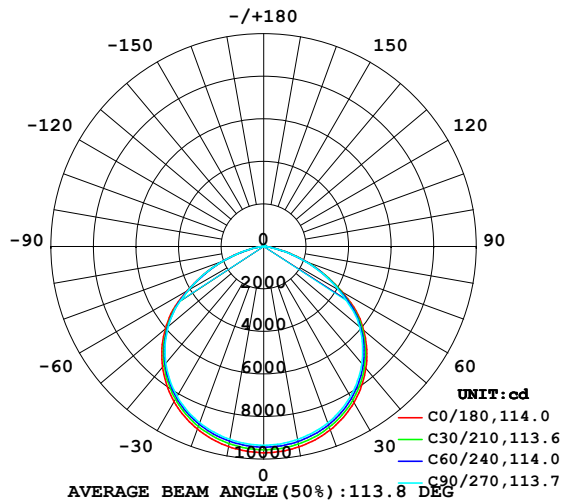


LUMINAIRE PHOTOMETRIC TEST REPORT

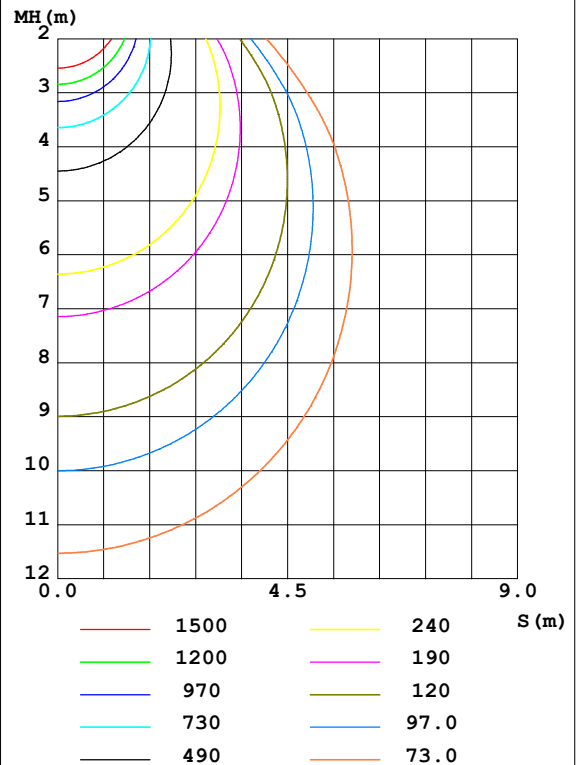
Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.03 lm/W			
MODEL	ASD-UHB2-200D40W-PRM	I _{max} (cd)	9702	S/MH (C0/180)	1.29
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	26560	η UP, DN (C0-180)	0.5, 49.6
NOMINAL FLUX (lm)	26559.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.3
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	99.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

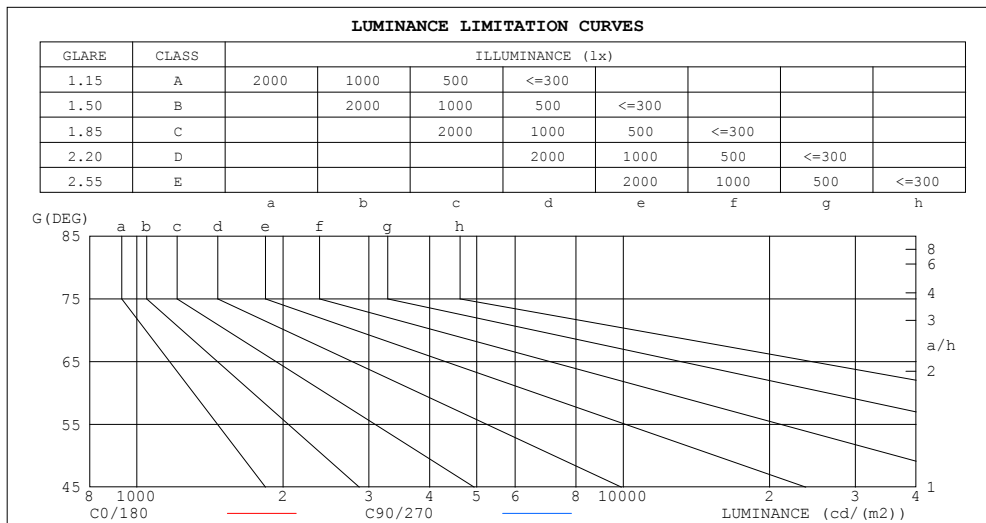
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9566	9368	9208	9111	9552	9339	9205	9116	0- 10	890.6	890.6	3.35,3.35
20	9174	8987	8825	8721	9137	8932	8815	8740	10- 20	2571	3461	13,13
30	8483	8316	8152	8052	8425	8234	8141	8074	20- 30	3952	7413	27.9,27.9
40	7475	7342	7185	7083	7401	7225	7164	7106	30- 40	4843	12256	46.1,46.1
50	6140	6038	5891	5799	6039	5887	5860	5826	40- 50	5088	17344	65.3,65.3
60	4237	4169	4062	3963	4135	4001	4059	4024	50- 60	4510	21854	82.3,82.3
70	2245	2173	2081	2044	2111	1993	2087	2084	60- 70	3042	24896	93.7,93.7
80	494.1	491.9	437.4	411.3	419.2	394.3	424.1	438.9	70- 80	1251	26147	98.4,98.4
90	7.336	7.032	7.235	7.241	6.943	6.814	6.472	6.254	80- 90	140.5	26288	99,99
100	16.17	15.68	16.00	16.01	16.52	16.16	15.53	15.10	90-100	11.96	26300	99,99
110	28.78	28.03	28.29	28.26	29.72	29.04	28.15	27.53	100-110	23.09	26323	99.1,99.1
120	42.59	41.62	41.62	41.52	43.76	42.70	41.63	40.80	110-120	34.76	26358	99.2,99.2
130	55.32	54.15	53.91	53.73	56.55	55.19	53.94	53.05	120-130	43.06	26401	99.4,99.4
140	66.27	65.04	64.52	64.24	67.65	65.90	64.63	63.61	130-140	46.13	26447	99.6,99.6
150	75.88	74.62	73.80	73.41	77.30	75.20	73.79	72.72	140-150	43.62	26491	99.7,99.7
160	84.46	83.29	82.04	81.57	85.82	83.35	81.86	80.70	150-160	36.20	26527	99.9,99.9
170	92.22	90.76	89.28	88.63	92.95	90.49	88.88	87.52	160-170	24.32	26551	100,100
180	96.88	95.50	93.51	92.47	97.57	95.03	93.82	92.27	170-180	8.736	26560	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	42023	38563
80	111140	98394
75	190789	175112
70	256405	237650
65	296651	285980
60	331046	317344
55	361987	342426
50	373113	357981
45	378518	363554

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm											
NAME: ASD-UHB2-200D40W-PRM						TYPE:					
MFR.: ASD LIGHTING CORP											

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.284	.161	.051	.276	.158	.050	.262	.151	.048	.250	.144	.046	.238	.138	.045	
2.0	.274	.150	.046	.268	.148	.045	.256	.142	.044	.245	.137	.043	.234	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.222	.123	.038	
4.0	.241	.125	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.209	.105	.030	.205	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.195	.096	.027	.192	.095	.027	.185	.093	.027	.178	.091	.027	.172	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.173	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.078	.022	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.159	.141	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.178	.140	.108	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.170	.122	.084	.146	.105	.073	.100	.073	.051	.058	.043	.030	.019	.014	.010	
4.0	.163	.109	.068	.140	.094	.059	.096	.066	.041	.056	.038	.024	.018	.012	.008	
5.0	.156	.098	.056	.134	.085	.049	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.149	.090	.048	.128	.078	.042	.088	.055	.030	.051	.032	.018	.017	.010	.006	
7.0	.142	.083	.042	.122	.072	.036	.084	.051	.026	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
9.0	.130	.072	.034	.112	.063	.029	.078	.044	.021	.045	.026	.012	.015	.009	.004	
10.0	.124	.068	.031	.107	.059	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm										
NAME: ASD-UHB2-200D40W-PRM					TYPE:					
MFR.: ASD LIGHTING CORP										
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	22.0	23.5	22.3	23.7	23.9	21.8	23.3	22.1	23.5	23.7
3H	23.2	24.5	23.5	24.8	25.0	23.0	24.3	23.3	24.6	24.8
4H	23.5	24.7	23.8	25.0	25.3	23.2	24.5	23.6	24.8	25.1
6H	23.5	24.8	23.9	25.0	25.3	23.3	24.5	23.6	24.8	25.1
8H	23.5	24.7	23.9	25.0	25.3	23.3	24.4	23.6	24.7	25.0
12H	23.5	24.6	23.8	24.9	25.2	23.2	24.3	23.6	24.6	25.0
4H 2H	22.5	23.8	22.8	24.1	24.3	22.4	23.6	22.7	23.9	24.2
3H	23.8	24.9	24.1	25.2	25.5	23.6	24.7	24.0	25.0	25.4
4H	24.2	25.2	24.5	25.5	25.9	24.0	25.0	24.4	25.3	25.7
6H	24.3	25.2	24.7	25.6	25.9	24.1	25.0	24.5	25.3	25.7
8H	24.3	25.1	24.7	25.5	25.9	24.1	24.9	24.5	25.3	25.7
12H	24.3	25.0	24.7	25.4	25.9	24.0	24.8	24.5	25.2	25.6
8H 4H	24.2	25.1	24.7	25.5	25.9	24.1	24.9	24.5	25.3	25.7
6H	24.4	25.1	24.9	25.5	26.0	24.2	24.9	24.7	25.3	25.8
8H	24.5	25.1	24.9	25.5	26.0	24.2	24.8	24.7	25.3	25.8
12H	24.4	25.0	24.9	25.4	25.9	24.2	24.7	24.7	25.2	25.7
12H 4H	24.2	25.0	24.6	25.4	25.8	24.0	24.8	24.5	25.2	25.6
6H	24.4	25.0	24.9	25.5	25.9	24.2	24.8	24.7	25.3	25.7
8H	24.4	25.0	24.9	25.4	25.9	24.2	24.7	24.7	25.2	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 26560 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.4)
Area: 0.0256 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

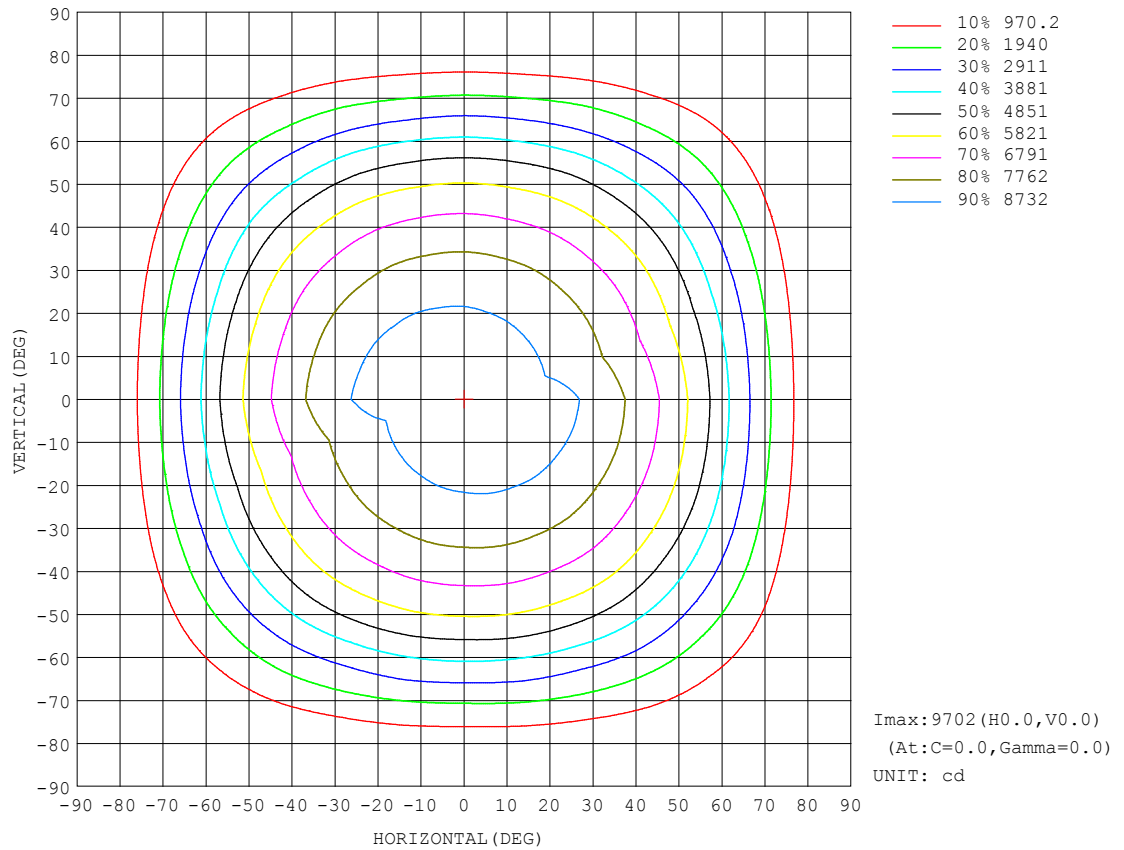
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	88	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

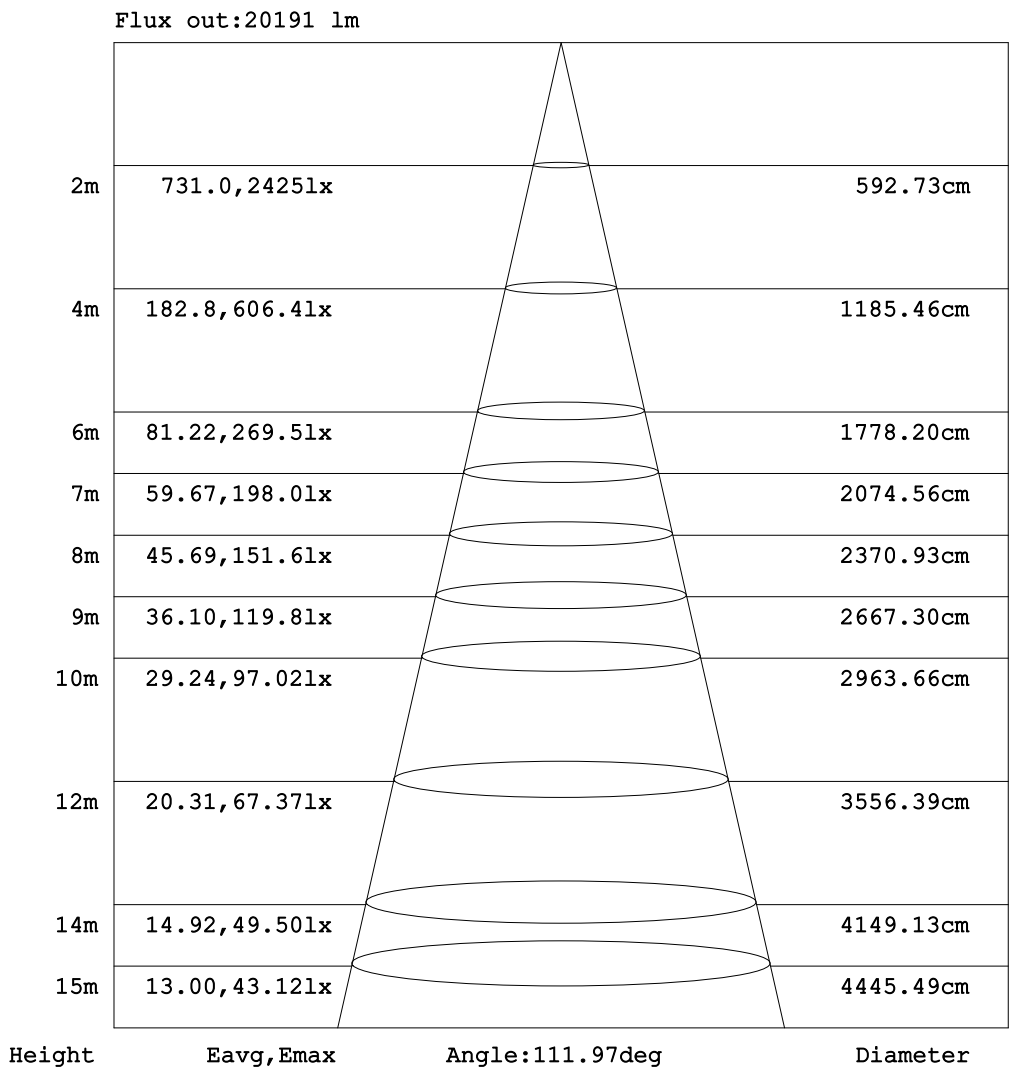


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



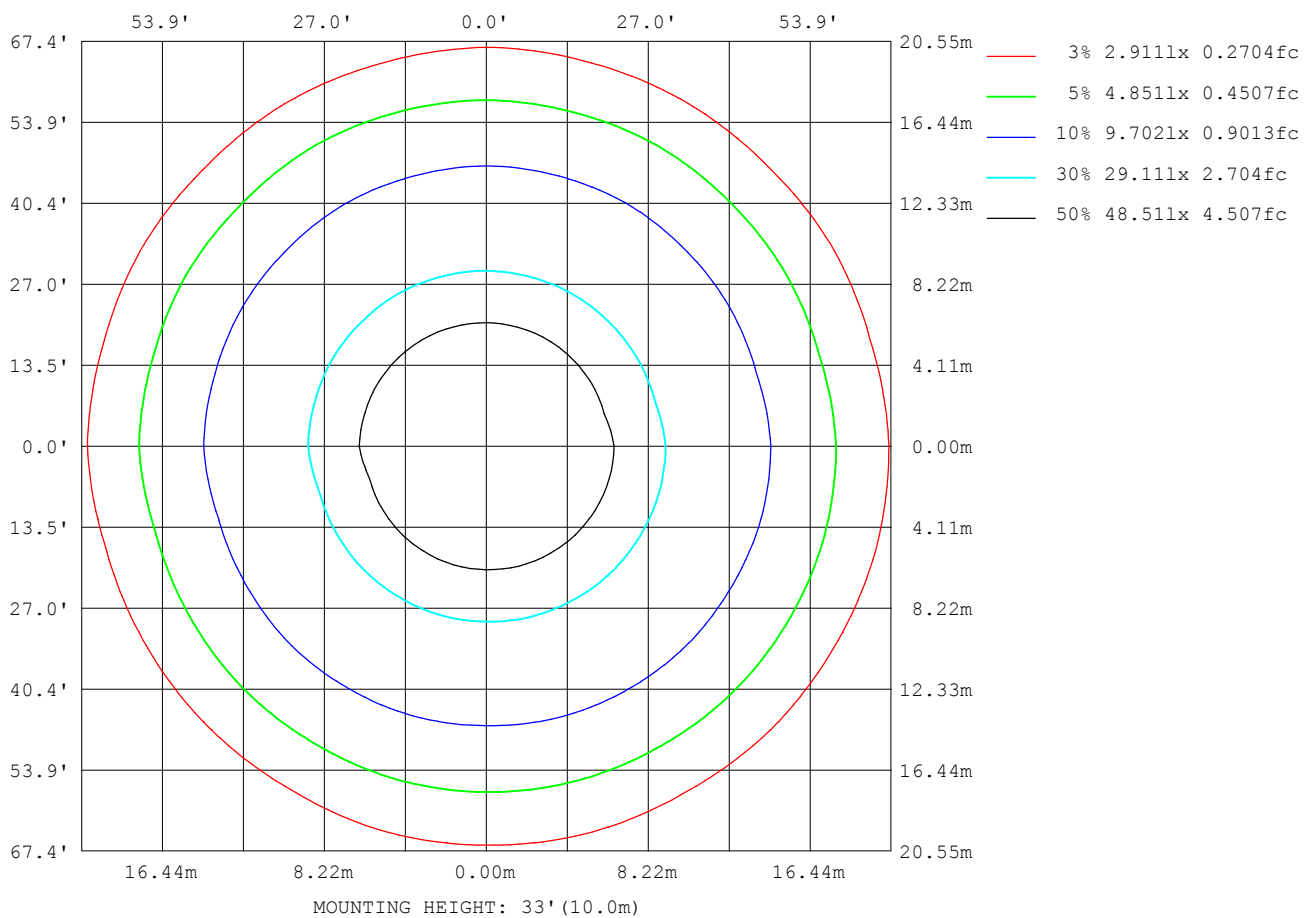
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

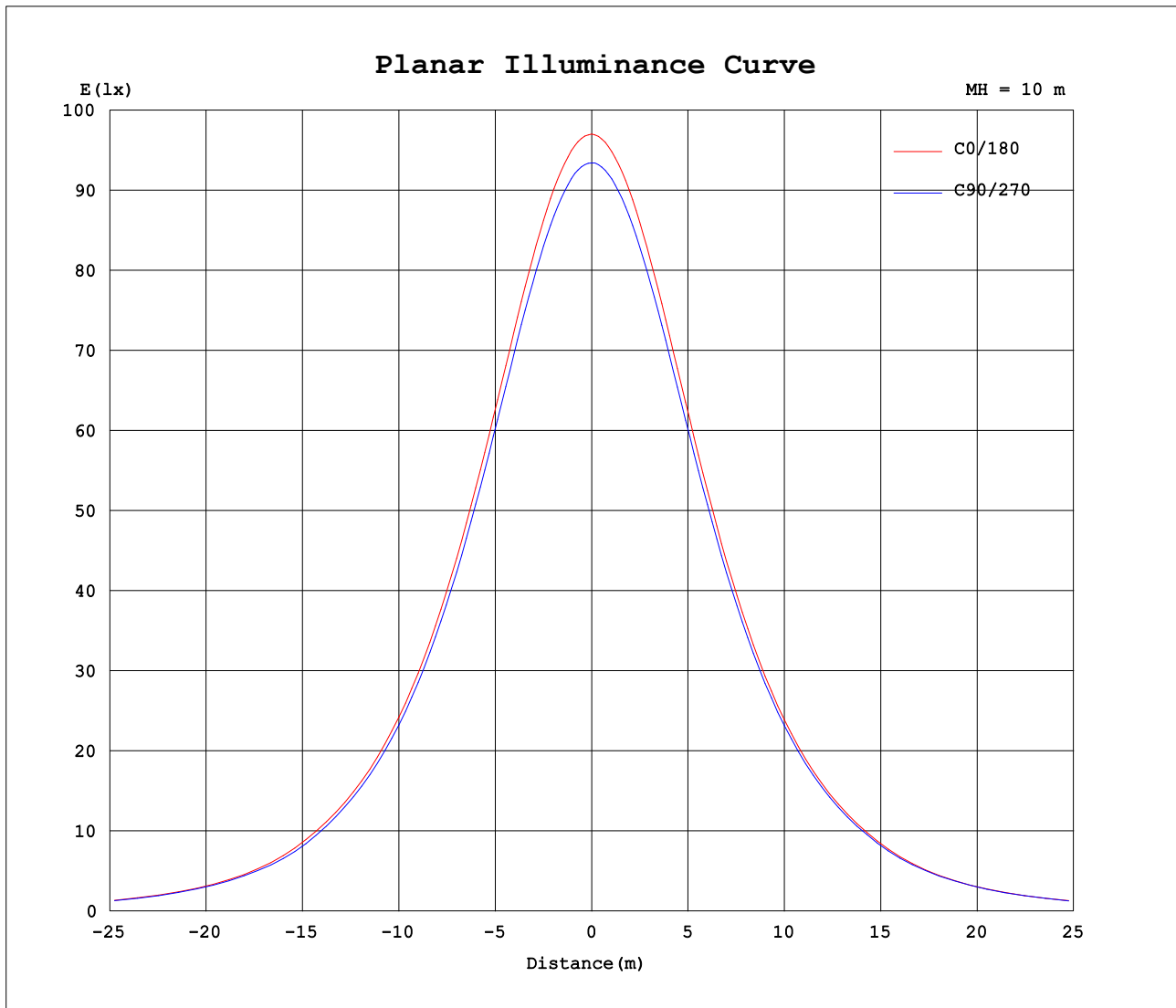
AvgL	cd/m2
L_0~180 (65) av	291315
L_0~180 (75) av	180752
L_0~180 (85) av	35411
L_90~270 (65) av	285675
L_90~270 (75) av	174062
L_90~270 (85) av	35554
L_45 (65) av	282503
L_45 (75) av	173774
L_45 (85) av	35762

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:17 June 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 17 June 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

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	9702	9618	9554	9490	9437	9389	9343	9305	9273	9250	9222	9203	9702	9618	9554	9490	9437	9389	9343
5	9665	9593	9530	9462	9409	9354	9314	9276	9238	9209	9185	9165	9657	9578	9515	9451	9397	9348	9305
10	9566	9499	9428	9368	9308	9259	9208	9175	9139	9111	9082	9062	9552	9467	9411	9339	9294	9240	9205
15	9408	9341	9267	9215	9150	9104	9051	9015	8977	8952	8917	8900	9377	9298	9236	9169	9127	9074	9044
20	9174	9113	9038	8987	8926	8879	8825	8790	8749	8721	8687	8666	9137	9049	8998	8932	8893	8843	8815
25	8868	8812	8739	8685	8622	8580	8525	8491	8450	8422	8387	8363	8817	8737	8684	8627	8588	8539	8514
30	8483	8433	8363	8316	8252	8215	8152	8123	8077	8052	8007	7994	8425	8343	8296	8234	8208	8162	8141
35	8020	7978	7908	7868	7798	7766	7706	7680	7625	7607	7558	7542	7951	7868	7832	7768	7749	7702	7691
40	7475	7443	7379	7342	7274	7244	7185	7159	7104	7083	7034	7019	7401	7312	7288	7225	7221	7169	7164
45	6852	6829	6762	6738	6665	6643	6581	6559	6501	6487	6432	6416	6765	6674	6661	6603	6600	6555	6555
50	6140	6120	6053	6038	5963	5953	5891	5873	5815	5799	5741	5728	6039	5947	5933	5887	5891	5847	5860
55	5315	5301	5213	5205	5146	5116	5028	5039	5001	4997	4926	4930	5217	5111	5107	5061	5085	5042	5069
60	4237	4232	4188	4169	4110	4095	4062	4036	3962	3963	3912	3897	4135	4030	4051	4001	4070	4044	4059
65	3209	3236	3181	3186	3109	3148	3094	3099	2991	2997	2963	2948	3094	3013	3044	3002	3043	3025	3087
70	2245	2252	2164	2173	2162	2168	2081	2099	2060	2044	1954	1956	2111	2005	2032	1993	2063	2033	2087
75	1264	1273	1217	1239	1205	1206	1160	1175	1131	1128	1066	1061	1131	1095	1101	1086	1117	1106	1146
80	494	517	482	492	465	468	437	441	413	411	376	376	419	402	408	394	418	408	424
85	93.8	99.8	101	96.7	98.0	82.5	86.0	72.9	64.9	66.3	57.4	56.0	64.3	65.3	71.3	67.1	72.5	67.0	72.6
90	7.34	7.09	7.19	7.03	7.20	7.10	7.24	7.15	7.27	7.24	7.41	7.41	6.94	6.95	6.80	6.81	6.64	6.66	6.47
95	11.1	10.9	10.9	10.8	11.0	10.9	11.1	10.9	11.1	11.1	11.3	11.3	11.2	11.1	10.9	10.9	10.7	10.7	10.4
100	16.2	15.8	15.8	15.7	15.9	15.8	16.0	15.9	16.1	16.0	16.3	16.3	16.5	16.5	16.1	16.2	15.9	15.9	15.5
105	22.2	21.7	21.7	21.5	21.7	21.6	21.8	21.7	21.9	21.8	22.1	22.1	22.8	22.7	22.3	22.3	22.0	21.9	21.5
110	28.8	28.3	28.2	28.0	28.2	28.1	28.3	28.1	28.3	28.3	28.5	28.5	29.7	29.5	29.1	29.0	28.6	28.6	28.1
115	35.7	35.2	35.0	34.8	35.0	34.8	35.0	34.8	35.0	34.9	35.2	35.1	36.8	36.5	36.1	35.9	35.5	35.4	34.9
120	42.6	42.1	41.8	41.6	41.6	41.5	41.6	41.5	41.6	41.5	41.7	41.7	43.8	43.4	43.0	42.7	42.3	42.1	41.6
125	49.1	48.6	48.3	48.1	48.1	47.9	48.0	47.8	47.9	47.8	48.0	47.9	50.3	49.9	49.4	49.1	48.7	48.4	47.9
130	55.3	54.8	54.4	54.2	54.1	53.9	53.9	53.8	53.8	53.7	53.8	53.8	56.6	56.0	55.6	55.2	54.7	54.4	53.9
135	61.0	60.5	60.1	59.8	59.7	59.5	59.4	59.3	59.3	59.2	59.3	59.2	62.4	61.7	61.3	60.8	60.4	60.0	59.5
140	66.3	65.8	65.3	65.0	64.8	64.7	64.5	64.3	64.3	64.2	64.3	64.2	67.7	67.0	66.5	65.9	65.5	65.0	64.6
145	71.1	70.7	70.1	69.9	69.6	69.4	69.2	69.1	68.9	68.9	68.8	68.8	72.6	71.8	71.4	70.7	70.3	69.7	69.3
150	75.9	75.4	74.9	74.6	74.3	74.1	73.8	73.7	73.5	73.4	73.3	73.3	77.3	76.4	76.0	75.2	74.8	74.2	73.8
155	80.3	80.0	79.3	79.2	78.7	78.5	78.1	78.0	77.7	77.6	77.5	77.4	81.8	80.8	80.2	79.5	79.0	78.3	78.0
160	84.5	84.2	83.5	83.3	82.7	82.5	82.0	81.9	81.6	81.6	81.4	81.3	85.8	84.8	84.3	83.4	83.0	82.2	81.9
165	88.5	88.3	87.5	87.2	86.5	86.3	85.9	85.7	85.4	85.3	85.1	85.0	89.6	88.6	88.1	87.1	86.6	85.9	85.5
170	92.2	92.0	91.0	90.8	90.0	89.9	89.3	89.1	88.7	88.6	88.4	88.3	93.0	91.8	91.5	90.5	90.1	89.2	88.9
175	95.3	95.0	94.0	93.8	93.0	92.7	92.1	91.9	91.4	91.4	91.0	90.9	95.8	94.6	94.3	93.2	92.9	92.1	91.7
180	96.9	96.8	95.6	95.5	94.5	94.3	93.5	93.3	92.6	92.5	92.0	92.0	97.6	96.2	96.1	95.0	94.9	94.0	93.8

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:17 June 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.58V I:0.7112A P:196.70W PF:0.9992 Freq:49.97Hz Lamp Flux:26559.8x1 lm		
NAME: ASD-UHB2-200D40W-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	9305	9273	9250	9222	9203														
5	9269	9242	9214	9197	9173														
10	9167	9140	9116	9098	9080														
15	9005	8985	8957	8946	8933														
20	8778	8760	8740	8725	8710														
25	8480	8468	8442	8440	8417														
30	8105	8100	8074	8071	8059														
35	7653	7652	7627	7634	7619														
40	7129	7131	7106	7123	7107														
45	6521	6531	6509	6533	6516														
50	5827	5850	5826	5857	5844														
55	5040	5076	5039	5074	5059														
60	4025	4058	4024	4050	4039														
65	3048	3059	3041	3116	3097														
70	2071	2117	2084	2135	2133														
75	1120	1159	1153	1212	1203														
80	414	443	439	466	476														
85	69.0	76.5	89.2	86.9	91.4														
90	6.48	6.26	6.25	6.03	6.10														
95	10.4	10.2	10.1	9.83	9.81														
100	15.5	15.2	15.1	14.8	14.7														
105	21.5	21.1	21.0	20.6	20.6														
110	28.1	27.6	27.5	27.1	27.0														
115	34.8	34.4	34.2	33.7	33.7														
120	41.5	41.0	40.8	40.4	40.2														
125	47.7	47.2	47.1	46.6	46.5														
130	53.7	53.3	53.0	52.6	52.5														
135	59.2	58.8	58.6	58.2	58.0														
140	64.3	63.9	63.6	63.3	63.0														
145	69.0	68.6	68.3	68.0	67.7														
150	73.4	73.0	72.7	72.4	72.2														
155	77.5	77.2	76.9	76.5	76.3														
160	81.4	81.1	80.7	80.4	80.1														
165	85.0	84.7	84.3	84.0	83.7														
170	88.2	88.0	87.5	87.3	87.1														
175	91.1	90.8	90.3	90.2	89.8														
180	93.0	92.9	92.3	92.2	91.8														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:17 June 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks: