

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

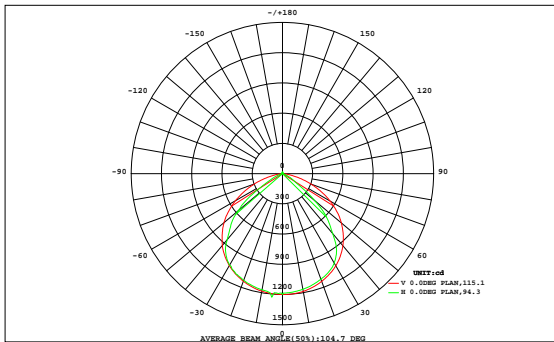
Maximum Intensity (Luminaire orientation as tested.)		417.3 cd per klm. 5.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	122.7V x 155.2H 94.3V x 115.1H 44.0V x 54.9H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.1 lumens per klm. 958.9 lumens per klm. 778.7 lumens per klm. 177.8 lumens per klm.
	Upward LOR Downward LOR	1.8 % 98.2 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:26 December 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:7.705m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.30V I:0.1360A P:31.100W PF:0.9900 Freq:50.00Hz		
Lamp Flux:2948.56x1 lm		
NAME: 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.: 0.22*0.02	Shielding Angle:



DATA OF LAMP		Eff:94.81lm/W	
MODEL		Imax(cd)	1230
NOMINAL POWER(W)	30	AVAILABILITY(%)	95.9
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	2829
NOMINAL FLUX(lm)	2948.56	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2949
TEST VOLTAGE(V)	230	θ @50%(H,V)	115,94DEG

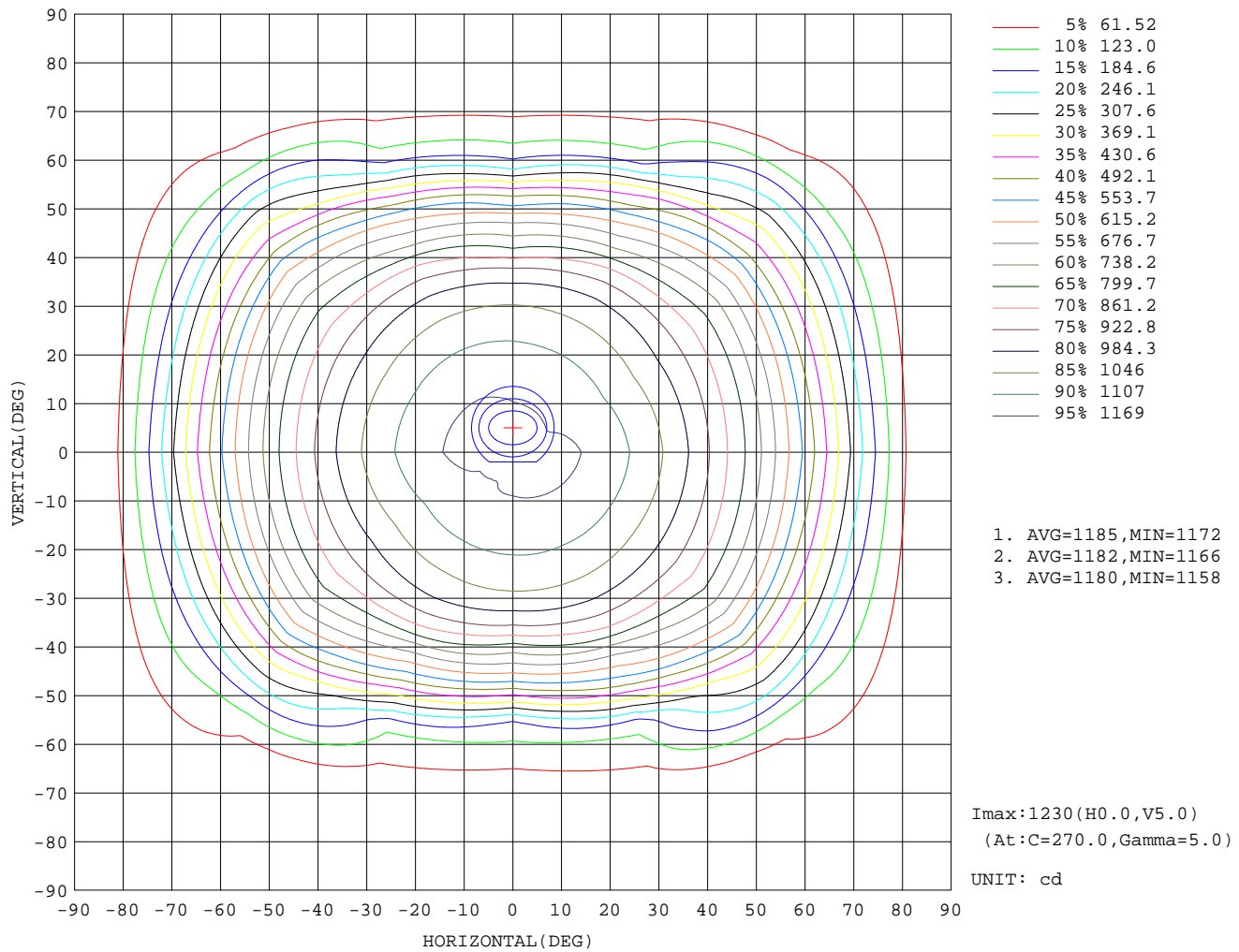
VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a		
	0.01	0.04	0.07	0.10	0.12	0.15	0.17	0.18	0.19	0.18	0.17	0.16	0.13	0.11	0.09	0.06	0.03			0.01	
90	0.01	0.04	0.07	0.10	0.12	0.15	0.17	0.18	0.19	0.18	0.17	0.16	0.13	0.11	0.09	0.06	0.03	0.01	1.96	0.00	
80	0.01	0.08	0.16	0.23	0.40	0.48	0.52	0.61	0.61	0.60	0.60	0.50	0.45	0.37	0.21	0.13	0.06	0.01	6.03	0.00	
70	0.02	0.16	0.48	0.98	1.94	2.66	2.82	3.37	3.46	3.45	3.34	2.78	2.63	1.95	0.94	0.44	0.14	0.02	31.6	14.2	
60	0.03	0.33	1.15	3.03	5.61	7.55	9.53	11.5	12.0	12.0	11.5	9.63	7.44	5.44	3.04	1.11	0.30	0.03	101	98.0	
50	0.04	0.55	2.20	5.85	10.1	14.4	18.1	20.9	22.1	22.0	20.6	17.7	14.1	9.79	5.67	2.17	0.52	0.04	187	185	
40	0.06	0.82	3.37	8.11	14.1	19.2	24.0	27.7	29.4	29.3	27.5	23.6	18.9	13.7	7.85	3.31	0.78	0.05	252	251	
30	0.08	1.08	4.35	9.84	16.3	22.3	27.4	31.1	32.9	32.8	30.9	27.1	22.0	16.0	9.60	4.25	1.04	0.07	289	288	
	0.09	1.31	5.03	10.9	17.6	23.9	29.2	33.0	34.8	34.7	32.6	28.9	23.7	17.4	10.8	4.93	1.27	0.08	310	310	
	0.10	1.47	5.44	11.5	18.2	24.8	30.1	34.0	35.9	35.6	33.7	30.0	24.6	18.1	11.3	5.34	1.43	0.09	322	321	
	0.10	1.46	5.36	11.4	18.2	24.6	29.9	33.7	35.5	35.8	33.9	30.0	24.6	18.1	11.3	5.29	1.41	0.09	321	320	
	0.09	1.27	4.79	10.6	17.3	23.5	28.6	32.4	34.4	34.6	32.7	29.0	23.7	17.3	10.6	4.79	1.23	0.08	307	306	
-30	0.07	1.03	3.95	9.21	15.7	21.6	26.6	30.4	32.4	32.5	30.7	26.9	21.9	15.8	9.28	4.00	1.00	0.07	283	282	
-40	0.06	0.77	2.88	7.14	12.9	17.8	22.3	26.2	27.9	28.0	26.3	22.6	18.1	13.1	7.33	2.96	0.74	0.05	237	236	
-50	0.04	0.51	1.77	4.56	8.32	11.7	14.8	17.5	18.9	19.0	18.0	15.5	12.2	8.60	4.93	1.81	0.49	0.04	159	157	
-60	0.03	0.30	0.91	1.94	4.00	5.18	5.67	7.02	7.29	7.43	7.36	5.98	5.42	4.41	2.15	0.93	0.28	0.02	66.3	59.9	
-70	0.02	0.15	0.35	0.56	1.08	1.51	1.55	1.87	1.97	1.99	1.96	1.68	1.69	1.19	0.63	0.36	0.13	0.02	18.7	0.31	
-80	0.01	0.06	0.12	0.12	0.21	0.25	0.23	0.27	0.28	0.28	0.28	0.23	0.26	0.24	0.13	0.11	0.06	0.01	3.15	0.00	
-90	0.01	0.03	0.05	0.06	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.04	0.03	0.01	1.09	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90				
Φ t	0.87	11.4	42.4	96.1	162	222	272	312	330	330	312	272	222	162	95.9	42.0	11.0	0.77	2896	---	
Φ a	0.00	6.95	38.6	92.7	159	218	267	307	325	325	307	268	218	159	92.7	38.2	6.52	0.00	---	2829	

one-half-peak spread: U:45.5,D:44.2 , L:57.9,R:57.7 NEMA Beam Type: Type 7 x 6 (H x V)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:26 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:7.705m [K=1.0000]
 Remarks:

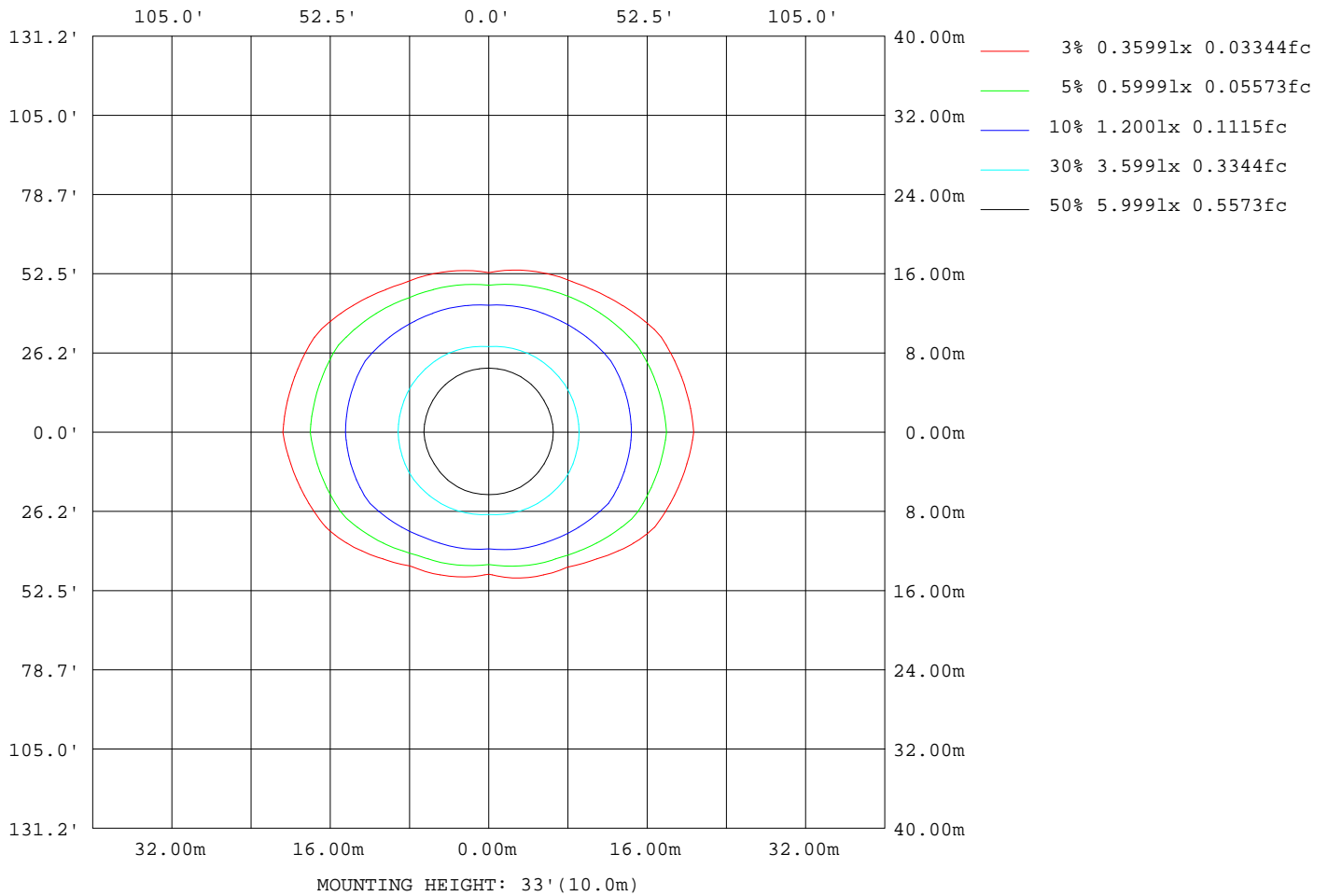
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 26 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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 Test Distance: 7.705m [K=1.0000]
 Remarks:

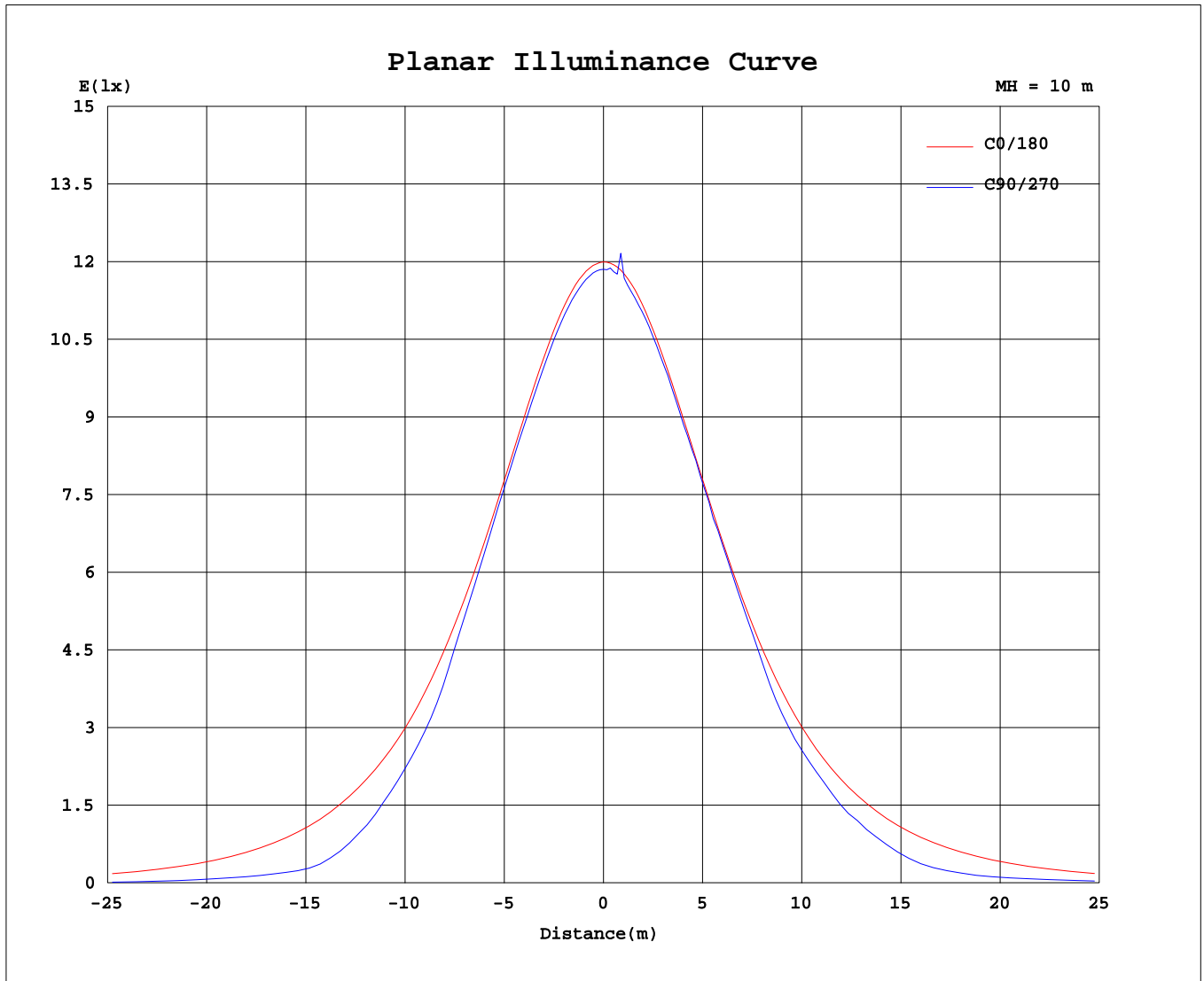
ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 26 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 7.705m [K=1.0000]
 Remarks:

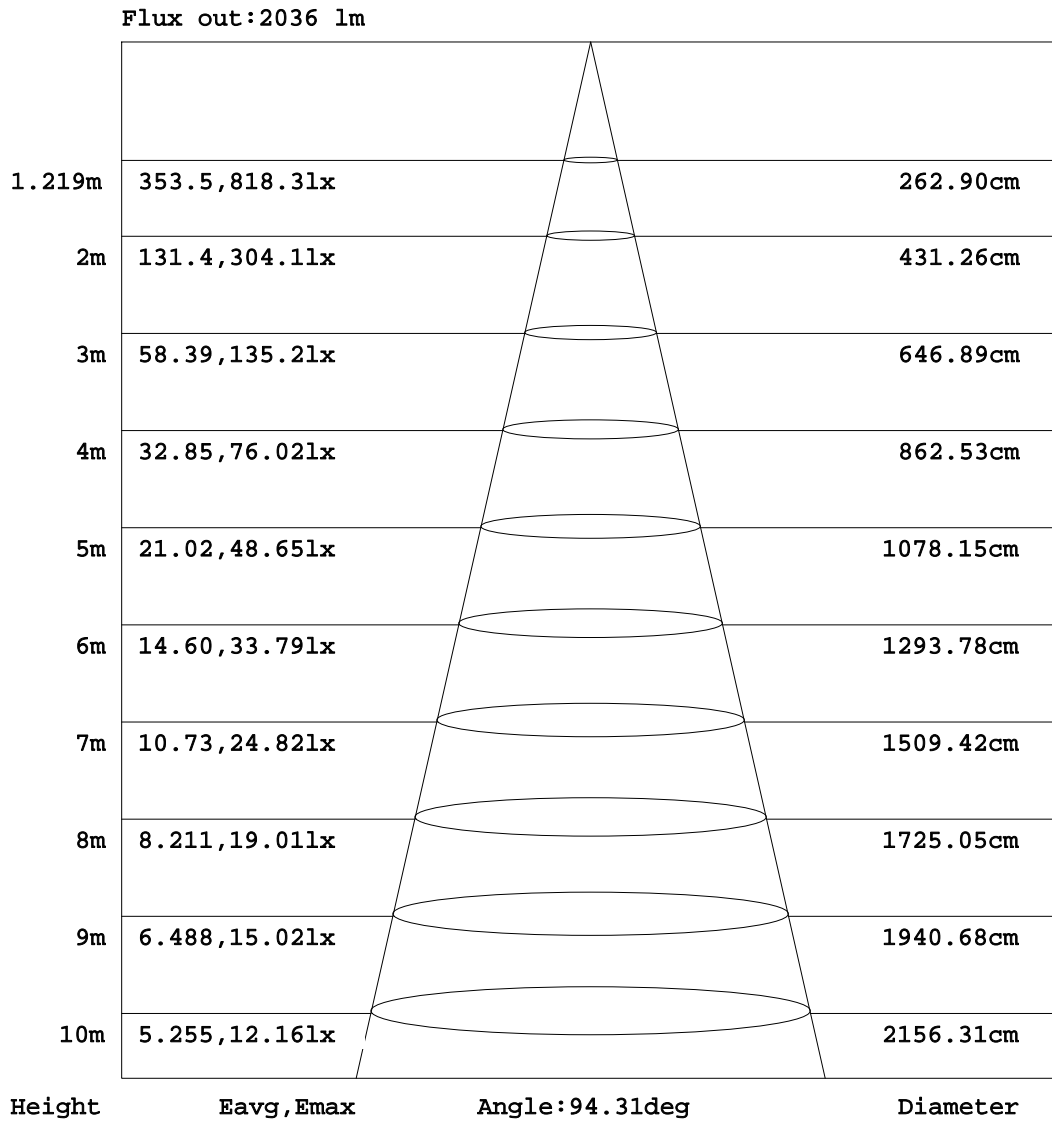
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 26 December 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 7.705m [K=1.0000]
Remarks:

AAI Figure



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: 25.3°C
 Operators:
 Test Date: 26 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 7.705m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	2.80	3.07	4.07	5.22	6.48	7.81	9.19	10.5	11.8	13.1	14.0	14.9	15.8	16.4	17.0	17.6	18.1	18.4	18.5
-170	2.80	3.04	3.99	5.09	6.30	7.56	8.85	10.1	11.3	12.4	13.3	14.2	15.0	15.7	16.2	16.7	17.1	17.4	17.7
-160	2.80	2.99	3.85	4.85	5.95	7.11	8.27	9.38	10.4	11.4	12.3	13.1	13.8	14.5	15.1	15.6	16.0	16.3	16.5
-150	2.80	2.93	3.66	4.53	5.48	6.48	7.47	8.44	9.33	10.1	10.9	11.6	12.3	12.9	13.4	13.8	14.2	14.5	14.6
-140	2.80	2.85	3.43	4.14	4.91	5.72	6.53	7.32	8.05	8.73	9.39	10.0	10.5	11.0	11.3	11.7	12.0	12.2	12.2
-130	2.80	2.78	3.17	3.69	4.27	4.87	5.48	6.07	6.63	7.17	7.66	8.11	8.52	8.85	9.20	9.44	9.63	9.73	9.74
-120	2.80	2.71	2.91	3.24	3.60	4.00	4.38	4.77	5.12	5.46	5.76	6.03	6.27	6.48	6.68	6.83	6.92	6.94	6.90
-110	2.80	2.64	2.71	2.84	3.00	3.16	3.33	3.51	3.65	3.79	3.91	4.02	4.10	4.18	4.28	4.33	4.34	4.32	4.26
-100	2.80	2.63	2.57	2.55	2.55	2.56	2.56	2.51	2.47	2.44	2.41	2.38	2.34	2.35	2.36	2.36	2.34	2.31	2.27
-90	2.80	2.75	2.70	2.65	2.60	2.56	2.51	2.37	2.23	2.09	1.96	1.82	1.68	1.64	1.60	1.56	1.52	1.47	1.43
-80	2.80	3.26	4.00	4.82	5.63	5.82	4.68	4.56	4.67	4.86	5.08	5.31	5.47	5.62	5.73	5.83	5.91	5.97	5.98
-70	2.80	4.23	7.42	12.2	15.8	15.8	11.2	12.2	17.8	21.4	21.9	19.9	15.3	15.1	17.8	19.2	19.2	17.8	15.6
-60	2.80	5.62	14.3	26.2	36.2	45.2	51.2	54.2	74.0	102	120	126	114	101	110	114	118	118	115
-50	2.80	7.58	24.2	46.9	73.4	98.7	124	176	239	281	299	320	344	362	395	424	439	437	422
-40	2.80	10.3	36.3	74.8	121	171	247	337	424	506	563	610	649	681	715	759	785	787	775
-30	2.80	13.2	49.3	106	173	259	363	468	584	680	755	803	858	911	955	988	1008	1022	1026
-20	2.80	15.8	61.9	136	225	336	451	571	682	773	851	914	964	1009	1047	1075	1094	1110	1115
-10	2.80	17.5	72.2	161	269	391	513	632	739	829	907	971	1024	1067	1100	1126	1146	1158	1165
0	2.80	18.4	78.6	178	299	425	548	660	763	853	933	1000	1057	1101	1137	1166	1186	1197	1200
10	2.80	17.6	72.8	163	278	404	527	644	748	838	916	982	1037	1082	1117	1145	1165	1173	1169
20	2.80	15.9	62.8	140	240	363	479	600	704	791	869	933	988	1033	1069	1097	1115	1124	1126
30	2.80	13.4	50.3	111	189	296	408	514	626	715	786	842	899	948	989	1017	1035	1046	1049
40	2.80	10.6	37.1	80.2	133	208	308	401	491	581	637	690	730	767	812	846	859	862	853
50	2.80	7.94	25.0	50.4	83.3	119	176	256	324	358	397	447	485	518	558	580	586	586	575
60	2.80	6.01	15.1	27.7	42.2	58.6	72.5	95.2	133	168	184	184	177	178	197	208	212	205	189
70	2.80	4.58	8.31	13.5	17.6	19.6	20.8	26.9	33.0	37.1	41.1	43.6	43.7	46.5	50.1	52.1	52.6	51.4	48.6
80	2.80	3.51	4.74	6.16	7.51	8.13	7.38	7.52	7.95	8.43	8.98	9.31	9.30	9.38	9.47	9.54	9.59	9.61	9.62
90	2.80	2.89	2.97	3.06	3.15	3.23	3.32	3.02	2.73	2.43	2.14	1.84	1.54	1.52	1.49	1.46	1.43	1.40	1.37
100	2.80	2.71	2.64	2.59	2.56	2.55	2.53	2.41	2.31	2.22	2.13	2.01	1.89	1.87	1.85	1.82	1.78	1.72	1.65
110	2.80	2.68	2.72	2.82	2.96	3.13	3.31	3.43	3.51	3.56	3.60	3.60	3.58	3.62	3.66	3.67	3.65	3.59	3.50
120	2.80	2.72	2.91	3.22	3.59	3.97	4.36	4.71	4.99	5.25	5.47	5.66	5.80	5.95	6.12	6.23	6.28	6.25	6.15
130	2.80	2.78	3.16	3.68	4.25	4.85	5.46	6.09	6.61	7.08	7.50	7.88	8.21	8.47	8.74	8.95	9.09	9.15	9.11
140	2.80	2.85	3.42	4.13	4.90	5.71	6.55	7.35	8.11	8.76	9.34	9.86	10.3	10.8	11.1	11.4	11.7	11.8	11.8
150	2.80	2.93	3.66	4.53	5.47	6.48	7.49	8.49	9.38	10.2	10.9	11.6	12.2	12.7	13.2	13.5	13.9	14.1	14.1
160	2.80	2.99	3.85	4.85	5.95	7.11	8.29	9.42	10.5	11.4	12.3	13.1	13.9	14.5	15.0	15.4	15.8	16.0	16.0
170	2.80	3.04	3.99	5.09	6.29	7.56	8.86	10.1	11.3	12.4	13.3	14.3	15.1	15.7	16.3	16.9	17.3	17.6	17.7
180	2.80	3.07	4.07	5.22	6.48	7.81	9.19	10.5	11.8	13.1	14.0	14.9	15.8	16.4	17.0	17.6	18.1	18.4	18.4

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:26 December 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:7.705m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	18.2	17.8	17.4	16.7	16.1	15.3	14.4	13.5	12.4	11.2	9.97	8.67	7.37	6.09	4.87	3.76	2.83	2.55	
-170	17.7	17.4	17.0	16.4	15.7	14.9	14.1	13.1	12.1	11.0	9.73	8.46	7.20	5.96	4.78	3.71	2.81	2.55	
-160	16.4	16.2	15.8	15.4	14.8	14.1	13.3	12.4	11.4	10.3	9.18	8.01	6.83	5.68	4.59	3.60	2.77	2.55	
-150	14.6	14.4	14.1	13.7	13.2	12.6	12.0	11.2	10.4	9.39	8.36	7.32	6.29	5.27	4.31	3.43	2.70	2.55	
-140	12.2	12.1	11.9	11.6	11.3	10.8	10.3	9.65	8.95	8.17	7.31	6.46	5.60	4.75	3.95	3.23	2.62	2.55	
-130	9.77	9.70	9.54	9.29	8.98	8.65	8.24	7.78	7.26	6.72	6.13	5.47	4.81	4.16	3.55	3.00	2.53	2.55	
-120	6.96	6.94	6.87	6.72	6.52	6.31	6.08	5.82	5.52	5.20	4.85	4.43	3.97	3.54	3.12	2.77	2.43	2.55	
-110	4.32	4.35	4.34	4.29	4.21	4.13	4.07	3.97	3.86	3.73	3.59	3.41	3.17	2.95	2.75	2.54	2.36	2.55	
-100	2.31	2.35	2.37	2.37	2.37	2.37	2.43	2.47	2.50	2.54	2.59	2.63	2.57	2.50	2.42	2.36	2.37	2.55	
-90	1.44	1.45	1.47	1.48	1.49	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.42	2.45	2.47	2.50	2.52	2.55	
-80	5.93	5.83	5.72	5.58	5.44	5.27	5.16	4.90	4.60	4.40	4.31	4.45	5.35	5.11	4.39	3.73	3.08	2.55	
-70	18.7	20.8	21.3	20.2	17.3	16.9	21.4	23.8	24.1	21.3	15.5	12.4	14.9	14.0	10.6	6.49	3.92	2.55	
-60	119	119	117	114	106	121	139	137	116	81.0	58.6	54.6	46.9	34.8	23.4	12.3	5.02	2.55	
-50	445	454	448	425	391	364	330	308	297	267	199	129	99.5	73.0	44.0	21.2	6.58	2.55	
-40	790	789	770	729	696	669	630	577	518	435	354	265	172	120	72.0	32.5	8.82	2.55	
-30	1024	1013	994	961	920	869	814	765	687	590	473	373	265	170	103	45.1	11.3	2.55	
-20	1113	1103	1086	1060	1022	975	923	857	777	684	573	453	340	222	132	57.2	13.4	2.55	
-10	1166	1157	1139	1112	1077	1031	975	909	827	737	629	510	389	265	156	66.9	14.9	2.55	
0	1195	1184	1164	1136	1100	1055	998	929	846	758	653	541	418	292	172	72.9	15.7	2.55	
10	1164	1151	1131	1105	1071	1029	975	909	828	741	635	517	396	273	158	67.3	15.0	2.55	
20	1120	1107	1087	1058	1021	975	923	858	782	694	586	469	353	237	134	57.8	13.5	2.55	
30	1043	1030	1010	981	939	888	828	774	702	611	498	398	289	186	106	45.7	11.4	2.55	
40	860	853	835	795	753	717	677	623	561	472	390	298	208	128	75.4	33.0	9.02	2.55	
50	583	581	572	547	510	484	446	388	346	311	250	180	115	79.2	46.3	21.7	6.82	2.55	
60	206	214	210	196	171	173	178	178	167	138	94.3	68.8	55.5	38.8	24.4	12.8	5.28	2.55	
70	51.5	52.7	52.2	50.2	46.3	43.6	42.5	38.8	34.7	31.1	25.1	18.8	17.3	15.3	11.5	7.09	4.16	2.55	
80	9.46	9.28	9.08	8.87	8.65	8.45	8.37	7.97	7.44	6.93	6.46	6.28	6.92	6.36	5.28	4.23	3.26	2.55	
90	1.40	1.43	1.46	1.49	1.52	1.54	1.78	2.02	2.26	2.50	2.74	2.98	2.91	2.84	2.77	2.69	2.62	2.55	
100	1.71	1.76	1.79	1.82	1.83	1.84	1.97	2.08	2.19	2.30	2.42	2.55	2.52	2.46	2.41	2.38	2.41	2.55	
110	3.58	3.63	3.63	3.61	3.54	3.50	3.52	3.50	3.47	3.42	3.34	3.22	3.03	2.86	2.70	2.52	2.37	2.55	
120	6.23	6.23	6.17	6.04	5.85	5.71	5.56	5.37	5.15	4.89	4.61	4.23	3.81	3.42	3.06	2.74	2.43	2.55	
130	9.14	9.07	8.91	8.67	8.38	8.12	7.78	7.39	6.96	6.48	5.93	5.29	4.66	4.04	3.47	2.97	2.53	2.55	
140	11.9	11.7	11.5	11.1	10.8	10.4	9.88	9.33	8.70	7.97	7.16	6.32	5.47	4.65	3.88	3.20	2.62	2.55	
150	14.1	14.0	13.6	13.3	12.9	12.3	11.7	11.0	10.2	9.23	8.23	7.22	6.20	5.20	4.25	3.40	2.70	2.55	
160	16.0	15.8	15.4	15.0	14.5	13.8	13.1	12.2	11.3	10.2	9.09	7.93	6.77	5.63	4.55	3.58	2.76	2.55	
170	17.6	17.2	16.7	16.1	15.5	14.8	14.0	13.0	12.0	10.9	9.68	8.42	7.17	5.94	4.76	3.70	2.81	2.55	
180	18.2	17.8	17.4	16.7	16.1	15.3	14.4	13.5	12.4	11.2	9.97	8.67	7.37	6.09	4.87	3.76	2.83	2.55	

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:26 December 2023

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:7.705m [K=1.0000]

Remarks:

50% Beam Angle : 115°-H X 94°-V

one-half-peak spread: U:45.5,D:44.2 , L:57.9,R:57.7

TOTAL FLUX : 2949 lm

LOR : 100.0%

AVAILABILITY FLUX : 2829 lm

AVAILABILITY : 95.9%

