.0-43.0	332.4	24.6	535.6	0.78	16.95
43.0-44.0	333.7	25.2	560.8	0.80	17.74
44.0-45.0	334.7	25.7	586.6	0.81	18.56
45.0-46.0	335.7	26.3	612.8	0.83	19.39
46.0-47.0	336.6	26.8	639.6	0.85	20.24
47.0-48.0	337.4	27.3	666.9	0.86	21.10
48.0-49.0	338.2	27.8	694.6	0.88	21.98
49.0-50.0	338.8	28.3	722.9	0.89	22.87
50.0-51.0	339.5	28.7	751.6	0.91	23.78
51.0-52.0	340.2	29.2	780.8	0.92	24.70
52.0-53.0	340.8	29.6	810.5	0.94	25.64
53.0-54.0	341.3	30.1	840.6	0.95	26.59
54.0-55.0	341.8	30.5	871.1	0.97	27.56
55.0-56.0	342.2	30.9	902.0	0.98	28.54
56.0-57.0	342.4	31.3	933.3	0.99	29.53
57.0-58.0	342.6	31.7	965.0	1.00	30.53
58.0-59.0	342.8	32.1	997.1	1.01	31.54
59.0-60.0	342.9	32.4	1029.5	1.02	32.57
60.0-61.0	342.9	32.7	1062.2	1.04	33.60
61.0-62.0	342.8	33.0	1095.2	1.05	34.65
62.0-63.0	342.5	33.3	1128.5	1.05	35.70
63.0-64.0	342.3	33.6	1162.1	1.06	36.77
64.0-65.0	341.9	33.8	1196.0	1.07	37.84
65.0-66.0	341.5	34.1	1230.0	1.08	38.92
66.0-67.0	341.1	34.3	1264.3	1.09	40.00
67.0-68.0	340.6	34.5	1298.8	1.09	41.09
68.0-69.0	340.0	34.7	1333.5	1.10	42.19
69.0-70.0	339.4	34.9	1368.4	1.10	43.29
70.0-71.0	338.8	35.0	1403.4	1.11	44.40
71.0-72.0	338.0	35.2	1438.6	1.11	45.51
72.0-73.0	337.1	35.3	1473.8	1.12	46.63
73.0-74.0	336.1	35.3	1509.2	1.12	47.75
74.0-75.0	335.0	35.4	1544.6	1.12	48.87
75.0-76.0	333.8	35.4	1580.0	1.12	49.99
76.0-77.0	332.5	35.5	1615.5	1.12	51.11
77.0-78.0	331.1	35.4	1650.9	1.12	52.23
78.0-79.0	329.7	35.4	1686.4	1.12	53.35
79.0-80.0	328.3	35.4	1721.8	1.12	54.47

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	326.8	35.3	1757.1	1.12	55.59
81.0-82.0	325.4	35.3	1792.4	1.12	56.71
82.0-83.0	323.8	35.2	1827.6	1.11	57.82
83.0-84.0	322.1	35.1	1862.7	1.11	58.93
84.0-85.0	320.3	35.0	1897.6	1.11	60.04
85.0-86.0	318.3	34.8	1932.4	1.10	61.14
86.0-87.0	316.3	34.6	1967.1	1.10	62.23
87.0-88.0	314.2	34.4	2001.5	1.09	63.32
88.0-89.0	311.9	34.2	2035.7	1.08	64.40
89.0-90.0	309.5	33.9	2069.6	1.07	65.48
90.0-91.0	306.9	33.7	2103.3	1.06	66.54
91.0-92.0	304.2	33.4	2136.6	1.06	67.60
92.0-93.0	301.4	33.0	2169.6	1.04	68.64
93.0-94.0	298.4	32.7	2202.3	1.03	69.67
94.0-95.0	295.5	32.3	2234.6	1.02	70.70
95.0-96.0	292.4	31.9	2266.5	1.01	71.71
96.0-97.0	289.0	31.5	2298.0	1.00	72.70
97.0-98.0	285.7	31.1	2329.1	0.98	73.69
98.0-99.0	282.1	30.6	2359.7	0.97	74.65
99.0-100.0	278.4	30.1	2389.8	0.95	75.61
100.0-101.0	274.5	29.6	2419.4	0.94	76.54
101.0-102.0	270.5	29.1	2448.4	0.92	77.46
102.0-103.0	266.4	28.5	2477.0	0.90	78.36
103.0-104.0	262.0	27.9	2504.9	0.88	79.25
104.0-105.0	257.5	27.3	2532.2	0.86	80.11
105.0-106.0	252.8	26.7	2559.0	0.85	80.96
106.0-107.0	248.0	26.1	2585.0	0.82	81.78
107.0-108.0	243.2	25.4	2610.5	0.80	82.59
108.0-109.0	238.1	24.8	2635.2	0.78	83.37
109.0-110.0	232.9	24.1	2659.3	0.76	84.13
110.0-111.0	227.8	23.4	2682.7	0.74	84.87
111.0-112.0	222.5	22.7	2705.4	0.72	85.59
112.0-113.0	217.1	22.0	2727.4	0.70	86.29
113.0-114.0	211.5	21.3	2748.6	0.67	86.96
114.0-115.0	205.7	20.5	2769.2	0.65	87.61
115.0-116.0	200.1	19.8	2789.0	0.63	88.24
116.0-117.0	194.2	19.1	2808.0	0.60	88.84
117.0-118.0	188.2	18.3	2826.3	0.58	89.42
118.0-119.0	182.5	17.6	2843.9	0.56	89.97
119.0-120.0	176.6	16.9	2860.8	0.53	90.51

