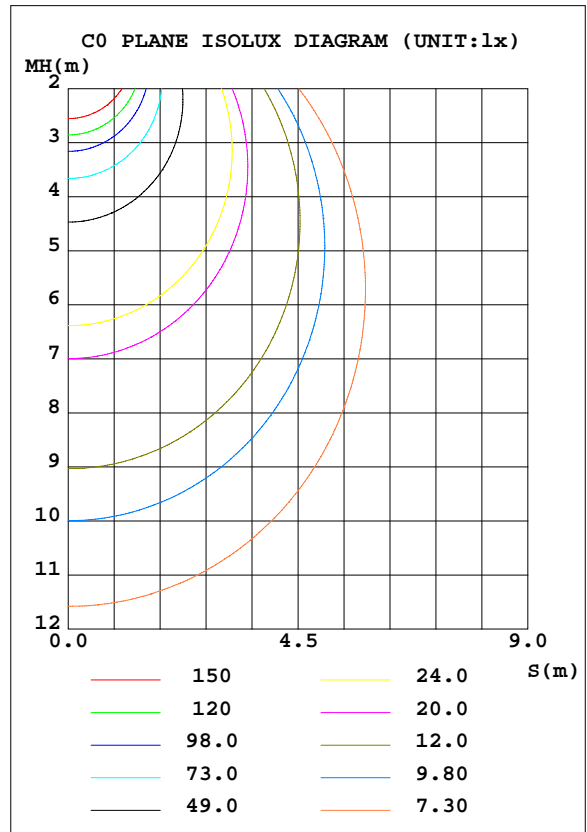
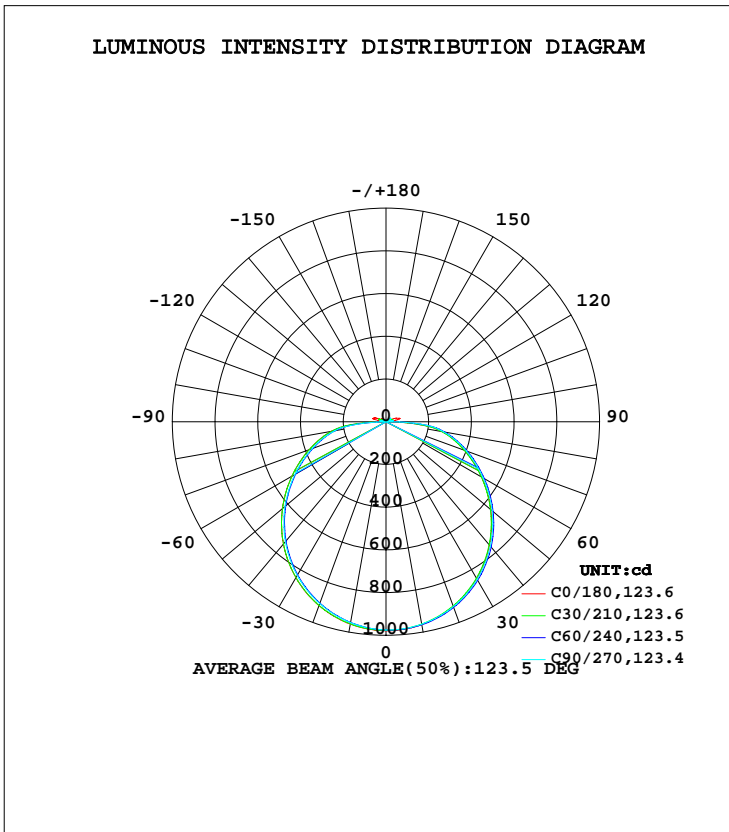


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.28 lm/W			
MODEL	HV3050W	Imax(cd)	978.5	S/MH(C0/180)	1.28
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3350.3	η UP, DN(C0-180)	1.5,50.7
NOMINAL FLUX(lm)	3350.26	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5,46.2
LAMPS INSIDE	1	η up(%)	3.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220.0	η down(%)	97.0	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

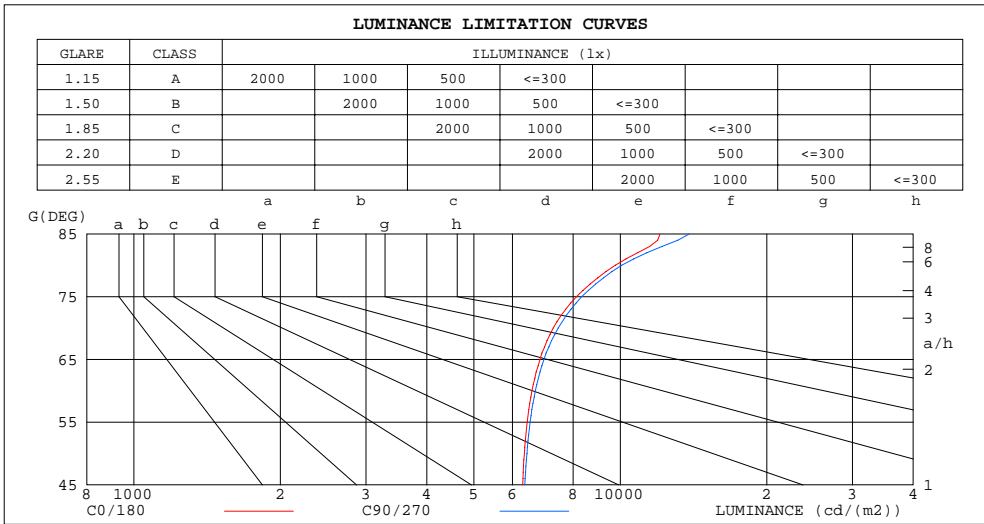
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	963.8	967.7	962.4	966.5	961.9	952.6	954.8	939.5	0- 10	92.06	92.06	2.75,2.75
20	920.1	929.9	921.0	934.6	916.5	900.8	906.5	882.7	10- 20	264.8	356.9	10.7,10.7
30	849.1	863.7	852.8	873.7	843.1	822.7	831.0	798.8	20- 30	405.4	762.3	22.8,22.8
40	753.8	773.1	760.1	788.0	747.1	722.6	732.8	694.3	30- 40	497.6	1260	37.6,37.6
50	640.9	662.4	648.8	681.9	632.7	606.4	617.3	574.8	40- 50	532.6	1793	53.5,53.5
60	516.7	539.1	524.8	561.9	508.3	481.9	492.8	449.1	50- 60	510.5	2303	68.7,68.7
70	390.9	413.1	400.3	436.2	382.6	357.5	367.9	325.2	60- 70	441.3	2744	81.9,81.9
80	266.3	286.7	274.5	311.5	258.8	234.9	243.6	172.4	70- 80	339.7	3084	92.1,92.1
90	6.899	44.47	31.04	144.9	12.78	4.034	3.805	41.17	80- 90	164.6	3249	97,97
100	46.95	26.40	34.76	20.35	37.64	12.41	29.35	29.90	90-100	28.56	3277	97.8,97.8
110	50.55	19.27	14.85	19.78	53.16	21.45	11.60	23.49	100-110	28.77	3306	98.7,98.7
120	20.45	16.25	17.17	7.127	17.85	15.34	7.822	13.25	110-120	17.11	3323	99.2,99.2
130	6.486	16.74	27.06	17.05	8.283	7.440	13.09	5.335	120-130	13.53	3337	99.6,99.6
140	4.019	7.994	9.176	13.16	4.111	8.059	4.516	6.923	130-140	6.084	3343	99.8,99.8
150	4.385	5.509	6.172	5.509	4.292	5.180	4.701	5.296	140-150	3.466	3346	99.9,99.9
160	4.651	5.016	4.951	4.331	4.777	4.422	4.807	5.025	150-160	2.199	3348	99.9,99.9
170	4.716	4.697	4.706	4.757	4.736	4.490	4.668	4.852	160-170	1.323	3350	100,100
180	4.630	4.661	4.695	4.927	4.637	4.658	4.695	4.927	170-180	0.4519	3350	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

LUMINANCE LIMITATION CURVES

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	12065	13876
80	9768	10068
75	8131	8333
70	7279	7454
65	6838	6966
60	6582	6686
55	6435	6524
50	6351	6429
45	6298	6361

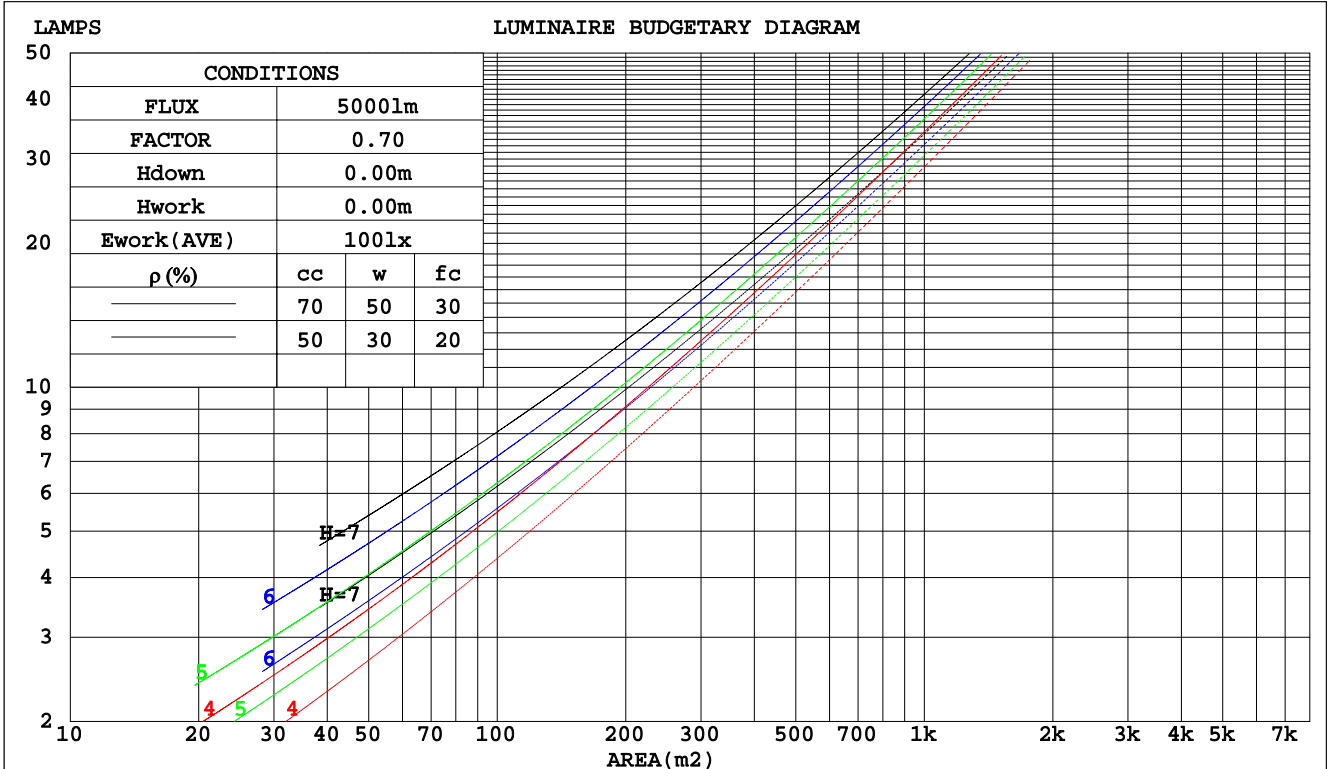
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.00	.95	.91	.98	.93	.89	.93	.89	.86	.88	.85	.83	.84	.82	.80	.77
2.0	.86	.79	.72	.84	.77	.71	.80	.74	.69	.76	.71	.67	.73	.69	.65	.62
3.0	.75	.66	.59	.73	.65	.58	.70	.63	.57	.66	.60	.55	.63	.58	.54	.52
4.0	.66	.57	.49	.65	.56	.49	.62	.54	.48	.59	.52	.47	.56	.51	.46	.43
5.0	.59	.49	.42	.57	.48	.42	.55	.47	.41	.53	.46	.40	.50	.44	.40	.37
6.0	.53	.43	.37	.52	.43	.36	.49	.42	.36	.47	.40	.35	.46	.39	.35	.32
7.0	.48	.39	.32	.47	.38	.32	.45	.37	.31	.43	.36	.31	.41	.35	.31	.28
8.0	.43	.35	.29	.43	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.27	.25
9.0	.40	.31	.26	.39	.31	.25	.38	.30	.25	.36	.30	.25	.35	.29	.24	.23
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.34	.27	.22	.33	.27	.22	.20



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng
 Test Date: 2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P: 48.3605W
 PF: 0.986838

WEC AND CCEC

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.361	.205	.065	.353	.201	.064	.338	.194	.062	.324	.187	.060	.311	.180	.058	
2.0	.324	.178	.055	.317	.175	.054	.304	.169	.052	.291	.163	.051	.279	.158	.050	
3.0	.293	.156	.047	.286	.153	.046	.274	.149	.045	.263	.144	.044	.253	.140	.043	
4.0	.266	.138	.041	.260	.136	.040	.249	.132	.039	.239	.128	.039	.230	.125	.038	
5.0	.243	.124	.036	.238	.122	.036	.228	.119	.035	.219	.116	.034	.211	.113	.034	
6.0	.223	.112	.032	.219	.110	.032	.210	.108	.031	.202	.105	.031	.194	.102	.030	
7.0	.206	.102	.029	.202	.101	.029	.195	.098	.028	.187	.096	.028	.181	.094	.028	
8.0	.192	.094	.026	.188	.093	.026	.181	.091	.026	.175	.088	.026	.168	.086	.025	
9.0	.179	.087	.024	.176	.086	.024	.169	.084	.024	.163	.082	.023	.158	.080	.023	
10.0	.168	.080	.022	.165	.080	.022	.159	.078	.022	.154	.076	.022	.148	.075	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.207	.179	.154	.177	.154	.132	.121	.106	.091	.070	.061	.053	.022	.020	.017	
2.0	.200	.155	.117	.171	.134	.102	.117	.092	.071	.068	.054	.042	.022	.017	.014	
3.0	.192	.138	.095	.165	.119	.082	.113	.083	.058	.065	.048	.034	.021	.016	.011	
4.0	.185	.125	.080	.158	.108	.069	.109	.075	.049	.063	.044	.029	.020	.014	.009	
5.0	.177	.115	.069	.152	.099	.060	.105	.069	.042	.061	.041	.025	.020	.013	.008	
6.0	.169	.107	.062	.146	.092	.054	.100	.065	.038	.058	.038	.023	.019	.012	.007	
7.0	.162	.100	.056	.139	.086	.049	.096	.061	.035	.056	.036	.021	.018	.012	.007	
8.0	.155	.094	.052	.134	.082	.045	.093	.057	.032	.054	.034	.019	.017	.011	.006	
9.0	.149	.089	.049	.128	.077	.042	.089	.054	.030	.052	.032	.018	.017	.011	.006	
10.0	.143	.085	.046	.123	.074	.040	.086	.052	.028	.050	.031	.017	.016	.010	.006	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

UGR(Unified Glare Rating) Table

NAME: HV3050W		TYPE:3000K					WEIGHT:				
SPEC.:		DIM.: ϕ 600*1200					SERIAL No.:				
MFR.:		SUR.: ϕ 600					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	15.0	16.6	15.3	16.9	17.1	15.2	16.7	15.5	17.0	17.3	
3H	17.1	18.6	17.5	18.8	19.2	17.2	18.7	17.6	19.0	19.3	
4H	18.2	19.6	18.5	19.9	20.2	18.3	19.7	18.7	20.0	20.4	
6H	19.3	20.6	19.6	20.9	21.3	19.4	20.7	19.8	21.1	21.4	
8H	19.8	21.1	20.2	21.4	21.8	20.0	21.2	20.4	21.6	22.0	
12H	20.3	21.5	20.7	21.9	22.2	20.5	21.8	20.9	22.1	22.5	
4H 2H	15.8	17.2	16.2	17.5	17.9	15.9	17.3	16.3	17.6	18.0	
3H	18.1	19.3	18.5	19.7	20.1	18.2	19.5	18.7	19.8	20.2	
4H	19.3	20.5	19.8	20.8	21.2	19.5	20.6	19.9	21.0	21.4	
6H	20.6	21.6	21.0	22.0	22.4	20.8	21.8	21.2	22.2	22.6	
8H	21.2	22.2	21.7	22.6	23.1	21.4	22.4	21.9	22.8	23.2	
12H	21.8	22.7	22.3	23.1	23.6	22.1	22.9	22.5	23.4	23.9	
8H 4H	19.9	20.8	20.3	21.2	21.7	20.0	21.0	20.5	21.4	21.8	
6H	21.4	22.2	21.9	22.6	23.1	21.6	22.3	22.0	22.8	23.3	
8H	22.2	22.9	22.7	23.4	23.9	22.4	23.1	22.9	23.6	24.1	
12H	22.9	23.5	23.4	24.0	24.5	23.2	23.8	23.7	24.3	24.9	
12H 4H	20.0	20.9	20.5	21.3	21.8	20.1	21.0	20.6	21.4	21.9	
6H	21.6	22.3	22.1	22.8	23.3	21.8	22.5	22.3	22.9	23.5	
8H	22.5	23.1	23.0	23.6	24.2	22.7	23.3	23.2	23.8	24.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 3350 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.2)
 Area: 0.157 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

UTILIZATION FACTORS TABLE

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

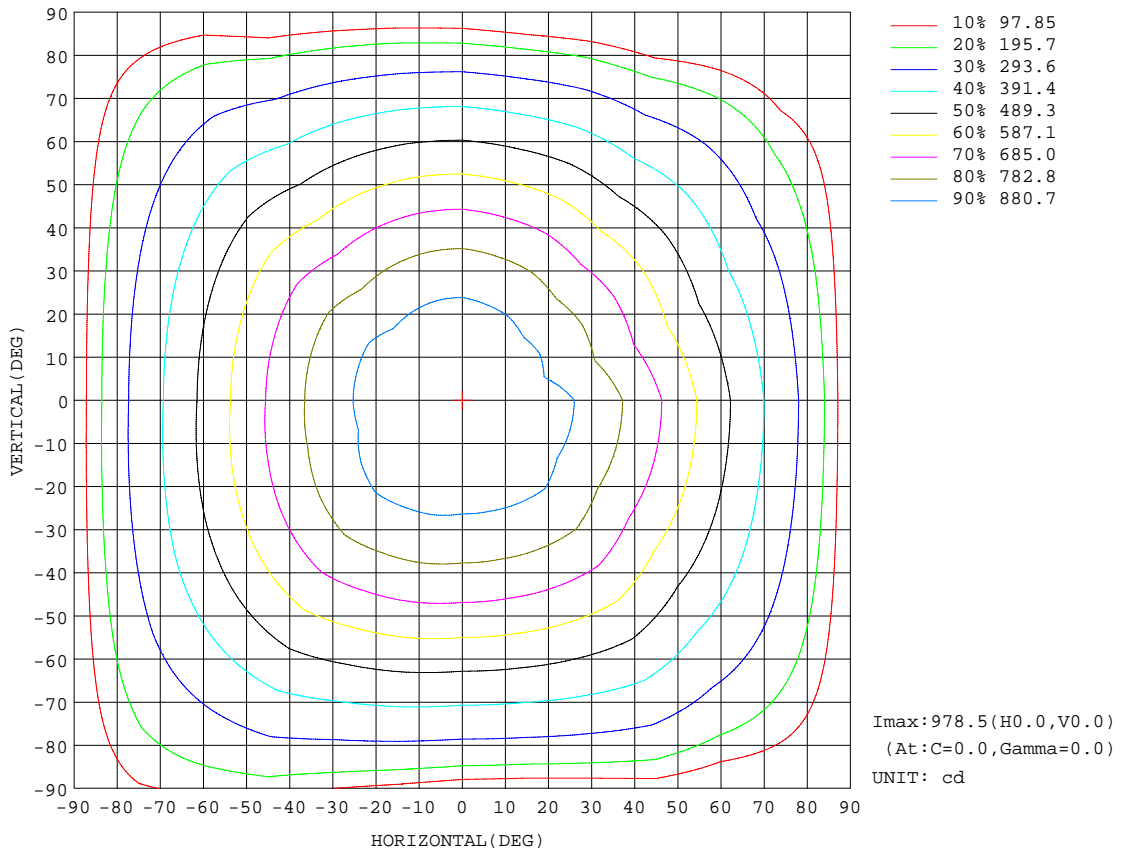
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	34	53	41	34	52	41	34	27
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	51	70	59	51	67	60	50	43
1.25	78	67	59	77	66	58	74	64	57	49
1.50	83	72	65	82	71	64	78	69	63	54
2.00	91	81	73	88	79	73	84	77	71	62
2.50	95	86	79	93	84	78	88	81	76	66
3.00	98	90	84	96	89	83	91	85	80	71
4.00	103	96	91	100	94	89	95	90	86	76
5.00	106	100	95	103	98	93	98	94	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

ISOCANDELA DIAGRAM

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:



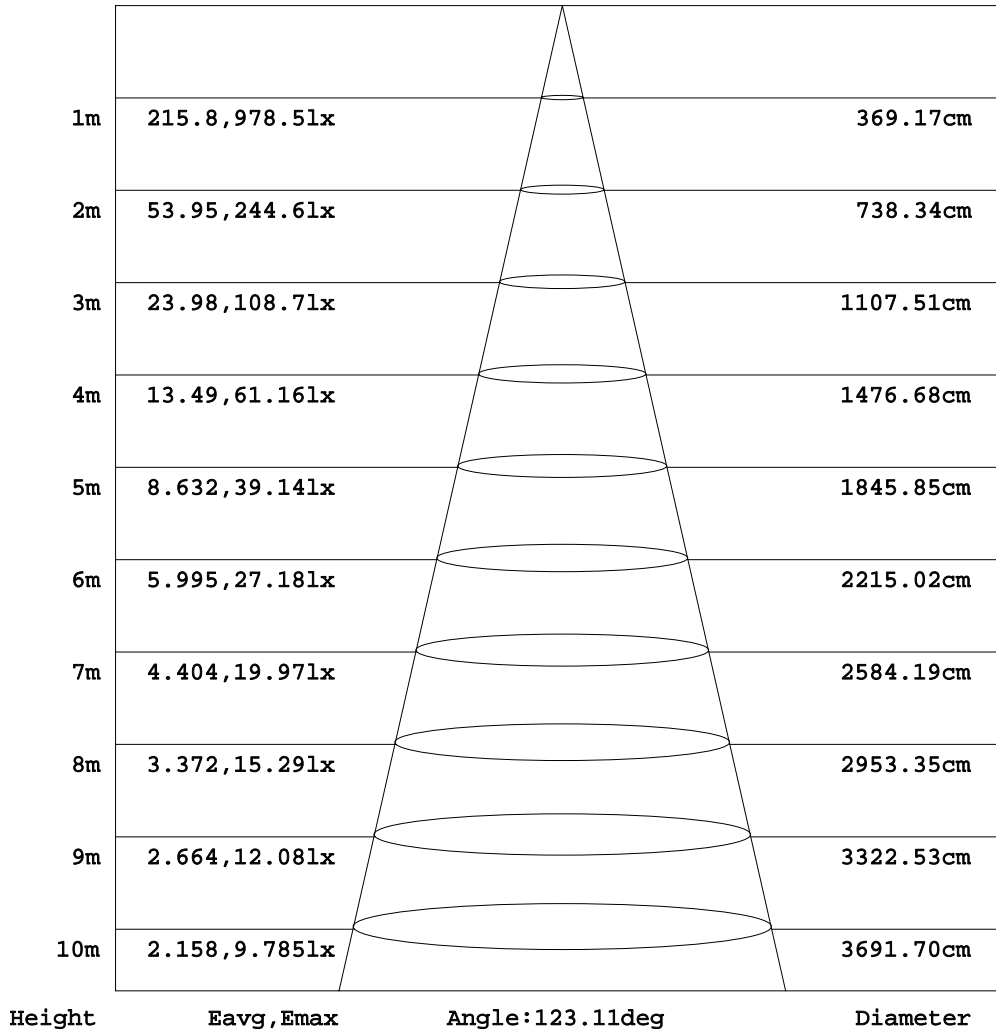
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng
 Test Date: 2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P: 48.3605W
 PF: 0.986838

AAI Figure

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

Flux out:2398 lm



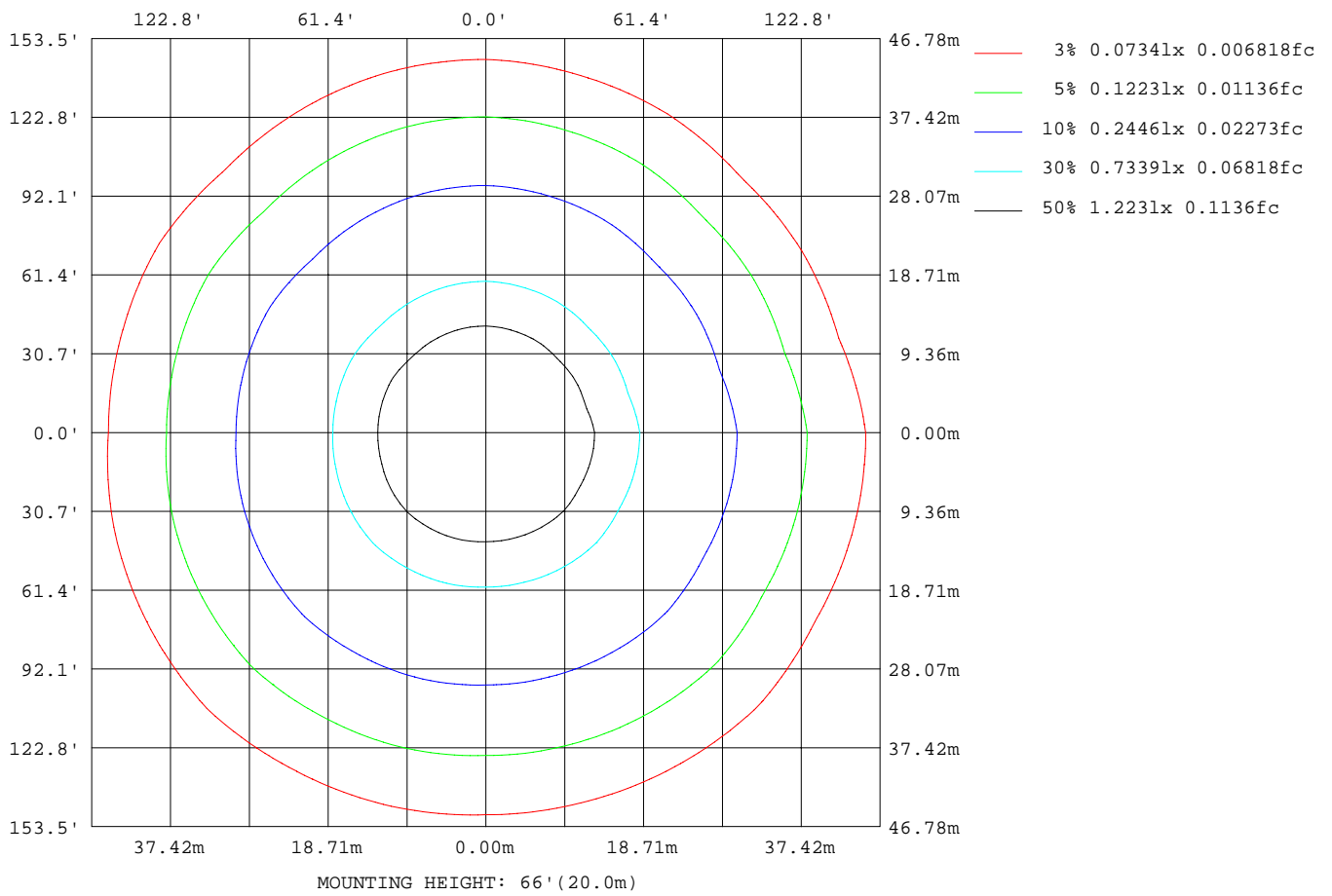
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng
 Test Date: 2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P: 48.3605W
 PF: 0.986838

ISOLUX DIAGRAM

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

LED Avg.L Report

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

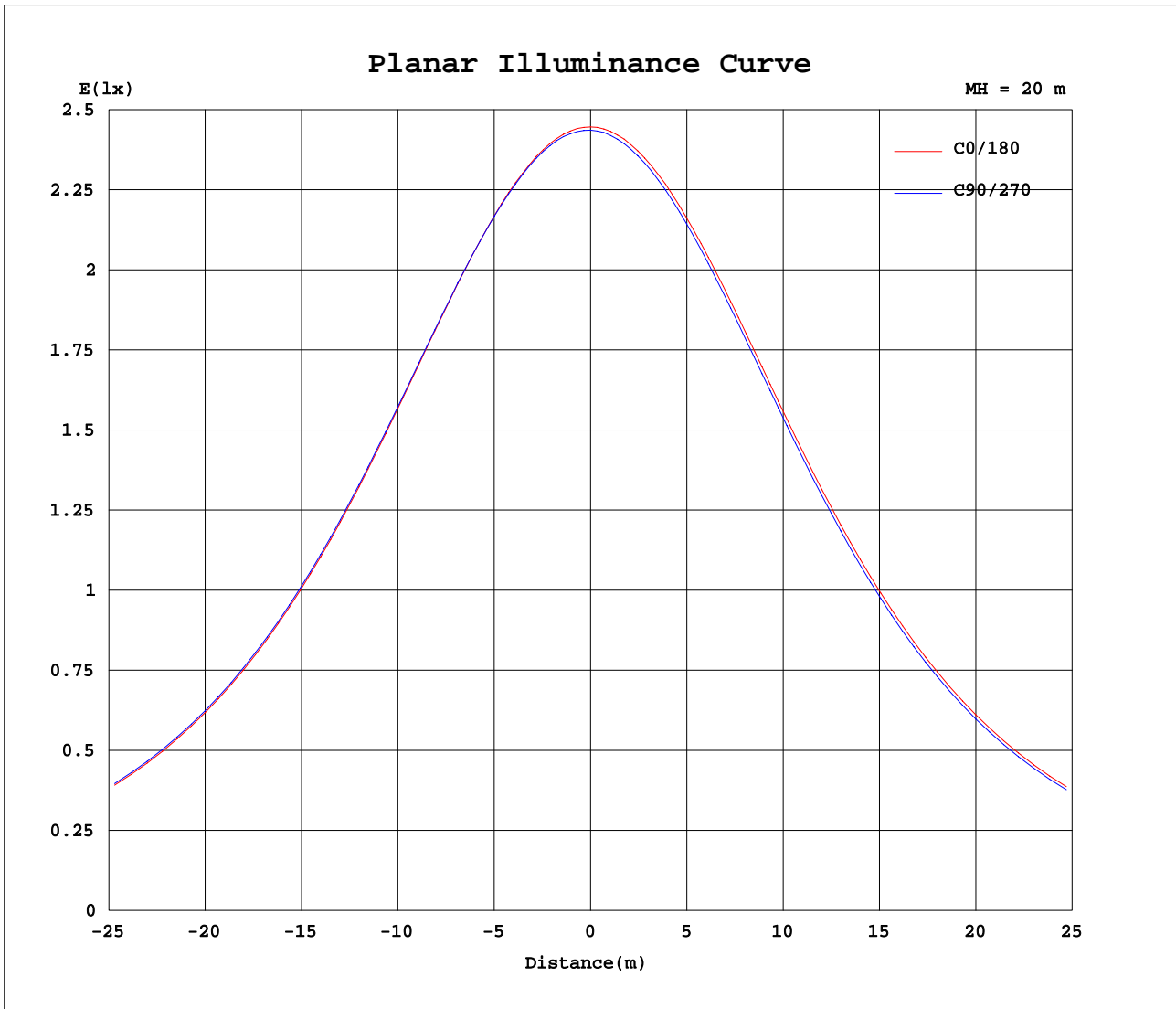
AvgL	cd/m2
L_0~180(65)av	6774
L_0~180(75)av	8029
L_0~180(85)av	12014
L_90~270(65)av	6725
L_90~270(75)av	7955
L_90~270(85)av	11903
L_45(65)av	6714
L_45(75)av	7914
L_45(85)av	10828

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng
 Test Date: 2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P: 48.3605W
 PF: 0.986838

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	979	978	977	976	975	975	975	974	973	968	965	953	979	978	977	976	975	975	975
5	975	974	974	976	974	972	973	974	974	972	965	953	974	973	973	968	969	968	969
10	964	963	962	968	965	963	962	965	967	967	960	946	962	961	961	953	954	955	955
15	946	945	944	952	949	946	945	950	952	954	946	931	943	942	942	930	932	934	934
20	920	919	918	930	925	922	921	927	930	935	925	910	916	916	916	901	904	906	907
25	888	887	885	900	895	891	890	897	901	908	896	880	883	882	882	865	869	872	872
30	849	848	846	864	858	853	853	860	866	874	861	845	843	842	843	823	827	831	831
35	804	803	801	821	815	809	809	818	824	833	820	804	798	796	797	775	780	784	784
40	754	753	751	773	766	761	760	770	777	788	774	757	747	746	747	723	728	732	733
45	699	699	697	719	713	706	706	717	724	737	723	705	692	691	692	666	672	677	677
50	641	641	638	662	655	649	649	660	669	682	667	650	633	632	633	606	613	617	617
55	579	580	577	602	594	588	587	600	608	623	608	591	571	570	571	544	551	556	555
60	517	517	515	539	531	525	525	537	546	562	547	530	508	507	508	482	488	493	493
65	454	454	452	476	468	463	462	475	484	500	485	469	445	444	445	419	426	430	430
70	391	391	390	413	406	400	400	412	421	436	422	407	383	381	383	357	364	368	368
75	330	331	329	351	344	339	339	350	358	373	360	346	322	321	322	299	304	308	308
80	266	267	265	287	280	274	274	287	296	311	299	286	259	258	259	235	242	245	244
85	165	165	159	203	193	185	190	218	231	250	237	222	164	164	169	121	135	141	136
90	6.90	6.17	4.57	44.5	30.4	24.0	31.0	68.5	98.6	145	120	88.4	12.8	13.0	17.4	4.03	3.68	3.65	3.80
95	22.3	20.5	17.6	10.8	10.4	10.6	7.75	4.25	4.20	5.04	4.50	6.53	11.6	9.46	8.35	16.6	14.3	12.7	19.0
100	47.0	29.6	18.9	26.4	24.7	35.0	34.8	31.3	25.0	20.4	29.5	50.0	37.6	23.7	15.5	12.4	17.0	23.1	29.4
105	65.5	45.2	28.0	16.9	12.0	17.4	20.8	11.6	15.4	27.5	37.2	52.2	63.6	47.9	28.1	14.1	9.99	13.2	17.9
110	50.6	35.4	31.7	19.3	12.6	13.9	14.8	9.91	9.98	19.8	31.9	37.2	53.2	41.5	35.6	21.4	8.01	10.9	11.6
115	11.9	11.9	13.5	24.7	15.5	15.0	14.8	9.42	10.6	14.0	21.8	25.7	15.5	15.3	26.5	16.8	11.0	9.83	7.68
120	20.5	18.3	16.3	16.3	21.3	24.1	17.2	14.1	12.0	7.13	17.0	20.9	17.9	18.1	17.6	15.3	15.0	17.8	7.82
125	13.4	13.7	10.9	19.2	17.3	23.0	27.4	23.8	18.8	12.1	10.2	20.8	18.3	15.4	15.8	10.3	14.9	15.4	12.2
130	6.49	7.33	4.91	16.7	11.2	16.8	27.1	25.0	17.5	17.1	13.3	9.88	8.28	9.51	10.6	7.44	7.62	13.5	13.1
135	4.29	4.49	4.56	6.46	6.71	6.34	6.68	5.63	9.48	12.7	12.4	10.3	4.51	5.47	6.06	6.98	7.90	4.21	6.02
140	4.02	4.76	6.87	7.99	9.52	8.11	9.18	5.95	11.7	13.2	7.65	8.31	4.11	4.23	7.14	8.06	4.67	4.51	4.52
145	4.00	4.25	5.10	5.78	5.45	5.15	6.48	7.90	4.52	5.64	7.39	6.62	4.10	5.06	5.14	4.64	6.34	5.51	6.02
150	4.39	4.48	4.30	5.51	4.61	5.40	6.17	4.18	6.64	5.51	4.26	4.43	4.29	4.56	5.36	5.18	4.51	4.70	4.70
155	5.47	4.68	4.40	4.46	4.61	4.78	5.06	4.86	4.87	4.21	4.39	4.98	5.74	4.42	4.45	4.33	4.27	4.76	4.72
160	4.65	4.50	4.53	5.02	4.87	4.57	4.95	4.64	4.41	4.33	4.58	4.72	4.78	4.64	4.27	4.42	4.50	4.45	4.81
165	4.72	4.63	4.61	4.63	4.78	4.86	4.76	4.72	4.54	4.63	4.54	4.52	4.64	4.65	4.34	4.55	4.55	4.60	4.82
170	4.72	4.69	4.55	4.70	4.66	4.72	4.71	4.61	4.59	4.76	4.76	4.97	4.74	4.76	4.44	4.49	4.58	4.59	4.67
175	4.67	4.64	4.59	4.67	4.81	4.75	4.71	4.70	4.73	4.79	4.80	5.46	4.63	4.60	4.52	4.62	4.68	4.62	4.65
180	4.63	4.60	4.55	4.66	4.75	4.69	4.70	4.72	4.84	4.93	4.91	5.01	4.64	4.59	4.55	4.66	4.76	4.69	4.70

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HV3050W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: ϕ 600*1200	SERIAL No.:
MFR.:	SUR.: ϕ 600	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	974	973	968	965	953														
5	967	964	958	956	945														
10	951	948	939	940	930														
15	930	925	915	917	908														
20	900	896	883	887	879														
25	864	858	844	850	843														
30	822	815	799	806	801														
35	774	767	749	758	753														
40	722	713	694	704	701														
45	665	656	636	647	645														
50	604	596	575	586	585														
55	542	533	512	523	524														
60	479	470	449	461	463														
65	416	407	387	399	401														
70	354	345	325	337	341														
75	294	284	263	276	281														
80	227	210	172	194	210														
85	97.8	70.2	19.2	41.7	57.7														
90	5.91	16.8	41.2	29.8	20.5														
95	41.5	63.9	80.2	90.0	87.4														
100	29.2	31.5	29.9	33.2	53.8														
105	15.2	15.2	19.0	26.3	36.7														
110	12.1	16.8	23.5	28.1	39.2														
115	11.4	14.0	10.0	17.0	28.7														
120	9.64	9.27	13.2	14.5	8.90														
125	9.20	6.63	8.91	19.7	19.8														
130	11.0	4.97	5.33	7.55	6.70														
135	6.70	5.34	6.57	5.73	6.04														
140	6.38	6.60	6.92	7.88	4.99														
145	4.94	5.52	5.02	4.58	4.68														
150	5.51	4.56	5.30	4.56	4.32														
155	4.71	4.55	4.61	4.74	4.47														
160	4.65	4.84	5.02	4.87	4.65														
165	4.77	4.94	4.84	4.66	4.76														
170	4.73	4.76	4.85	4.81	4.91														
175	4.74	4.84	4.90	4.90	5.03														
180	4.72	4.83	4.93	4.88	5.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng
 Test Date:2019-07-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:7.050m [K=1.0000]
 Remarks: U: 220V I: 0.222874A P:48.3605W
 PF: 0.986838