

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	289.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.0 degrees horizontal

Beam Spread	At 10% of Imax	148.2V x 150.4H
	At 50% of Imax	107.1V x 111.0H
	At 90% of Imax	53.9V x 54.0H

Beam Flux	Total	781.5 lumens per klm.
	To 10% of Imax	769.9 lumens per klm.
	To 50% of Imax	606.6 lumens per klm.
	To 90% of Imax	183.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	78.1 %

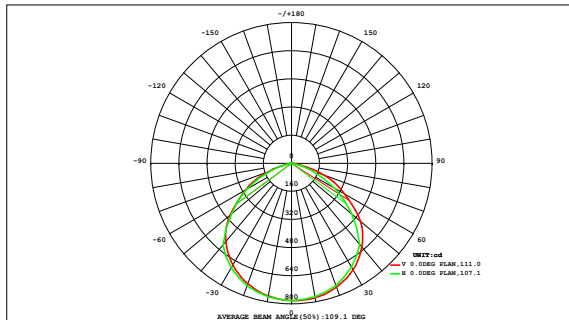
Luminaire Efficiency (Light Output Ratio)	78.3 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega30Slim/WH	Imax(cd)	782.1
NOMINAL POWER(W)	30	AVAILABILITY(%)	77.3
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	2087
NOMINAL FLUX(lm)	2700	LOR(%)	78.3
LAMPS INSIDE	1	TOTAL FLUX(lm)	2114
TEST VOLTAGE(V)	230	θ @50% (H,V)	111,107DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.01	0.07	0.28	0.65	1.05	1.44	1.73	1.87	1.86	1.72	1.41	1.03	0.64	0.28	0.08	0.01	0.00	14.2	7.06
80	0.00	0.04	0.33	1.20	2.39	3.65	4.94	5.80	6.21	6.19	5.72	4.77	3.53	2.27	1.12	0.32	0.04	0.00	48.5	45.9
70	0.00	0.11	0.95	2.69	4.71	7.13	9.19	10.6	11.2	11.2	10.4	8.98	6.80	4.54	2.53	0.89	0.11	0.00	92.1	91.0
60	0.00	0.25	1.74	4.19	7.19	10.6	13.1	15.0	15.9	15.8	14.8	12.9	10.2	6.88	4.01	1.63	0.24	0.01	134	134
50	0.01	0.44	2.51	5.54	9.61	13.5	16.6	18.8	19.9	19.8	18.5	16.2	13.0	9.06	5.25	2.31	0.40	0.01	172	171
40	0.01	0.60	2.95	6.35	10.8	14.8	18.2	20.5	21.7	21.6	20.2	17.8	14.4	10.3	6.00	2.76	0.53	0.01	190	189
30	0.01	0.73	3.25	6.95	11.7	15.8	19.3	21.8	23.0	22.9	21.5	18.9	15.4	11.2	6.55	3.04	0.64	0.01	202	202
20	0.01	0.76	3.39	7.23	12.0	16.3	19.8	22.3	23.6	23.5	22.1	19.4	15.8	11.6	6.84	3.19	0.70	0.01	208	208
10	0.01	0.77	3.38	7.23	12.0	16.3	19.8	22.3	23.6	23.5	22.1	19.4	15.8	11.6	6.82	3.18	0.69	0.01	208	208
0	0.01	0.71	3.21	6.90	11.6	15.8	19.2	21.7	22.9	22.8	21.4	18.8	15.3	11.2	6.53	3.03	0.63	0.01	202	201
-10	0.01	0.61	2.90	6.28	10.7	14.8	18.1	20.4	21.6	21.5	20.2	17.7	14.3	10.3	5.93	2.70	0.51	0.01	188	188
-20	0.01	0.44	2.41	5.41	9.32	13.2	16.3	18.4	19.5	19.5	18.2	15.9	12.8	8.92	5.11	2.25	0.38	0.01	168	168
-30	0.00	0.28	1.76	4.24	7.29	10.7	13.4	15.2	16.1	16.1	15.0	13.0	10.3	6.84	3.94	1.56	0.21	0.00	136	135
-40	0.00	0.12	0.97	2.67	4.68	7.00	9.07	10.4	11.1	11.0	10.2	8.74	6.63	4.30	2.40	0.79	0.08	0.00	90.2	89.1
-50	0.00	0.03	0.35	1.18	2.35	3.56	4.86	5.73	6.13	6.09	5.62	4.72	3.37	2.20	1.05	0.25	0.02	0.00	47.5	44.9
-60	0.00	0.01	0.04	0.21	0.56	0.96	1.28	1.62	1.74	1.72	1.56	1.20	0.86	0.48	0.17	0.04	0.01	0.00	12.4	3.50
-70	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.10	5.91	30.2	68.6	118	165	204	232	246	245	229	200	160	112	64.5	28.0	5.18	0.10	2114	---
Φ a	0.00	4.02	28.5	66.9	116	163	203	231	245	243	228	198	158	110	62.7	26.3	3.26	0.00	---	2087

one-half-peak spread: U:53.7,D:53.9 , L:55.5,R:56.0

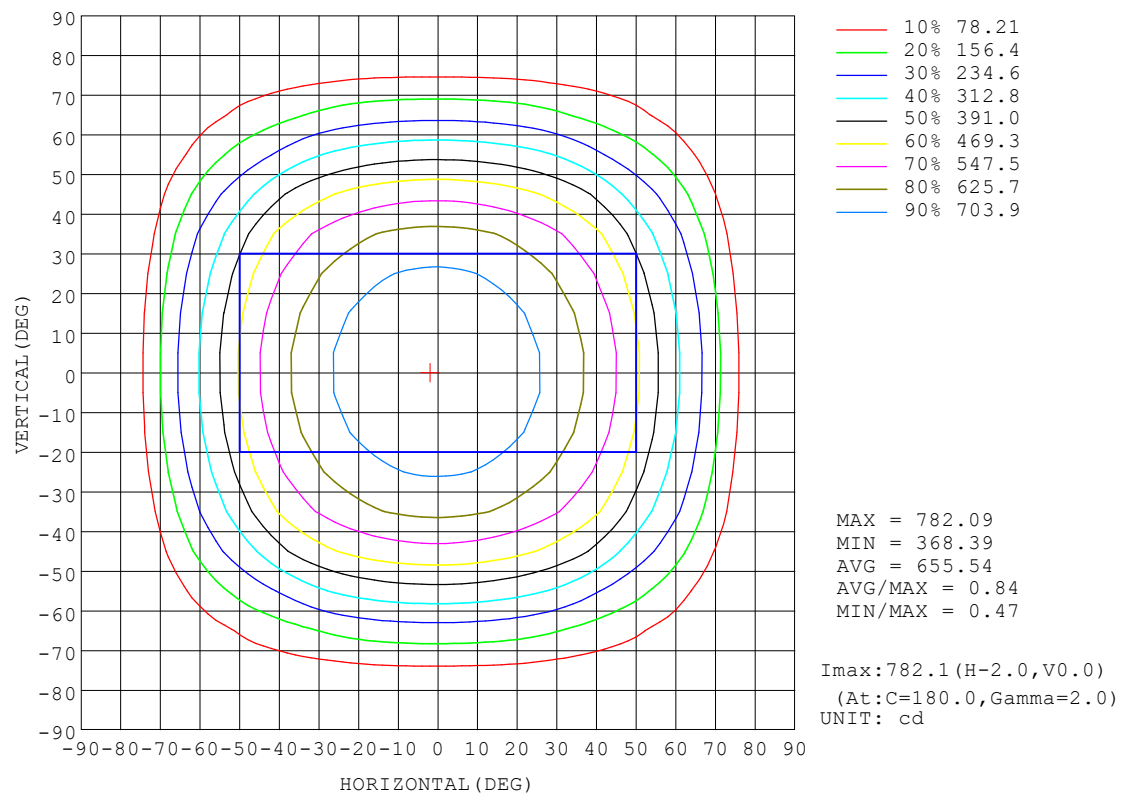
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

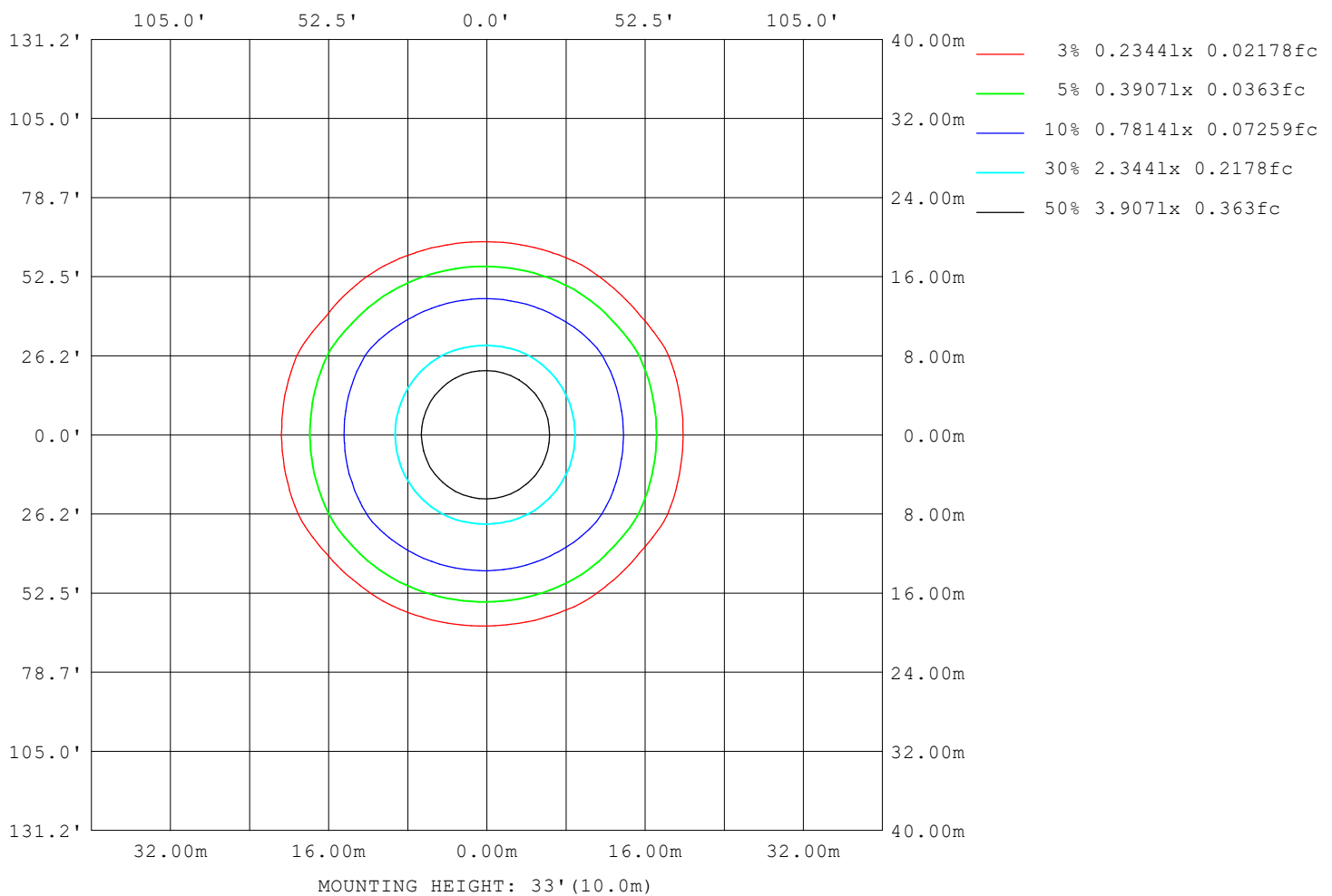


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

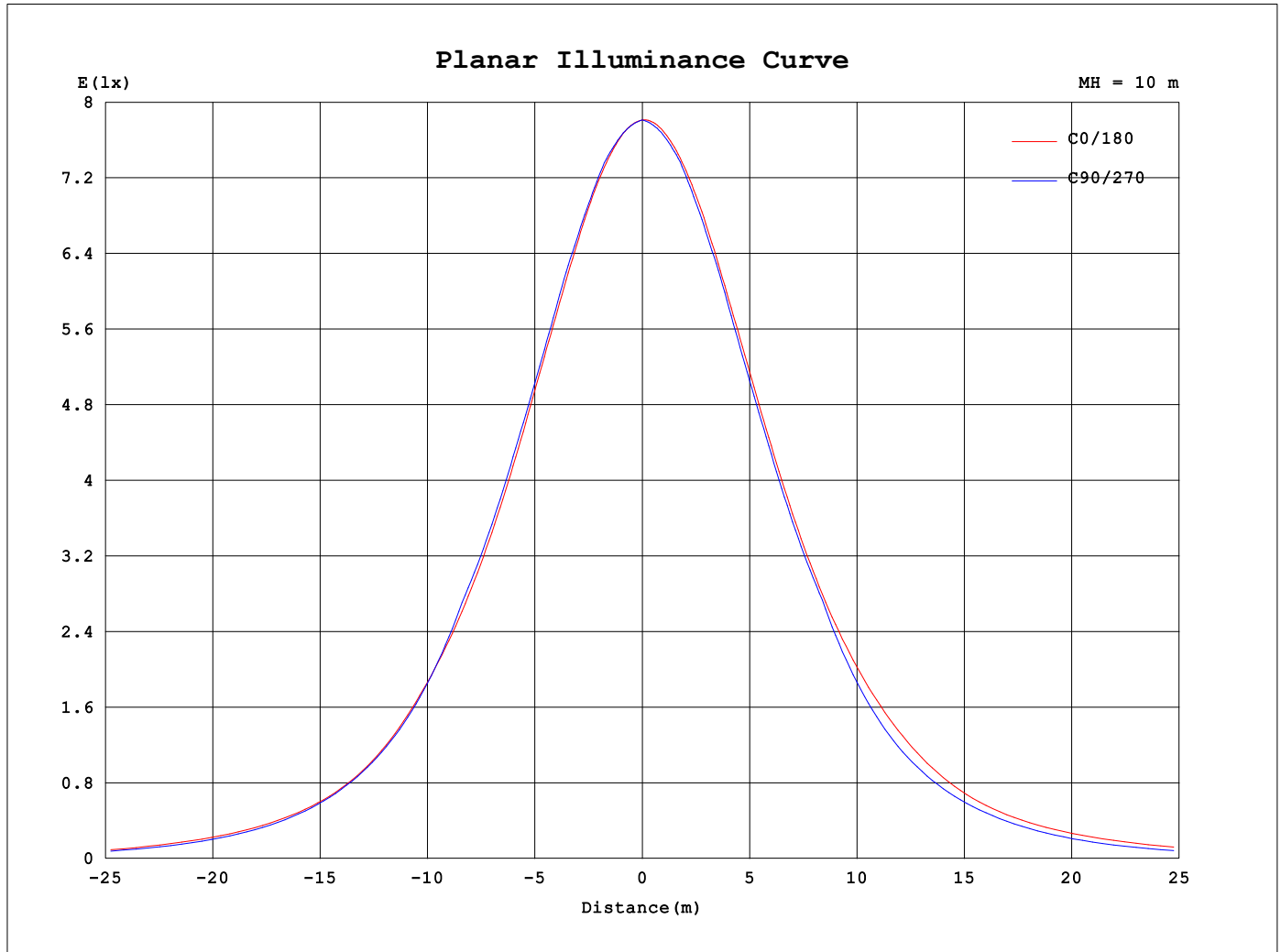
NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:05 July 2022

