

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	956.7 cd per klm.
(Luminaire orientation as tested.)	-18.5 degrees vertical
	10.5 degrees horizontal

Beam Spread	At 10% of I _{max}	103.7V x 104.2H
	At 50% of I _{max}	57.0V x 69.4H
	At 90% of I _{max}	18.6V x 25.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	887.1 lumens per klm.
	To 50% of I _{max}	447.5 lumens per klm.
	To 90% of I _{max}	51.8 lumens per klm.

Upward LOR	1.2 %
Downward LOR	98.8 %

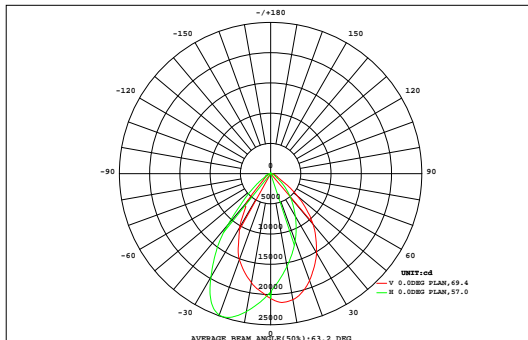
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2022-01-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:10.240m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:87.270V I:2.1000A P:183.27W PF:1.0000 Freq:0Hz Lamp Flux:29601x1 lm		
NAME: D200-D224N-R	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.9*0.12	Shielding Angle:



DATA OF LAMP		Eff:161.52lm/W	
MODEL	D200-D224N-R	Imax(cd)	28318
NOMINAL POWER(W)	200	AVAILABILITY(%)	88.7
RATED VOLTAGE(V)	88.6	Avai. FLUX(lm)	26252
NOMINAL FLUX(lm)	29601	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	29601
TEST VOLTAGE(V)	88.6	θ @50%(H,V)	69,57DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.14	0.45	0.88	1.32	1.60	1.72	1.80	1.90	1.92	2.90	4.71	6.01	6.65	6.62	5.98	4.19	2.04	0.52	51.4	0.00
90	0.16	0.74	1.61	2.48	3.63	5.11	6.83	8.71	10.0	11.8	13.7	14.6	14.5	13.0	10.4	6.18	2.67	0.61	127	0.00
80	0.20	1.01	2.20	4.87	8.62	12.6	16.3	19.6	21.5	23.9	26.0	25.4	23.8	20.2	15.3	8.56	3.33	0.69	234	0.00
70	0.25	1.18	3.51	8.60	15.2	22.1	29.1	37.1	44.1	52.8	59.3	55.1	45.9	32.7	20.7	10.7	4.01	0.76	443	18.4
60	0.28	1.42	5.04	12.6	22.8	35.4	58.3	88.6	109	123	129	120	99.7	63.4	29.6	12.6	4.59	0.82	915	665
50	0.31	1.72	6.40	15.9	30.8	66.5	126	176	199	210	211	197	165	108	41.6	14.5	5.09	0.87	1575	1437
40	0.32	1.98	7.46	18.5	42.0	119	201	269	302	315	307	278	225	141	53.1	16.3	5.42	0.89	2304	2196
30	0.33	2.15	8.07	20.2	57.8	161	269	363	408	431	421	360	273	164	61.7	17.1	5.54	0.91	3024	2928
20	0.34	2.21	8.17	20.6	66.7	191	330	453	524	557	537	438	311	179	64.0	16.5	5.48	0.90	3705	3615
10	0.34	2.17	7.92	19.8	60.5	187	334	489	605	696	656	512	338	183	61.7	15.7	5.39	0.89	4176	4084
0	0.33	2.03	7.36	18.0	41.9	145	278	471	662	790	750	548	331	170	54.3	15.0	5.29	0.88	4291	4190
-10	0.31	1.80	6.45	15.4	28.9	84.2	216	391	605	738	707	481	279	136	40.5	13.7	5.02	0.86	3750	3630
-20	0.29	1.52	5.27	12.4	22.9	47.1	128	251	408	495	470	333	193	87.2	27.2	12.2	4.61	0.82	2499	2354
-30	0.26	1.26	3.90	9.15	17.8	30.2	56.1	115	181	223	220	172	100	42.7	20.0	10.6	4.05	0.77	1207	1002
-40	0.23	1.08	2.55	6.10	12.4	21.0	30.4	43.8	61.1	76.1	80.1	66.3	40.7	25.2	16.2	8.79	3.41	0.71	496	132
-50	0.18	0.87	1.84	3.35	7.12	12.4	18.3	23.6	27.3	30.4	32.1	30.8	25.4	18.6	12.3	6.69	2.80	0.63	255	0.00
-60	0.15	0.57	1.18	1.99	3.12	4.90	7.61	10.9	13.7	16.0	17.7	18.0	15.7	11.8	8.08	4.72	2.21	0.55	139	0.00
-70	0.13	0.38	0.61	0.87	1.22	1.55	1.83	2.14	2.41	3.62	5.55	6.89	6.75	5.56	4.32	2.93	1.56	0.46	48.8	0.00
-80	0.13	0.38	0.61	0.87	1.22	1.55	1.83	2.14	2.41	3.62	5.55	6.89	6.75	5.56	4.32	2.93	1.56	0.46	48.8	0.00
-90	0.13	0.38	0.61	0.87	1.22	1.55	1.83	2.14	2.41	3.62	5.55	6.89	6.75	5.56	4.32	2.93	1.56	0.46	48.8	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	4.54	24.6	80.4	192	445	1148	2108	3214	4186	4796	4646	3662	2494	1408	547	197	72.5	13.5	29240	---
Φ a	0.00	0.00	0.00	0.00	126	899	1898	3018	4003	4615	4460	3477	2303	1205	247	0.00	0.00	0.00	---	26252

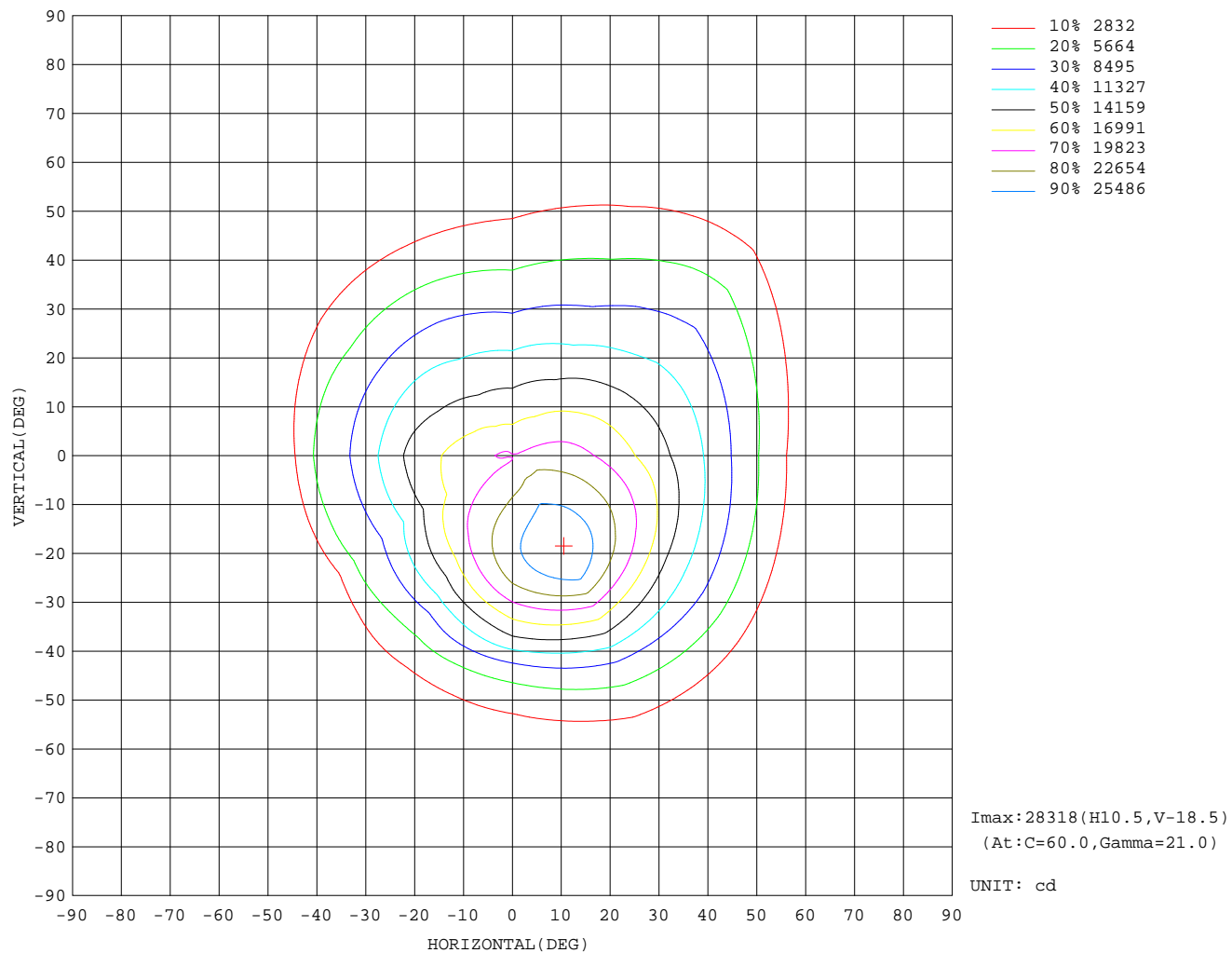
one-half-peak spread: U:19.8,D:18.7 , L:35.3,R:34.6

NEMA Beam Type: Type 6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:10.240m [K=1.0000]
 Remarks:

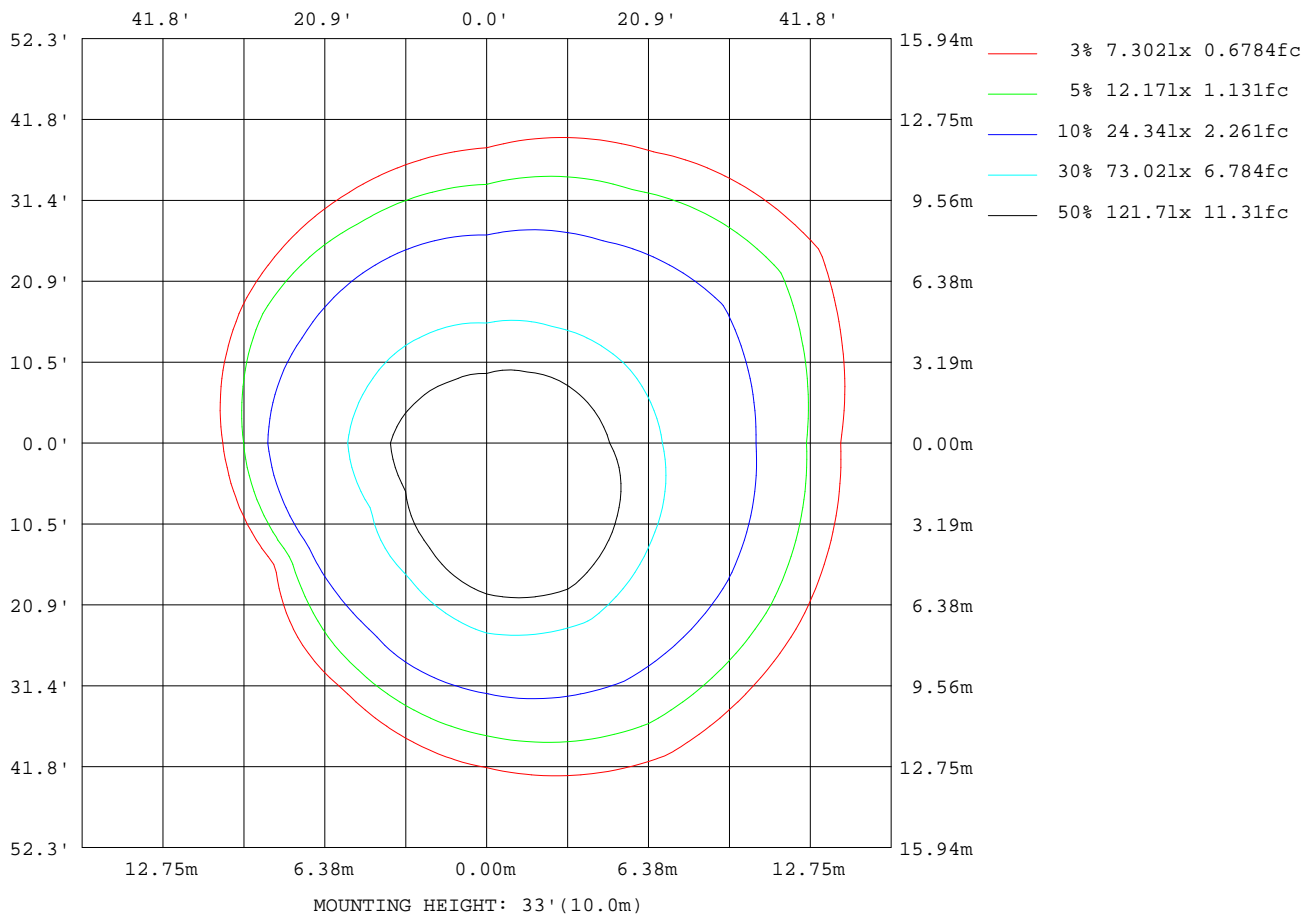
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2022-01-05

γ Range: 0 - 180DEG
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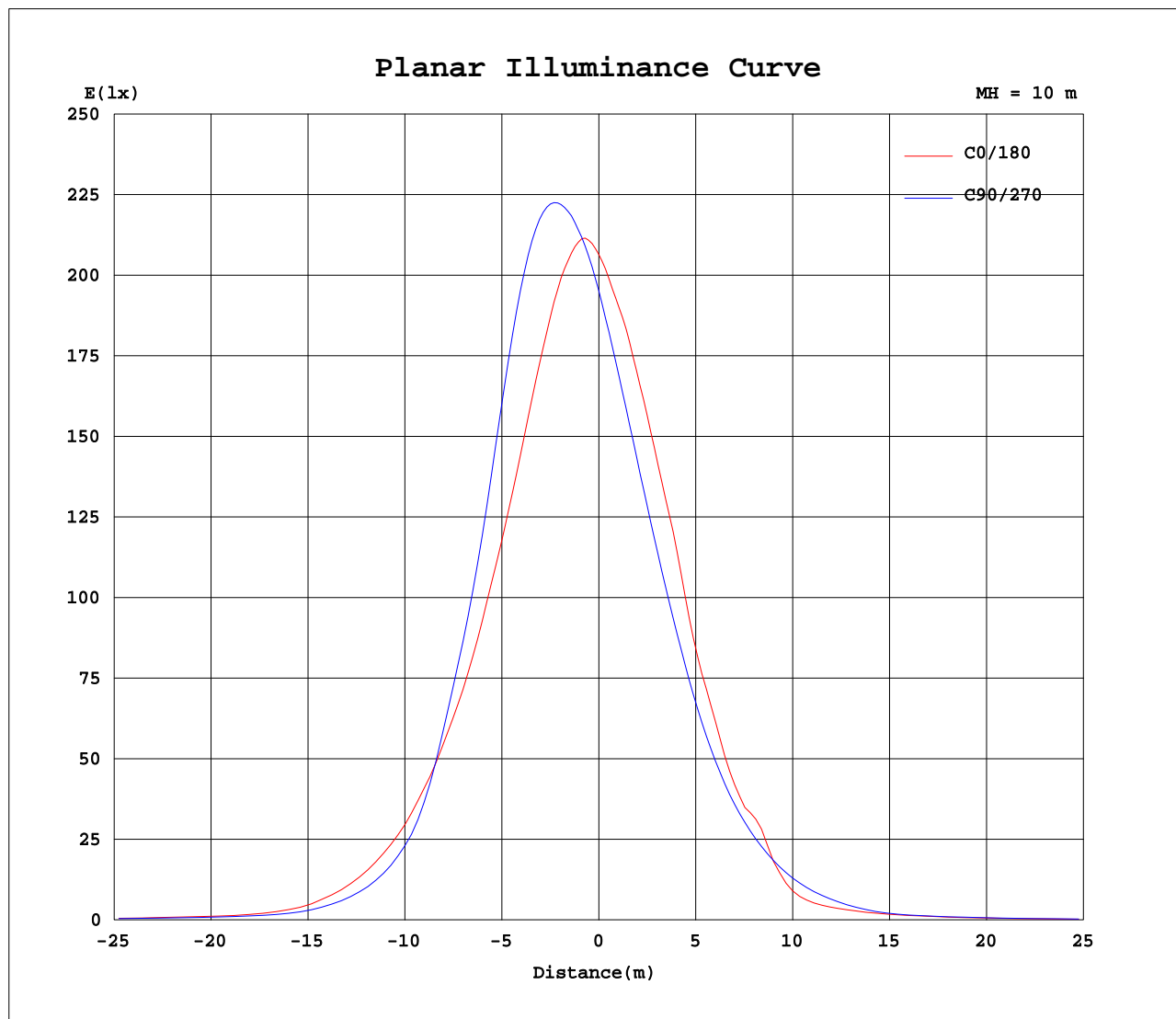
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 10.240m [K=1.0000]
Remarks:

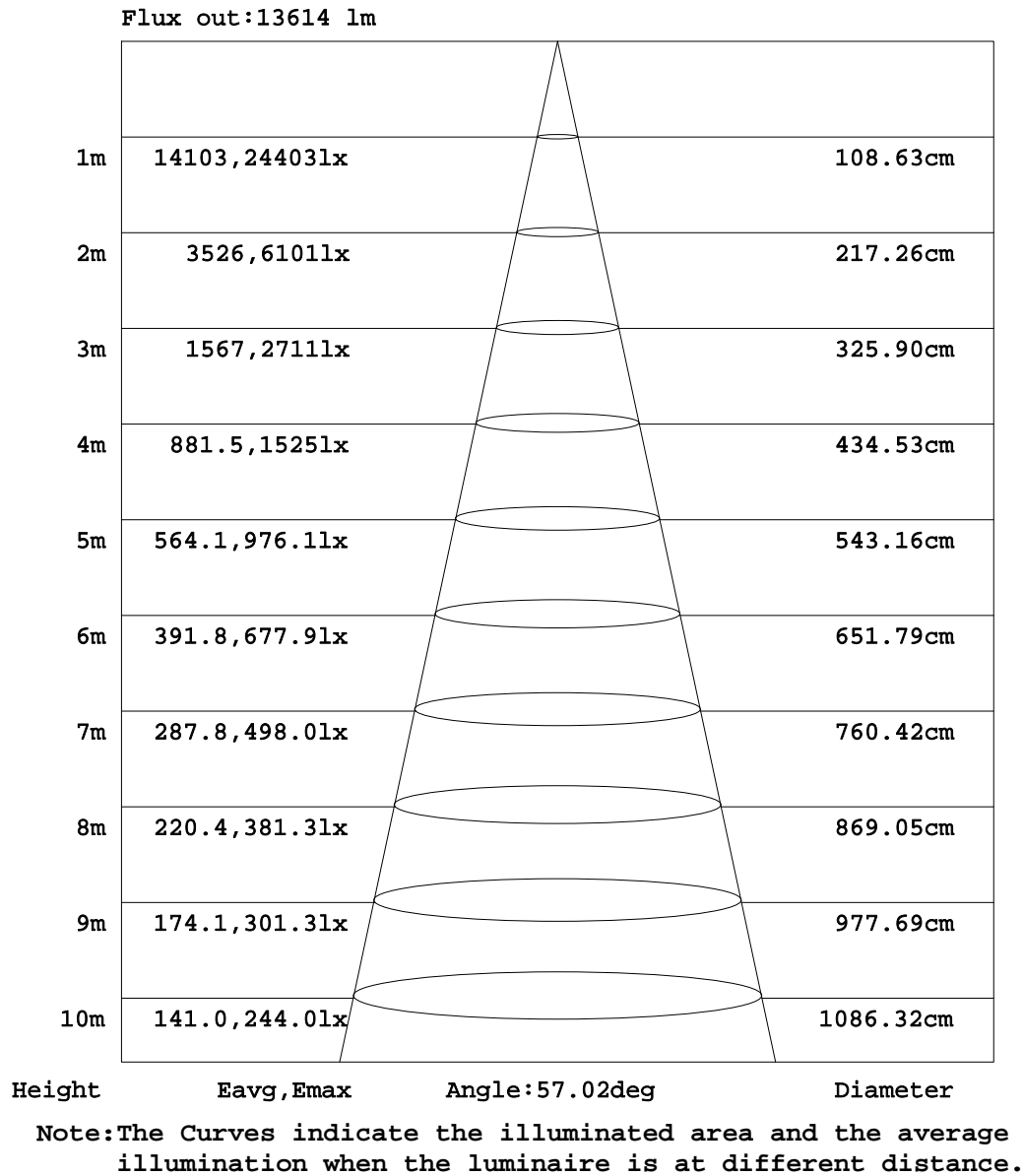
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 10.240m [K=1.0000]
Remarks:

AAI Figure



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:10.240m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: ×10cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	4.93	3.70	3.07	2.74	2.93	3.54	4.43	5.55	6.68	8.03	9.49	11.0	12.6	14.2	15.4	16.5	17.2	17.6	17.5
-170	4.93	3.77	3.03	2.70	2.89	3.45	4.27	5.25	6.28	7.41	8.61	9.85	11.1	12.1	12.8	13.2	13.4	13.4	13.2
-160	4.93	4.05	3.01	2.67	2.82	3.24	3.95	4.73	5.62	6.50	7.40	8.27	9.07	9.81	10.4	10.7	10.8	10.8	10.4
-150	4.93	4.50	3.01	2.70	2.71	2.97	3.51	4.12	4.78	5.46	6.09	6.62	7.13	7.57	7.87	8.06	8.15	8.06	7.77
-140	4.93	4.82	3.03	2.76	2.57	2.74	3.04	3.50	3.97	4.32	4.71	5.06	5.35	5.55	5.68	5.79	5.79	5.68	5.46
-130	4.93	4.57	3.09	2.79	2.57	2.52	2.66	2.89	3.13	3.32	3.49	3.62	3.76	3.85	3.91	3.93	3.88	3.77	3.60
-120	4.93	4.48	3.42	2.86	2.63	2.46	2.37	2.41	2.40	2.42	2.44	2.46	2.46	2.46	2.46	2.43	2.36	2.25	2.11
-110	4.93	4.52	4.25	3.19	2.77	2.51	2.34	2.19	2.05	1.92	1.81	1.71	1.59	1.50	1.44	1.37	1.30	1.21	1.11
-100	4.93	4.65	4.27	3.86	3.54	3.13	2.69	2.46	2.22	1.99	1.79	1.62	1.45	1.29	1.13	0.99	0.84	0.70	0.55
-90	4.93	4.77	4.61	4.44	4.28	4.12	3.96	3.89	3.83	3.76	3.70	3.63	3.57	3.05	2.53	2.01	1.49	0.97	0.45
-80	4.93	5.07	5.26	5.55	5.86	6.12	6.32	7.22	7.96	8.52	9.11	9.46	9.68	11.5	13.7	16.0	18.2	20.2	22.0
-70	4.93	5.51	7.12	9.25	10.4	12.4	13.7	14.8	17.0	21.0	26.5	32.5	39.3	47.1	53.7	59.9	65.6	70.6	74.9
-60	4.93	6.30	10.1	12.3	14.3	16.2	18.4	24.9	35.3	45.4	55.0	66.7	76.6	87.3	96.0	103	108	113	116
-50	4.93	7.41	11.9	14.6	17.4	23.7	33.2	43.5	54.9	69.2	86.1	102	115	132	166	221	282	341	389
-40	4.93	8.77	13.5	16.1	23.8	34.8	47.5	60.2	75.8	92.5	114	144	200	304	445	605	778	953	1099
-30	4.93	9.90	14.9	19.0	30.8	44.5	60.5	79.4	97.5	122	135	212	411	649	827	1086	1415	1719	1978
-20	4.93	10.8	15.3	21.1	35.9	53.0	71.7	94.8	121	147	223	491	631	898	1203	1513	1853	2196	2487
-10	4.93	11.4	15.2	24.8	39.7	58.4	80.8	106	141	200	467	663	888	1114	1351	1642	1906	2116	2314
0	4.93	11.7	15.2	26.5	41.5	60.2	84.5	112	153	256	627	765	1027	1257	1513	1681	1830	1951	2064
10	4.93	11.5	15.3	25.9	41.6	61.9	86.2	116	155	260	526	700	906	1095	1286	1393	1477	1530	1559
20	4.93	11.1	15.5	23.2	39.4	59.1	83.2	109	142	205	412	559	713	856	978	1081	1135	1179	1186
30	4.93	10.3	15.2	21.0	35.4	52.5	74.3	96.2	129	155	224	392	490	589	698	771	809	826	820
40	4.93	9.25	14.2	17.4	29.5	43.2	60.1	81.9	102	123	144	176	238	316	380	437	478	502	507
50	4.93	7.91	13.0	15.3	21.1	32.8	45.1	60.9	75.3	87.5	99.3	112	124	135	159	188	214	235	248
60	4.93	6.73	11.5	13.9	15.2	20.2	29.3	37.6	46.5	54.7	61.5	68.1	72.8	76.7	82.5	88.2	91.5	92.7	92.5
70	4.93	5.81	8.42	11.5	13.1	14.5	15.2	18.3	21.9	26.6	30.0	33.5	36.9	41.4	45.5	48.6	50.9	52.6	53.6
80	4.93	5.23	5.91	7.09	8.57	10.0	11.1	11.2	11.0	10.7	10.5	10.4	10.7	11.8	13.0	14.0	14.8	15.5	15.9
90	4.93	4.84	4.76	4.67	4.58	4.49	4.40	4.38	4.37	4.35	4.34	4.32	4.31	3.67	3.03	2.38	1.74	1.10	0.46
100	4.93	4.68	4.50	4.31	4.15	3.85	3.24	2.84	2.56	2.33	2.14	1.95	1.79	1.61	1.45	1.30	1.14	0.99	0.83
110	4.93	4.63	4.54	3.44	2.99	2.81	2.64	2.46	2.35	2.28	2.26	2.27	2.31	2.32	2.30	2.27	2.21	2.13	2.02
120	4.93	4.61	3.58	3.02	2.81	2.64	2.59	2.64	2.77	2.98	3.26	3.61	3.98	4.30	4.45	4.53	4.53	4.45	4.29
130	4.93	4.68	3.18	2.92	2.70	2.67	2.85	3.20	3.67	4.25	4.94	5.68	6.43	7.17	7.55	7.69	7.70	7.57	7.32
140	4.93	4.92	3.11	2.85	2.68	2.87	3.29	3.94	4.79	5.75	6.74	7.86	8.94	9.93	10.8	10.9	10.9	10.7	10.3
150	4.93	4.57	3.07	2.76	2.79	3.11	3.79	4.71	5.80	7.04	8.45	9.82	11.1	12.2	13.2	13.8	13.7	13.3	12.8
160	4.93	4.09	3.05	2.71	2.88	3.36	4.21	5.29	6.53	7.95	9.53	11.1	12.7	13.9	14.9	15.6	15.9	15.5	14.8
170	4.93	3.79	3.05	2.73	2.92	3.52	4.43	5.57	6.83	8.28	9.86	11.5	13.1	14.6	15.8	16.7	17.0	17.0	15.9
180	4.93	3.70	3.07	2.74	2.93	3.54	4.43	5.55	6.68	8.03	9.49	11.0	12.6	14.2	15.4	16.5	17.2	17.6	17.5

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 10.240m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: ×10cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	16.5	15.1	13.4	11.7	9.96	8.36	6.96	5.81	4.76	3.80	3.10	2.79	2.68	2.87	3.20	4.89	11.1	16.2	
-170	12.8	12.3	11.4	10.1	8.81	7.53	6.37	5.38	4.46	3.63	3.00	2.71	2.66	2.86	3.27	4.94	11.2	16.2	
-160	10.1	9.41	8.78	8.00	7.10	6.18	5.37	4.64	3.93	3.27	2.81	2.61	2.67	2.86	3.52	5.12	11.4	16.2	
-150	7.48	7.03	6.44	5.94	5.42	4.86	4.31	3.81	3.30	2.86	2.62	2.56	2.76	2.90	4.48	5.55	11.8	16.2	
-140	5.28	4.99	4.63	4.20	3.89	3.57	3.24	2.94	2.69	2.54	2.51	2.64	2.84	3.09	4.59	6.44	12.3	16.2	
-130	3.47	3.28	3.06	2.82	2.62	2.51	2.39	2.32	2.34	2.41	2.62	2.83	2.99	4.36	4.96	8.15	13.0	16.2	
-120	2.09	2.04	1.97	1.91	1.85	1.87	1.95	2.09	2.31	2.61	2.86	3.19	4.39	4.80	6.60	11.0	13.5	16.2	
-110	1.21	1.31	1.41	1.53	1.67	1.86	2.09	2.34	2.72	3.51	4.22	4.71	5.55	7.56	10.8	12.7	14.0	16.2	
-100	0.91	1.29	1.72	2.21	2.79	3.58	4.27	5.07	6.04	7.17	8.70	10.8	11.6	12.6	13.4	14.0	14.8	16.2	
-90	2.05	3.64	5.23	6.82	8.42	10.0	11.0	12.0	12.9	13.9	14.9	15.9	15.9	16.0	16.0	16.1	16.1	16.2	
-80	27.5	32.6	37.3	41.6	45.3	47.8	44.8	42.9	41.3	37.7	34.8	32.8	29.8	26.5	23.6	20.8	17.7	16.2	
-70	79.4	83.0	85.8	87.8	88.9	88.2	82.4	77.4	70.7	63.8	57.6	50.7	43.3	36.7	31.5	25.8	20.5	16.2	
-60	130	139	143	143	138	129	120	111	103	90.8	81.3	71.8	59.5	48.0	37.9	30.7	22.9	16.2	
-50	432	457	460	445	404	324	243	172	135	114	104	88.0	75.0	60.4	45.4	33.9	24.8	16.2	
-40	1163	1175	1142	1061	877	721	576	424	275	165	126	105	87.0	71.6	53.0	37.2	26.4	16.2	
-30	2099	2141	2091	1811	1495	1210	956	738	520	309	168	125	98.0	78.2	59.6	40.2	27.8	16.2	
-20	2649	2796	2630	2308	1933	1549	1228	968	717	468	249	138	109	83.9	63.6	42.6	29.0	16.2	
-10	2524	2538	2437	2246	1977	1674	1363	1089	828	565	316	160	121	87.1	67.0	44.1	29.7	16.2	
0	2138	2116	2025	1881	1704	1520	1301	1088	837	585	340	167	126	86.9	67.8	44.3	29.8	16.2	
10	1621	1660	1639	1566	1458	1321	1181	1006	801	582	347	186	131	89.9	68.8	45.1	30.0	16.2	
20	1238	1244	1237	1209	1154	1106	1012	872	715	519	312	181	125	89.8	66.7	44.5	29.6	16.2	
30	861	876	867	870	865	834	787	730	597	412	256	168	113	87.0	64.1	42.9	28.8	16.2	
40	544	566	575	571	575	563	539	479	397	291	195	135	101	81.2	60.0	40.7	27.6	16.2	
50	278	300	311	312	307	298	274	241	206	169	137	108	92.1	69.7	52.2	37.5	26.3	16.2	
60	106	116	122	123	121	122	123	120	112	107	106	88.6	73.0	58.6	44.7	34.0	24.7	16.2	
70	58.4	62.6	66.1	68.8	70.8	72.9	76.0	76.7	74.9	74.1	76.4	68.0	56.1	45.9	37.0	29.4	22.4	16.2	
80	20.7	25.3	29.6	33.7	37.5	40.4	41.9	43.5	44.8	45.2	45.1	44.2	39.0	34.1	29.7	24.8	19.6	16.2	
90	2.30	4.14	5.98	7.81	9.65	11.5	13.9	16.4	18.9	21.3	23.8	26.3	24.6	22.9	21.2	19.5	17.9	16.2	
100	1.22	1.64	2.12	2.68	3.36	4.15	5.32	6.53	7.72	9.17	11.0	13.3	13.9	15.0	15.8	16.1	16.2	16.2	
110	2.00	1.96	1.93	1.91	1.92	2.02	2.35	2.80	3.30	3.89	4.97	7.01	8.73	9.59	12.0	13.9	15.0	16.2	
120	3.97	3.59	3.20	2.82	2.46	2.25	2.24	2.31	2.43	2.63	3.38	4.14	4.71	6.22	8.23	11.8	14.2	16.2	
130	6.73	6.04	5.29	4.51	3.80	3.32	2.92	2.57	2.37	2.46	2.67	2.82	3.58	4.61	6.03	8.95	13.5	16.2	
140	9.54	8.64	7.63	6.53	5.62	4.75	3.96	3.30	2.82	2.50	2.36	2.68	2.82	3.56	4.83	7.28	12.6	16.2	
150	11.9	10.8	9.61	8.46	7.30	6.14	5.02	4.05	3.36	2.89	2.61	2.49	2.78	3.01	4.62	6.19	12.0	16.2	
160	13.7	12.4	11.1	9.79	8.39	6.98	5.94	4.95	4.06	3.30	2.83	2.58	2.69	2.85	3.70	5.46	11.6	16.2	
170	14.6	13.4	11.9	10.7	9.35	7.99	6.71	5.61	4.56	3.66	3.01	2.71	2.66	2.85	3.37	5.08	11.3	16.2	
180	16.5	15.1	13.4	11.7	9.96	8.36	6.96	5.81	4.76	3.80	3.10	2.79	2.68	2.87	3.20	4.89	11.1	16.2	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2022-01-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 10.240m [K=1.0000]
 Remarks: