

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		357.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	151.5V x 151.6H 113.1V x 113.6H 51.0V x 54.4H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.0 lumens per klm. 970.9 lumens per klm. 769.2 lumens per klm. 204.8 lumens per klm.
	Upward LOR Downward LOR	1.4 % 98.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

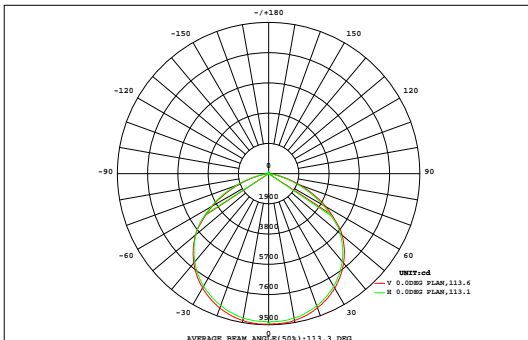
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.640m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:1.094A P:246.5W PF:0.9800 Lamp Flux:26479.7x1 lm		
NAME: UFO	TYPE:250W	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:0.15*0.15*3.14	Shielding Angle:



DATA OF LAMP		Eff:107.42lm/W	
MODEL		Imax(cd)	9464
NOMINAL POWER(W)	250	AVAILABILITY(%)	97.1
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	25718
NOMINAL FLUX(lm)	26479.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	26480
TEST VOLTAGE(V)	230	θ @50%(H,V)	114,113DEG

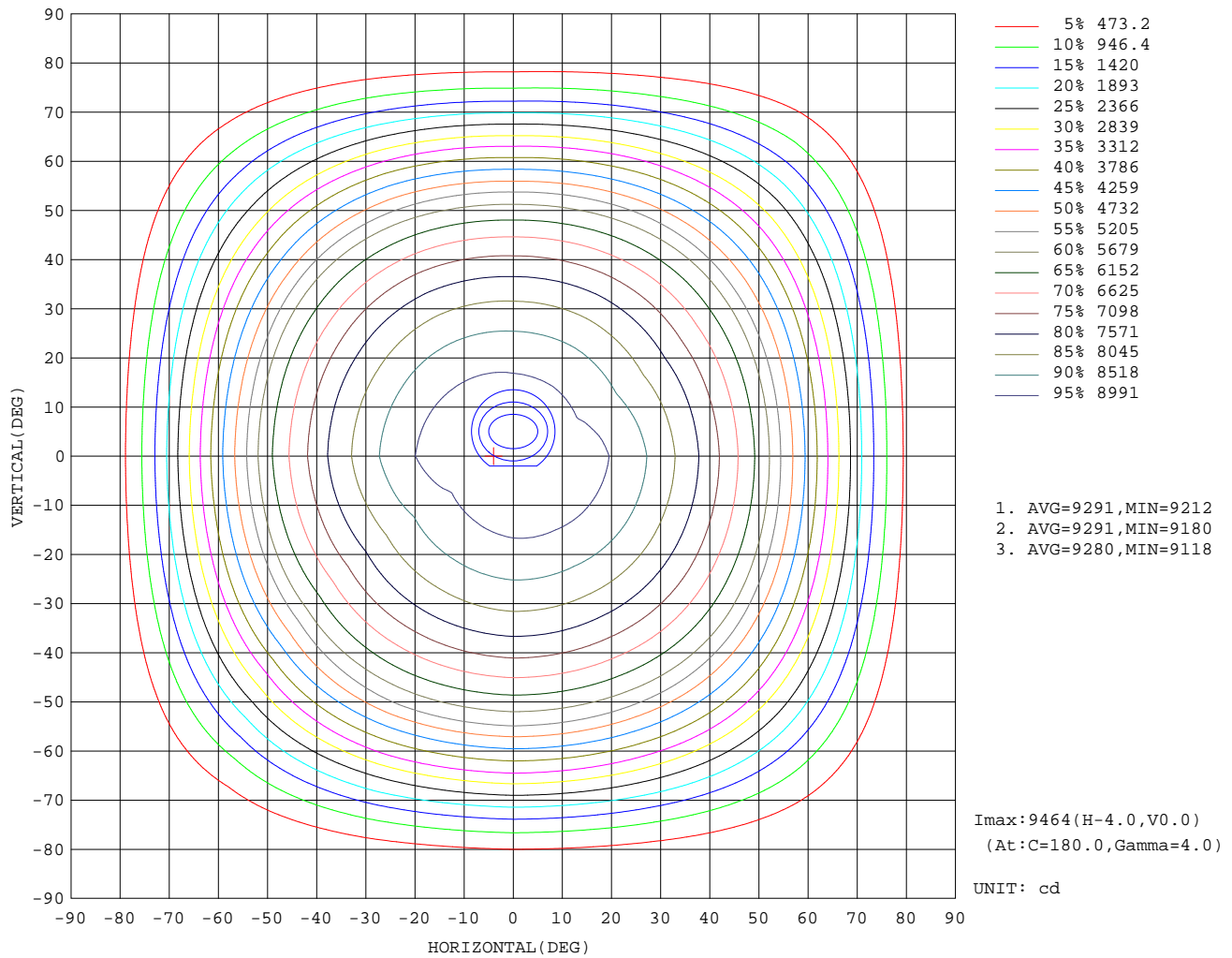
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.11	0.20	0.36	0.64	1.06	1.56	1.98	2.19	2.24	2.13	1.78	1.33	0.89	0.53	0.26	0.12	0.03	17.5	0.00
90	0.04	0.11	0.20	0.36	0.64	1.06	1.56	1.98	2.19	2.24	2.13	1.78	1.33	0.89	0.53	0.26	0.12	0.03	17.5	0.00
80	0.04	0.23	1.13	3.76	8.63	15.1	21.6	26.7	29.4	29.6	27.4	22.6	16.6	10.4	5.21	1.74	0.32	0.04	221	115
70	0.05	0.79	4.92	14.9	30.6	49.1	66.9	80.4	87.3	87.4	80.8	67.7	50.9	33.2	17.5	6.28	1.08	0.06	680	650
60	0.08	2.02	11.4	31.2	58.8	89.5	117	138	149	149	138	118	90.7	61.2	34.0	13.2	2.49	0.10	1203	1189
50	0.13	3.70	19.1	48.1	86.2	127	162	186	198	198	185	161	127	87.8	50.6	20.8	4.33	0.17	1664	1655
40	0.21	5.53	26.5	63.5	109	155	193	220	233	232	218	191	155	110	65.1	28.1	6.22	0.25	2012	2005
30	0.29	7.20	32.7	75.5	127	175	215	244	258	257	242	212	173	127	76.5	34.0	7.89	0.33	2264	2258
20	0.35	8.46	37.2	83.9	138	188	229	259	274	273	256	226	186	138	84.6	38.3	9.12	0.40	2429	2424
10	0.39	9.16	39.6	88.3	143	194	237	268	283	280	265	236	194	143	88.9	40.5	9.77	0.43	2521	2517
0	0.39	9.14	39.4	87.9	143	193	235	265	279	282	268	237	194	144	89.1	40.6	9.78	0.43	2518	2513
-10	0.35	8.39	36.8	82.8	136	184	224	255	272	273	259	229	188	139	85.2	38.5	9.15	0.40	2420	2416
-20	0.28	7.10	32.2	74.0	124	170	210	240	256	257	243	215	175	129	77.4	34.3	7.94	0.34	2252	2246
-30	0.21	5.42	25.9	61.7	106	151	189	217	232	233	219	193	157	112	66.1	28.4	6.28	0.26	2003	1996
-40	0.13	3.60	18.4	46.4	83.8	124	160	185	199	200	187	163	130	89.8	51.5	21.1	4.38	0.17	1667	1658
-50	0.08	1.97	10.9	29.8	57.8	89.4	119	141	154	154	143	122	93.9	63.3	34.8	13.4	2.55	0.10	1230	1216
-60	0.05	0.77	4.68	14.3	30.8	50.8	70.5	86.0	95.1	95.7	87.7	73.2	54.7	35.3	18.2	6.44	1.14	0.06	725	696
-70	0.04	0.22	1.06	3.77	9.32	17.2	25.5	32.6	37.2	37.6	33.8	27.2	19.4	11.8	5.70	1.88	0.33	0.04	265	164
-80	0.04	0.11	0.20	0.38	0.81	1.56	2.49	3.39	4.08	4.18	3.68	2.90	2.04	1.23	0.61	0.28	0.12	0.03	28.1	0.00
-90	0.04	0.11	0.20	0.38	0.81	1.56	2.49	3.39	4.08	4.18	3.68	2.90	2.04	1.23	0.61	0.28	0.12	0.03	28.1	0.00
Φ t	3.14	73.9	342	810	1393	1975	2480	2849	3042	3045	2858	2499	2007	1436	852	368	83.0	3.67	26118	---
Φ a	0.00	41.2	317	786	1370	1952	2457	2826	3019	3023	2835	2476	1984	1413	828	343	49.7	0.00	---	25718

one-half-peak spread: U:53.4,D:52.2 , L:52.9,R:54.1 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.640m [K=1.0000]  
Remarks:

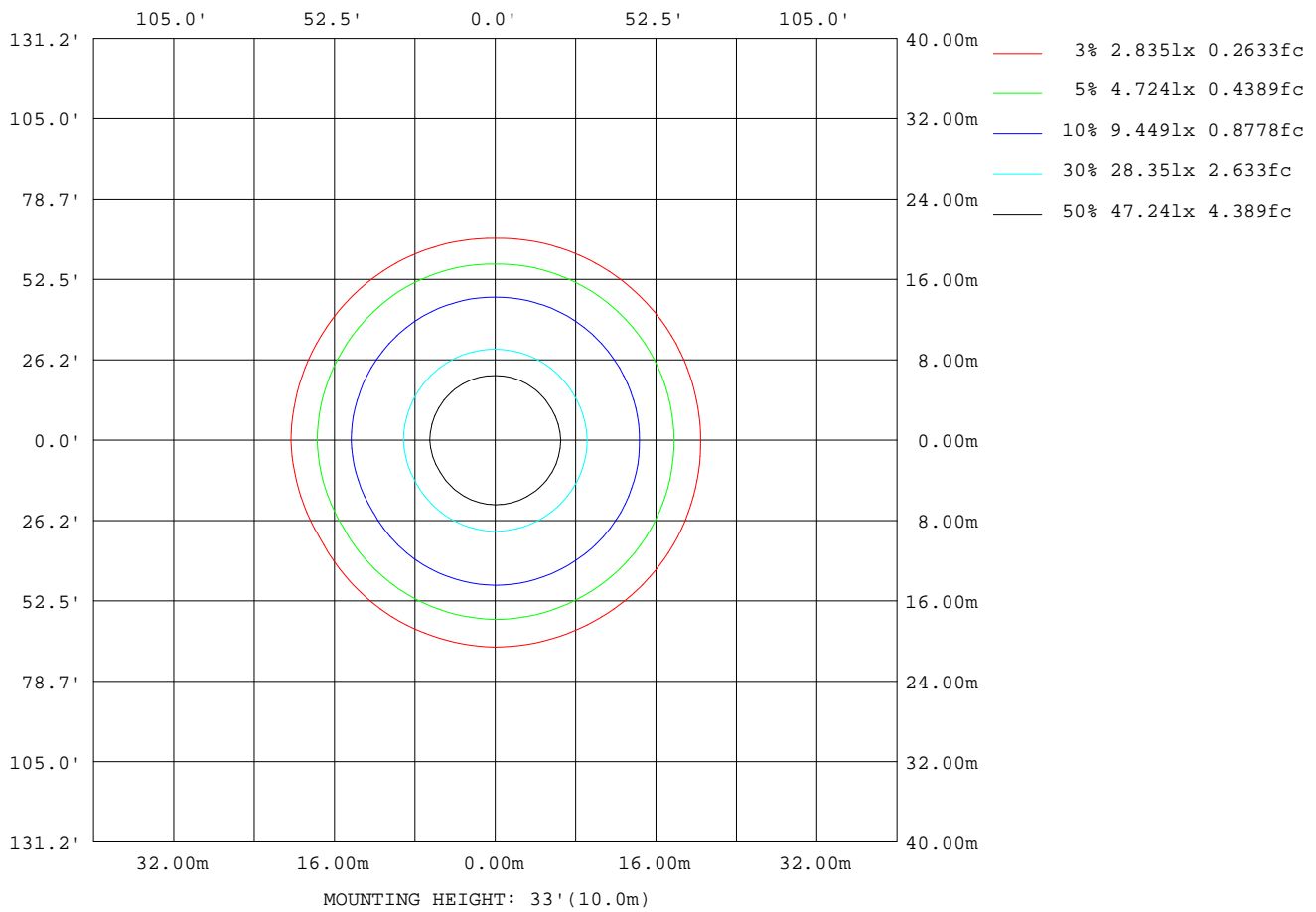
ISOCANDELA DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.640m [K=1.0000]  
Remarks:

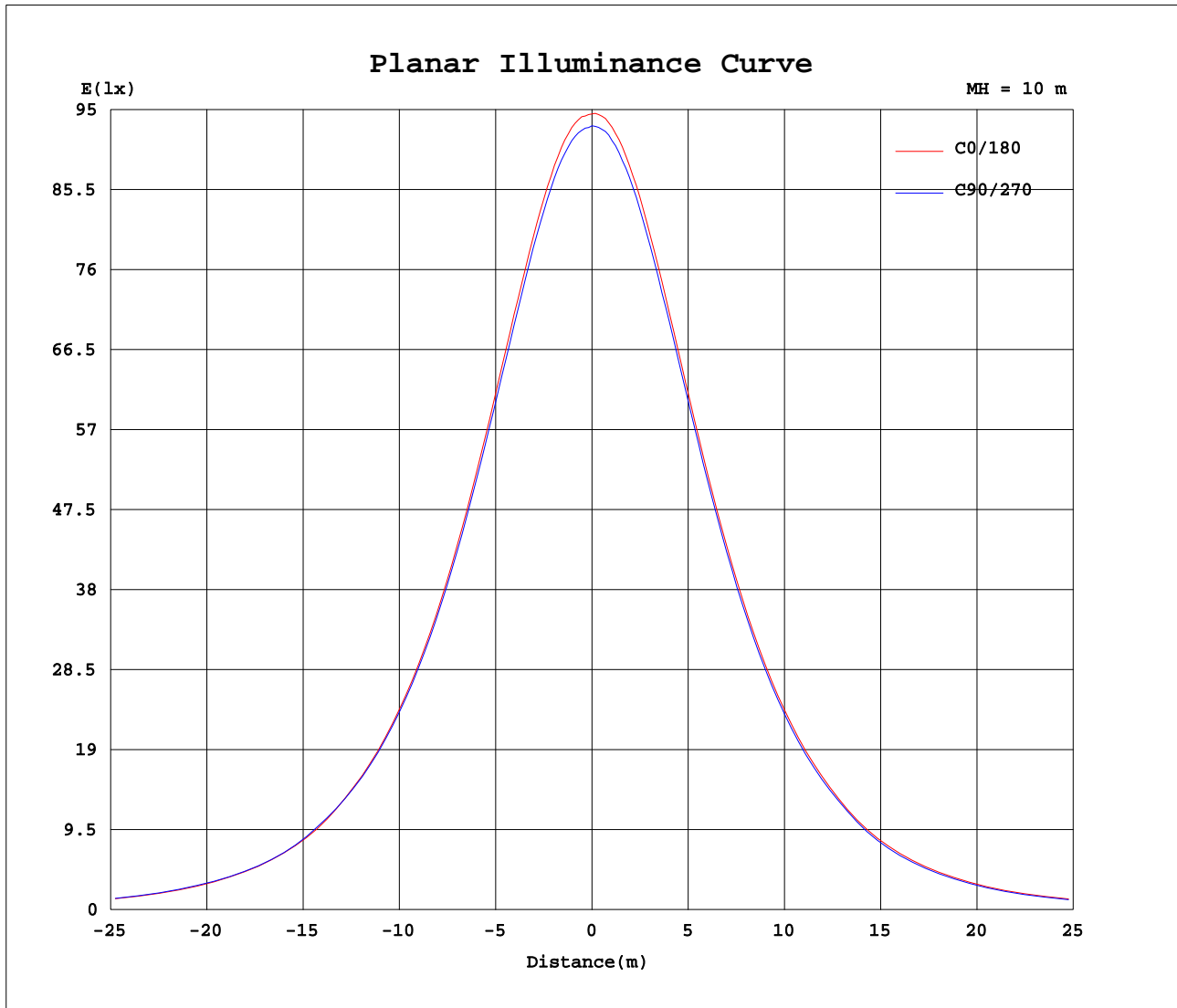
ISOLUX DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.640m [K=1.0000]  
 Remarks:

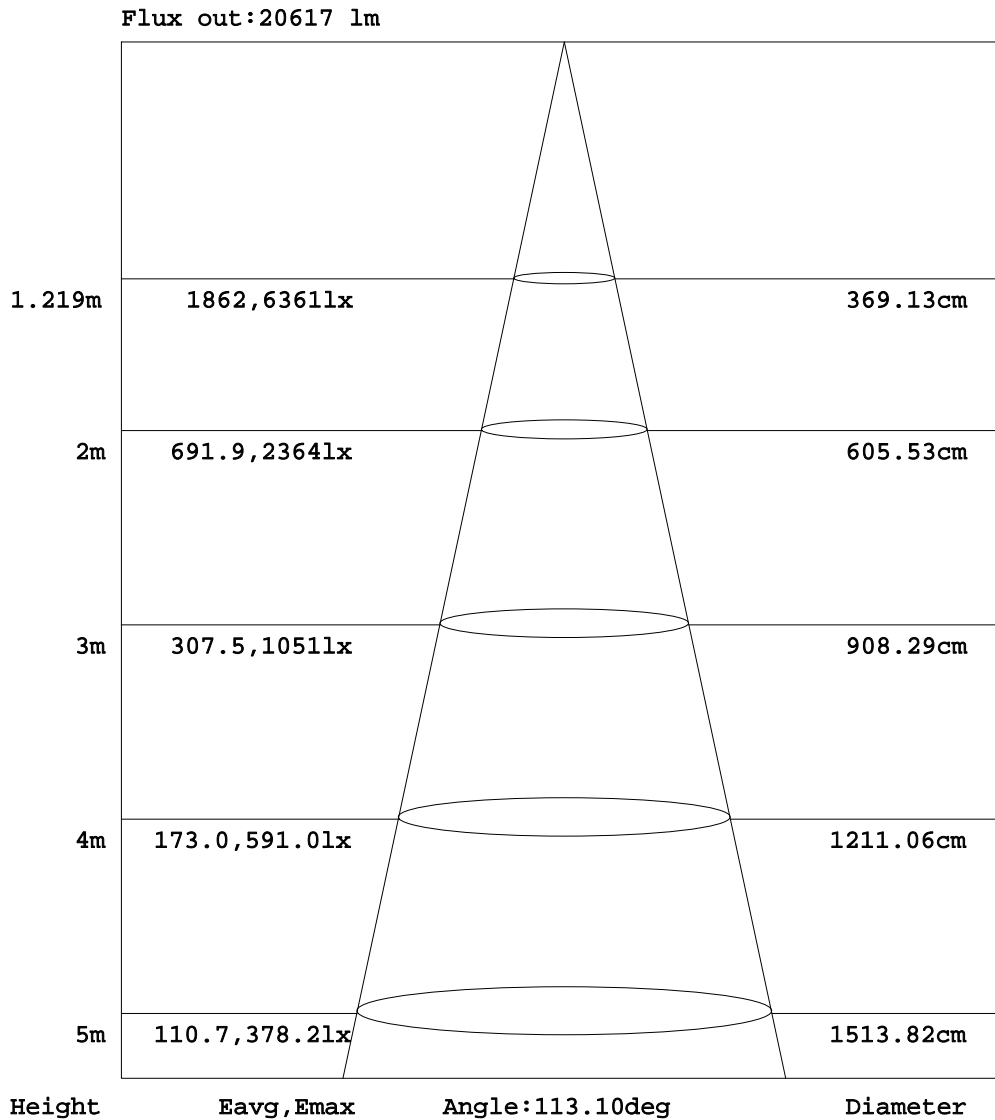
Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.640m [K=1.0000]  
 Remarks:

AAI Figure



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

H( $\beta$ ) Range: -90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 20 January 2022

V(B) Range: -180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 7.640m [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	13.8	16.0	22.6	30.4	39.1	48.1	56.9	65.4	73.5	81.1	88.1	94.4	99.0	104	109	113	116	118	116
-170	13.8	15.9	22.3	29.9	38.3	47.0	55.6	63.8	71.5	78.8	85.4	91.3	96.1	101	105	108	111	113	115
-160	13.8	15.6	21.6	28.7	36.5	44.5	52.6	60.2	67.4	74.1	80.2	85.6	90.3	95.1	99.3	103	106	108	109
-150	13.8	15.2	20.5	26.8	33.7	40.9	48.1	55.0	61.4	67.4	72.8	78.3	83.3	87.7	91.4	94.5	97.0	98.8	99.8
-140	13.8	14.6	19.1	24.4	30.1	36.2	42.3	48.2	53.7	59.2	64.5	69.4	73.7	77.6	80.9	83.4	85.5	86.9	87.7
-130	13.8	13.9	17.5	21.6	26.1	30.8	35.5	40.2	44.9	49.6	54.0	58.1	61.7	64.9	67.7	69.7	71.4	72.4	72.9
-120	13.8	13.5	15.7	18.6	21.8	25.0	28.4	31.8	35.3	38.7	42.0	45.0	47.8	50.2	52.2	53.8	54.9	55.7	56.0
-110	13.8	13.3	14.0	15.7	17.5	19.4	21.4	23.4	25.5	27.5	29.5	31.3	33.0	34.4	35.6	36.6	37.2	37.7	37.8
-100	13.8	13.6	13.1	13.1	13.7	14.4	15.1	16.0	16.8	17.6	18.4	19.1	19.7	20.2	20.6	21.0	21.2	21.3	21.3
-90	13.8	13.7	13.5	13.4	13.2	13.1	13.0	12.7	12.4	12.2	11.9	11.7	11.4	11.6	11.9	12.1	12.3	12.5	12.7
-80	13.8	13.5	14.3	16.3	19.6	24.5	30.4	51.3	81.7	120	170	222	274	318	362	401	433	458	475
-70	13.8	14.6	21.3	38.3	87.2	176	291	434	629	842	1073	1285	1492	1677	1845	1974	2071	2140	2178
-60	13.8	17.1	38.0	134	311	546	854	1214	1622	2041	2431	2808	3179	3477	3701	3890	4031	4126	4175
-50	13.8	20.8	84.4	300	633	1094	1610	2163	2729	3308	3847	4312	4752	5175	5461	5669	5821	5917	5963
-40	13.8	25.6	158	490	1024	1677	2396	3089	3788	4420	5049	5621	6046	6395	6667	6891	7060	7169	7220
-30	13.8	31.5	238	696	1402	2226	3062	3907	4650	5377	5984	6494	6922	7292	7596	7831	8004	8117	8170
-20	13.8	36.7	300	874	1704	2649	3616	4497	5352	6085	6650	7134	7544	7917	8232	8465	8644	8759	8816
-10	13.8	40.1	339	996	1915	2919	3951	4882	5820	6512	7097	7612	8029	8371	8633	8832	9023	9136	9215
0	13.8	41.5	354	1046	2004	3034	4088	5055	6004	6710	7321	7854	8301	8678	8987	9219	9369	9450	9449
10	13.8	40.1	339	1001	1929	2934	3976	4921	5872	6570	7175	7705	8143	8506	8800	9031	9176	9236	9218
20	13.8	36.8	300	884	1725	2678	3675	4559	5488	6198	6790	7311	7747	8104	8394	8608	8754	8830	8823
30	13.8	31.6	239	711	1425	2271	3124	3992	4767	5593	6160	6664	7092	7453	7739	7951	8086	8157	8165
40	13.8	25.8	161	501	1049	1727	2461	3193	3913	4547	5204	5755	6152	6487	6757	6961	7099	7173	7189
50	13.8	20.9	86.9	303	661	1139	1679	2258	2810	3418	3912	4352	4758	5135	5453	5651	5779	5852	5867
60	13.8	17.2	38.4	137	317	577	904	1274	1660	2068	2430	2771	3088	3377	3606	3756	3864	3924	3932
70	13.8	14.6	21.7	39.2	92.3	183	301	452	632	819	1007	1199	1369	1511	1637	1738	1810	1850	1857
80	13.8	13.4	14.3	16.6	20.4	25.5	31.6	52.4	73.1	95.9	128	163	203	233	256	272	282	285	281
90	13.8	13.6	13.4	13.2	12.9	12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.3	11.2	11.2	11.1	11.1	11.0
100	13.8	13.6	13.2	13.5	14.2	15.1	15.9	16.8	17.6	18.4	19.1	19.7	20.3	20.9	21.4	21.8	22.1	22.3	22.3
110	13.8	13.4	14.2	16.1	18.1	20.1	22.2	24.3	26.3	28.3	30.1	31.8	33.3	34.7	35.8	36.8	37.5	38.0	38.1
120	13.8	13.6	16.0	19.0	22.3	25.7	29.3	32.8	36.2	39.4	42.5	45.2	47.7	49.8	51.7	53.2	54.2	54.9	55.1
130	13.8	14.0	17.7	22.0	26.6	31.4	36.4	41.3	46.0	50.4	54.6	58.2	61.5	64.2	66.7	68.6	70.1	70.9	71.3
140	13.8	14.7	19.3	24.7	30.6	36.8	43.0	49.1	54.9	60.3	65.2	69.8	73.7	77.0	79.7	82.1	83.9	84.9	85.4
150	13.8	15.2	20.7	27.0	34.0	41.4	48.7	55.8	62.4	68.5	74.1	79.2	83.8	87.6	90.6	92.7	94.5	95.6	96.1
160	13.8	15.7	21.7	28.9	36.7	44.9	53.0	60.8	68.1	75.0	81.2	86.8	91.5	95.0	98.4	101	103	105	106
170	13.8	15.9	22.4	30.0	38.4	47.2	55.8	64.1	71.9	79.2	85.9	91.9	96.4	101	105	109	112	114	114
180	13.8	16.0	22.6	30.4	39.1	48.1	56.9	65.4	73.5	81.1	88.1	94.4	99.0	104	109	113	116	118	116

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.640m [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	119	117	114	110	106	100	94.6	88.0	81.0	73.2	64.9	56.1	47.1	38.1	29.5	21.7	15.2	11.2	
-170	115	114	112	108	104	98.8	93.1	86.7	79.7	72.1	63.9	55.2	46.4	37.6	29.1	21.5	15.1	11.2	
-160	109	108	106	103	98.7	94.0	88.6	82.6	75.9	68.6	60.8	52.6	44.3	35.9	28.0	20.8	14.9	11.2	
-150	99.5	98.5	96.6	93.9	90.4	86.2	81.3	75.8	69.6	63.0	55.9	48.4	40.8	33.2	26.2	19.8	14.4	11.2	
-140	87.4	86.4	84.8	82.4	79.5	75.8	71.5	66.6	61.2	55.4	49.1	42.7	36.2	29.8	23.8	18.5	13.9	11.2	
-130	72.7	72.0	70.6	68.7	66.2	63.1	59.5	55.5	51.0	46.1	41.1	35.9	30.7	25.7	21.1	16.9	13.2	11.2	
-120	55.8	55.3	54.3	52.8	51.0	48.6	45.9	42.8	39.5	35.9	32.3	28.6	24.9	21.4	18.2	15.2	12.5	11.2	
-110	37.8	37.4	36.8	35.9	34.8	33.4	31.7	29.9	27.8	25.7	23.6	21.4	19.3	17.2	15.2	13.4	11.9	11.2	
-100	21.3	21.2	21.0	20.7	20.3	19.8	19.2	18.4	17.6	16.8	15.9	15.0	14.2	13.3	12.5	11.9	11.6	11.2	
-90	12.7	12.6	12.5	12.4	12.3	12.2	12.2	12.2	12.2	12.2	12.1	12.1	12.0	11.8	11.7	11.5	11.4	11.2	
-80	468	452	428	395	356	314	272	230	186	142	100	65.1	40.9	27.4	20.4	16.1	13.3	11.2	
-70	2158	2107	2027	1914	1761	1596	1415	1230	1012	809	609	425	276	151	64.1	25.8	15.7	11.2	
-60	4148	4075	3955	3781	3573	3307	2975	2641	2282	1887	1484	1091	722	408	192	59.1	19.0	11.2	
-50	5938	5862	5729	5542	5279	4898	4497	4071	3607	3019	2465	1870	1305	785	372	117	23.3	11.2	
-40	7190	7106	6961	6762	6513	6200	5820	5355	4698	4075	3398	2628	1885	1187	594	196	28.4	11.2	
-30	8145	8062	7908	7704	7436	7104	6702	6228	5678	4893	4118	3282	2408	1547	810	274	38.9	11.2	
-20	8798	8715	8579	8370	8103	7752	7330	6827	6249	5561	4651	3775	2786	1837	973	341	49.1	11.2	
-10	9211	9145	9011	8789	8510	8151	7706	7195	6601	5912	4983	4049	3025	2024	1084	384	55.2	11.2	
0	9445	9363	9212	8965	8677	8309	7863	7323	6725	6016	5083	4137	3104	2083	1116	397	57.1	11.2	
10	9163	9049	8870	8676	8414	8079	7654	7152	6568	5889	4958	4034	3017	2019	1080	384	55.2	11.2	
20	8795	8698	8528	8289	7996	7638	7239	6753	6191	5496	4612	3749	2772	1828	968	339	49.1	11.2	
30	8136	8044	7888	7666	7376	7022	6614	6137	5589	4819	4067	3231	2390	1536	806	271	38.8	11.2	
40	7161	7070	6925	6723	6464	6127	5745	5205	4608	4000	3310	2597	1861	1165	590	191	28.1	11.2	
50	5845	5768	5640	5447	5133	4766	4383	3965	3502	2954	2424	1838	1282	779	366	113	23.1	11.2	
60	3923	3865	3761	3614	3412	3124	2828	2524	2191	1813	1447	1057	714	400	181	59.4	18.9	11.2	
70	1858	1826	1763	1671	1555	1420	1280	1104	925	760	584	412	257	138	64.1	25.3	15.5	11.2	
80	287	287	281	270	254	233	207	175	141	112	85.6	66.1	39.4	26.3	19.9	15.8	13.2	11.2	
90	11.0	11.0	10.9	10.9	10.9	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.3	11.3	11.3	11.2	11.2	
100	22.2	21.9	21.5	21.0	20.4	19.8	19.1	18.2	17.4	16.5	15.5	14.6	13.8	13.1	12.4	11.8	11.5	11.2	
110	37.8	37.3	36.5	35.4	34.1	32.6	31.0	29.1	27.1	25.0	22.9	20.7	18.8	16.9	15.0	13.3	11.9	11.2	
120	54.8	54.0	52.8	51.2	49.2	46.9	44.4	41.4	38.2	34.8	31.2	27.7	24.4	21.0	17.9	15.0	12.5	11.2	
130	70.8	69.8	68.3	66.2	63.6	60.7	57.4	53.5	49.2	44.6	39.7	34.9	30.1	25.3	20.8	16.7	13.2	11.2	
140	84.9	83.8	82.0	79.5	76.6	73.1	69.0	64.3	59.1	53.6	47.8	41.7	35.5	29.4	23.6	18.3	13.8	11.2	
150	95.7	94.6	92.8	90.6	87.4	83.5	78.8	73.3	67.6	61.4	54.6	47.5	40.1	32.9	26.0	19.7	14.4	11.2	
160	105	104	101	98.6	95.1	91.3	86.4	80.8	74.3	67.4	59.9	52.0	43.8	35.6	27.8	20.8	14.8	11.2	
170	114	112	109	105	101	96.9	91.9	85.7	78.9	71.4	63.4	54.9	46.2	37.4	29.1	21.4	15.1	11.2	
180	119	117	114	110	106	100	94.6	88.0	81.0	73.2	64.9	56.1	47.1	38.1	29.5	21.7	15.2	11.2	

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:20 January 2022

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.640m [K=1.0000]  
Remarks:



50% Beam Angle : 114°-H X 113°-V one-half-peak spread: U:53.4,D:52.2 , L:52.9,R:54.1

TOTAL FLUX : 26480 lm

LOR : 100.0%

AVAILABILITY FLUX : 25718 lm

AVAILABILITY : 97.1%

