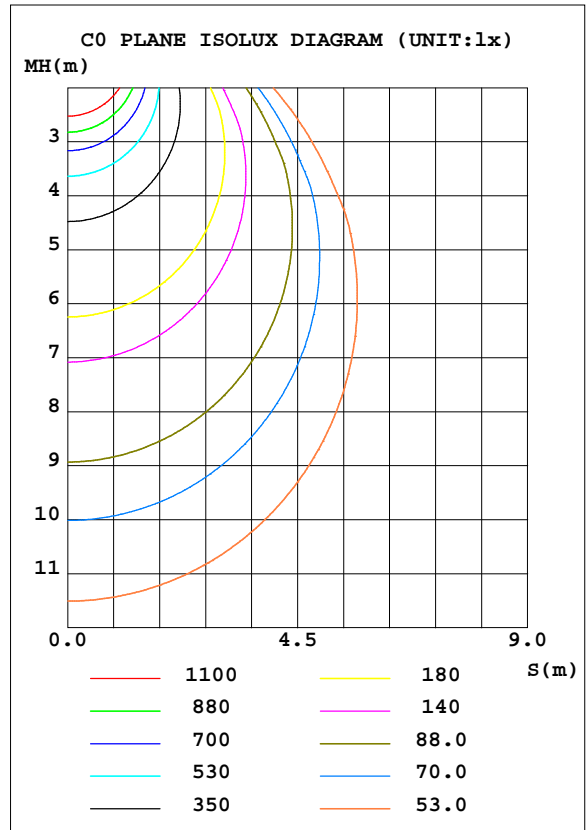
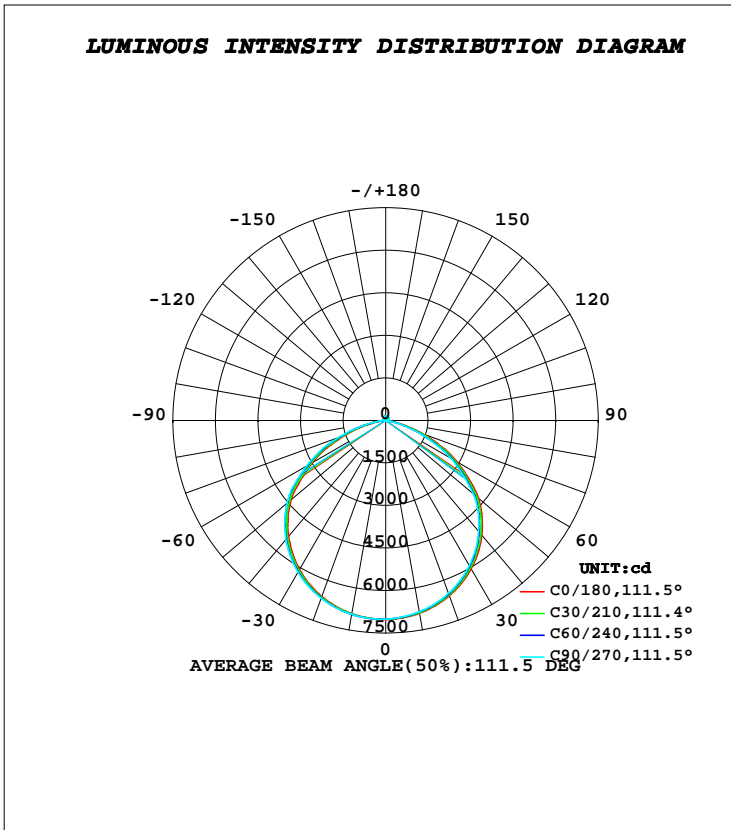


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.02 lm/W			
MODEL	ASD-UHB7HV-150D50-PRM	I <sub>max</sub> (cd)	7019	S/MH(C0/180)	1.28
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19719	η UP, DN(C0-180)	1.3, 46.3
NOMINAL FLUX(lm)	19718.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 51.0
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.6	η down(%)	97.3	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2018-04-14**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7312]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	6904	6872	6849	6849	6916	6933	6940	6936	0- 10	663.7	663.7	3.37,3.37
20	6578	6526	6486	6487	6601	6643	6668	6658	10- 20	1911	2574	13.1,13.1
30	6033	5960	5909	5905	6074	6138	6182	6174	20- 30	2923	5497	27.9,27.9
40	5277	5178	5105	5108	5327	5419	5475	5469	30- 40	3564	9061	46,46
50	4280	4146	4037	4040	4366	4479	4542	4546	40- 50	3724	12786	64.8,64.8
60	2884	2745	2639	2647	2984	3124	3217	3211	50- 60	3236	16022	81.3,81.3
70	1419	1259	1152	1164	1523	1670	1779	1763	60- 70	2183	18205	92.3,92.3
80	229.7	163.7	135.1	140.4	311.3	403.7	474.9	465.7	70- 80	866.2	19071	96.7,96.7
90	34.21	32.34	33.07	33.00	46.08	45.65	46.73	47.12	80- 90	111.7	19183	97.3,97.3
100	44.84	46.65	47.93	47.82	56.90	55.38	54.52	54.65	90-100	48.51	19231	97.5,97.5
110	61.76	63.82	65.46	65.14	72.40	70.37	69.46	69.59	100-110	62.37	19294	97.8,97.8
120	78.53	80.74	82.53	81.84	88.23	86.58	85.83	85.85	110-120	74.97	19369	98.2,98.2
130	93.41	95.89	97.51	96.41	101.4	100.2	99.72	99.69	120-130	81.58	19450	98.6,98.6
140	107.1	109.9	111.5	109.9	113.2	111.9	111.4	111.7	130-140	80.79	19531	99,99
150	121.1	123.7	124.9	123.0	125.0	123.0	122.6	122.9	140-150	73.36	19604	99.4,99.4
160	136.0	137.1	137.4	136.2	137.3	135.1	134.8	135.0	150-160	59.80	19664	99.7,99.7
170	149.3	148.7	148.4	148.1	148.7	146.2	145.8	146.1	160-170	40.06	19704	99.9,99.9
180	154.1	152.3	152.1	152.2	154.2	152.3	152.0	152.2	170-180	14.31	19719	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

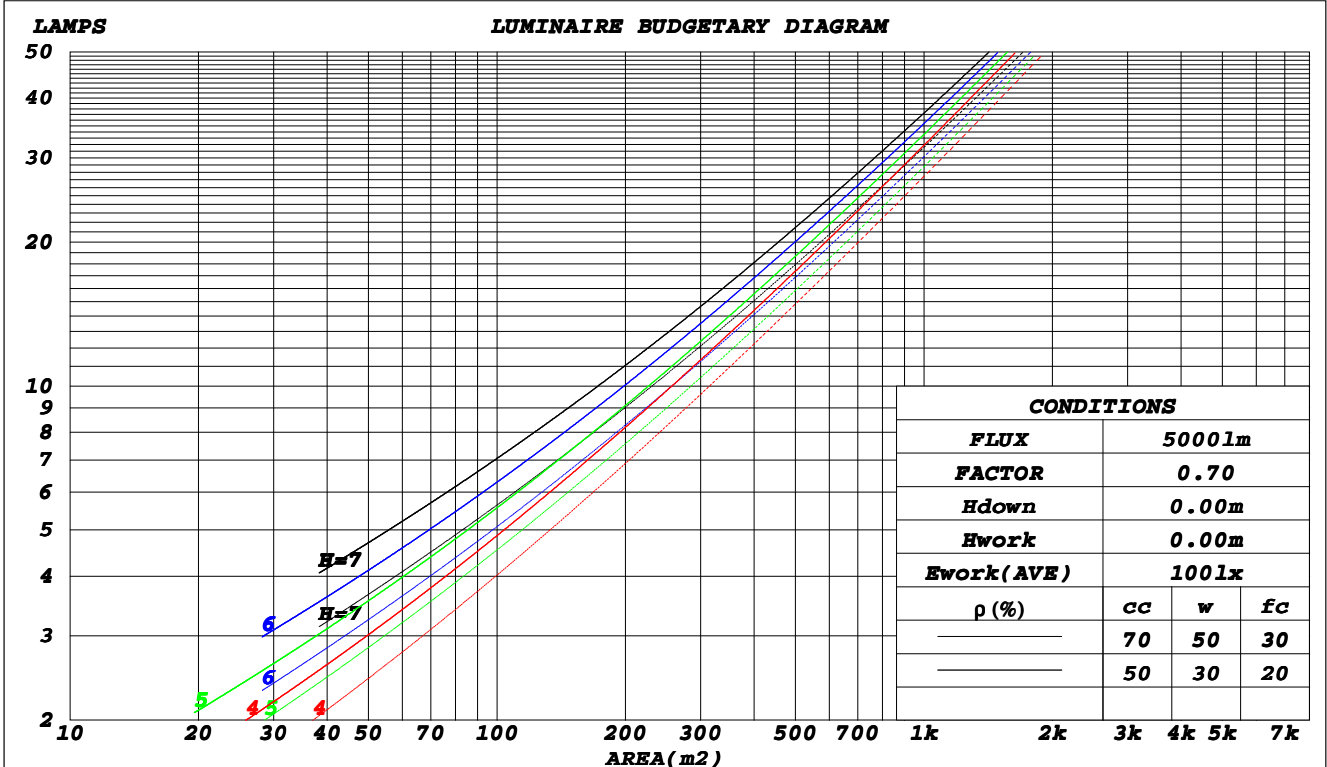
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2018-04-14**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7312]**  
**Remarks:**

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρw																
ρfc																
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.05	1.01	.97	1.02	.99	.95	.97	.95	.92	.93	.91	.89	.89	.87	.86	.83
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.82	.78	.75	.79	.75	.72	.70
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.67	.61	.55	.65	.59	.54	.62	.57	.53	.51
5.0	.64	.55	.49	.63	.55	.49	.61	.53	.48	.58	.52	.47	.56	.51	.46	.44
6.0	.58	.49	.43	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.44	.38	.51	.43	.38	.50	.42	.37	.48	.41	.37	.46	.41	.36	.34
8.0	.48	.39	.34	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.37	.31	.27	.36	.31	.27	.25



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-04-14

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7312]  
 Remarks:

**WEC AND CCEC**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.281	.160	.051	.274	.156	.050	.259	.149	.047	.245	.142	.045	.233	.135	.044	
2.0	.272	.149	.046	.265	.146	.045	.252	.140	.044	.240	.135	.042	.229	.130	.041	
3.0	.256	.136	.041	.250	.134	.040	.238	.129	.039	.227	.125	.038	.218	.120	.037	
4.0	.239	.124	.036	.233	.122	.036	.223	.118	.035	.213	.115	.035	.204	.111	.034	
5.0	.222	.113	.033	.217	.112	.033	.208	.108	.032	.200	.105	.031	.192	.102	.031	
6.0	.207	.104	.030	.203	.103	.030	.195	.100	.029	.187	.097	.029	.180	.095	.028	
7.0	.194	.096	.027	.190	.095	.027	.182	.092	.027	.175	.090	.026	.169	.088	.026	
8.0	.182	.089	.025	.178	.088	.025	.171	.086	.024	.165	.084	.024	.159	.082	.024	
9.0	.171	.083	.023	.167	.082	.023	.161	.080	.023	.156	.078	.022	.150	.076	.022	
10.0	.161	.077	.021	.158	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0																
1.0	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023	
2.0	.199	.177	.157	.170	.152	.136	.117	.105	.094	.067	.061	.055	.021	.019	.018	
3.0	.191	.153	.121	.163	.132	.105	.112	.091	.073	.065	.053	.043	.021	.017	.014	
4.0	.183	.135	.097	.157	.117	.084	.108	.081	.059	.062	.047	.035	.020	.015	.011	
5.0	.175	.122	.081	.151	.105	.070	.104	.073	.050	.060	.043	.029	.019	.014	.010	
6.0	.168	.112	.070	.145	.097	.061	.100	.067	.043	.058	.040	.025	.019	.013	.008	
7.0	.161	.103	.061	.139	.089	.053	.096	.063	.038	.056	.037	.022	.018	.012	.007	
8.0	.155	.096	.055	.133	.084	.048	.092	.059	.034	.053	.034	.020	.017	.011	.007	
9.0	.149	.091	.051	.128	.079	.044	.089	.055	.031	.052	.033	.019	.017	.011	.006	
10.0	.143	.086	.047	.123	.074	.041	.085	.052	.029	.050	.031	.017	.016	.010	.006	
10.0	.137	.081	.044	.118	.071	.039	.082	.050	.027	.048	.029	.016	.016	.010	.005	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-04-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7312]  
 Remarks:

**Uncorrected UGR Table**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm										
NAME: ASD-UHB7HV-150D50-PRM						TYPE:LED				
MFR.:										

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				
<b>x = 2H y = 2H</b>	<b>31.2</b>	<b>32.6</b>	<b>31.5</b>	<b>32.9</b>	<b>33.1</b>	<b>30.8</b>	<b>32.3</b>	<b>31.1</b>	<b>32.5</b>	<b>32.8</b>
3H	32.2	33.5	32.5	33.8	34.1	31.6	33.0	32.0	33.2	33.5
4H	32.4	33.6	32.7	33.9	34.2	31.8	33.0	32.1	33.3	33.6
6H	32.4	33.6	32.8	33.9	34.2	31.7	32.9	32.1	33.2	33.5
8H	32.3	33.5	32.7	33.8	34.1	31.6	32.8	32.0	33.1	33.4
12H	32.3	33.4	32.7	33.7	34.1	31.6	32.7	32.0	33.0	33.4
<b>4H 2H</b>	<b>31.6</b>	<b>32.8</b>	<b>31.9</b>	<b>33.1</b>	<b>33.4</b>	<b>31.3</b>	<b>32.5</b>	<b>31.6</b>	<b>32.8</b>	<b>33.1</b>
3H	32.7	33.8	33.1	34.1	34.5	32.2	33.3	32.6	33.6	34.0
4H	32.9	33.9	33.4	34.3	34.7	32.4	33.3	32.8	33.7	34.1
6H	33.0	33.8	33.4	34.2	34.7	32.3	33.2	32.8	33.6	34.0
8H	32.9	33.7	33.4	34.2	34.6	32.3	33.1	32.7	33.5	33.9
12H	32.9	33.6	33.4	34.1	34.5	32.2	33.0	32.7	33.4	33.9
<b>8H 4H</b>	<b>32.9</b>	<b>33.7</b>	<b>33.4</b>	<b>34.1</b>	<b>34.6</b>	<b>32.4</b>	<b>33.2</b>	<b>32.8</b>	<b>33.6</b>	<b>34.0</b>
6H	33.0	33.7	33.5	34.1	34.6	32.4	33.0	32.8	33.5	34.0
8H	33.0	33.6	33.5	34.0	34.5	32.3	32.9	32.8	33.4	33.9
12H	32.9	33.4	33.5	33.9	34.5	32.3	32.8	32.8	33.3	33.8
<b>12H 4H</b>	<b>32.9</b>	<b>33.6</b>	<b>33.4</b>	<b>34.1</b>	<b>34.5</b>	<b>32.3</b>	<b>33.1</b>	<b>32.8</b>	<b>33.5</b>	<b>34.0</b>
6H	33.0	33.5	33.5	34.0	34.5	32.3	32.9	32.8	33.4	33.9
8H	32.9	33.4	33.5	33.9	34.5	32.3	32.8	32.8	33.3	33.8
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.3 / - 0.4</b>					<b>+ 0.4 / - 0.4</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.5</b>					<b>+ 0.3 / - 0.6</b>				
<b>2.0H</b>	<b>+ 0.6 / - 0.6</b>					<b>+ 0.5 / - 0.6</b>				

CIE Pub.117 Corrected 19719 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.4)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-04-14

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7312]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

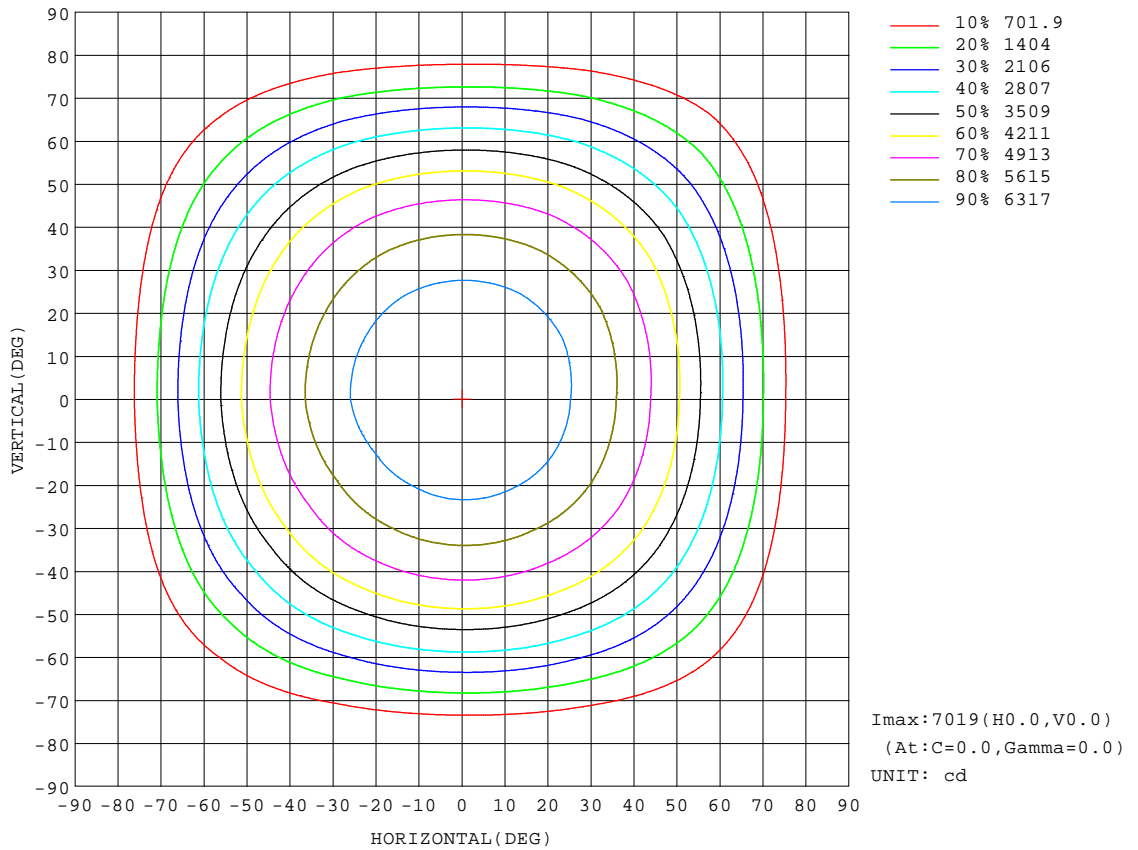
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	40	57	46	40	56	46	39	33
0.80	68	57	50	67	56	50	65	55	49	42
1.00	77	66	59	76	66	59	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	58
1.50	89	80	73	87	79	72	84	77	71	63
2.00	96	88	82	94	86	81	90	84	79	71
2.50	100	92	87	97	91	86	93	88	83	75
3.00	103	96	91	101	95	90	96	91	88	79
4.00	107	101	97	104	99	95	99	96	92	83
5.00	109	104	101	106	102	99	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2018-04-14**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7312]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		



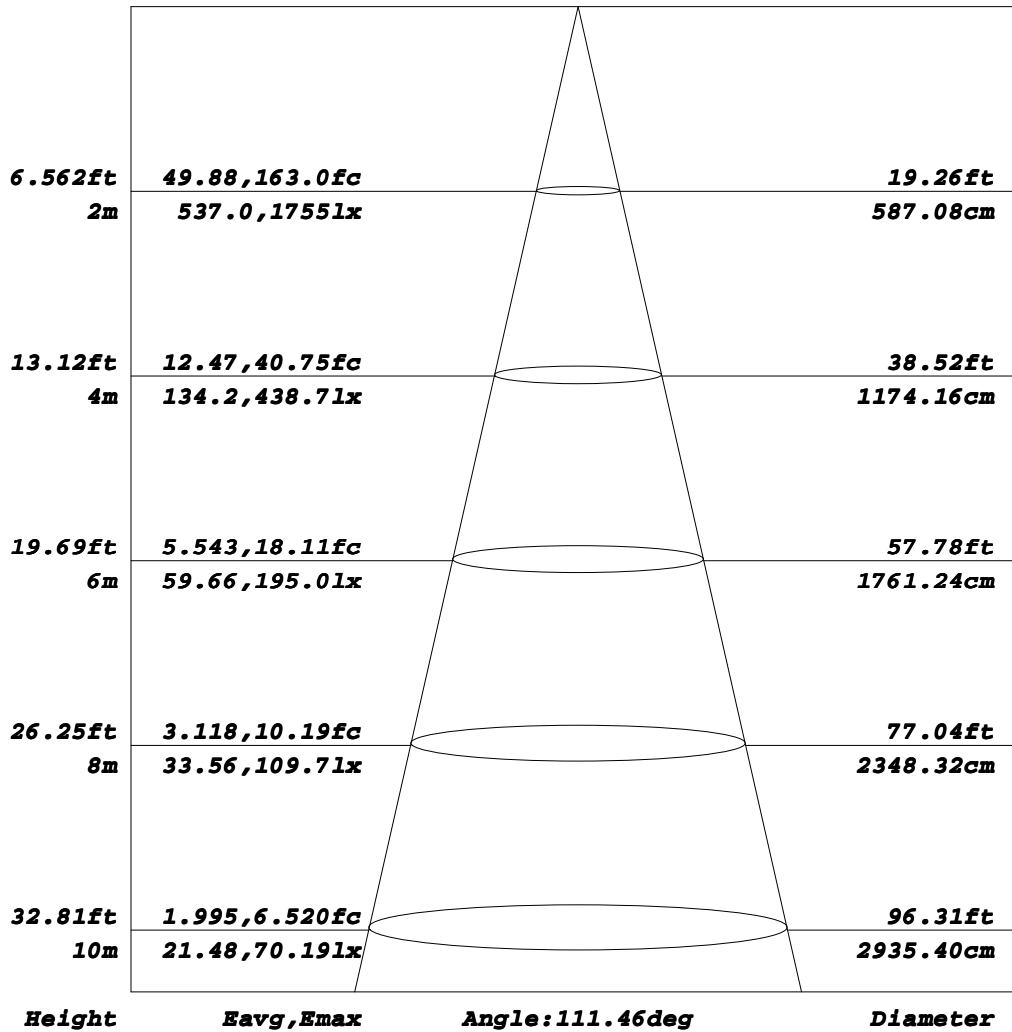
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2018-04-14**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7312]**  
**Remarks:**

**AAI Figure**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

Flux out:14831 lm



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

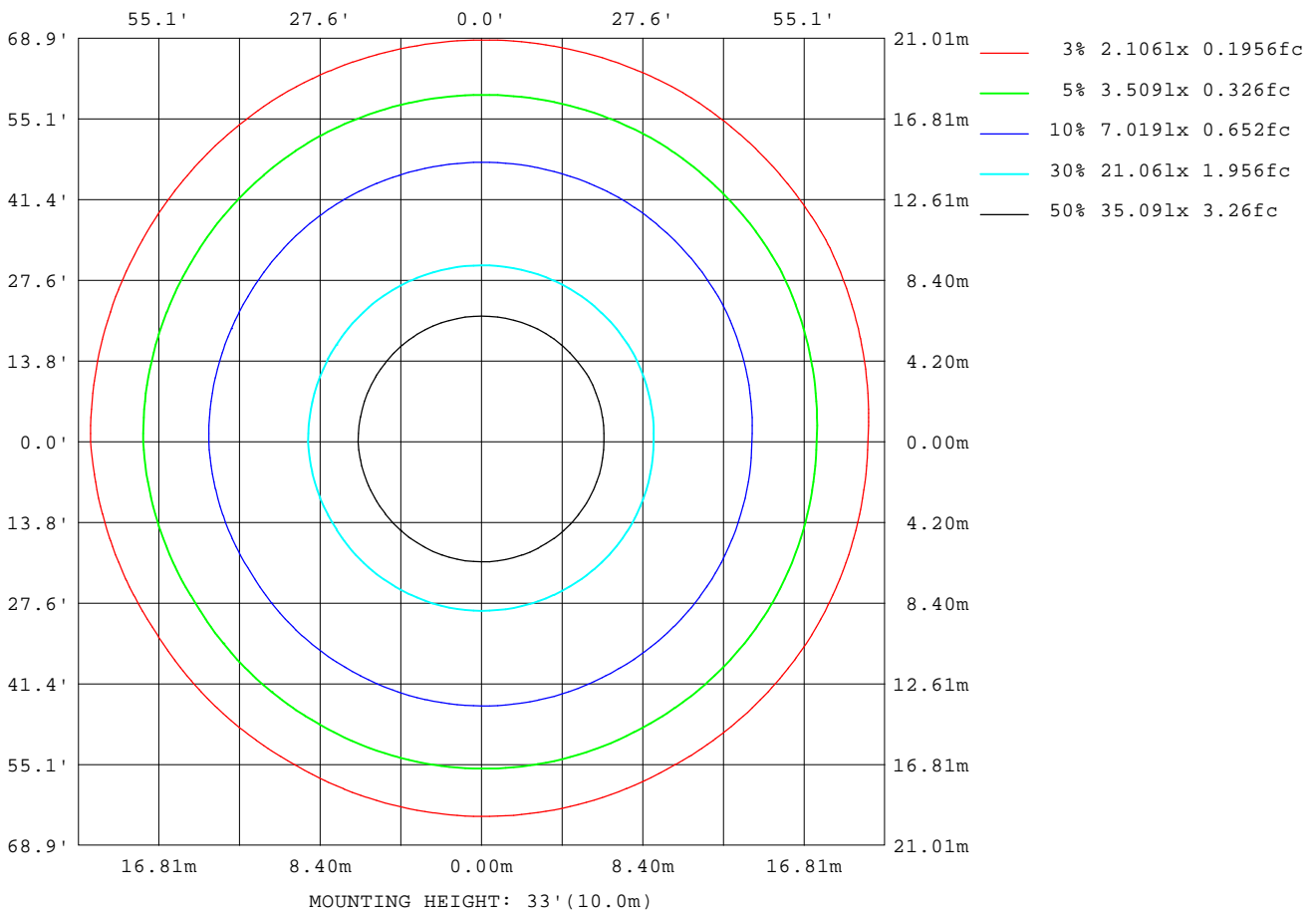
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-04-14

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7312]  
 Remarks:



**ISOLUX DIAGRAM**

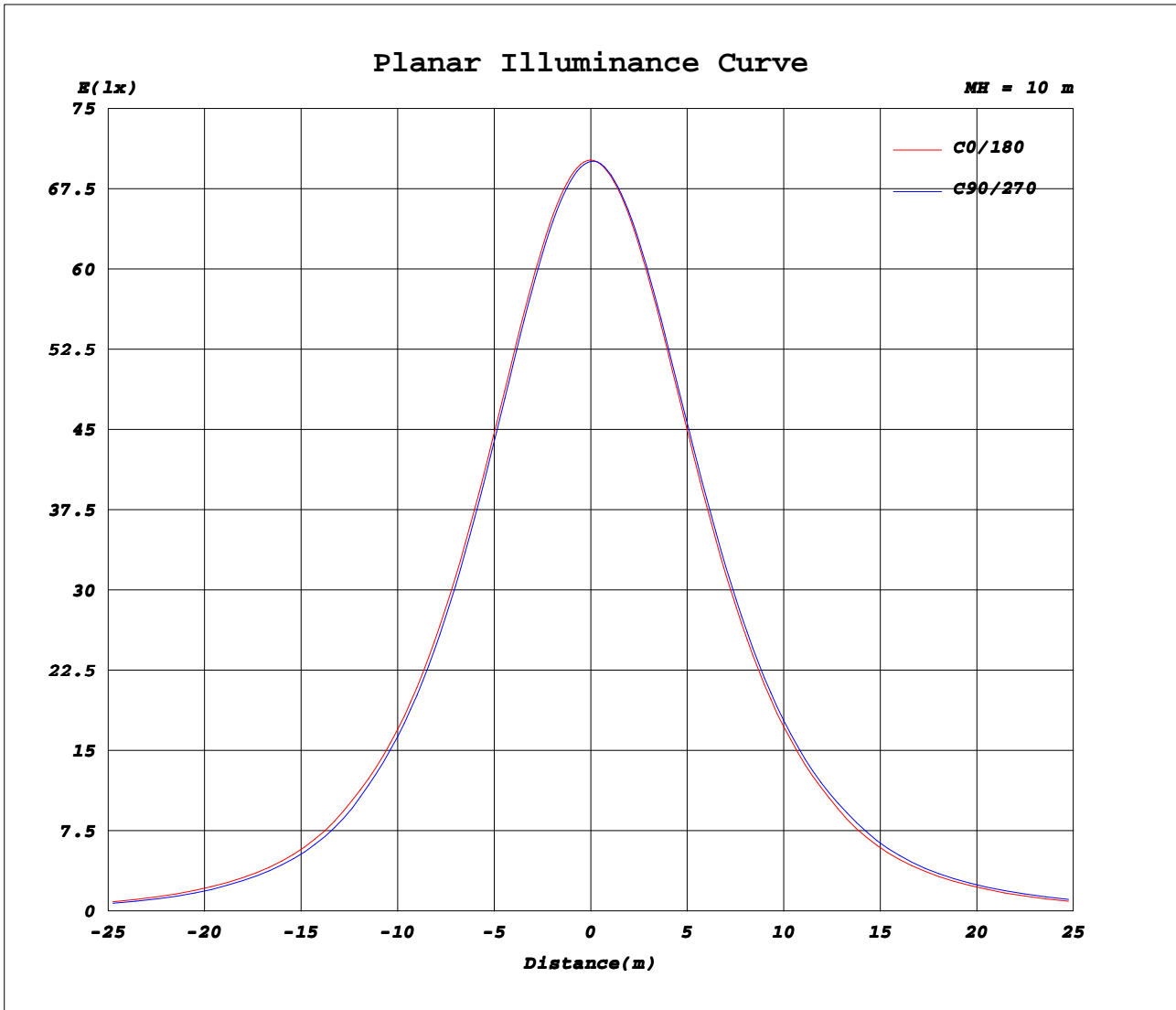
Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2018-04-14**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7312]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2018-04-14**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7312]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.6V I:0.6980A P:150.5W PF:0.9960 Lamp Flux:19718.6x1 lm		
NAME: ASD-UHB7HV-150D50-PRM	TYPE:LED	
MFR.:		

Table--1

UNIT: cd

C(DEG)\ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	7019	7014	7009	7007	7004	7003	7019	7014	7009	7007	7004	7003							
5	6987	6973	6958	6951	6947	6954	6991	6993	7001	7001	7001	6992							
10	6904	6884	6860	6849	6843	6855	6916	6923	6942	6940	6944	6928							
15	6767	6742	6708	6695	6685	6704	6785	6803	6830	6831	6837	6811							
20	6578	6546	6505	6486	6474	6499	6601	6628	6659	6668	6673	6643							
25	6331	6295	6246	6224	6209	6238	6367	6398	6438	6450	6458	6427							
30	6033	5990	5930	5909	5888	5923	6074	6112	6165	6182	6192	6155							
35	5685	5636	5562	5535	5514	5554	5725	5775	5840	5856	5872	5829							
40	5277	5223	5134	5105	5085	5132	5327	5382	5456	5475	5495	5444							
45	4808	4750	4646	4620	4595	4651	4878	4936	5024	5040	5070	5005							
50	4280	4212	4080	4037	3990	4091	4366	4424	4534	4542	4585	4507							
55	3570	3481	3359	3311	3290	3357	3664	3749	3899	3933	3968	3860							
60	2884	2807	2682	2639	2607	2686	2984	3059	3188	3217	3256	3166							
65	2165	2048	1917	1864	1834	1929	2279	2389	2510	2548	2578	2494							
70	1419	1335	1182	1152	1118	1210	1523	1606	1734	1779	1803	1722							
75	735	664	558	530	505	575	849	912	1045	1059	1109	1004							
80	230	190	138	135	121	160	311	357	450	475	502	430							
85	40.3	37.7	33.7	32.6	32.2	35.3	70.4	84.3	122	123	134	101							
90	34.2	32.0	32.7	33.1	33.3	32.7	46.1	45.2	46.1	46.7	47.9	46.3							
95	37.3	38.2	39.5	40.0	40.3	39.5	50.4	49.7	48.5	48.4	48.0	48.9							
100	44.8	45.9	47.4	47.9	48.3	47.4	56.9	56.0	54.7	54.5	54.2	55.1							
105	53.2	54.3	55.9	56.5	56.9	55.9	64.3	63.2	61.9	61.6	61.3	62.3							
110	61.8	63.0	64.6	65.5	65.6	64.6	72.4	71.0	69.7	69.5	69.1	70.1							
115	70.3	71.7	73.3	74.4	74.2	73.4	80.6	79.2	78.2	77.7	77.5	78.2							
120	78.5	79.9	81.6	82.5	82.3	81.4	88.2	86.9	86.3	85.8	85.6	86.1							
125	86.1	87.7	89.2	90.3	89.7	88.9	95.2	94.0	93.6	93.2	92.9	93.4							
130	93.4	95.1	96.7	97.5	96.9	95.9	101	100	100.0	99.7	99.4	99.9							
135	100	102	104	105	104	103	107	106	106	106	106	106							
140	107	109	110	111	110	110	113	112	112	111	112	112							
145	114	116	117	118	117	116	119	118	117	117	117	117							
150	121	123	124	125	123	123	125	124	123	123	123	123							
155	128	130	131	131	130	130	131	129	129	128	129	129							
160	136	137	137	137	137	136	137	136	134	135	135	135							
165	143	144	143	143	143	142	143	141	140	140	140	141							
170	149	149	148	148	148	148	149	147	146	146	146	147							
175	153	152	152	152	152	152	152	150	149	149	149	150							
180	154	153	152	152	152	152	154	153	152	152	152	152							

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2018-04-14**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7312]**  
**Remarks:**