Test Type : Type C Test Distance : 6.119 m
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 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	170.9	16.1	2876.9	0.51	91.02
121.0-122.0	165.5	15.5	2892.4	0.49	91.51
122.0-123.0	160.2	14.8	2907.2	0.47	91.98
123.0-124.0	155.3	14.2	2921.4	0.45	92.43
124.0-125.0	150.6	13.6	2935.0	0.43	92.86
125.0-126.0	146.2	13.1	2948.1	0.41	93.27
126.0-127.0	142.3	12.5	2960.6	0.40	93.67
127.0-128.0	138.7	12.1	2972.7	0.38	94.05
128.0-129.0	135.5	11.6	2984.3	0.37	94.42
129.0-130.0	132.4	11.2	2995.5	0.35	94.77
130.0-131.0	129.6	10.8	3006.3	0.34	95.11
131.0-132.0	127.0	10.4	3016.7	0.33	95.44
132.0-133.0	124.3	10.1	3026.8	0.32	95.76
133.0-134.0	121.8	9.7	3036.5	0.31	96.07
134.0-135.0	119.4	9.3	3045.8	0.30	96.36
135.0-136.0	116.8	9.0	3054.8	0.28	96.65
136.0-137.0	114.2	8.6	3063.4	0.27	96.92
137.0-138.0	111.5	8.3	3071.7	0.26	97.18
138.0-139.0	108.6	7.9	3079.6	0.25	97.43
139.0-140.0	105.7	7.5	3087.1	0.24	97.67
140.0-141.0	102.5	7.2	3094.3	0.23	97.89
141.0-142.0	99.1	6.8	3101.0	0.21	98.11
142.0-143.0	95.6	6.4	3107.4	0.20	98.31
143.0-144.0	91.8	6.0	3113.4	0.19	98.50
144.0-145.0	87.8	5.6	3119.0	0.18	98.68
145.0-146.0	83.6	5.2	3124.2	0.16	98.84
146.0-147.0	79.1	4.8	3129.0	0.15	98.99
147.0-148.0	74.5	4.4	3133.3	0.14	99.13
148.0-149.0	69.5	4.0	3137.3	0.13	99.26
149.0-150.0	64.4	3.6	3140.9	0.11	99.37
150.0-151.0	59.2	3.2	3144.1	0.10	99.47
151.0-152.0	53.9	2.8	3146.9	0.09	99.56
152.0-153.0	48.7	2.5	3149.4	0.08	99.64
153.0-154.0	43.4	2.1	3151.5	0.07	99.71
154.0-155.0	38.2	1.8	3153.3	0.06	99.76
155.0-156.0	33.3	1.5	3154.8	0.05	99.81
156.0-157.0	28.6	1.2	3156.1	0.04	99.85
157.0-158.0	24.0	1.0	3157.1	0.03	99.88
158.0-159.0	19.9	0.8	3157.9	0.03	99.91
159.0-160.0	16.1	0.6	3158.5	0.02	99.93

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 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	13.0	0.5	3159.0	0.02	99.94
161.0-162.0	10.2	0.4	3159.3	0.01	99.95
162.0-163.0	8.0	0.3	3159.6	0.01	99.96
163.0-164.0	6.5	0.2	3159.8	0.01	99.97
164.0-165.0	5.4	0.2	3160.0	0.01	99.97
165.0-166.0	4.8	0.1	3160.1	0.00	99.98
166.0-167.0	4.4	0.1	3160.2	0.00	99.98
167.0-168.0	4.1	0.1	3160.3	0.00	99.98
168.0-169.0	3.9	0.1	3160.4	0.00	99.99
169.0-170.0	3.8	0.1	3160.5	0.00	99.99
170.0-171.0	3.7	0.1	3160.5	0.00	99.99
171.0-172.0	3.7	0.1	3160.6	0.00	99.99
172.0-173.0	3.7	0.1	3160.7	0.00	99.99
173.0-174.0	3.7	0.0	3160.7	0.00	100.00
174.0-175.0	3.7	0.0	3160.7	0.00	100.00
175.0-176.0	3.8	0.0	3160.8	0.00	100.00
176.0-177.0	3.8	0.0	3160.8	0.00	100.00
177.0-178.0	3.8	0.0	3160.8	0.00	100.00
178.0-179.0	3.8	0.0	3160.8	0.00	100.00
179.0-180.0	3.8	0.0	3160.8	0.00	100.00