

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 150.3H
	At 50% of Imax	108.1V x 112.5H
	At 90% of Imax	56.0V 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 %

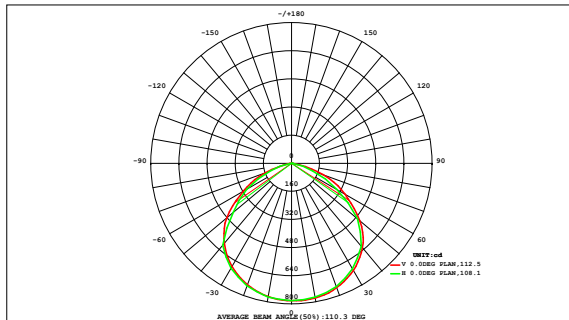
Luminaire Efficiency (Light Output Ratio)	79.5 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

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



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega30Slim	Imax (cd)	782.2
NOMINAL POWER(W)	30	AVAILABILITY (%)	78.5
RATED VOLTAGE (V)	230	Avai. FLUX(lm)	2120
NOMINAL FLUX(lm)	2700	LOR (%)	79.5
LAMPS INSIDE	1	TOTAL FLUX(lm)	2146
TEST VOLTAGE (V)	230	θ @50% (H,V)	112,108DEG

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	0.00	0.00
90	0.00	0.01	0.05	0.23	0.57	0.96	1.30	1.62	1.76	1.77	1.64	1.38	1.00	0.62	0.26	0.07	0.01	0.00	13.3	6.59
80	0.00	0.02	0.27	1.09	2.28	3.50	4.76	5.72	6.15	6.15	5.72	4.83	3.62	2.31	1.14	0.31	0.03	0.00	47.9	45.4
70	0.00	0.08	0.86	2.55	4.56	6.79	9.01	10.4	11.1	11.1	10.3	8.96	6.92	4.60	2.57	0.87	0.10	0.00	90.8	89.8
60	0.00	0.20	1.63	4.05	6.85	10.2	12.8	14.7	15.6	15.6	14.6	12.7	10.2	7.00	4.05	1.65	0.24	0.00	132	132
50	0.00	0.39	2.43	5.50	9.36	13.5	16.6	18.9	20.0	19.9	18.7	16.4	13.3	9.47	5.47	2.42	0.40	0.01	173	172
40	0.00	0.55	2.90	6.26	10.7	14.9	18.2	20.6	21.7	21.7	20.4	18.0	14.6	10.7	6.30	2.90	0.54	0.01	191	191
30	0.01	0.67	3.23	6.85	11.6	15.9	19.3	21.8	23.0	22.9	21.6	19.1	15.6	11.5	6.91	3.19	0.65	0.01	204	203
20	0.01	0.73	3.39	7.16	12.0	16.4	19.9	22.4	23.6	23.5	22.2	19.6	16.1	11.9	7.25	3.36	0.73	0.01	210	210
10	0.01	0.74	3.40	7.19	12.1	16.4	19.9	22.4	23.6	23.5	22.2	19.6	16.1	11.9	7.25	3.35	0.72	0.01	210	210
0	0.01	0.67	3.23	6.89	11.6	15.9	19.4	21.8	23.0	23.0	21.6	19.1	15.6	11.5	6.95	3.21	0.65	0.01	204	204
-10	0.01	0.55	2.92	6.34	10.8	15.0	18.3	20.7	21.9	21.8	20.5	18.1	14.7	10.8	6.33	2.90	0.52	0.01	192	192
-20	0.00	0.42	2.42	5.49	9.38	13.4	16.6	18.8	19.9	19.8	18.6	16.3	13.2	9.49	5.44	2.43	0.39	0.01	172	172
-30	0.00	0.24	1.77	4.36	7.48	11.1	14.0	15.9	16.9	16.9	15.8	13.8	11.0	7.57	4.31	1.73	0.22	0.00	143	142
-40	0.00	0.10	0.96	2.82	5.00	7.53	9.88	11.4	12.1	12.1	11.3	9.77	7.60	4.95	2.80	0.91	0.09	0.00	99.3	98.4
-50	0.00	0.02	0.29	1.16	2.39	3.63	4.96	5.89	6.34	6.33	5.86	4.98	3.63	2.33	1.12	0.25	0.02	0.00	49.2	46.9
-60	0.00	0.01	0.03	0.18	0.58	1.01	1.36	1.74	1.89	1.88	1.73	1.38	0.96	0.55	0.18	0.04	0.01	0.00	13.5	4.62
-70	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	5.41	29.8	68.1	117	166	206	235	249	248	233	204	164	117	68.3	29.6	5.33	0.09	2146	---
Φ a	0.00	3.71	28.2	66.5	115	164	205	233	247	247	231	202	162	115	66.7	27.9	3.42	0.00	---	2120

one-half-peak spread: U:55.3,D:53.3 , L:53.4,R:59.5

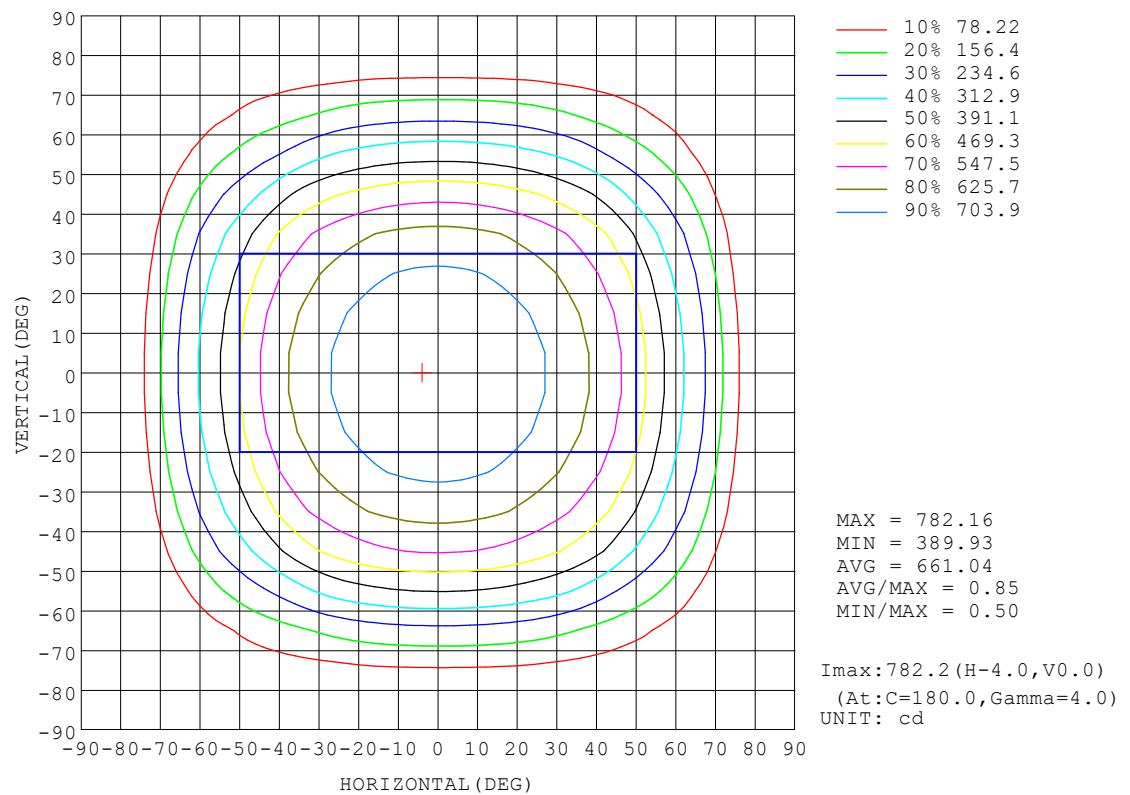
NEMA Beam Type: Type 7

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: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

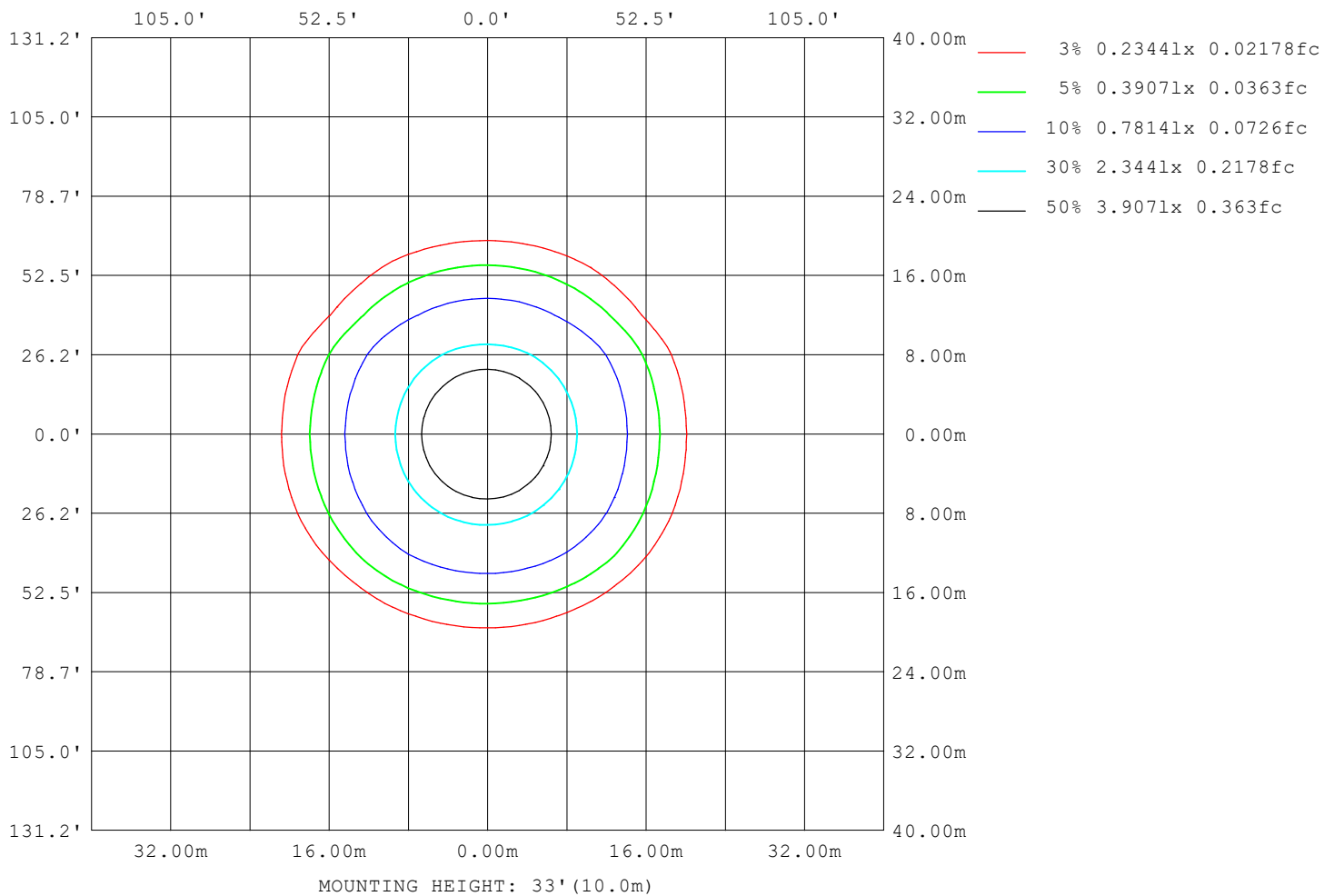


H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

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

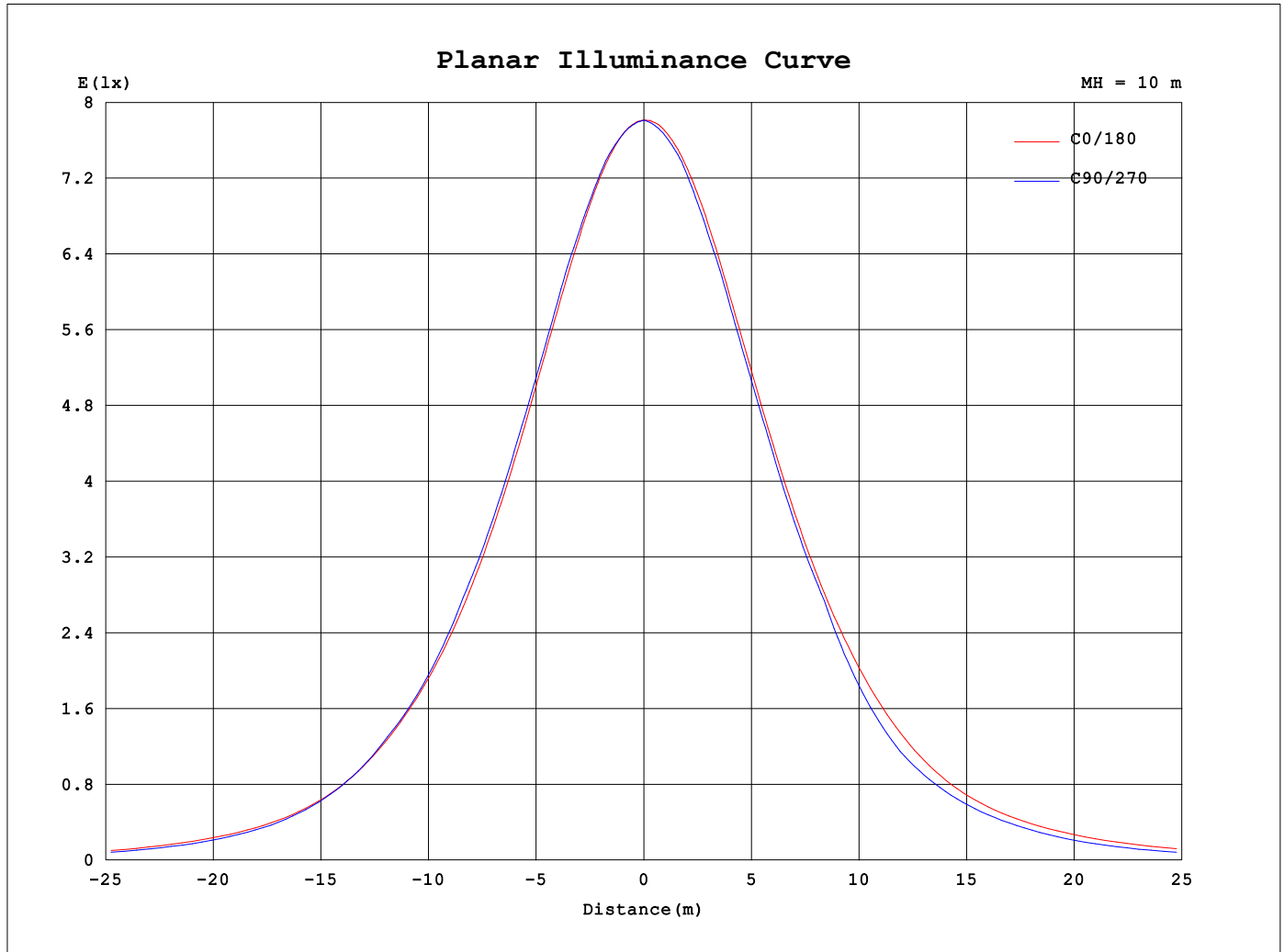
NAME: 98Vega30Slim	TYPE: 98Vega30Slim	WEIGHT: 1
SPEC.:	DIM.: 135x95	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



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

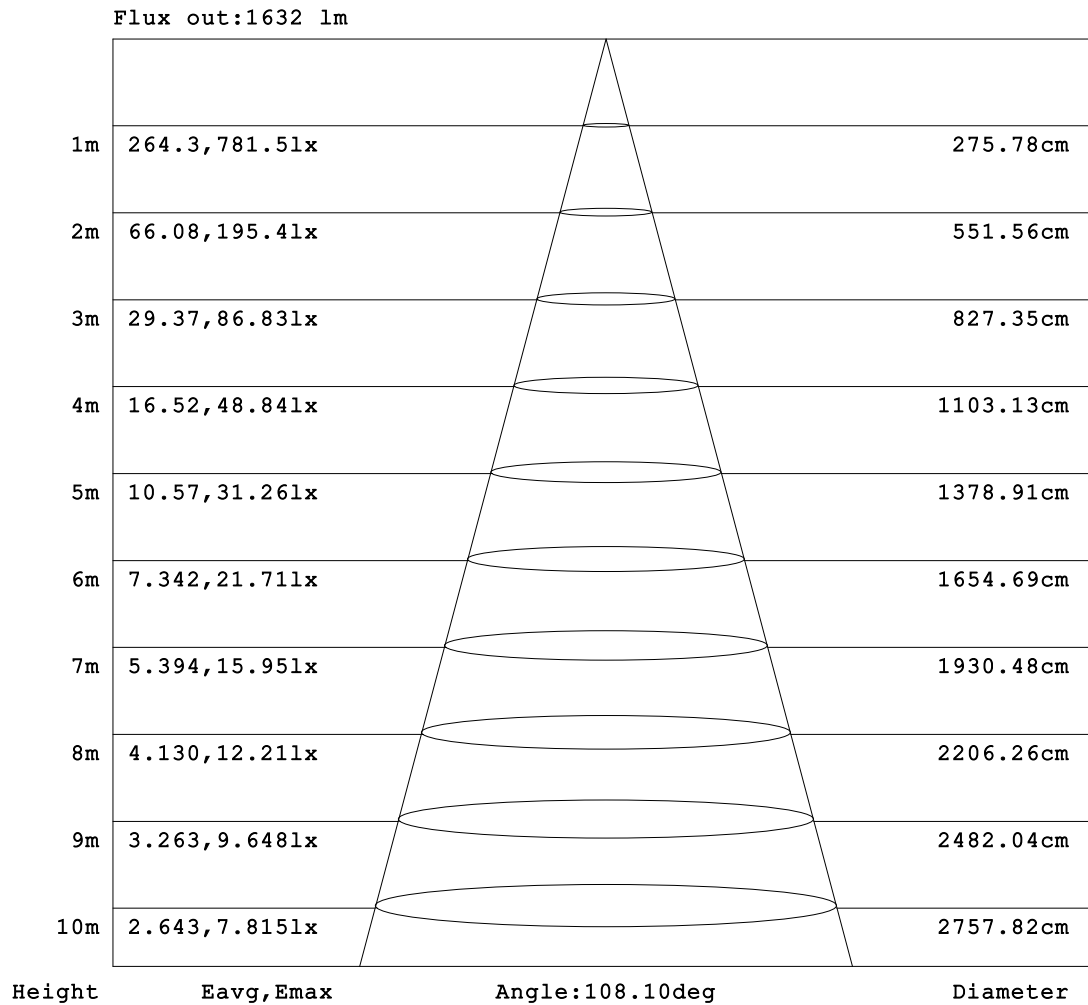


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 July 2022

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

Table--1

UNIT: cd

H(°) \ V(°)	-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	0.62	0.59	0.70	0.90	1.37	1.78	2.63	3.39	4.64	5.48	6.73	7.37	8.03	8.40	8.83	9.03	9.14
-75	0.67	0.65	0.66	0.78	1.36	2.64	6.38	11.6	21.4	28.4	37.4	43.3	49.4	53.2	60.4	64.0	66.9	68.2	68.9
-70	0.66	0.68	0.78	1.22	2.98	6.29	16.5	27.0	47.0	60.0	76.6	85.5	95.8	104	117	122	126	128	129
-65	0.71	0.68	0.86	1.54	6.18	15.2	37.7	57.5	86.0	104	127	141	163	177	193	201	208	211	213
-60	0.70	0.72	1.47	3.77	16.8	36.8	79.2	105	144	165	192	211	245	262	277	285	294	296	298
-55	0.76	0.72	1.34	4.06	23.9	52.4	103	140	187	214	253	281	321	343	364	375	387	391	394
-50	0.75	0.82	3.05	11.3	57.5	102	163	208	258	289	341	379	421	441	463	474	485	489	490
-45	0.82	0.76	2.25	9.65	57.1	106	179	225	283	321	382	422	468	491	518	531	545	551	554
-40	0.80	0.95	6.01	27.6	106	158	241	284	345	392	464	500	540	561	586	599	611	616	617
-35	0.88	0.80	3.59	18.6	94.3	152	240	288	355	405	481	520	564	588	617	631	646	652	656
-30	0.84	1.09	10.1	48.9	142	204	289	337	414	470	540	574	614	636	662	675	687	693	694
-25	0.93	0.84	5.08	29.4	123	187	281	332	411	470	546	583	627	651	680	695	710	717	721
-20	0.87	1.24	14.9	63.7	167	239	324	376	467	524	591	624	665	687	714	728	740	745	747
-15	0.97	0.88	6.34	39.8	142	213	306	360	450	511	585	621	666	690	720	735	750	757	761
-10	0.89	1.33	18.9	77.7	183	257	343	399	495	553	618	650	692	715	742	754	767	773	773
-5	1.00	0.92	7.46	46.3	153	226	319	375	469	531	604	640	685	709	739	754	769	775	778
0	0.92	1.44	21.4	81.6	191	265	351	409	507	564	628	661	703	725	752	766	778	781	781
5	1.03	0.96	7.58	46.7	153	226	319	374	469	531	603	639	685	709	738	754	769	775	777
10	0.94	1.41	19.6	78.1	184	257	343	399	495	552	616	650	692	714	741	754	767	771	772
15	1.05	0.96	6.63	40.7	144	213	306	359	448	510	583	619	664	688	717	732	748	754	757
20	0.97	1.36	15.4	65.9	169	239	323	374	464	521	588	620	661	684	710	723	737	741	742
25	1.07	0.96	5.44	29.8	124	188	280	330	409	467	542	579	623	648	676	691	707	713	716
30	0.99	1.26	10.8	48.1	143	204	288	335	411	468	537	570	610	633	658	671	684	688	690
35	1.08	0.97	4.01	19.5	95.7	153	239	287	353	402	476	515	560	583	611	625	641	646	650
40	1.01	1.17	6.43	31.2	109	159	240	282	342	388	457	493	533	554	579	591	604	608	609
45	1.09	0.98	2.64	10.8	58.6	105	172	215	269	304	362	399	442	462	487	499	513	518	521
50	1.03	1.07	3.64	12.1	54.4	94.8	149	187	231	257	305	337	372	388	408	418	428	431	433
55	1.09	1.00	1.70	4.74	24.7	52.1	98.3	132	174	200	235	260	297	317	337	346	357	361	364
60	1.04	1.01	1.89	4.87	19.9	42.6	81.6	106	144	165	190	210	243	260	276	283	291	294	295
65	1.08	1.01	1.24	2.12	7.35	18.4	40.7	60.1	87.7	106	127	140	162	176	192	199	206	209	211
70	1.04	1.00	1.20	1.72	4.21	7.81	19.5	30.9	50.1	60.7	76.8	84.9	94.9	103	116	121	125	126	127
75	1.07	1.02	1.04	1.20	1.99	3.68	8.24	13.5	23.4	30.6	38.9	44.5	50.6	54.4	61.7	65.2	67.9	69.0	69.6
80	1.04	1.03	1.00	1.01	1.22	1.48	2.05	2.65	4.08	5.25	7.12	8.36	9.95	10.7	11.5	12.0	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(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	TYPE: 98Vega30Slim	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	9.14	9.00	8.81	8.38	7.99	6.97	6.13	4.79	3.87	2.58	1.92	1.30	0.99	0.71	0.66	0.71	0.74	0.57	
-75	68.8	67.7	66.3	63.2	60.1	52.4	47.9	41.7	35.7	25.0	18.2	10.1	5.67	2.21	1.20	0.76	0.71	0.65	
-70	128	125	122	115	107	93.1	85.7	73.6	60.4	41.0	28.4	14.2	7.48	2.37	1.33	0.72	0.71	0.58	
-65	213	210	206	197	189	173	159	136	120	95.9	77.9	47.9	30.2	11.3	4.70	1.19	0.75	0.65	
-60	296	291	284	271	260	239	217	182	164	135	106	64.2	38.2	12.3	4.51	1.08	0.71	0.61	
-55	393	388	381	367	355	332	311	272	242	201	173	124	86.3	39.1	16.3	2.59	0.95	0.66	
-50	487	479	470	451	435	406	382	332	292	240	208	146	101	41.3	13.3	1.74	0.77	0.65	
-45	552	545	537	519	503	474	450	407	369	303	263	204	157	79.4	37.9	5.27	1.28	0.68	
-40	614	604	593	571	553	520	493	446	402	325	280	216	161	74.8	30.0	3.20	0.88	0.71	
