

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	289.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-4.0 degrees horizontal

Beam Spread	At 10% of Imax	148.4V x 150.4H
	At 50% of Imax	108.1V x 112.5H
	At 90% of Imax	55.9V x 55.8H

Beam Flux	Total	793.2 lumens per klm.
	To 10% of Imax	782.1 lumens per klm.
	To 50% of Imax	623.3 lumens per klm.
	To 90% of Imax	197.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	79.3 %

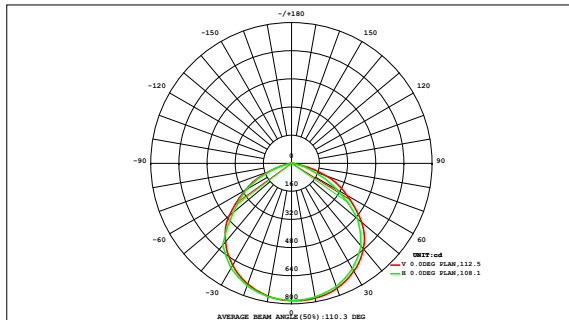
Luminaire Efficiency (Light Output Ratio)	79.5 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:05 July 2022

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	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega30Slim	Imax (cd)	782.1
NOMINAL POWER (W)	30	AVAILABILITY (%)	78.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	2119
NOMINAL FLUX (lm)	2700	LOR (%)	79.5
LAMPS INSIDE	1	TOTAL FLUX (lm)	2145
TEST VOLTAGE (V)	230	θ @50% (H,V)	113,108DEG

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	0.03	0.00
90	0.00	0.01	0.05	0.21	0.55	0.94	1.28	1.61	1.76	1.77	1.65	1.40	1.02	0.64	0.28	0.08	0.01	0.00	13.3	6.58
80	0.00	0.02	0.26	1.06	2.25	3.46	4.73	5.70	6.14	6.15	5.73	4.84	3.65	2.33	1.17	0.34	0.04	0.00	47.9	45.3
70	0.00	0.08	0.84	2.52	4.53	6.77	8.99	10.4	11.1	11.1	10.3	8.96	6.93	4.64	2.58	0.91	0.12	0.00	90.7	89.7
60	0.00	0.20	1.60	4.02	6.82	10.2	12.8	14.6	15.6	15.6	14.6	12.8	10.2	7.04	4.06	1.68	0.27	0.01	132	131
50	0.01	0.41	2.41	5.48	9.33	13.5	16.6	18.9	20.0	19.9	18.7	16.4	13.3	9.45	5.50	2.42	0.44	0.01	173	172
40	0.01	0.56	2.89	6.26	10.7	14.9	18.2	20.6	21.7	21.7	20.4	17.9	14.6	10.7	6.33	2.89	0.58	0.01	191	191
30	0.01	0.70	3.22	6.85	11.6	15.9	19.3	21.8	23.0	22.9	21.6	19.0	15.6	11.5	6.92	3.18	0.69	0.02	204	203
20	0.02	0.76	3.37	7.17	12.0	16.4	19.9	22.4	23.6	23.5	22.2	19.6	16.1	11.9	7.25	3.35	0.76	0.02	210	210
10	0.02	0.77	3.39	7.20	12.0	16.4	19.9	22.4	23.6	23.5	22.2	19.6	16.1	11.9	7.24	3.34	0.76	0.02	210	210
0	0.02	0.72	3.22	6.91	11.6	15.9	19.4	21.8	23.0	23.0	21.6	19.1	15.6	11.5	6.94	3.19	0.68	0.02	204	204
-10	0.01	0.61	2.91	6.36	10.7	15.0	18.3	20.7	21.9	21.8	20.5	18.1	14.7	10.7	6.33	2.88	0.56	0.01	192	192
-20	0.01	0.48	2.42	5.51	9.38	13.4	16.6	18.8	19.9	19.8	18.6	16.3	13.2	9.47	5.43	2.41	0.41	0.01	172	172
-30	0.00	0.31	1.78	4.36	7.52	11.0	14.0	15.9	16.9	16.8	15.8	13.7	11.0	7.54	4.29	1.71	0.25	0.01	143	142
-40	0.00	0.15	1.01	2.83	5.04	7.55	9.87	11.4	12.1	12.1	11.3	9.74	7.57	4.92	2.77	0.90	0.11	0.00	99.3	98.5
-50	0.00	0.04	0.36	1.19	2.40	3.67	4.97	5.90	6.34	6.32	5.84	4.96	3.59	2.30	1.08	0.27	0.03	0.00	49.3	47.0
-60	0.00	0.01	0.04	0.23	0.62	1.03	1.39	1.75	1.89	1.88	1.71	1.35	0.93	0.53	0.19	0.05	0.01	0.00	13.6	4.65
-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	0.12	5.83	29.8	68.2	117	166	206	234	248	248	233	204	164	117	68.4	29.6	5.72	0.15	2145	---
Φ a	0.00	4.35	28.0	66.6	115	164	205	233	247	246	231	202	162	115	66.7	27.8	4.16	0.00	---	2119

one-half-peak spread: U:55.3,D:53.2 , L:54.4,R:58.6

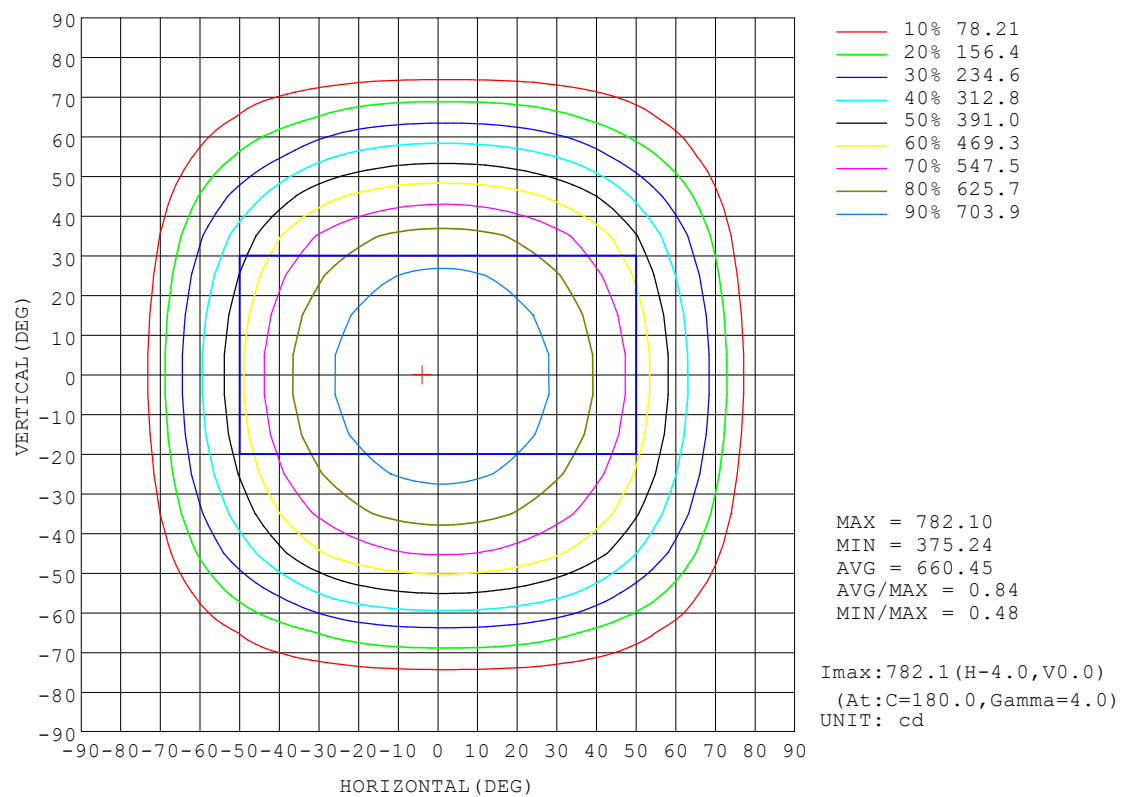
NEMA Beam Type: Type 7

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	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

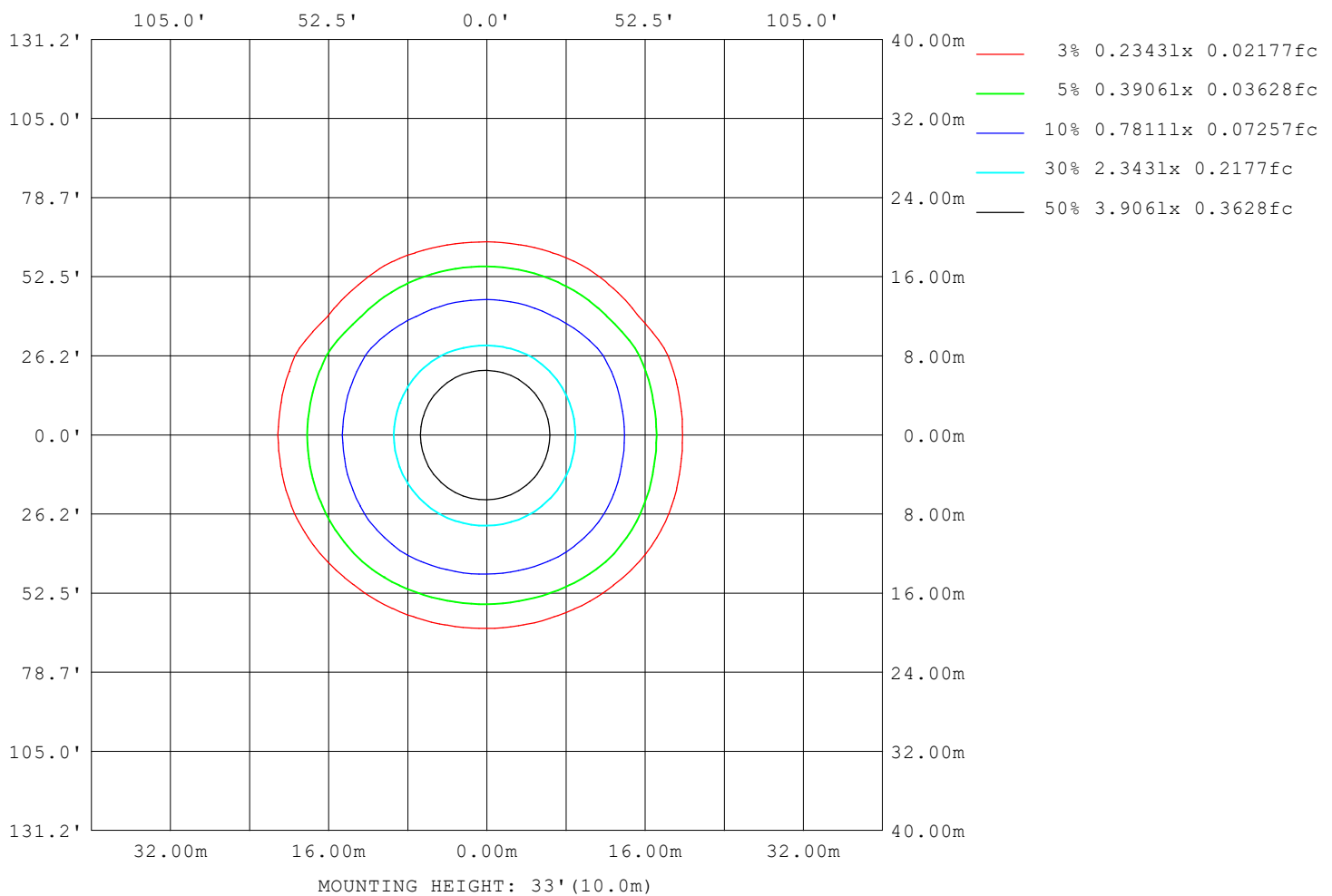


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:05 July 2022

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

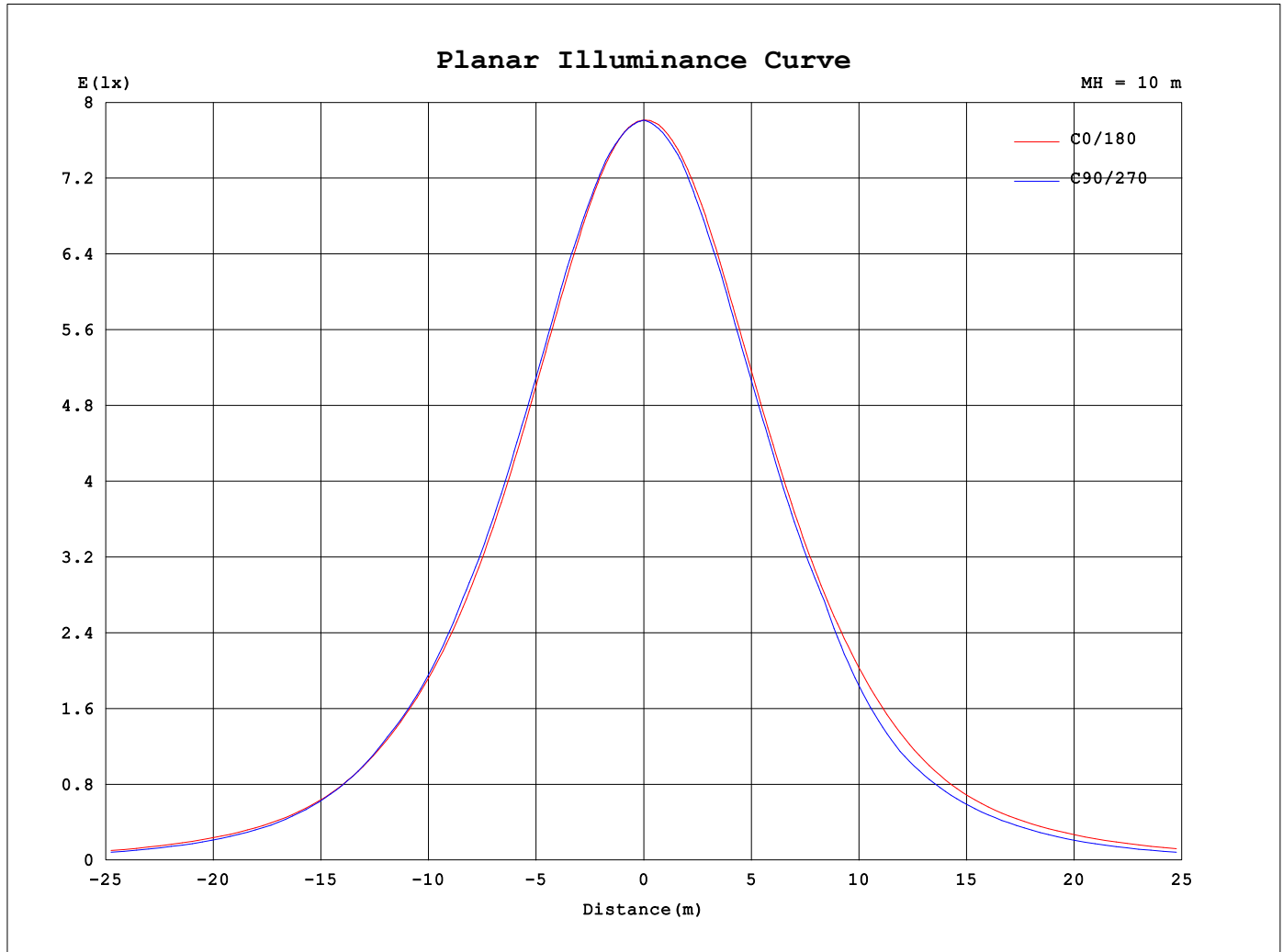
NAME: 98Vega30Slim	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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

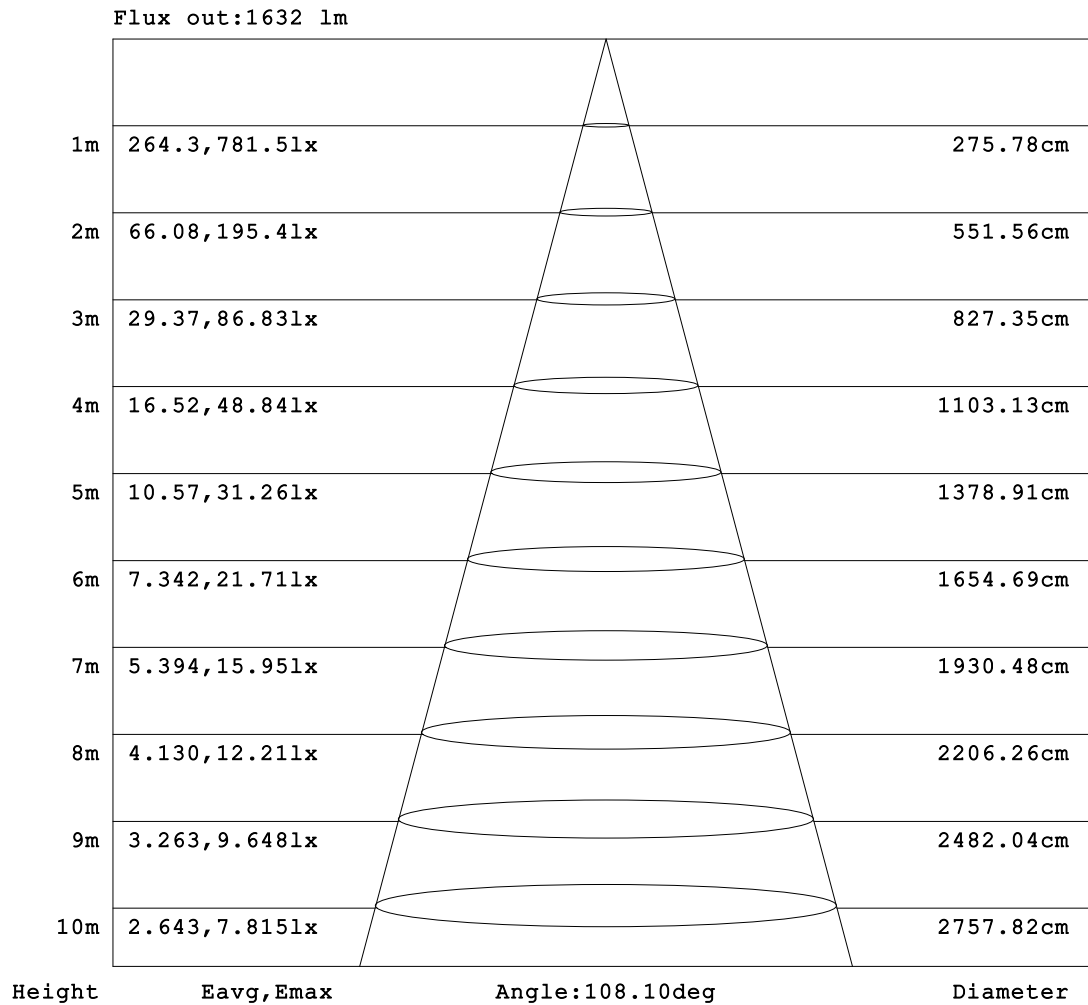


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:05 July 2022

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	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	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( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	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	0.63	0.65	0.61	0.60	0.75	0.97	1.46	1.90	2.82	3.59	4.85	5.70	6.90	7.49	8.13	8.48	8.88	9.06	9.14
-75	0.69	0.65	0.66	0.74	1.23	2.24	5.50	10.3	19.5	26.6	35.9	42.0	48.5	52.2	59.2	63.2	66.5	67.9	68.8
-70	0.67	0.67	0.87	1.40	3.74	7.25	19.1	30.1	50.3	62.4	79.1	87.3	97.5	106	118	123	127	128	128
-65	0.73	0.68	0.80	1.33	5.12	12.5	33.2	52.6	80.6	100.0	123	138	159	173	190	199	207	211	213
-60	0.70	0.76	1.79	5.15	21.3	43.0	86.2	111	150	170	196	217	249	265	279	287	294	297	297
-55	0.78	0.72	1.14	3.16	19.0	44.7	94.9	131	179	208	246	274	315	338	361	372	385	390	394
-50	0.75	0.95	4.52	16.4	68.1	113	175	217	266	297	351	387	427	445	466	476	486	490	489
-45	0.85	0.77	1.76	7.09	46.4	93.7	167	214	274	311	372	412	462	486	514	528	543	549	554
-40	0.79	1.21	9.66	38.7	119	172	252	294	356	405	473	507	545	566	590	601	612	616	616
-35	0.92	0.81	2.63	13.3	79.3	138	225	276	344	392	469	511	558	582	612	628	644	651	656
-30	0.83	1.48	17.0	63.9	156	220	301	348	428	483	549	581	620	641	665	677	689	693	693
-25	0.97	0.85	3.64	20.9	105	171	267	319	397	455	534	574	620	645	676	692	708	715	720
-20	0.87	1.88	24.9	80.8	185	255	337	391	482	537	600	631	671	692	718	730	742	746	746
-15	1.02	0.88	4.55	28.3	124	194	292	347	434	496	574	613	659	685	716	732	748	755	760
-10	0.89	2.16	31.8	96.4	203	272	357	415	511	565	626	658	698	720	745	757	769	773	773
-5	1.05	0.91	5.30	33.2	135	207	305	361	453	516	593	631	678	704	735	751	767	774	778
0	0.94	2.37	34.6	101	211	279	365	425	522	575	636	668	709	730	756	769	779	782	781
5	1.08	0.94	5.40	33.6	135	207	305	360	453	516	592	631	678	703	734	750	767	774	777
10	0.95	2.26	32.7	96.7	203	272	356	415	510	564	625	657	697	719	745	757	768	772	772
15	1.10	0.96	4.79	29.1	126	195	292	346	432	495	572	611	657	682	713	729	746	753	757
20	0.97	2.06	25.5	84.0	186	254	335	388	479	534	596	627	667	688	713	726	738	742	741
25	1.11	0.97	3.95	21.5	107	172	266	318	395	452	531	571	617	642	672	688	704	711	716
30	0.98	1.69	17.4	63.0	157	220	300	347	426	481	546	577	616	638	662	674	685	689	689
35	1.12	0.99	2.97	14.1	80.7	140	225	275	342	390	465	506	553	578	607	622	638	645	650
40	0.99	1.45	10.7	42.3	122	172	251	293	353	400	467	501	539	559	582	594	605	609	609
45	1.13	1.00	2.10	7.92	48.4	93.2	161	205	261	295	352	390	436	458	483	496	511	517	521
50	1.01	1.23	5.15	17.6	63.9	105	159	195	237	265	313	343	376	392	411	420	429	432	433
55	1.11	1.01	1.48	3.75	20.0	44.6	91.4	124	167	194	229	254	291	312	334	344	356	360	364
60	1.02	1.07	2.35	6.26	25.3	48.7	88.6	112	150	169	195	215	248	263	278	285	292	294	295
65	1.10	1.02	1.15	1.83	6.12	15.2	36.7	55.3	82.7	101	123	137	158	172	189	198	205	209	211
70	1.03	1.00	1.31	1.93	5.11	9.16	22.1	34.2	53.3	63.1	79.0	86.7	96.7	105	117	121	125	126	127
75	1.08	1.03	1.03	1.15	1.79	3.20	7.16	12.1	21.9	28.8	37.3	43.2	49.7	53.4	60.5	64.4	67.6	68.8	69.6
80	1.03	1.03	0.99	1.03	1.28	1.57	2.18	2.86	4.37	5.55	7.44	8.66	10.1	10.8	11.6	12.1	12.4	12.5	12.6
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( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) 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	TYPE: 98Vega30Slim	WEIGHT: 0.286
SPEC.:	DIM.: 0.185x0.095x0.08	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	9.13	8.96	8.75	8.29	7.84	6.77	5.91	4.56	3.65	2.40	1.80	1.22	0.93	0.69	0.66	0.72	0.72	0.53	
-75	68.8	67.9	66.7	63.8	61.0	53.7	49.0	42.7	37.4	26.8	20.0	11.4	6.70	2.70	1.37	0.81	0.71	0.68	
-70	128	124	121	114	105	91.2	83.8	70.3	57.0	37.6	26.0	12.2	6.49	2.05	1.18	0.71	0.70	0.55	
-65	213	210	207	199	191	175	163	139	124	100.0	82.9	52.6	34.7	14.0	6.01	1.46	0.82	0.67	
-60	296	289	282	269	257	234	211	178	159	128	98.6	57.2	33.0	9.97	3.46	0.94	0.70	0.59	
-55	393	389	383	370	358	336	317	279	250	207	180	132	95.7	46.5	21.6	3.71	1.18	0.67	
-50	486	477	467	447	431	400	375	322	283	232	199	134	90.4	33.1	10.3	1.42	0.73	0.65	
-45	553	547	539	522	507	479	456	415	379	314	273	214	169	91.7	48.0	8.26	1.87	0.68	
-40	612	601	590	567	548	513	485	436	389	313	269	203	144	62.8	22.6	2.33	0.78	0.72	
-35	655	648	639	621	604	574	549	505	470	400	346	272	225	137	78.3	14.9	2.93	0.69	
-30	689	678	666	642	621	585	556	504	463	379	323	247	193	93.8	37.6	3.52	0.86	0.79	
-25	720	712	703	684	667	635	609	564	528	462	404	315	262	175	103	22.6	4.08	0.71	
-20	742	729	717	693	673	634	604	551	510	428	363	277	222	112	49.5	4.65	0.93	0.84	
-15	759	752	743	724	706	674	647	601	564	499	442	344	286	198	123	29.9	5.29	0.73	
-10	769	756	745	720	699	661	630	576	535	456	389	296	239	133	60.6	5.93	1.00	0.89	
-5	777	770	762	742	725	692	665	618	581	517	461	360	299	209	135	34.9	6.17	0.76	
0	778	767	755	730	709	670	639	585	544	465	397	302	244	137	65.1	6.41	1.05	0.91	
5	776	770	761	742	725	692	665	617	581	516	460	359	299	209	135	35.0	6.23	0.79	
10	768	755	743	719	698	659	629	576	535	455	388	296	239	133	60.9	6.05	1.07	0.95	
15	756	750	741	721	704	671	645	598	561	497	439	343	285	197	123	30.0	5.43	0.81	
20	738	726	713	689	668	630	600	547	506	424	360	275	221	112	49.9	4.81	1.02	0.97	
25	715	708	699	680	663	631	605	559	524	458	399	312	260	173	102	22.6	4.28	0.84	
30	685	673	661	637	617	581	552	501	459	375	320	246	192	92.6	36.8	3.75	1.00	1.00	
35	649	642	634	615	599	568	544	500	465	395	342	269	223	137	78.1	15.0	3.14	0.87	
40	605	595	583	560	542	506	479	429	382	308	265	201	143	63.5	23.1	2.53	0.96	1.02	
45	521	516	508	492	479	452	430	391	357	296	258	203	161	88.4	47.3	8.44	2.08	0.90	
50	430	422	414	397	382	354	332	286	251	207	178	121	81.9	31.2	10.3	1.64	0.93	1.03	
55	364	360	354	342	331	311	293	258	231	192	167	123	89.3	43.5	20.8	3.99	1.42	0.94	
60	293	286	280	266	255	232	209	176	157	127	98.8	57.2	34.1	10.4	3.98	1.19	0.93	1.06	
65	211	208	205	197	189	174	161	138	123	99.8	83.0	53.7	35.2	14.9	6.47	1.80	1.08	0.97	
70	126	123	119	112	104	90.5	83.3	70.6	58.1	38.9	27.9	13.2	7.50	2.51	1.52	0.97	0.97	1.05	
75	69.6	68.8	67.6	64.6	62.0	54.7	50.0	43.6	38.5	28.0	21.1	12.3	7.46	3.36	1.77	1.11	0.98	1.01	
80	12.5	12.2	12.0	11.4	10.9	9.37	8.17	6.28	5.04	3.33	2.45	1.70	1.36	1.03	0.96	0.98	1.01	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( $\beta$ ) Range:-90 - 90DEG

H( $\beta$ ) 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: