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LumCAT:

Luminaire:

Report No:

Test No:

LampCAT:

Lamp flux(lm): 1669.2

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 120.07

Current(A): 0.2063

Power (W): 22.2540

PF: 0.8984

Ballast type:

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1669.21

Efficiency(%): 100.00%

Lumens(lm)/Power(W): 75.01

Central intensity(cd): 544.348

Maximum intensity(cd): 544.348

Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

Beam Angle(50%Imax): [C0/180]Total=117.9

[C90/270]Total=118.4

Field angle(10%Imax): [C0/180]Total=163.3

[C90/270]Total=163.6

Maximum s/h(1/2): C0_180=1.34 C90_270=1.34

Maximum s/h(1/4): C0_180=1.91 C90_270=1.44

Up flux rate of lamp(%): 0.53%

Down flux rate of lamp(%): 99.47%

Up flux rate of LUM(%): 0.53%

Down flux rate of LUM(%): 99.47%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 77.749%

Zonal flux distribution table

Page: 2 Total:7

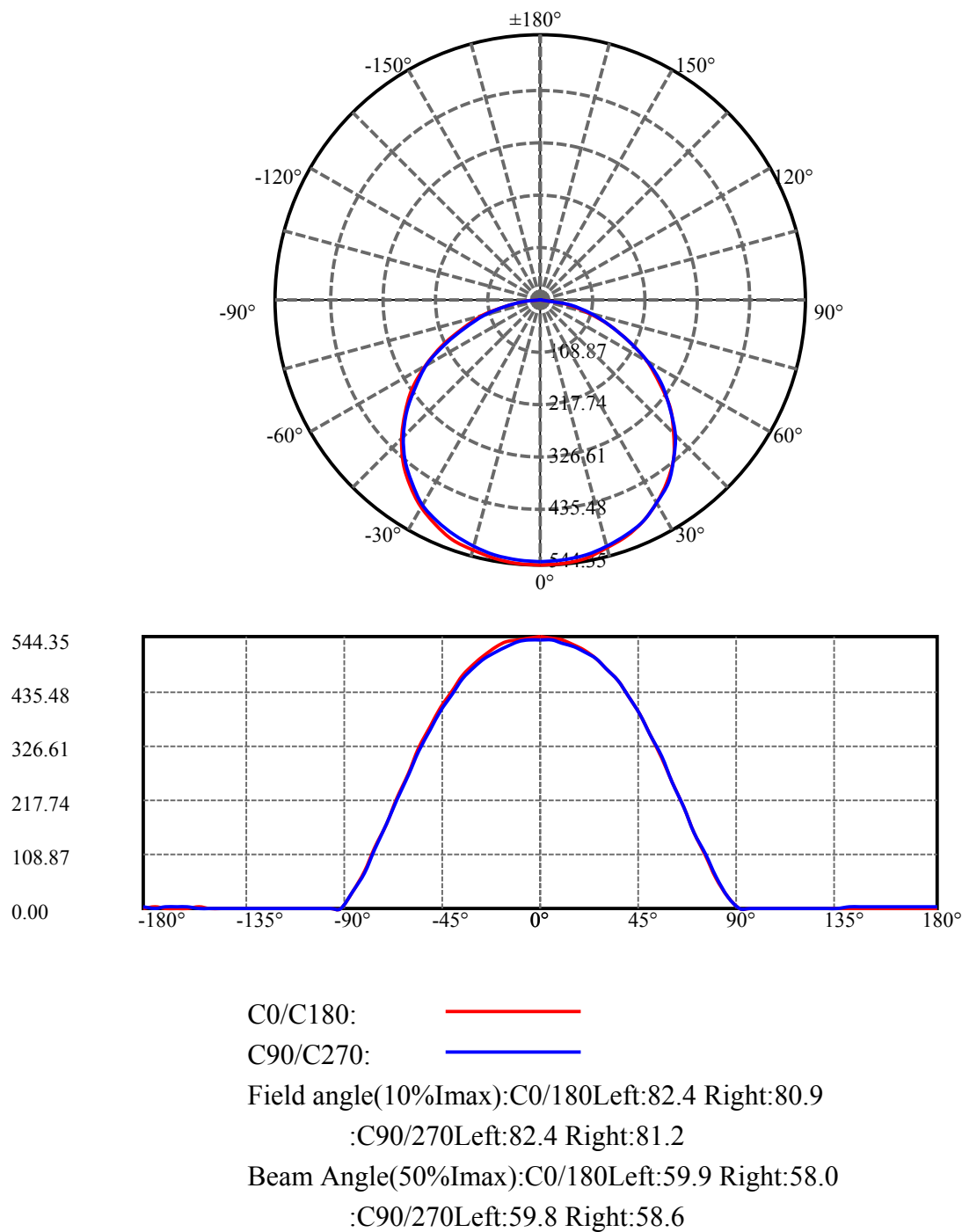
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	539.337	.000	.000	.000%	.000%
5.0	538.032	12.880	12.880	.772%	.772%
10.0	534.117	38.354	51.234	2.298%	3.069%
15.0	526.548	62.918	114.152	3.769%	6.839%
20.0	515.768	85.901	200.053	5.146%	11.985%
25.0	501.152	106.656	306.709	6.390%	18.375%
30.0	482.517	124.484	431.193	7.458%	25.832%
35.0	458.557	138.580	569.773	8.302%	34.134%
40.0	429.350	148.141	717.914	8.875%	43.009%
45.0	394.193	152.486	870.399	9.135%	52.144%
50.0	354.103	151.204	1021.604	9.058%	61.203%
55.0	309.498	144.289	1165.892	8.644%	69.847%
60.0	261.160	131.906	1297.798	7.902%	77.749%
65.0	210.734	114.718	1412.517	6.873%	84.622%
70.0	160.491	93.997	1506.513	5.631%	90.253%
75.0	112.362	71.319	1577.833	4.273%	94.526%
80.0	67.809	48.209	1626.041	2.888%	97.414%
85.0	28.319	26.120	1652.161	1.565%	98.979%
90.0	1.383	8.133	1660.294	.487%	99.466%
95.0	1.122	.686	1660.980	.041%	99.507%
100.0	1.122	.610	1661.590	.037%	99.543%
105.0	1.149	.608	1662.197	.036%	99.580%
110.0	1.148	.600	1662.798	.036%	99.616%
115.0	1.305	.621	1663.419	.037%	99.653%
120.0	1.435	.666	1664.085	.040%	99.693%
125.0	1.462	.670	1664.755	.040%	99.733%
130.0	1.514	.647	1665.402	.039%	99.772%
135.0	1.540	.617	1666.019	.037%	99.809%
140.0	1.670	.594	1666.613	.036%	99.844%
145.0	1.670	.557	1667.171	.033%	99.878%
150.0	1.723	.500	1667.670	.030%	99.908%
155.0	1.827	.449	1668.120	.027%	99.935%
160.0	1.879	.389	1668.508	.023%	99.958%
165.0	1.827	.305	1668.814	.018%	99.976%
170.0	1.827	.217	1669.030	.013%	99.989%
175.0	1.879	.133	1669.163	.008%	99.997%
180.0	1.827	.044	1669.207	.003%	100.000%

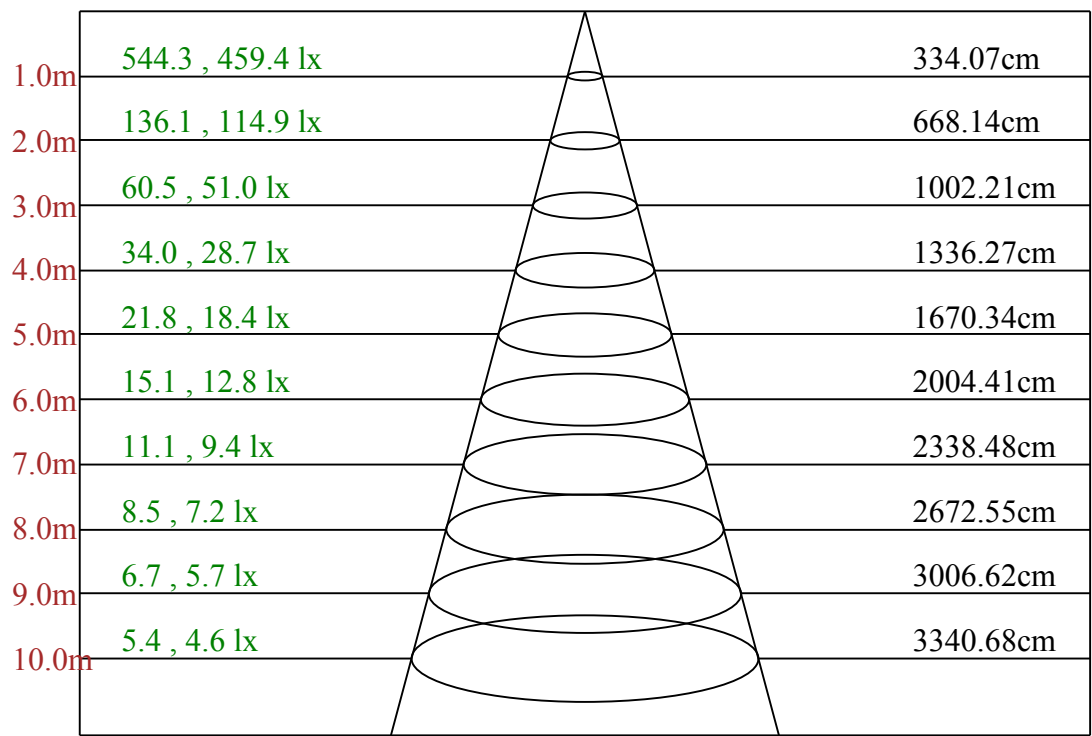
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	431.19	25.83%	25.83%
0-40	717.91	43.01%	43.01%
0-60	1297.80	77.75%	77.75%
0-90	1660.29	99.47%	99.47%
0-120	1664.09	99.69%	99.69%
0-180	1669.21	100.00%	100.00%
60-90	494.40	29.62%	29.62%
90-120	11.92	0.71%	0.71%
90-130	13.24	0.79%	0.79%
90-150	15.51	0.93%	0.93%
90-180	17.00	1.02%	1.02%
0-61.64	1335.37	80.00%	80.00%

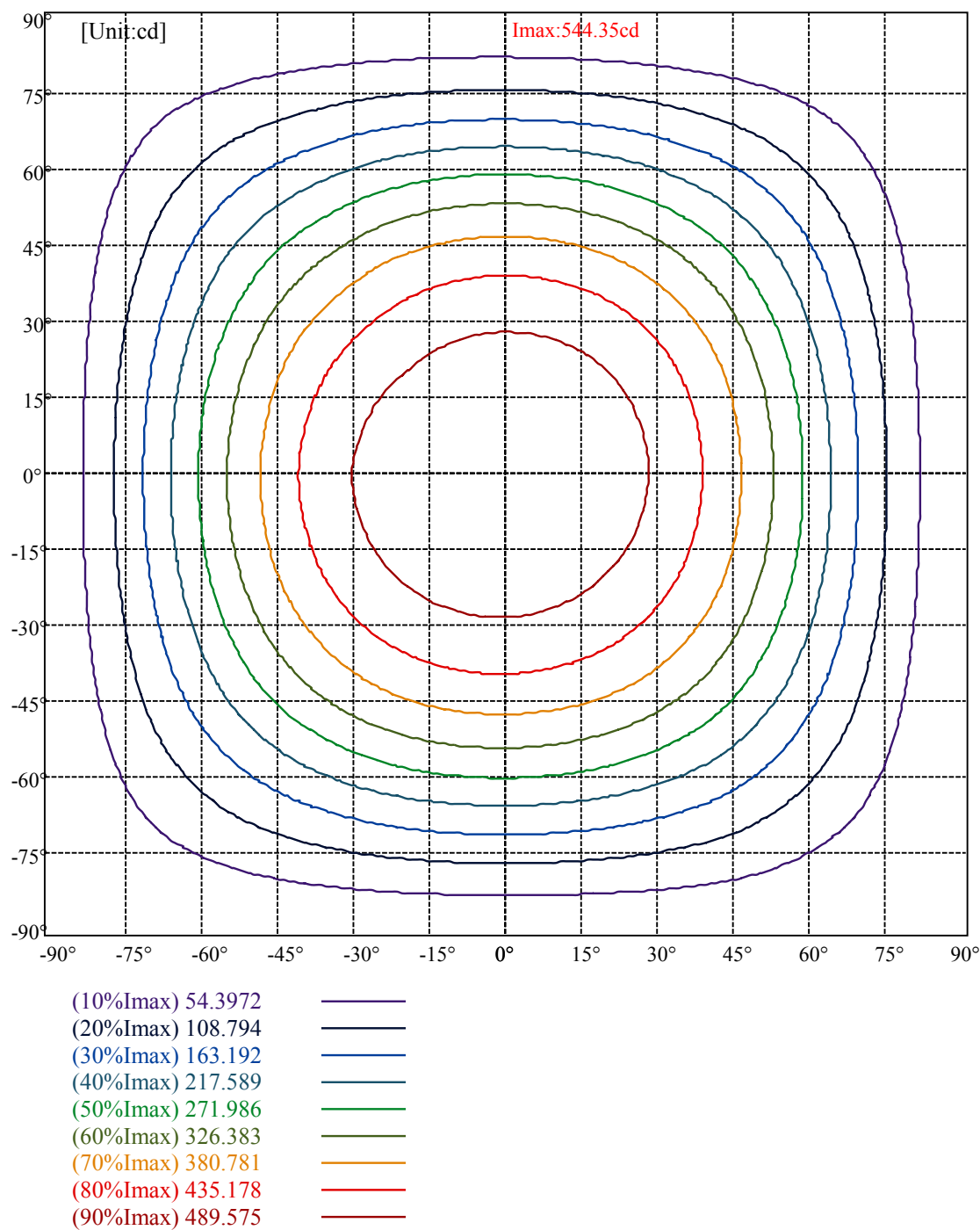
ZONAL LUMEN SUMMARY

0-10	51.23
10-20	148.82
20-30	231.14
30-40	286.72
40-50	303.69
50-60	276.19
60-70	208.71
70-80	119.53
80-90	34.25
90-100	1.30
100-110	1.21
110-120	1.29
120-130	1.32
130-140	1.21
140-150	1.06
150-160	0.84
160-170	0.52
170-180	0.13





Max , Ave Beam angle of C0plane118.13



Intensity data(cd)

Page: 7 Total:7

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	544.35	542.26	537.04	528.27	518.25	501.96	481.29	455.61	426.17
45.0	539.55	538.71	533.91	525.56	514.49	500.50	480.87	455.82	427.21
90.0	537.46	536.41	532.45	525.14	513.86	499.46	479.83	456.65	426.58
135.0	536.00	534.95	531.19	523.26	512.61	497.99	479.20	455.82	425.54
180.0	544.35	542.47	539.13	532.86	522.63	507.81	489.64	466.47	437.65
225.0	539.55	538.29	534.95	528.48	517.41	503.42	485.47	462.29	433.89
270.0	537.46	536.21	533.07	525.35	514.49	500.08	483.17	458.95	430.13
315.0	536.00	534.95	531.19	523.47	512.40	497.99	480.66	456.86	427.63
360.0	544.35	542.26	537.04	528.27	518.25	501.96	481.29	455.61	426.17

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	389.63	347.03	301.72	253.07	201.91	151.17	103.15	60.97	22.76
45.0	389.21	349.33	302.76	253.28	203.79	152.43	103.36	59.93	22.97
90.0	390.46	349.33	304.64	254.95	204.21	152.43	106.91	63.27	24.22
135.0	390.04	348.91	303.39	256.20	205.67	155.56	107.53	64.94	24.01
180.0	403.62	363.73	320.72	271.23	220.50	169.55	121.31	74.33	33.20
225.0	399.86	360.60	317.80	268.73	217.99	167.67	119.23	72.04	32.78
270.0	395.68	358.31	313.62	266.64	215.69	167.88	118.81	72.66	33.20
315.0	395.05	355.59	311.33	265.18	216.11	167.25	118.60	74.33	33.41
360.0	389.63	347.03	301.72	253.07	201.91	151.17	103.15	60.97	22.76

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	1.04	1.25	1.04	1.25	1.25	1.25	1.67	1.46	1.46
45.0	1.46	1.25	1.25	1.46	1.25	1.46	1.67	1.67	1.67
90.0	1.25	1.46	1.46	1.46	1.46	1.46	1.67	1.67	1.67
135.0	1.04	1.25	1.67	1.46	1.67	1.67	1.67	1.88	1.67
180.0	1.46	0.84	0.84	0.84	0.63	1.04	1.04	1.25	1.25
225.0	1.67	1.04	0.84	0.84	1.04	1.25	1.25	1.25	1.46
270.0	1.46	1.04	0.84	1.04	0.84	1.04	1.25	1.25	1.46
315.0	1.67	0.84	1.04	0.84	1.04	1.25	1.25	1.25	1.46
360.0	1.04	1.25	1.04	1.25	1.25	1.25	1.67	1.46	1.46

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.67	1.67	1.46	1.46	1.67	1.67	1.46	1.67	1.67
45.0	1.67	1.67	1.88	1.88	1.88	2.09	1.88	1.88	1.88
90.0	1.67	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
135.0	1.67	2.09	1.88	2.09	2.09	2.09	2.09	1.88	2.09
180.0	1.46	1.46	1.46	1.46	1.88	1.67	1.67	1.67	1.88
225.0	1.25	1.46	1.67	1.67	1.67	1.88	1.88	1.88	1.88
270.0	1.46	1.46	1.46	1.67	1.67	1.88	1.88	1.88	1.67
315.0	1.46	1.67	1.67	1.67	1.88	1.88	1.88	1.88	2.09
360.0	1.67	1.67	1.46	1.46	1.67	1.67	1.46	1.67	1.67

C/γ(°)	180.0
0.0	1.46
45.0	1.88
90.0	1.88
135.0	2.09
180.0	1.46
225.0	1.88
270.0	1.88
315.0	2.09
360.0	1.46