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

Planar Illuminance Curve

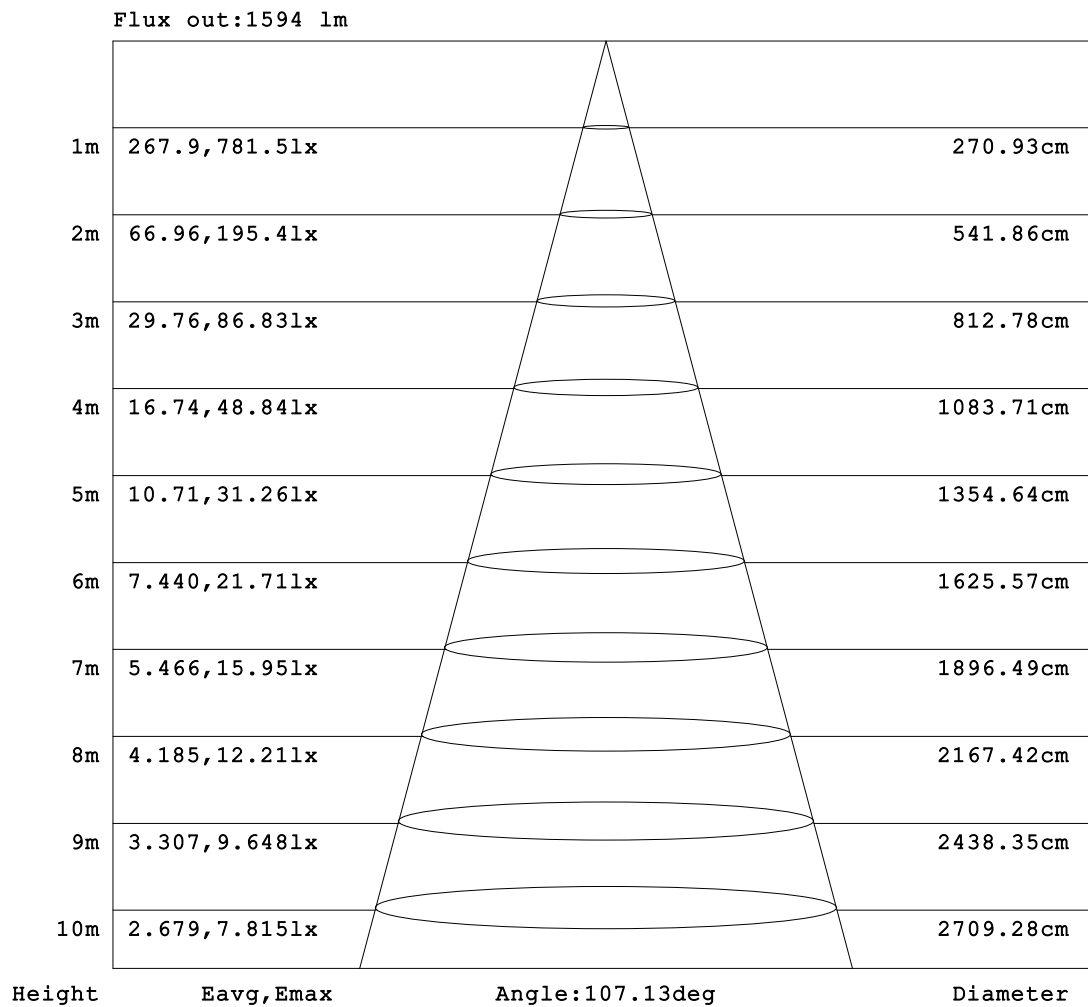


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

AAI Figure

NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



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

H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:05 July 2022

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-86	-80	-76	-70	-66	-60	-56	-50	-46	-40	-36	-30	-26	-20	-16	-10	-6	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.60	0.62	0.59	0.63	0.88	1.18	1.78	2.30	3.33	4.06	5.14	5.81	6.68	7.13	7.62	7.86	8.10	8.17	8.15
-75	0.64	0.62	0.69	0.93	1.87	3.61	8.04	13.1	22.1	28.4	36.0	41.6	47.2	50.6	57.4	60.4	62.8	63.7	64.1
-70	0.63	0.64	0.98	1.63	4.42	8.00	19.0	29.8	47.1	57.6	72.9	81.4	91.0	98.4	111	115	119	120	120
-65	0.68	0.65	1.07	2.23	8.30	19.1	40.7	58.6	84.9	102	122	136	158	170	185	192	199	201	203
-60	0.67	0.74	1.96	5.59	22.2	42.8	79.9	103	141	160	186	205	238	253	267	275	282	284	285
-55	0.73	0.69	1.81	5.59	28.1	55.5	102	136	178	204	240	266	303	321	340	350	360	364	366
-50	0.71	0.90	4.48	15.6	60.6	101	157	197	243	271	321	353	387	404	423	433	443	446	446
-45	0.78	0.75	3.20	12.5	61.2	107	175	218	273	310	370	406	446	467	491	504	517	522	525
-40	0.76	1.13	7.93	35.0	109	157	237	279	340	389	457	490	527	548	573	585	597	601	603
-35	0.84	0.81	5.02	24.0	96.5	153	236	283	351	403	476	511	553	576	605	619	634	640	644
-30	0.80	1.34	13.9	54.2	143	204	284	331	413	469	532	563	603	626	652	664	677	682	683
-25	0.89	0.87	7.17	36.8	127	188	277	327	410	470	539	573	618	642	671	686	701	708	712
-20	0.83	1.55	20.5	72.2	171	238	319	374	468	522	582	615	658	680	706	719	733	739	739
-15	0.93	0.92	9.38	46.6	146	214	303	357	453	512	578	614	659	684	714	730	746	752	756
-10	0.85	1.68	24.4	82.5	186	255	340	401	500	551	611	645	687	710	739	753	766	770	771
-5	0.95	0.98	11.0	52.3	155	227	316	374	475	533	598	634	680	706	736	752	768	774	777
0	0.88	1.85	28.5	86.0	195	263	348	412	512	562	622	656	700	723	749	764	776	780	781
5	0.98	1.03	11.1	52.9	156	229	317	375	476	534	599	634	681	706	736	751	767	774	777
10	0.91	1.79	25.2	83.7	189	257	341	404	502	553	612	646	688	711	738	751	766	771	772
15	1.00	1.01	9.92	48.3	149	218	305	360	457	516	581	616	661	686	716	731	747	754	757
20	0.93	1.69	21.9	74.7	176	242	323	379	474	526	585	618	660	682	710	724	736	741	741
25	1.02	0.99	7.86	38.6	131	194	280	331	419	477	543	577	621	645	675	690	706	712	715
30	0.96	1.52	14.8	55.6	148	211	289	337	424	477	537	568	608	630	656	669	682	686	687
35	1.03	0.98	5.51	26.1	100	160	243	289	360	415	484	518	559	582	610	624	639	645	648
40	0.97	1.35	9.17	37.8	113	168	243	285	352	403	466	497	534	555	580	591	603	608	608
45	1.04	0.98	3.67	14.4	65.7	113	181	223	277	316	378	412	449	470	494	507	520	525	528
50	0.99	1.18	5.17	16.4	65.6	102	161	197	241	271	326	355	386	403	422	432	442	445	446
55	1.04	0.97	2.25	6.50	32.0	59.5	107	140	183	207	247	274	309	326	345	354	365	369	371
60	0.99	1.05	2.51	6.94	25.3	47.3	87.8	112	149	168	196	220	250	263	277	285	292	294	295
65	1.03	0.97	1.47	2.99	10.5	21.9	46.8	65.1	93.8	109	132	147	169	181	196	202	208	211	212
70	1.00	0.98	1.44	2.23	6.16	10.7	24.5	36.7	55.0	65.6	81.8	89.3	101	111	121	124	128	129	129
75	1.02	0.98	1.07	1.40	2.80	4.87	10.8	16.9	26.9	33.3	43.0	47.8	54.1	59.3	66.0	68.5	70.9	71.9	72.4
80	1.00	0.98	0.98	1.08	1.48	1.90	2.82	3.81	5.71	7.12	9.32	10.7	12.4	13.2	14.1	14.6	15.0	15.2	15.2
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:05 July 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98Vega30Slim/WH	TYPE: 98Vega30Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	4	10	14	20	24	30	34	40	44	50	54	60	64	70	74	80	84	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	8.08	7.84	7.61	7.15	6.76	5.98	5.32	4.31	3.63	2.66	2.10	1.45	1.12	0.78	0.69	0.71	0.74	0.57	
-75	63.9	62.6	61.1	57.9	54.1	47.2	43.5	37.4	31.6	23.4	17.2	9.48	5.46	2.37	1.34	0.82	0.73	0.66	
-70	119	116	113	106	96.4	84.7	77.9	64.8	54.6	37.6	27.2	13.2	7.20	2.65	1.51	0.79	0.71	0.59	
-65	202	198	194	185	176	160	145	124	110	88.8	70.0	45.6	28.3	10.9	4.79	1.36	0.81	0.66	
-60	283	277	270	257	246	221	198	169	152	122	96.4	59.6	36.3	11.7	4.85	1.24	0.74	0.61	
-55	365	358	352	337	325	302	280	241	215	179	152	108	77.2	34.3	15.1	2.90	1.07	0.67	
-50	443	434	425	406	390	361	337	285	253	210	180	123	89.0	35.8	12.6	2.03	0.84	0.66	
-45	523	515	506	488	472	443	419	373	333	274	239	182	140	74.6	35.9	5.59	1.48	0.69	
-40	599	588	577	555	536	502	475	421	372	303	264	200	146	73.2	29.3	3.63	0.99	0.71	
-35	642	633	623	603	585	552	525	478	436	359	312	246	197	116	62.4	9.53	2.06	0.70	
-30	679	668	657	633	613	576	548	496	450	366	316	246	192	106	48.4	5.47	1.16	0.76	
-25	710	701	691	669	650	615	588	539	500	420	362	286	236	145	84.1	14.0	2.80	0.72	
-20	736	724	711	686	665	628	597	545	503	414	354	276	223	125	61.6	6.96	1.31	0.81	
-15	754	744	733	711	692	656	628	578	539	461	398	313	260	166	101	18.7	3.47	0.74	
-10	767	755	743	719	697	657	627	573	532	445	381	297	241	143	75.0	8.95	1.46	0.84	
-5	775	765	755	733	713	677	648	597	558	482	416	326	272	178	110	21.9	3.86	0.76	
0	778	766	754	728	708	668	636	582	540	454	388	302	246	145	77.5	9.75	1.53	0.88	
5	775	765	756	733	713	677	648	597	558	482	416	327	272	178	110	22.1	3.90	0.79	
10	768	756	744	718	696	658	628	574	532	446	381	297	242	144	75.2	9.17	1.55	0.90	
15	755	745	735	713	693	657	629	579	540	462	398	314	261	167	102	19.2	3.59	0.82	
20	737	725	713	689	668	629	599	546	503	414	356	278	225	127	63.0	7.17	1.41	0.93	
25	713	703	693	671	653	618	590	542	502	421	363	288	238	147	85.2	14.7	2.97	0.86	
30	684	672	660	636	616	579	550	500	453	368	319	249	195	106	48.2	5.66	1.30	0.96	
35	646	637	627	607	589	556	529	482	439	362	315	250	200	120	63.5	9.96	2.27	0.89	
40	605	594	583	560	541	507	479	424	375	308	268	204	149	75.4	30.6	3.83	1.16	0.99	
45	526	518	510	492	476	448	424	377	337	280	245	188	145	78.5	38.3	5.85	1.70	0.93	
50	444	435	427	409	394	366	342	292	259	217	187	131	95.0	38.9	14.0	2.32	1.04	1.01	
55	370	364	357	343	331	308	286	247	221	185	158	114	83.3	37.8	16.9	3.26	1.31	0.96	
60	293	286	279	266	255	228	206	176	159	128	101	63.7	41.6	13.0	5.81	1.51	0.97	1.03	
65	212	208	203	194	185	168	153	131	117	94.6	75.7	49.3	32.2	13.0	5.61	1.69	1.06	0.99	
70	129	125	122	114	104	92.3	85.2	71.8	60.5	43.3	31.4	16.1	9.05	3.55	1.95	1.07	0.96	1.05	
75	72.1	70.7	69.1	65.6	61.2	53.9	49.8	42.9	36.5	27.5	20.8	11.5	6.92	3.27	1.79	1.12	0.98	1.02	
80	15.1	14.7	14.3	13.4	12.7	11.2	9.98	7.89	6.51	4.52	3.36	2.16	1.68	1.17	1.02	0.97	1.00	1.05	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks: