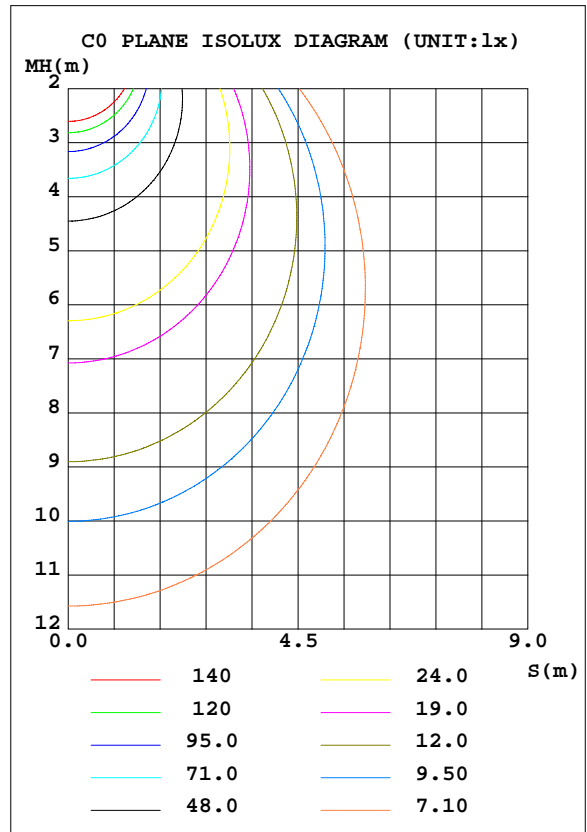
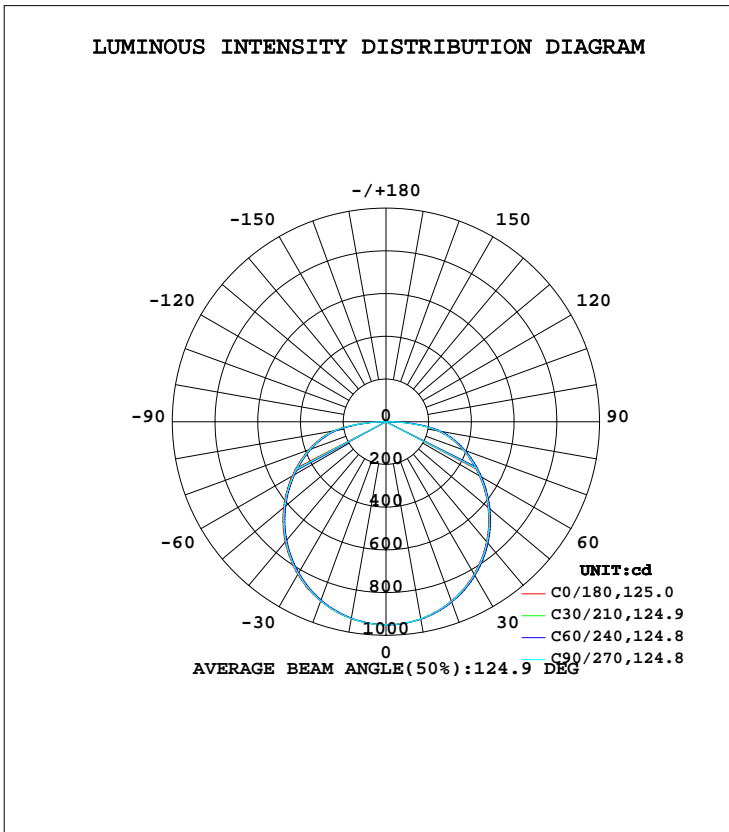


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HV3040W	Imax(cd)	951.2	S/MH(C0/180)	1.29
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3203.6	$\eta$ UP, DN(C0-180)	0.3,49.9
NOMINAL FLUX(lm)	3203.61	CIE CLASS	DIRECT	$\eta$ UP, DN(C180-360)	0.3,49.5
LAMPS INSIDE	1	$\eta$ up(%)	0.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220.0	$\eta$ down(%)	99.4	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

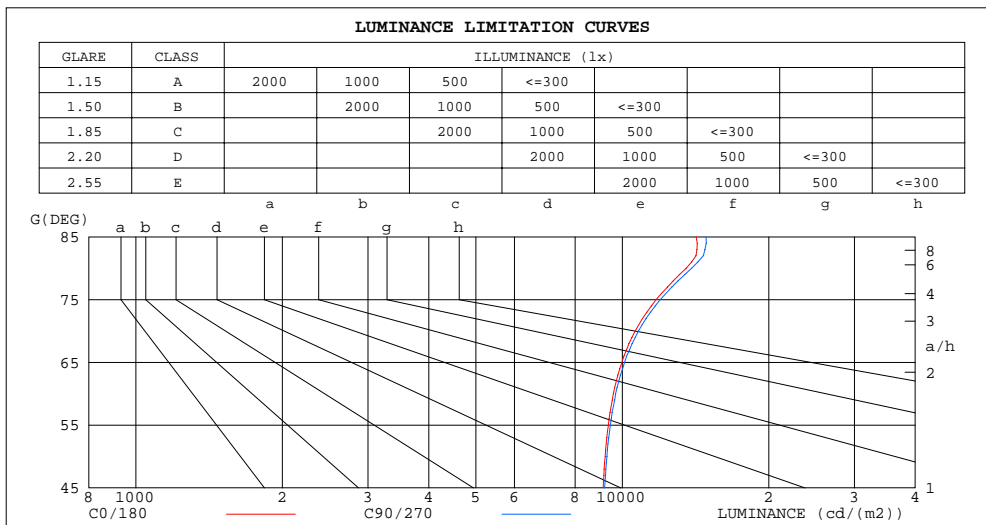
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	936.4	939.8	937.4	934.4	936.5	933.4	935.6	938.0	0- 10	90.07	90.07	2.81,2.81
20	893.3	899.3	895.9	890.6	894.3	887.9	891.9	897.0	10- 20	259.4	349.5	10.9,10.9
30	824.2	832.3	827.4	819.9	825.6	816.8	821.4	828.8	20- 30	397.6	747.1	23.3,23.3
40	732.1	742.7	736.4	727.9	734.4	722.9	729.1	738.0	30- 40	489.1	1236	38.6,38.6
50	623.6	635.1	628.7	618.5	625.4	613.2	619.1	629.1	40- 50	525.1	1761	55,55
60	504.1	516.5	509.7	499.9	507.4	493.5	499.8	509.9	50- 60	505.9	2267	70.8,70.8
70	382.2	394.7	388.5	379.0	385.5	371.1	377.6	387.0	60- 70	440.2	2707	84.5,84.5
80	247.1	263.0	253.6	242.0	251.2	231.4	242.7	253.8	70- 80	337.1	3044	95,95
90	6.238	23.37	7.917	4.588	4.964	3.932	4.968	14.48	80- 90	141.3	3186	99.4,99.4
100	1.591	1.530	1.570	1.619	1.626	1.680	1.626	1.567	90-100	2.576	3188	99.5,99.5
110	2.048	1.985	2.045	2.111	2.213	2.260	2.227	2.127	100-110	1.957	3190	99.6,99.6
120	2.625	2.568	2.629	2.667	2.814	2.813	2.801	2.673	110-120	2.395	3193	99.7,99.7
130	3.073	2.981	3.107	3.142	3.234	3.233	3.221	3.104	120-130	2.610	3195	99.7,99.7
140	3.462	3.343	3.455	3.449	3.603	3.544	3.541	3.432	130-140	2.552	3198	99.8,99.8
150	3.821	3.681	3.783	3.767	3.886	3.848	3.856	3.746	140-150	2.277	3200	99.9,99.9
160	4.166	4.091	4.155	4.163	4.218	4.227	4.190	4.142	150-160	1.833	3202	99.9,99.9
170	4.521	4.504	4.524	4.542	4.545	4.579	4.556	4.487	160-170	1.228	3203	100,100
180	4.723	4.743	4.712	4.729	4.726	4.743	4.709	4.729	170-180	0.4404	3204	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: 0.188883A P:39.7049W  
 PF: 0.956435

LUMINANCE LIMITATION CURVES

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	14182	14861
80	13527	13881
75	11736	11969
70	10622	10797
65	9978	10109
60	9583	9689
55	9360	9447
50	9221	9298
45	9131	9197

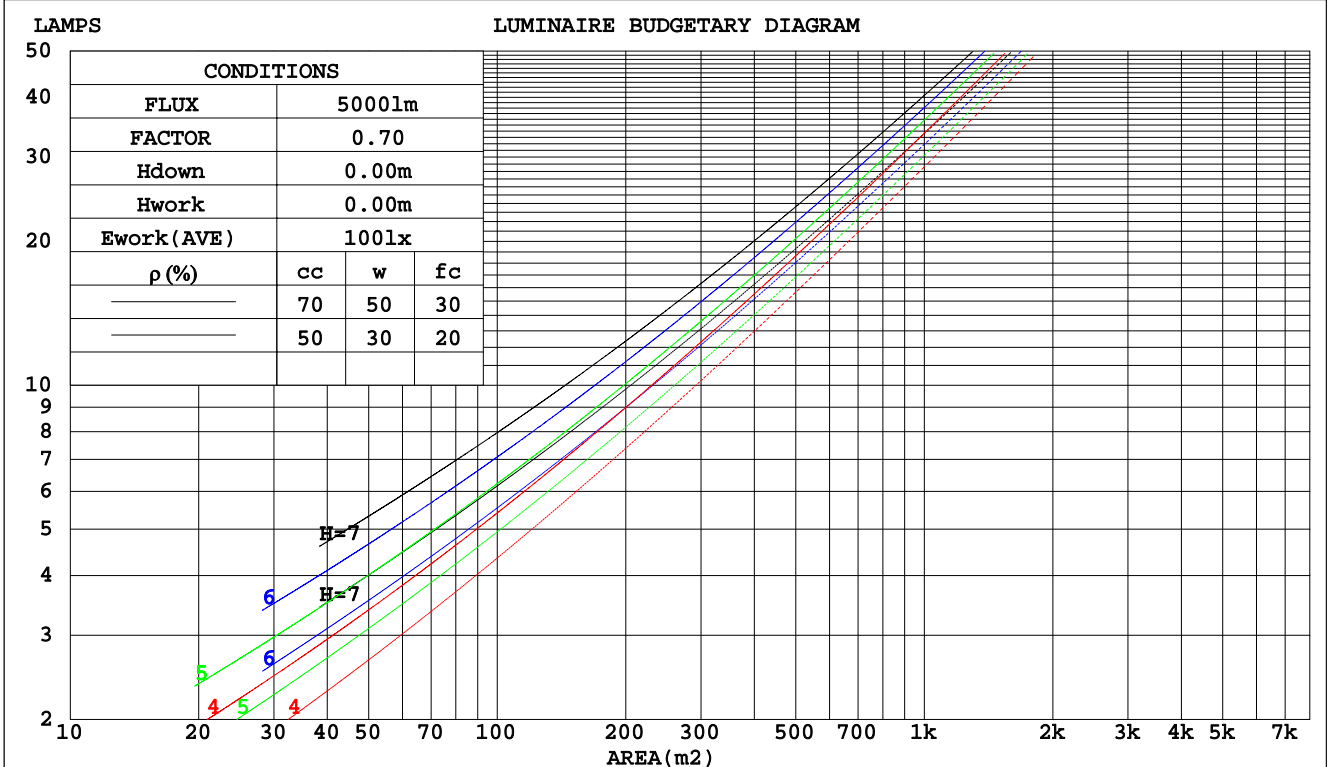
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng  
 Test Date:2019-07-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	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	1.19	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	.99
1.0	1.01	.96	.92	.99	.94	.90	.94	.91	.87	.90	.87	.84	.87	.84	.82	.79
2.0	.87	.79	.73	.85	.78	.72	.81	.75	.70	.78	.73	.68	.75	.70	.67	.64
3.0	.76	.67	.59	.74	.66	.59	.71	.64	.58	.68	.62	.57	.65	.60	.56	.53
4.0	.66	.57	.50	.65	.56	.49	.62	.55	.49	.60	.53	.48	.58	.52	.47	.45
5.0	.59	.50	.42	.58	.49	.42	.56	.48	.42	.54	.47	.41	.52	.45	.41	.38
6.0	.53	.44	.37	.52	.43	.37	.50	.42	.36	.48	.41	.36	.47	.40	.35	.33
7.0	.48	.39	.32	.47	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.31	.29
8.0	.44	.35	.29	.43	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.28	.26
9.0	.40	.31	.26	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.23
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21



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: 0.188883A P: 39.7049W  
 PF: 0.956435

WEC AND CCEC

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.359	.204	.065	.351	.200	.064	.337	.194	.062	.325	.187	.060	.313	.181	.058	
2.0	.324	.178	.055	.318	.175	.054	.306	.170	.053	.294	.165	.052	.284	.161	.051	
3.0	.294	.156	.047	.288	.154	.046	.277	.150	.046	.267	.146	.045	.257	.143	.044	
4.0	.267	.139	.041	.262	.137	.040	.252	.134	.040	.243	.130	.039	.235	.127	.039	
5.0	.244	.124	.036	.239	.123	.036	.231	.120	.035	.223	.118	.035	.215	.115	.035	
6.0	.224	.112	.032	.220	.111	.032	.213	.109	.032	.205	.107	.031	.199	.105	.031	
7.0	.207	.103	.029	.204	.102	.029	.197	.100	.029	.191	.098	.028	.185	.096	.028	
8.0	.193	.094	.026	.190	.093	.026	.183	.092	.026	.178	.090	.026	.172	.088	.026	
9.0	.180	.087	.024	.177	.086	.024	.171	.085	.024	.166	.083	.024	.161	.082	.024	
10.0	.169	.081	.022	.166	.080	.022	.161	.079	.022	.156	.078	.022	.152	.076	.022	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.188	.160	.135	.161	.137	.116	.110	.094	.080	.063	.055	.047	.020	.018	.015	
2.0	.181	.136	.098	.155	.117	.085	.106	.081	.059	.061	.047	.035	.020	.015	.011	
3.0	.173	.119	.075	.149	.102	.065	.102	.071	.046	.059	.042	.027	.019	.013	.009	
4.0	.166	.106	.060	.142	.091	.052	.098	.064	.037	.057	.037	.022	.018	.012	.007	
5.0	.158	.095	.050	.136	.083	.043	.093	.058	.030	.054	.034	.018	.017	.011	.006	
6.0	.150	.087	.042	.129	.076	.037	.089	.053	.026	.052	.031	.015	.017	.010	.005	
7.0	.143	.080	.036	.123	.070	.032	.085	.049	.022	.049	.029	.013	.016	.009	.004	
8.0	.136	.075	.032	.117	.065	.028	.081	.045	.020	.047	.027	.012	.015	.009	.004	
9.0	.130	.070	.029	.112	.060	.025	.078	.042	.018	.045	.025	.011	.015	.008	.004	
10.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

UGR(Unified Glare Rating) Table

NAME: HV3040W		TYPE:3000K					WEIGHT:				
SPEC.:		DIM.: $\phi$ 480*90					SERIAL No.:				
MFR.:		SUR.: $\phi$ 480					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	16.6	18.2	16.9	18.5	18.7	16.7	18.3	17.0	18.5	18.8	
3H	18.7	20.2	19.0	20.5	20.7	18.8	20.3	19.1	20.6	20.8	
4H	19.8	21.2	20.1	21.5	21.8	19.9	21.3	20.2	21.6	21.9	
6H	20.8	22.2	21.2	22.4	22.7	21.0	22.3	21.3	22.6	22.9	
8H	21.3	22.6	21.6	22.9	23.2	21.4	22.7	21.8	23.0	23.3	
12H	21.6	22.8	21.9	23.2	23.5	21.8	23.0	22.1	23.3	23.7	
4H 2H	17.4	18.9	17.8	19.1	19.4	17.5	18.9	17.8	19.2	19.5	
3H	19.7	21.0	20.1	21.3	21.6	19.8	21.1	20.2	21.4	21.7	
4H	21.0	22.1	21.3	22.5	22.8	21.1	22.2	21.5	22.6	22.9	
6H	22.2	23.2	22.6	23.6	24.0	22.3	23.4	22.7	23.7	24.1	
8H	22.7	23.7	23.1	24.0	24.4	22.9	23.8	23.3	24.2	24.6	
12H	23.1	24.0	23.5	24.4	24.8	23.3	24.2	23.7	24.6	25.0	
8H 4H	21.5	22.5	21.9	22.8	23.2	21.6	22.6	22.0	22.9	23.3	
6H	22.9	23.8	23.4	24.2	24.6	23.1	23.9	23.5	24.3	24.8	
8H	23.6	24.3	24.1	24.8	25.2	23.8	24.5	24.3	25.0	25.4	
12H	24.1	24.8	24.6	25.2	25.7	24.4	25.0	24.9	25.5	26.0	
12H 4H	21.6	22.5	22.0	22.9	23.3	21.7	22.6	22.1	23.0	23.4	
6H	23.1	23.9	23.6	24.3	24.8	23.3	24.0	23.7	24.4	24.9	
8H	23.9	24.5	24.4	25.0	25.5	24.0	24.7	24.5	25.1	25.6	
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, 3204 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.0)  
 Area: 0.1052 m2

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

UTILIZATION FACTORS TABLE

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:

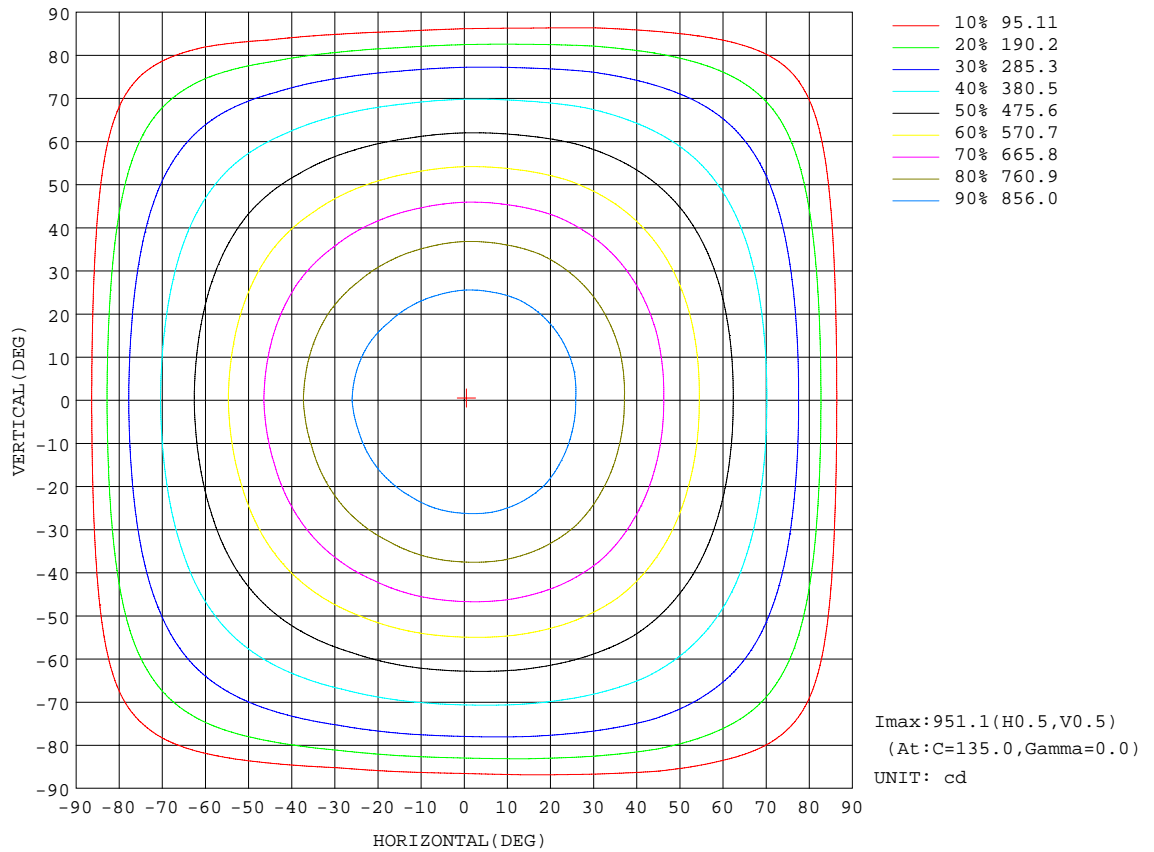
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	54	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	52	71	60	52	68	61	51	44
1.25	79	68	60	78	67	60	75	65	59	51
1.50	84	73	66	83	73	65	79	71	64	56
2.00	92	82	75	90	81	74	86	78	72	64
2.50	96	87	80	94	86	79	90	83	77	68
3.00	99	92	85	97	90	84	93	87	82	73
4.00	104	97	92	101	95	90	97	92	88	78
5.00	107	101	96	104	99	95	99	95	91	82
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

ISOCANDELA DIAGRAM

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:



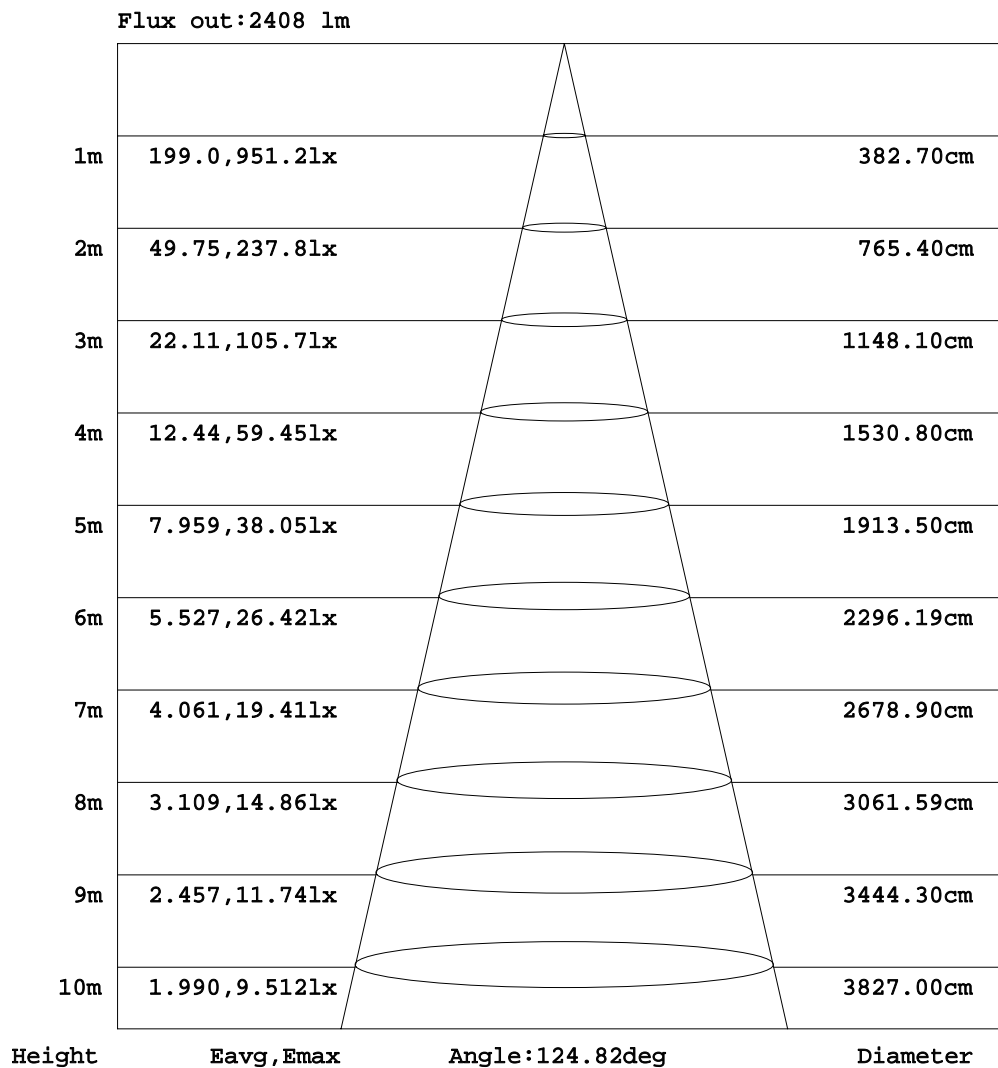
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng  
 Test Date: 2019-07-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P: 39.7049W  
 PF: 0.956435



AAI Figure

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:



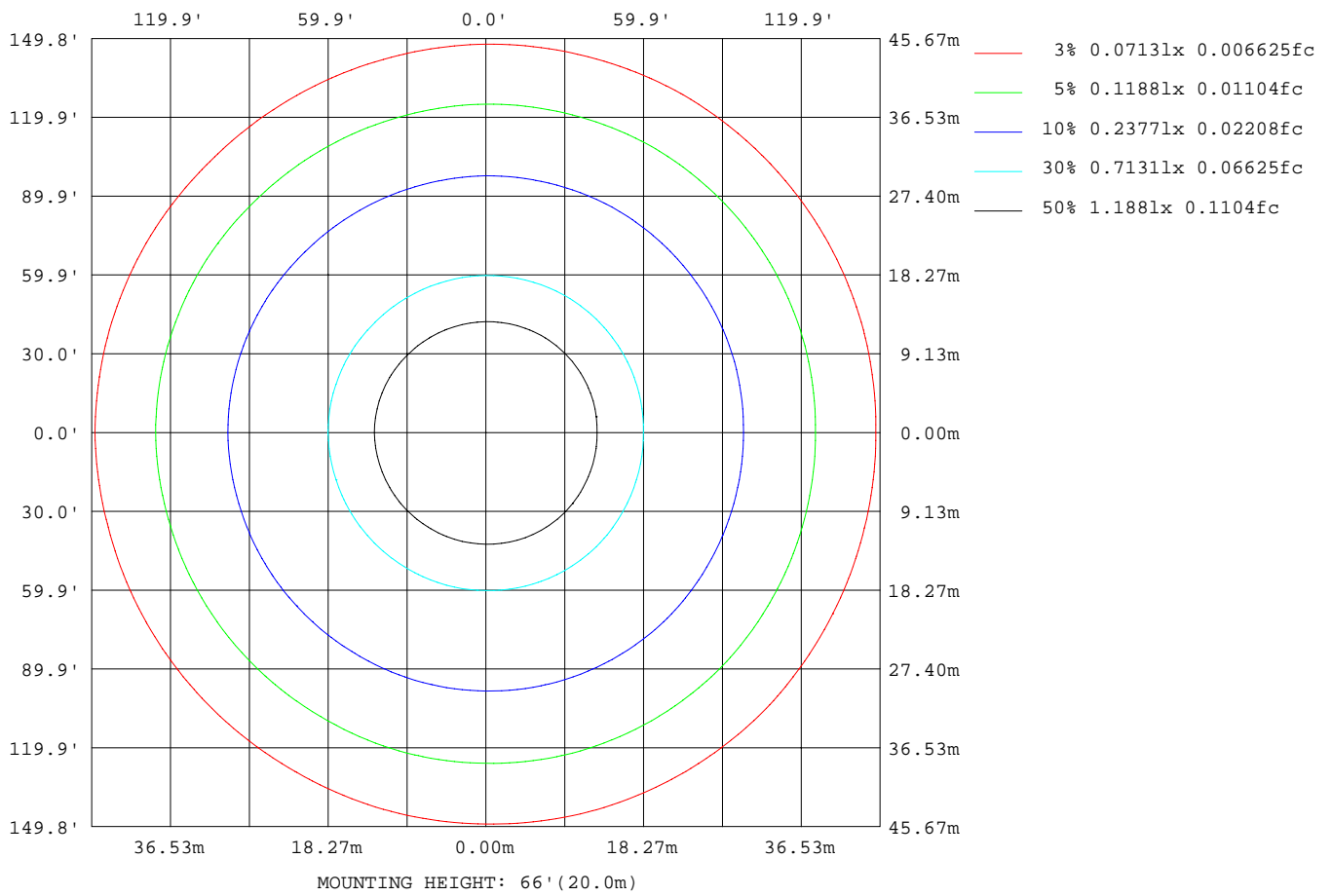
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

**ISOLUX DIAGRAM**

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

LED Avg.L Report

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:

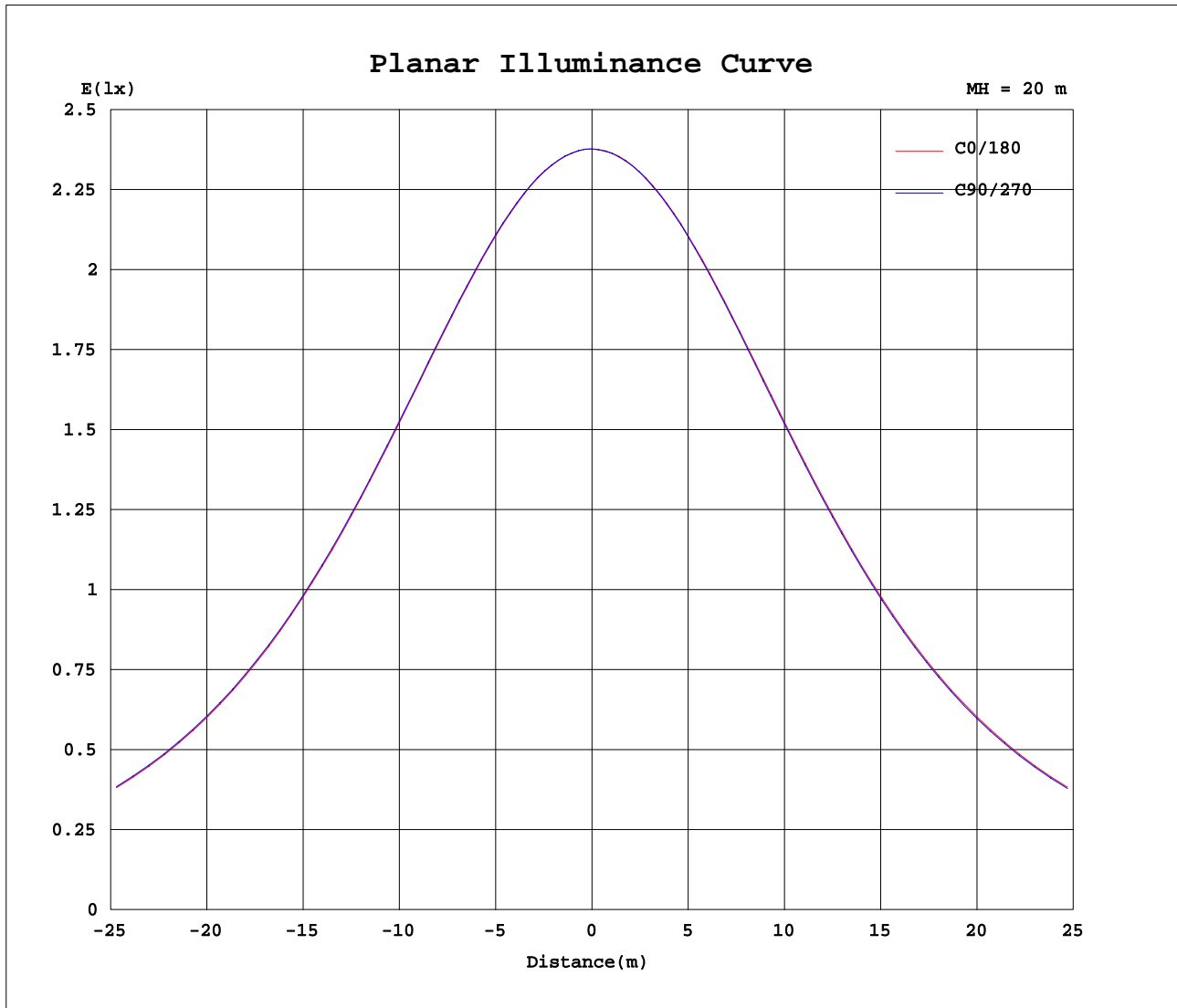
AvgL	cd/m2
L_0~180(65)av	10016
L_0~180(75)av	11801
L_0~180(85)av	14307
L_90~270(65)av	9991
L_90~270(75)av	11772
L_90~270(85)av	14226
L_45(65)av	9993
L_45(75)av	11764
L_45(85)av	14212

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P:39.7049W  
 PF: 0.956435

Planar Illuminance Curve



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 0.188883A P: 39.7049W  
 PF: 0.956435

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	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	951	951	950	951	950	951	951	951	951	951	951	951	951	951	950	951	950	951	951
5	947	947	948	949	948	948	948	947	946	946	946	946	947	947	946	945	946	946	947
10	936	937	938	940	940	939	937	937	935	934	935	935	937	936	935	933	934	934	936
15	918	919	920	923	923	922	920	919	916	916	916	917	919	918	916	914	914	915	917
20	893	894	896	899	899	898	896	894	891	891	891	891	894	893	891	888	888	889	892
25	862	863	865	869	869	868	864	862	859	858	859	859	863	862	859	855	856	857	860
30	824	825	828	832	833	831	827	825	821	820	820	821	826	824	821	817	817	818	821
35	781	782	785	790	790	789	785	781	777	776	777	777	782	781	777	772	772	773	778
40	732	734	737	743	743	741	736	733	728	728	728	729	734	732	729	723	723	724	729
45	679	681	685	691	691	689	684	681	675	675	675	676	682	680	676	670	670	671	676
50	624	625	629	635	636	634	629	624	619	618	619	620	625	624	620	613	613	614	619
55	565	566	570	576	577	575	570	566	560	560	561	562	567	565	561	554	553	555	560
60	504	506	510	517	517	515	510	506	500	500	501	501	507	505	501	493	493	495	500
65	444	446	449	456	456	455	449	446	440	440	440	441	447	444	440	433	433	434	439
70	382	384	388	395	395	394	388	385	379	379	380	380	386	383	379	371	371	372	378
75	320	322	326	333	333	331	326	322	316	316	317	318	323	320	316	308	308	310	315
80	247	250	255	263	263	261	254	249	242	242	244	245	251	247	242	231	233	234	243
85	130	134	141	154	152	148	136	130	118	119	121	124	132	127	120	106	108	113	125
90	6.24	8.16	13.2	23.4	22.3	18.0	7.92	5.33	4.81	4.59	4.63	4.47	4.96	4.65	4.29	3.93	4.11	4.44	4.97
95	1.39	1.37	1.36	1.42	1.57	1.62	1.52	1.42	1.40	1.40	1.41	1.39	1.35	1.36	1.37	1.41	1.39	1.39	1.35
100	1.59	1.57	1.56	1.53	1.54	1.54	1.57	1.59	1.61	1.62	1.62	1.61	1.63	1.64	1.65	1.68	1.67	1.67	1.63
105	1.79	1.78	1.77	1.73	1.74	1.75	1.79	1.80	1.82	1.83	1.84	1.83	1.92	1.92	1.93	1.97	1.96	1.96	1.93
110	2.05	2.04	2.01	1.98	1.98	2.00	2.04	2.07	2.09	2.11	2.14	2.11	2.21	2.20	2.22	2.26	2.26	2.25	2.23
115	2.34	2.32	2.32	2.30	2.28	2.30	2.35	2.37	2.40	2.44	2.44	2.43	2.53	2.50	2.51	2.54	2.55	2.55	2.53
120	2.63	2.60	2.57	2.57	2.54	2.60	2.63	2.64	2.67	2.67	2.70	2.70	2.81	2.77	2.78	2.81	2.82	2.81	2.80
125	2.87	2.84	2.81	2.77	2.78	2.83	2.87	2.87	2.89	2.90	2.90	2.93	3.03	2.99	3.01	3.03	3.04	3.03	3.02
130	3.07	3.05	3.00	2.98	2.97	3.02	3.11	3.09	3.09	3.14	3.10	3.11	3.23	3.22	3.20	3.23	3.23	3.23	3.22
135	3.27	3.23	3.20	3.17	3.17	3.20	3.27	3.27	3.27	3.32	3.33	3.30	3.42	3.40	3.39	3.41	3.40	3.41	3.40
140	3.46	3.43	3.38	3.34	3.35	3.40	3.46	3.44	3.45	3.45	3.48	3.50	3.60	3.57	3.54	3.54	3.53	3.56	3.54
145	3.66	3.63	3.54	3.51	3.52	3.55	3.62	3.61	3.60	3.61	3.62	3.65	3.77	3.74	3.68	3.69	3.68	3.71	3.70
150	3.82	3.77	3.71	3.68	3.69	3.72	3.78	3.78	3.77	3.77	3.79	3.80	3.89	3.89	3.86	3.85	3.84	3.86	3.86
155	3.96	3.93	3.90	3.88	3.89	3.91	3.96	3.96	3.95	3.95	3.96	3.99	4.05	4.05	4.04	4.03	4.01	4.03	4.02
160	4.17	4.14	4.11	4.09	4.10	4.12	4.16	4.15	4.15	4.16	4.17	4.17	4.22	4.20	4.19	4.23	4.21	4.20	4.19
165	4.37	4.34	4.31	4.30	4.31	4.33	4.35	4.34	4.35	4.36	4.37	4.38	4.40	4.38	4.37	4.41	4.40	4.39	4.40
170	4.52	4.50	4.50	4.50	4.51	4.52	4.52	4.51	4.52	4.54	4.55	4.55	4.55	4.55	4.56	4.58	4.57	4.56	4.56
175	4.65	4.64	4.65	4.66	4.67	4.65	4.64	4.65	4.65	4.68	4.68	4.66	4.66	4.69	4.69	4.68	4.66	4.65	4.65
180	4.72	4.72	4.73	4.74	4.72	4.71	4.71	4.71	4.72	4.73	4.72	4.71	4.73	4.72	4.73	4.74	4.72	4.71	4.71

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: 0.188883A P: 39.7049W  
 PF: 0.956435

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HV3040W	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: $\phi$ 480*90	SERIAL No.:
MFR.:	SUR.: $\phi$ 480	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	951	951	951	951	951														
5	947	948	948	948	948														
10	937	938	938	938	938														
15	919	921	921	921	921														
20	893	896	897	897	896														
25	862	866	866	866	865														
30	825	829	829	829	828														
35	781	786	786	786	785														
40	732	737	738	738	737														
45	680	685	685	685	684														
50	623	629	629	629	628														
55	564	569	570	570	569														
60	503	509	510	510	509														
65	442	449	449	449	448														
70	381	387	387	388	387														
75	318	325	325	325	324														
80	247	255	254	254	252														
85	132	144	142	141	138														
90	6.29	15.9	14.5	14.0	10.6														
95	1.36	1.46	1.42	1.37	1.33														
100	1.61	1.56	1.57	1.56	1.57														
105	1.89	1.84	1.84	1.84	1.85														
110	2.18	2.14	2.13	2.12	2.14														
115	2.47	2.42	2.41	2.41	2.42														
120	2.73	2.68	2.67	2.67	2.69														
125	2.96	2.91	2.90	2.91	2.92														
130	3.16	3.10	3.10	3.11	3.13														
135	3.33	3.28	3.28	3.29	3.31														
140	3.49	3.44	3.43	3.44	3.47														
145	3.65	3.59	3.59	3.60	3.63														
150	3.81	3.75	3.75	3.77	3.79														
155	3.99	3.94	3.94	3.96	3.96														
160	4.17	4.14	4.14	4.14	4.15														
165	4.38	4.35	4.32	4.30	4.34														
170	4.53	4.51	4.49	4.47	4.48														
175	4.65	4.66	4.65	4.63	4.62														
180	4.71	4.72	4.73	4.73	4.71														

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: 0.188883A P:39.7049W  
 PF: 0.956435