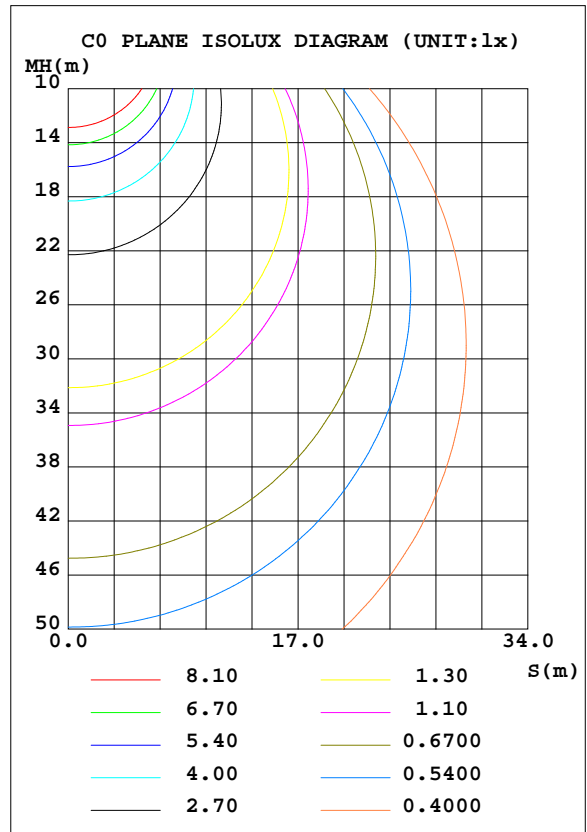
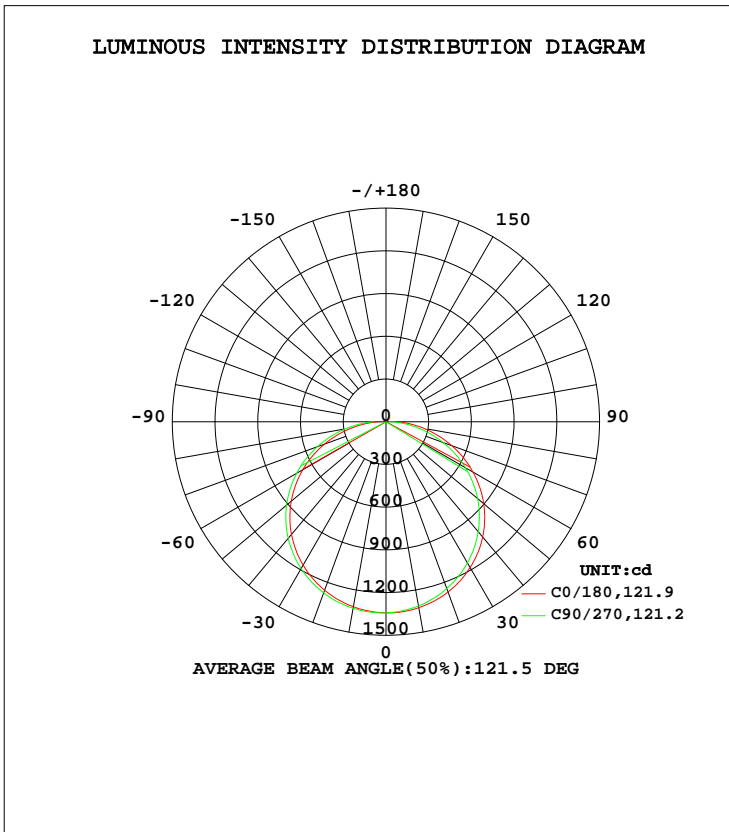


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.00 lm/W			
MODEL	LNOVO-36W-SW-N-R	I _{max} (cd)	1343	S/MH(C0/180)	1.29
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	220V	TOTAL FLUX(lm)	4320.0	η UP, DN(C0-180)	0.0,48.8
NOMINAL FLUX(lm)	4320	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1326	1320	1314	1314	1320	1325	1330	1331	0- 10	127.2	127.2	2.94,2.94
20	1272	1260	1247	1249	1259	1270	1279	1280	10- 20	366.7	493.9	11.4,11.4
30	1182	1163	1144	1147	1163	1179	1191	1194	20- 30	563.6	1058	24.5,24.5
40	1057	1032	1008	1012	1033	1053	1069	1072	30- 40	694.9	1752	40.6,40.6
50	895.9	867.5	839.9	843.8	869.0	892.2	912.1	915.4	40- 50	744.1	2497	57.8,57.8
60	705.7	675.1	643.8	648.5	675.4	702.1	724.6	728.6	50- 60	703.3	3200	74.1,74.1
70	491.7	458.6	427.4	430.4	460.2	486.3	512.4	514.5	60- 70	576.0	3776	87.4,87.4
80	271.1	236.3	209.9	209.4	239.5	265.3	290.6	292.8	70- 80	382.1	4158	96.2,96.2
90	66.71	40.15	23.63	21.69	39.21	62.14	82.72	84.88	80- 90	162.1	4320	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2123.9 lm

%lum = 49.2%
%lamp = 49.2%

Conical surface Flux(120deg): 3199.9 lm

%lum = 74.1%
%lamp = 74.1%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2018-11-19

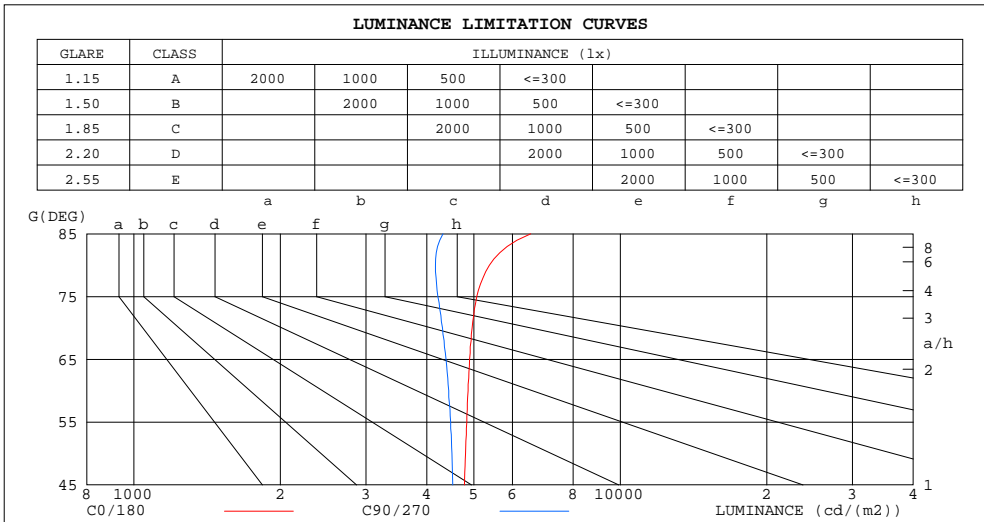
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65%
Test Distance:7.200m [K=1.0000]
Remarks:

Checker: DENNY

Assessor: JOE

LUMINANCE LIMITATION CURVES

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6543	4318
80	5382	4169
75	5067	4215
70	4957	4309
65	4899	4382
60	4866	4440
55	4836	4480
50	4805	4506
45	4780	4524

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

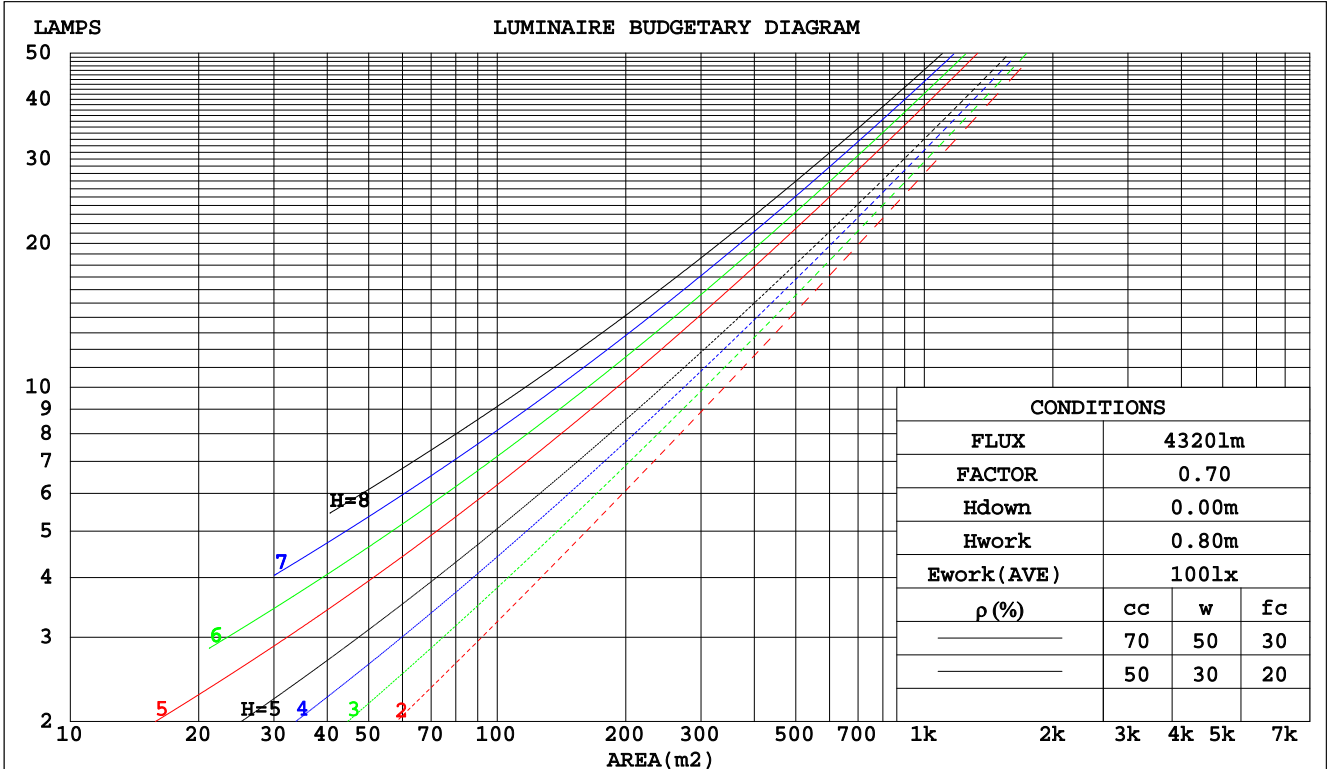
Checker: DENNY

Assessor: JOE

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.02	.97	.93	.90	.96	.92	.96	.92	.89	.92	.89	.86	.88	.86	.83	.81
2.0	.88	.81	.75	.86	.79	.74	.83	.77	.72	.79	.75	.70	.76	.72	.69	.66
3.0	.77	.68	.61	.75	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.57	.55
4.0	.68	.59	.51	.66	.58	.51	.64	.56	.50	.61	.55	.50	.59	.54	.49	.47
5.0	.60	.51	.44	.59	.50	.44	.57	.49	.43	.55	.48	.43	.53	.47	.42	.40
6.0	.54	.45	.38	.53	.44	.38	.51	.43	.38	.50	.43	.37	.48	.42	.37	.35
7.0	.49	.40	.34	.48	.40	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9.0	.41	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

WEC AND CCEC

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.342	.195	.062	.335	.191	.061	.322	.185	.059	.309	.178	.057	.298	.173	.056	
2.0	.313	.172	.053	.307	.169	.052	.295	.164	.051	.284	.159	.050	.274	.155	.049	
3.0	.286	.152	.046	.280	.150	.045	.269	.146	.044	.260	.142	.044	.251	.139	.043	
4.0	.261	.136	.040	.256	.134	.040	.247	.131	.039	.238	.128	.039	.230	.125	.038	
5.0	.240	.122	.035	.235	.121	.035	.227	.118	.035	.219	.116	.034	.212	.113	.034	
6.0	.221	.111	.032	.217	.110	.032	.210	.107	.031	.203	.105	.031	.196	.103	.031	
7.0	.205	.101	.029	.201	.100	.029	.195	.098	.028	.189	.097	.028	.183	.095	.028	
8.0	.191	.093	.026	.188	.092	.026	.182	.091	.026	.176	.089	.026	.171	.088	.026	
9.0	.178	.086	.024	.175	.086	.024	.170	.084	.024	.165	.083	.024	.160	.082	.024	
10.0	.167	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.151	.076	.022	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.183	.156	.132	.156	.134	.113	.107	.092	.078	.061	.053	.046	.020	.017	.015	
2.0	.175	.132	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
3.0	.167	.114	.072	.144	.099	.063	.099	.069	.044	.057	.040	.026	.018	.013	.008	
4.0	.160	.101	.057	.137	.087	.049	.094	.061	.035	.055	.036	.020	.018	.012	.007	
5.0	.152	.091	.046	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.145	.083	.038	.124	.072	.033	.086	.050	.023	.050	.029	.014	.016	.010	.005	
7.0	.138	.076	.032	.118	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.024	.078	.043	.017	.045	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

UGR(Unified Glare Rating) Table

NAME: LED PANEL LIGHT		TYPE:LNOVO-36W-SW-N-R					WEIGHT:				
SPEC.:36W 4000K		DIM.: 595*595					SERIAL No.:				
MFR.: DIMON Technology Limited		SUR.:					Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	13.3	14.9	13.6	15.1	15.3	13.0	14.5	13.2	14.7	15.0	
3H	15.1	16.6	15.4	16.9	17.1	14.7	16.1	15.0	16.4	16.6	
4H	16.0	17.4	16.3	17.6	17.9	15.4	16.8	15.7	17.0	17.3	
6H	16.7	18.1	17.1	18.3	18.6	16.0	17.3	16.3	17.6	17.9	
8H	17.1	18.4	17.4	18.6	18.9	16.2	17.5	16.6	17.8	18.1	
12H	17.4	18.6	17.7	18.9	19.2	16.4	17.6	16.7	17.9	18.2	
4H 2H	13.9	15.3	14.3	15.6	15.9	13.7	15.1	14.0	15.3	15.6	
3H	16.0	17.2	16.3	17.5	17.8	15.6	16.8	15.9	17.1	17.4	
4H	17.0	18.1	17.4	18.4	18.8	16.5	17.6	16.8	17.9	18.3	
6H	17.9	18.9	18.3	19.2	19.6	17.2	18.2	17.6	18.6	18.9	
8H	18.3	19.2	18.7	19.6	20.0	17.5	18.4	17.9	18.8	19.2	
12H	18.7	19.6	19.1	19.9	20.3	17.7	18.6	18.2	19.0	19.4	
8H 4H	17.3	18.2	17.7	18.6	19.0	16.9	17.8	17.3	18.2	18.6	
6H	18.4	19.2	18.8	19.6	20.0	17.8	18.6	18.2	19.0	19.4	
8H	18.9	19.6	19.4	20.1	20.5	18.2	18.9	18.7	19.3	19.8	
12H	19.5	20.1	19.9	20.5	21.0	18.6	19.2	19.1	19.6	20.1	
12H 4H	17.3	18.2	17.8	18.6	19.0	16.9	17.8	17.3	18.2	18.6	
6H	18.5	19.2	19.0	19.6	20.1	17.9	18.6	18.4	19.1	19.5	
8H	19.1	19.7	19.6	20.2	20.6	18.4	19.0	18.9	19.5	19.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.4					

CIE Pub.117, 4320 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

UTILIZATION FACTORS TABLE

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	55	43	36	53	43	36	29
0.80	65	53	45	64	53	45	62	52	45	38
1.00	74	62	54	72	61	54	70	63	53	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	86	75	68	84	74	67	81	72	66	58
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	81	91	84	79	71
3.00	100	93	87	98	91	86	94	88	84	75
4.00	105	98	93	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

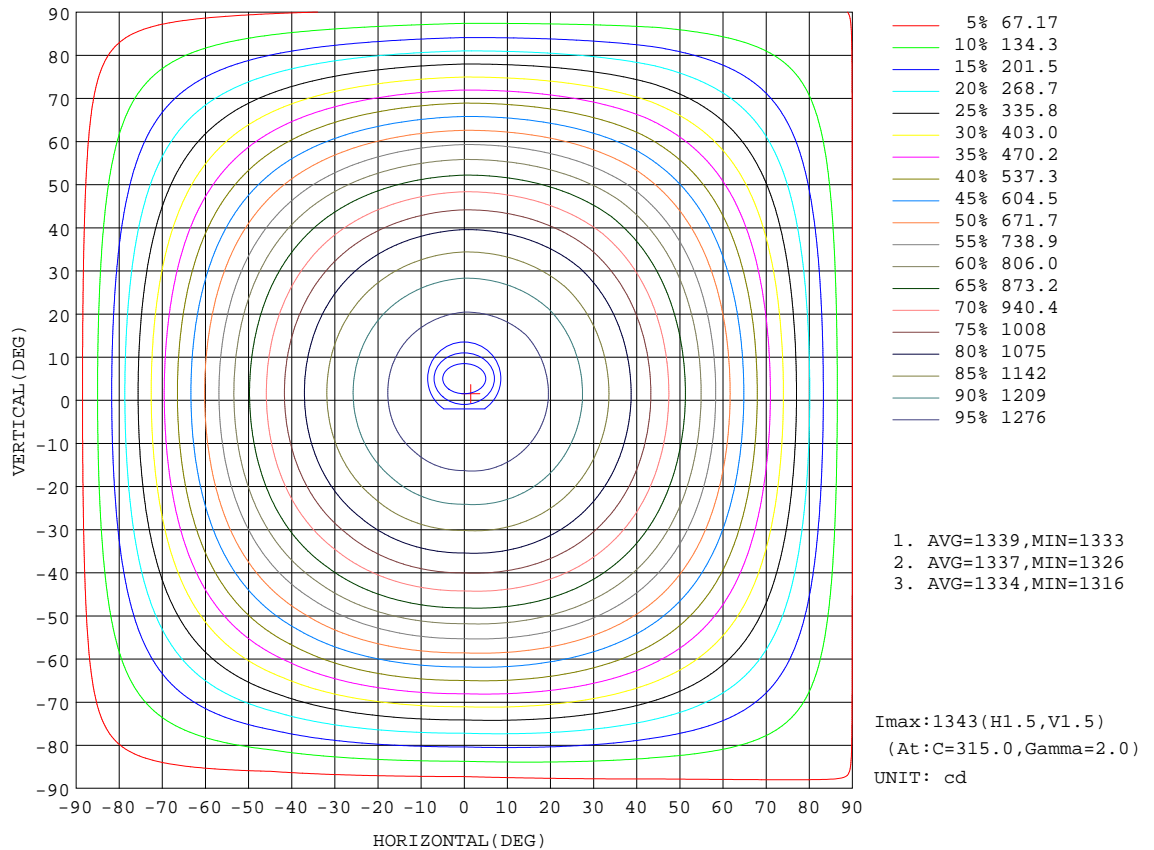
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

ISOCANDELA DIAGRAM

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2018-11-19

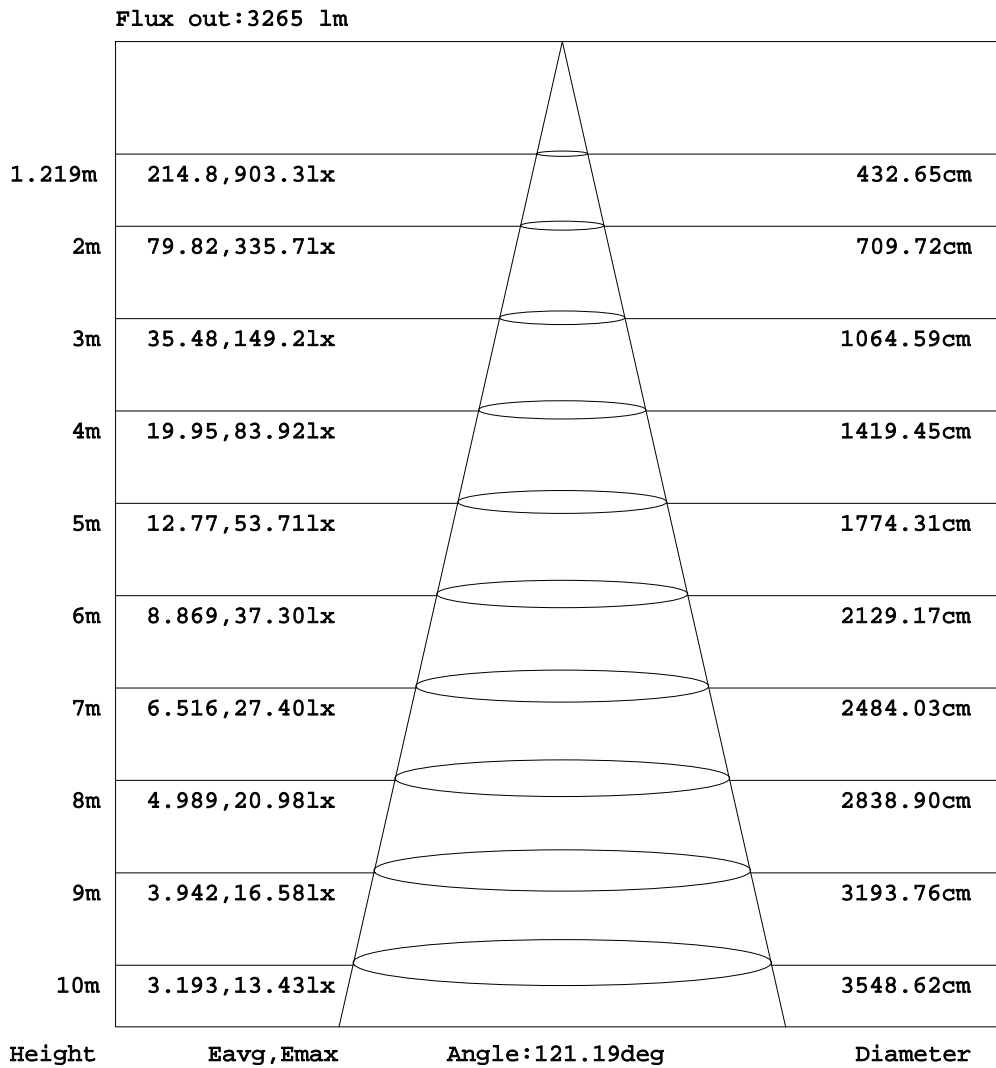
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity: 65%
 Test Distance: 7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

AAI Figure

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

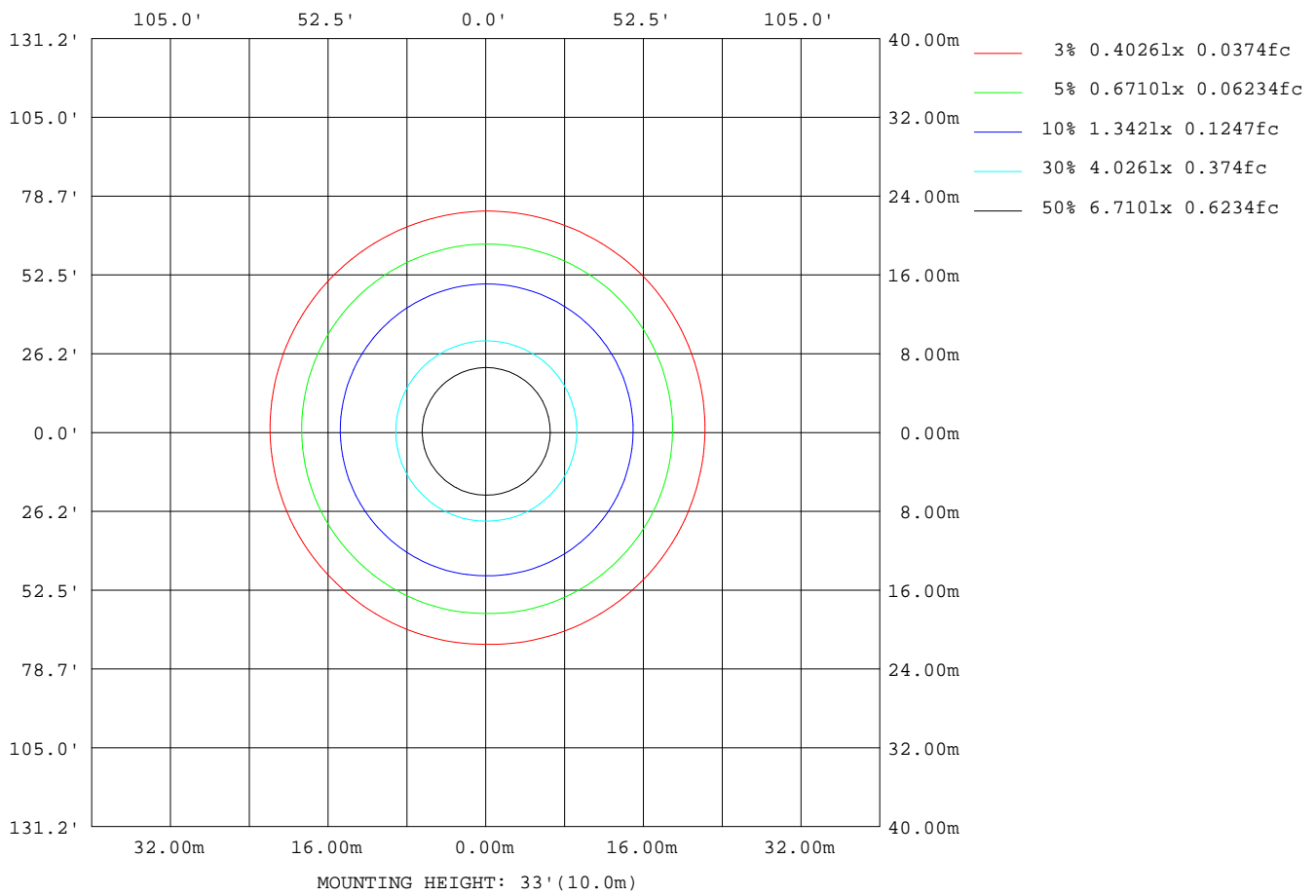
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

ISOLUX DIAGRAM

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

LED Avg.L Report

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	4773
L_0~180(75)av	4863
L_0~180(85)av	5937
L_90~270(65)av	4722
L_90~270(75)av	4783
L_90~270(85)av	5767
L_45(65)av	4754
L_45(75)av	4813
L_45(85)av	5789

Standard: GB/T 29293-2012

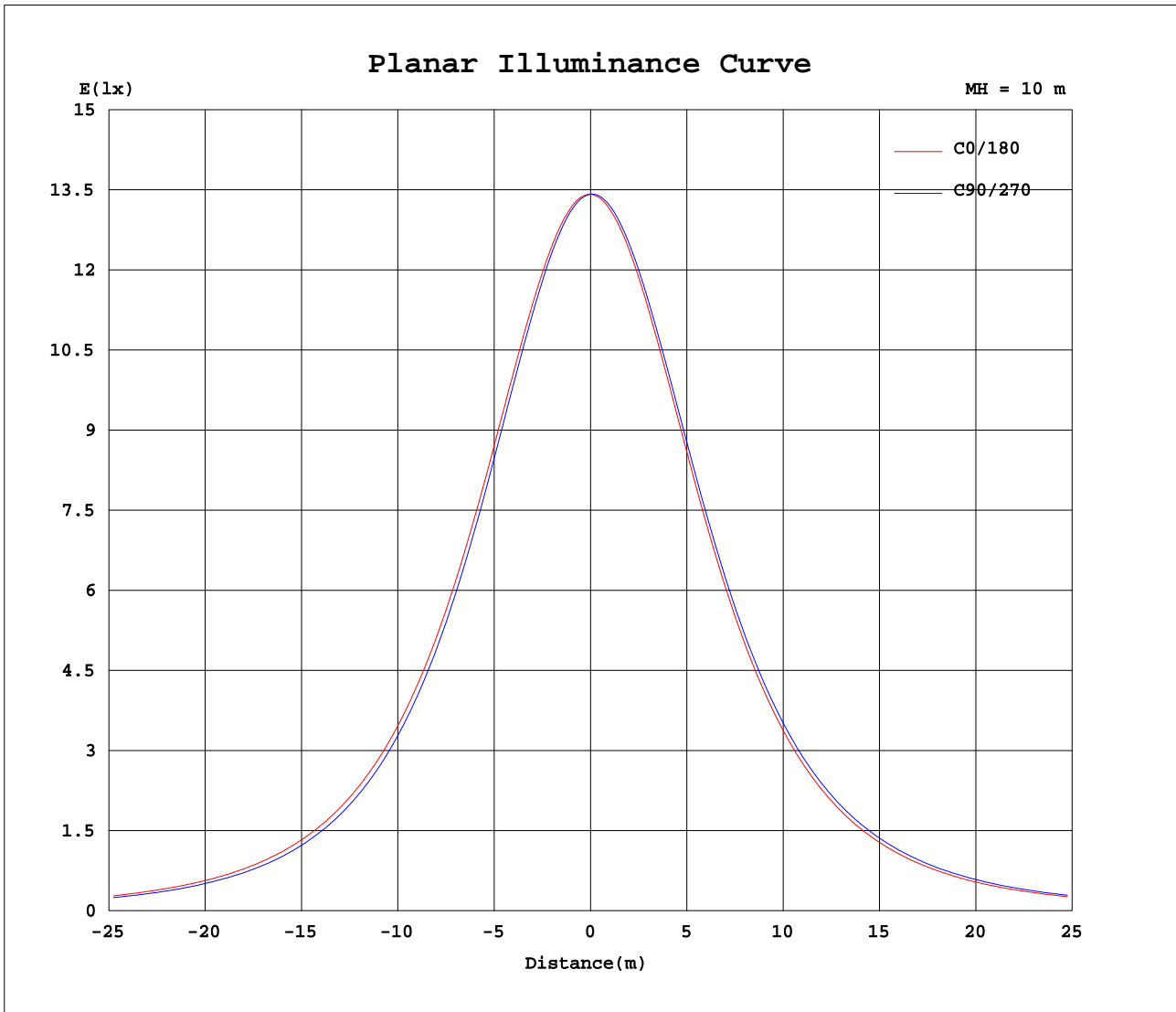
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity: 65%
 Test Distance: 7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED PANEL LIGHT	TYPE:LNOVO-36W-SW-N-R	WEIGHT:
SPEC.:36W 4000K	DIM.: 595*595	SERIAL No.:
MFR.: DIMON Technology Limited	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1342	1342	1342	1342	1342	1342	1342	1342										
5	1339	1336	1333	1333	1335	1339	1341	1341										
10	1326	1320	1314	1314	1320	1325	1330	1331										
15	1304	1295	1285	1286	1294	1303	1310	1311										
20	1272	1260	1247	1249	1259	1270	1279	1280										
25	1232	1216	1200	1203	1216	1229	1240	1242										
30	1182	1163	1144	1147	1163	1179	1191	1194										
35	1124	1101	1080	1083	1102	1120	1134	1137										
40	1057	1032	1008	1012	1033	1053	1069	1072										
45	980	954	928	932	954	976	994	998										
50	896	868	840	844	869	892	912	915										
55	804	775	745	749	776	801	822	826										
60	706	675	644	648	675	702	725	729										
65	601	569	537	541	569	597	620	624										
70	492	459	427	430	460	486	512	514										
75	380	347	316	319	350	375	402	403										
80	271	236	210	209	240	265	291	293										
85	165	133	109	108	135	159	182	185										
90	66.7	40.1	23.6	21.7	39.2	62.1	82.7	84.9										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2018-11-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65%
 Test Distance:7.200m [K=1.0000]
 Remarks:

Checker: DENNY

Assessor: JOE