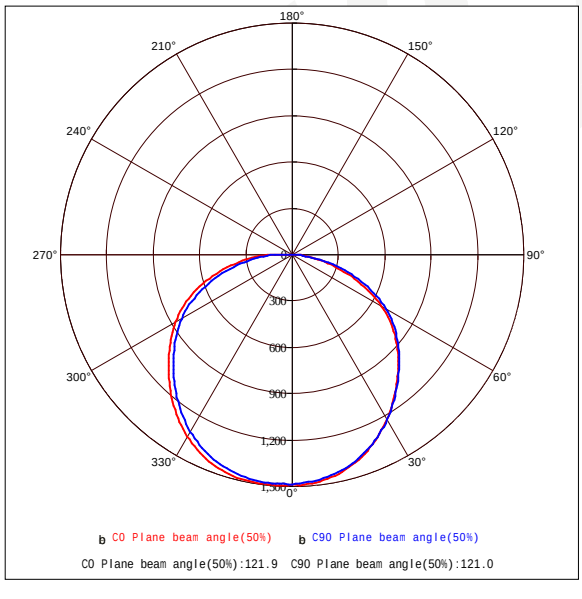
Goniophotometer Test Report

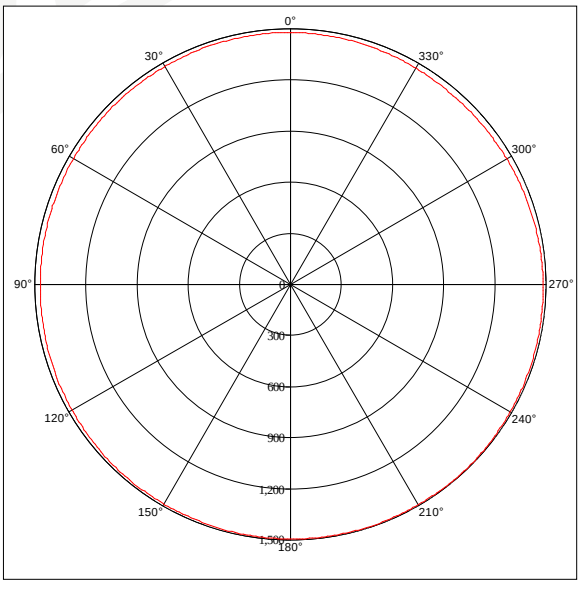
Measured Para U: 215.9V I: 453.3mA P: 50.40W PF: 0.515 Test LM: 4772.88lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-50MW01-Y	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Light Source Data		Photometric Data			
Model	LPDL-50MW01-Y	Peak Value(cd)	1496.4	Efficiency(lm/w)	94.7
Nominal P(w)	1.0	Position	225.0,6.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0	Total Flux(lm)	4772.88	Down(C0-C180)	49.1
Rated Flux(lm)	1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY	1	Dw Flux Rate(%)	100.0	Down(C180-C360)	50.9

Planar Intensity Distribution Curve



Peak Point Conical surface Curve



Gama Angle Range:-90 - 90(Deg)
Gama interval(Deg): 1
Temperature(Deg): 30
Tester: zxg
Distance(m): 7.500
Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)
C interval(Deg): 45
Humidity(%): 60
Date: 2023-5-14
Remark:

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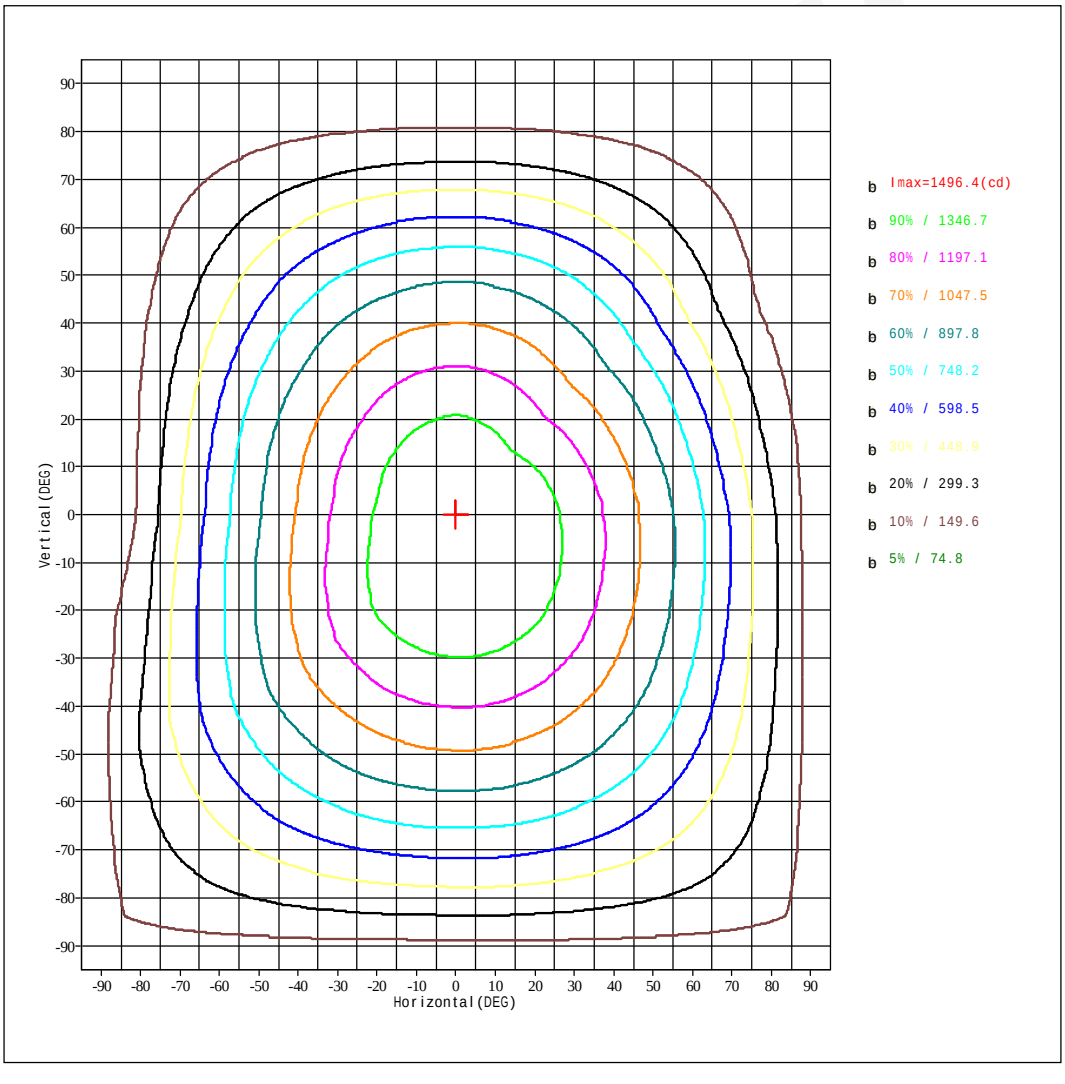
Planar IsoCandela Curve



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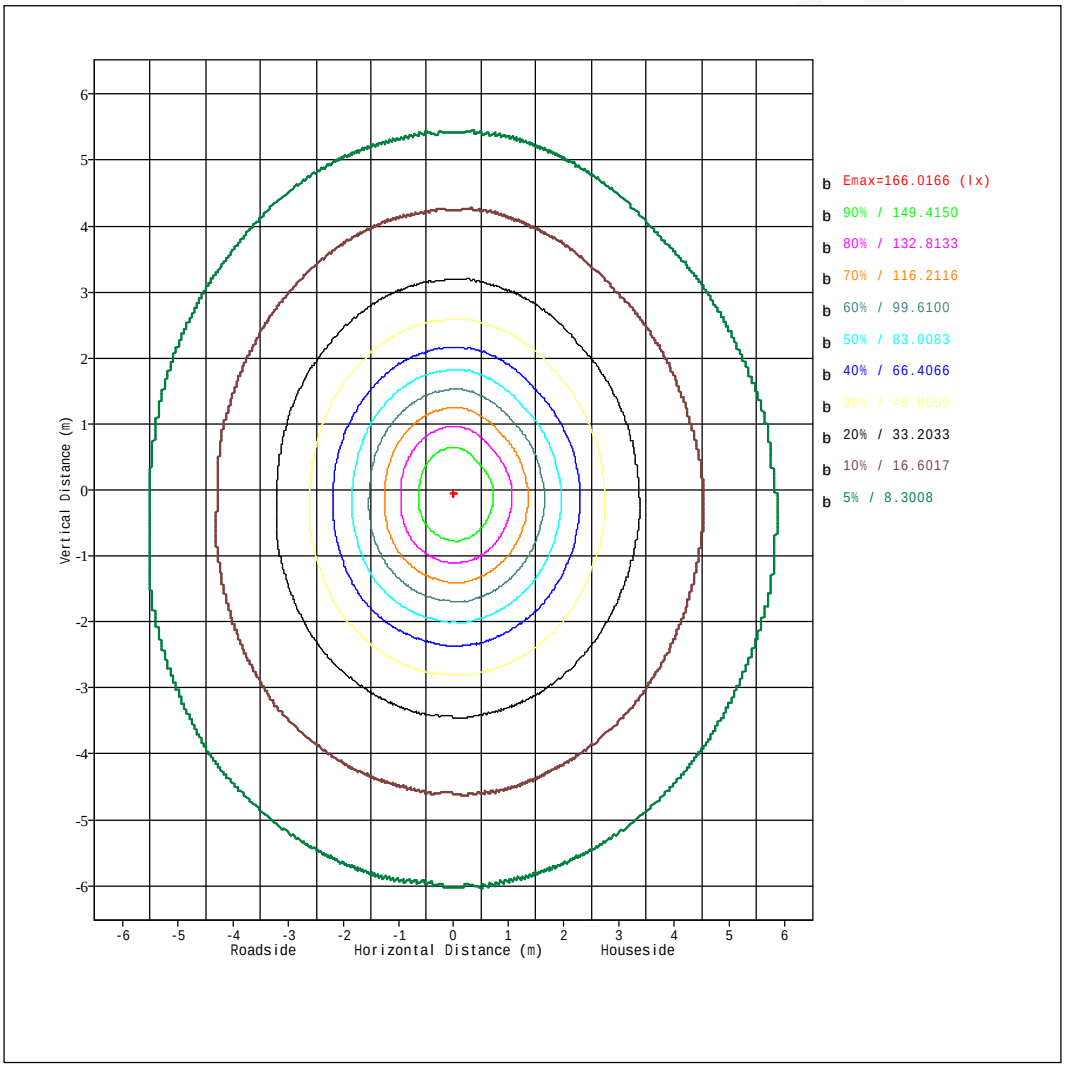
Planar Isolux curve



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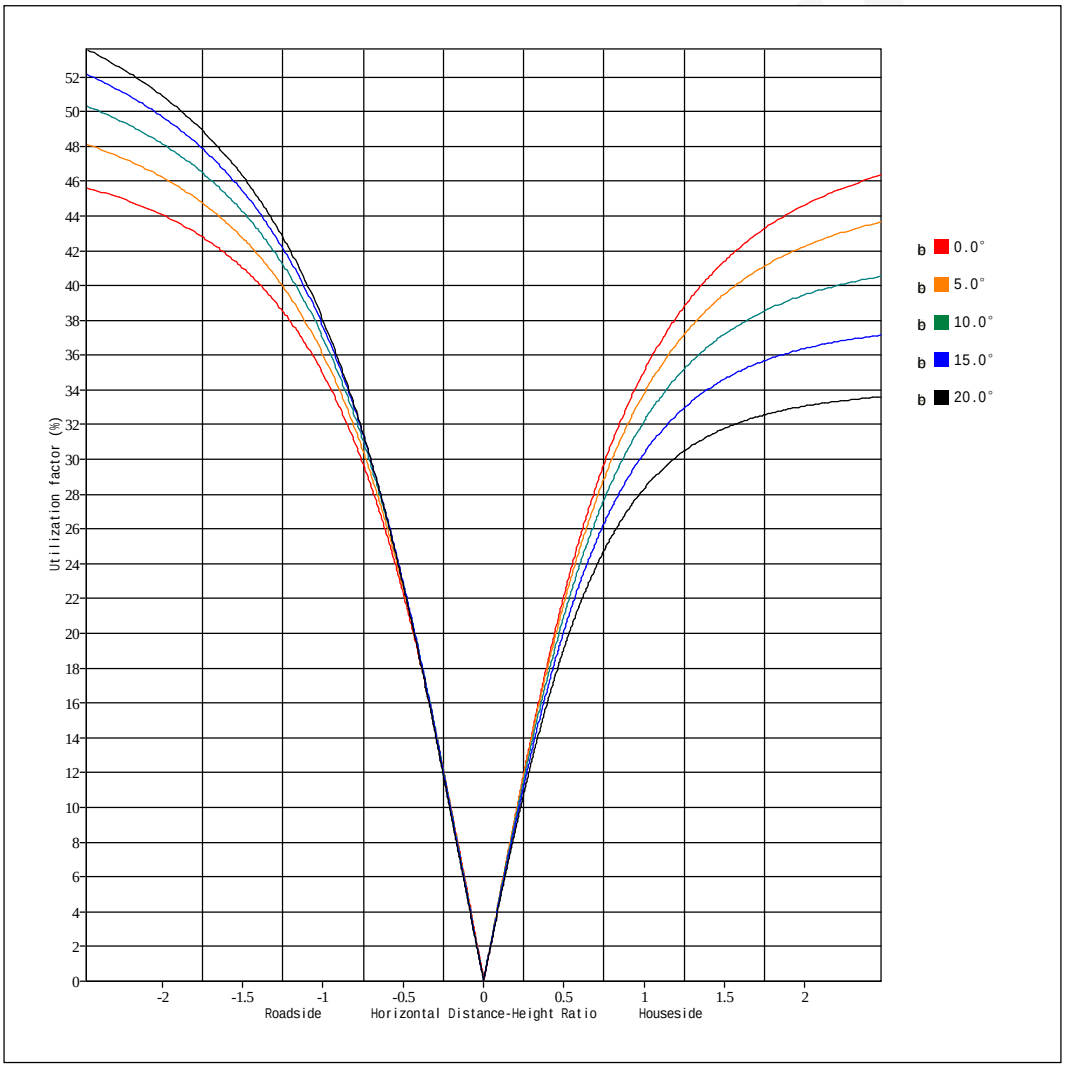
Utilization Coefficient



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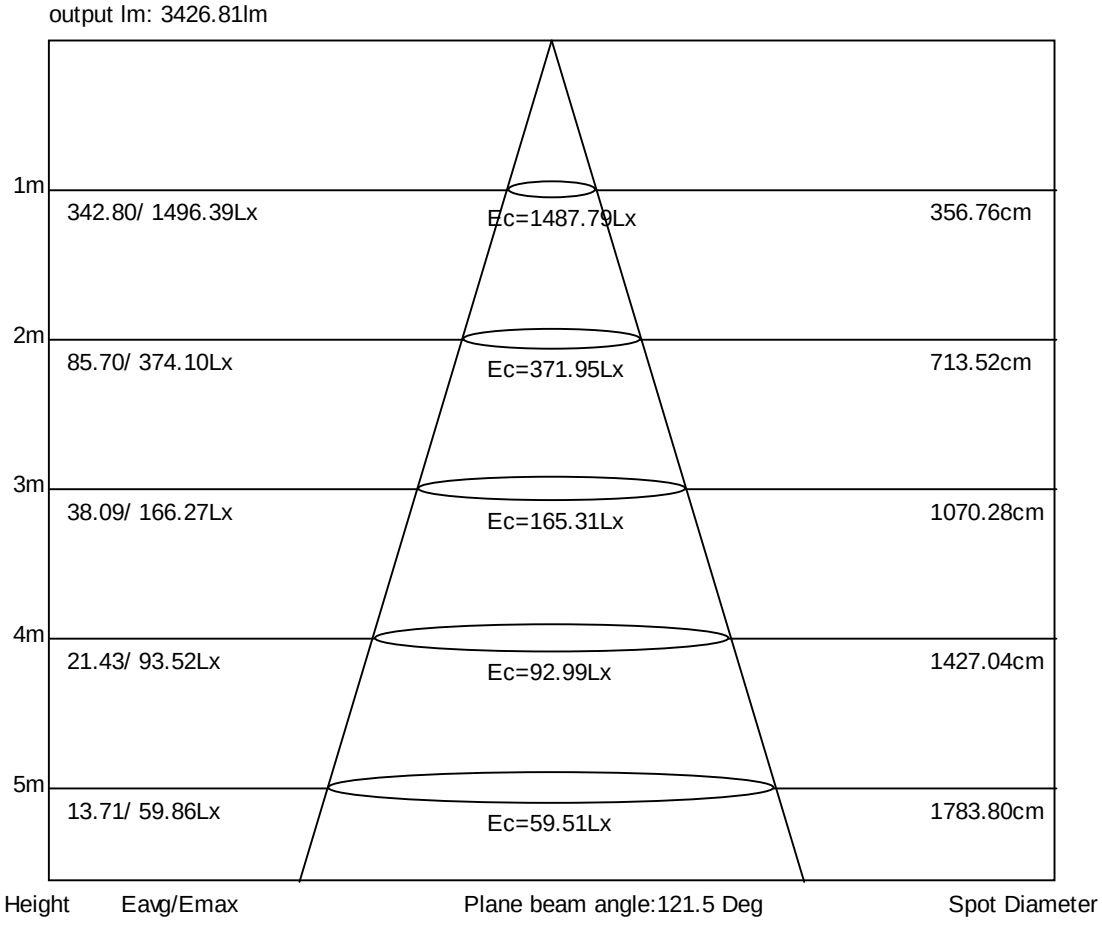
Average Illumination



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Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	1483	1479	1471	1485	1495	1496	1485	1466	0-5	35.5	35.5
10	1459	1453	1448	1480	1494	1493	1477	1439	5-10	106	141
15	1419	1411	1411	1463	1480	1480	1457	1397	10-15	173	314
20	1365	1355	1360	1435	1453	1453	1423	1341	15-20	234	547
25	1297	1286	1297	1391	1410	1410	1375	1273	20-25	287	835
30	1220	1207	1224	1334	1353	1353	1314	1196	25-30	331	1166
35	1136	1123	1143	1266	1284	1284	1242	1113	30-35	364	1530
40	1049	1036	1059	1188	1206	1204	1162	1028	35-40	386	1916
45	963	950	974	1104	1121	1119	1077	943	40-45	398	2314
50	873	862	889	1019	1035	1031	993	853	45-50	399	2713
55	773	763	797	934	950	944	907	749	50-55	391	3104
60	655	648	691	846	861	853	814	628	55-60	370	3474
65	526	521	570	748	762	750	706	498	60-65	337	3811
70	393	390	442	634	647	630	583	366	65-70	290	4101
75	274	269	317	509	519	499	453	248	70-75	234	4335
80	162	163	167	381	390	366	325	142	75-80	173	4508
85	80.3	82.9	71.2	261	269	247	214	74	80-85	113	4621
90	50.5	42	46.8	156	158	177	113	48.2	85-90	69.8	4691
95									90-95		
100									95-100		
105									100-105		
110									105-110		
115									110-115		
120									115-120		
125									120-125		
130									125-130		
135									130-135		
140									135-140		
145									140-145		
150									145-150		
155									150-155		
160									155-160		
165									160-165		
170									165-170		
175									170-175		
180									175-180		

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CD Table

Gm\C(Deg)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
5.0	1483	1482	1480	1477	1473	1474	1481	1486	1490	1495	1495	1496	1492	1487	1481	1472	1468	1476
10.0	1459	1456	1454	1451	1449	1455	1469	1481	1488	1494	1494	1493	1488	1480	1468	1451	1441	1450
15.0	1419	1416	1412	1411	1411	1423	1446	1465	1473	1480	1480	1480	1472	1462	1443	1416	1399	1409
20.0	1365	1360	1356	1357	1359	1377	1410	1437	1445	1453	1453	1453	1443	1429	1405	1368	1343	1354
25.0	1297	1292	1287	1290	1295	1318	1360	1393	1402	1410	1410	1410	1398	1382	1353	1307	1276	1287
30.0	1220	1214	1209	1213	1220	1248	1298	1336	1345	1353	1353	1353	1340	1322	1288	1234	1198	1209
35.0	1136	1130	1125	1130	1139	1170	1226	1268	1276	1284	1284	1284	1270	1251	1213	1155	1115	1126
40.0	1049	1043	1038	1044	1054	1087	1146	1190	1198	1206	1205	1204	1190	1171	1132	1072	1030	1040
45.0	963	957	952	958	969	1002	1062	1106	1114	1121	1120	1119	1105	1086	1048	987	945	954
50.0	873	868	863	871	883	917	976	1020	1028	1035	1033	1031	1018	1001	962	899	855	865
55.0	773	769	764	774	789	827	889	936	943	950	947	944	932	915	873	801	752	763
60.0	655	652	649	662	681	725	795	848	854	861	857	854	840	823	774	689	631	644
65.0	526	524	522	537	559	609	689	749	756	762	757	751	736	716	661	566	501	514
70.0	393	392	391	407	431	484	571	636	641	647	639	632	615	593	536	437	369	381
75.0	274	272	269	285	307	359	446	510	515	519	510	501	484	463	408	315	251	263
80.0	162	162	163	164	166	214	311	382	386	390	380	369	353	334	285	202	144	153
85.0	80.3	81.4	82.6	79	73.8	113	199	262	266	269	259	249	236	222	184	120	74.7	77.6
90.0	50.5	46.8	42.9	43.6	45.8	70.8	120	157	157	158	166	175	156	127	98.6	69.4	48.5	49.5
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
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