-35	654	646	637	617	600	568	542	497	460	387	333	261	213	121	64.4	9.22	1.75	0.70	
-30	690	680	669	647	627	591	564	514	475	394	336	260	209	110	49.1	5.01	1.02	0.76	
-25	719	710	701	681	663	629	602	555	518	449	388	301	249	157	85.9	14.0	2.39	0.71	
-20	743	732	721	698	678	641	612	561	521	444	379	290	236	130	62.7	6.55	1.14	0.80	
-15	759	750	740	720	702	668	640	592	554	487	426	329	273	180	104	19.2	3.06	0.73	
-10	770	759	748	725	704	668	639	586	546	472	406	310	253	152	76.2	8.47	1.26	0.84	
-5	776	769	759	738	720	686	658	609	571	505	444	343	284	192	116	22.6	3.46	0.75	
0	779	769	758	735	715	677	647	595	555	481	414	316	258	157	80.9	9.28	1.31	0.86	
5	776	768	759	738	720	686	657	609	571	504	444	343	284	192	116	22.7	3.51	0.78	
10	769	758	747	724	704	667	637	586	546	471	405	310	253	152	76.4	8.64	1.33	0.90	
15	756	748	738	717	699	665	638	589	552	485	423	327	272	180	104	19.2	3.19	0.81	
20	739	728	717	693	674	637	608	556	517	440	375	288	235	130	63.4	6.71	1.24	0.92	
25	714	706	697	676	658	625	599	551	514	445	384	299	248	156	85.6	14.2	2.57	0.85	
30	686	676	665	642	623	588	560	510	471	390	333	258	207	108	48.0	5.25	1.17	0.95	
35	648	640	631	611	594	563	537	492	455	382	329	258	211	121	64.0	9.46	1.95	0.88	
40	607	597	586	565	547	513	486	439	395	320	276	213	159	75.8	30.6	3.40	1.06	0.98	
45	521	514	506	489	475	447	424	384	348	286	248	194	150	77.0	37.7	5.40	1.48	0.92	
50	432	424	416	400	386	359	338	294	259	214	185	132	91.9	38.2	13.1	1.98	0.97	1.00	
55	363	359	353	340	328	307	288	251	224	186	160	116	80.7	36.6	16.1	2.88	1.17	0.96	
60	293	288	282	269	258	237	215	181	162	133	106	63.9	39.3	12.7	5.10	1.33	0.93	1.03	
65	210	207	204	195	187	171	158	134	119	95.8	78.5	49.0	30.9	12.1	5.14	1.48	1.00	0.99	
70	126	124	120	114	106	92.5	85.1	73.4	61.4	41.8	30.8	15.2	8.48	2.92	1.68	0.99	0.96	1.03	
75	69.6	68.5	67.2	64.1	61.1	53.4	48.8	42.5	36.9	26.3	19.5	10.9	6.42	2.82	1.55	1.05	0.97	1.02	
80	12.5	12.3	12.0	11.5	11.1	9.66	8.48	6.60	5.34	3.58	2.63	1.80	1.44	1.07	0.97	0.98	1.01	1.04	
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: