

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	513.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-1.5 degrees horizontal

Beam Spread	At 10% of Imax	151.0V x 153.9H
	At 50% of Imax	115.0V x 115.4H
	At 90% of Imax	52.3V x 54.1H

Beam Flux	Total	1450.0 lumens per klm.
	To 10% of Imax	1435.6 lumens per klm.
	To 50% of Imax	1142.4 lumens per klm.
	To 90% of Imax	330.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	145.0 %

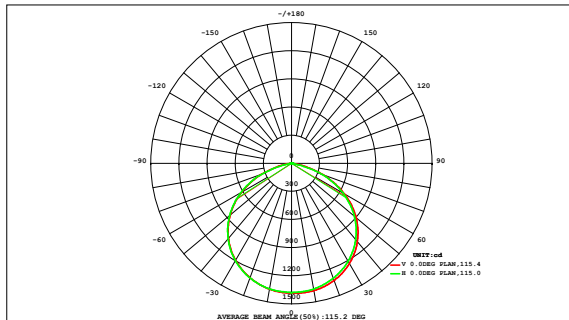
Luminaire Efficiency (Light Output Ratio)	145.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega50Slim	Imax (cd)	1387
NOMINAL POWER (W)	50	AVAILABILITY (%)	143.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	3874
NOMINAL FLUX (lm)	2700	LOR (%)	145.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	3915
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,115DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.03	0.06	0.09	0.13	0.16	0.19	0.21	0.23	0.23	0.20	0.14	0.09	0.05	0.03	0.02	0.01	1.87	0.00
90	0.00	0.03	0.13	0.56	1.29	2.26	3.30	4.25	4.76	4.93	4.74	4.08	2.76	1.25	0.31	0.10	0.03	0.01	34.8	23.9
80	0.01	0.07	0.84	2.94	5.69	8.71	11.5	13.6	14.7	14.6	13.4	11.3	8.61	5.51	2.51	0.56	0.09	0.01	115	112
70	0.01	0.25	2.24	5.80	10.1	14.5	18.4	21.2	22.6	22.4	20.8	17.8	13.9	9.60	5.34	1.93	0.25	0.01	187	186
60	0.01	0.62	3.59	8.25	13.8	19.3	24.1	27.5	29.1	28.9	26.9	23.3	18.5	13.1	7.78	3.26	0.58	0.02	249	248
50	0.01	0.99	4.74	10.3	16.8	23.1	28.6	32.4	34.2	34.0	31.7	27.7	22.2	16.0	9.75	4.41	0.93	0.03	298	297
40	0.02	1.31	5.64	11.9	19.1	26.0	31.9	36.0	37.9	37.7	35.2	30.9	24.9	18.2	11.3	5.29	1.22	0.04	335	334
30	0.02	1.55	6.25	13.0	20.6	28.0	34.1	38.4	40.4	40.1	37.5	33.0	26.8	19.7	12.3	5.89	1.43	0.05	359	359
20	0.02	1.67	6.58	13.6	21.4	29.0	35.2	39.6	41.6	41.3	38.8	34.2	27.9	20.4	12.9	6.19	1.55	0.06	372	372
10	0.02	1.67	6.58	13.6	21.4	28.9	35.2	39.5	41.5	41.4	39.0	34.3	27.9	20.5	12.9	6.20	1.56	0.06	372	372
0	0.02	1.55	6.27	13.1	20.6	27.9	34.0	38.3	40.4	40.3	37.9	33.3	27.1	19.8	12.4	5.92	1.46	0.05	360	360
-10	0.02	1.31	5.66	12.0	19.1	26.0	31.9	36.0	38.1	37.9	35.5	31.2	25.3	18.4	11.4	5.35	1.27	0.04	336	336
-20	0.01	1.00	4.75	10.4	16.9	23.2	28.7	32.5	34.4	34.3	32.0	28.0	22.5	16.2	9.89	4.50	0.99	0.03	300	300
-30	0.01	0.65	3.57	8.32	13.9	19.4	24.2	27.7	29.4	29.2	27.2	23.6	18.8	13.3	7.93	3.42	0.66	0.02	251	250
-40	0.01	0.29	2.23	5.81	10.2	14.6	18.5	21.4	22.9	22.8	21.1	18.1	14.1	9.78	5.60	2.17	0.32	0.01	190	188
-50	0.01	0.09	0.95	3.01	5.91	9.01	11.8	13.8	14.9	14.8	13.6	11.4	8.55	5.54	2.86	0.84	0.10	0.01	117	114
-60	0.00	0.03	0.18	0.74	1.70	2.99	4.18	4.83	5.02	4.78	4.11	3.03	2.02	1.16	0.49	0.13	0.03	0.01	35.4	24.1
-70	0.00	0.01	0.03	0.06	0.09	0.13	0.17	0.19	0.19	0.17	0.16	0.13	0.10	0.07	0.05	0.03	0.02	0.01	1.61	0.00
-80	0.00	0.01	0.03	0.06	0.09	0.13	0.17	0.19	0.19	0.17	0.16	0.13	0.10	0.07	0.05	0.03	0.02	0.01	1.61	0.00
-90	0.00	0.01	0.03	0.06	0.09	0.13	0.17	0.19	0.19	0.17	0.16	0.13	0.10	0.07	0.05	0.03	0.02	0.01	1.61	0.00
HORIZONTAL (DEG)																				
Φ t	0.21	13.1	60.2	133	219	303	376	427	452	450	420	365	292	208	126	56.2	12.5	0.44	3915	---
Φ a	0.00	9.91	57.6	131	216	301	373	425	450	448	418	363	290	206	123	53.6	8.63	0.00	---	3874

one-half-peak spread: U:58.0,D:57.5 , L:57.2,R:58.7

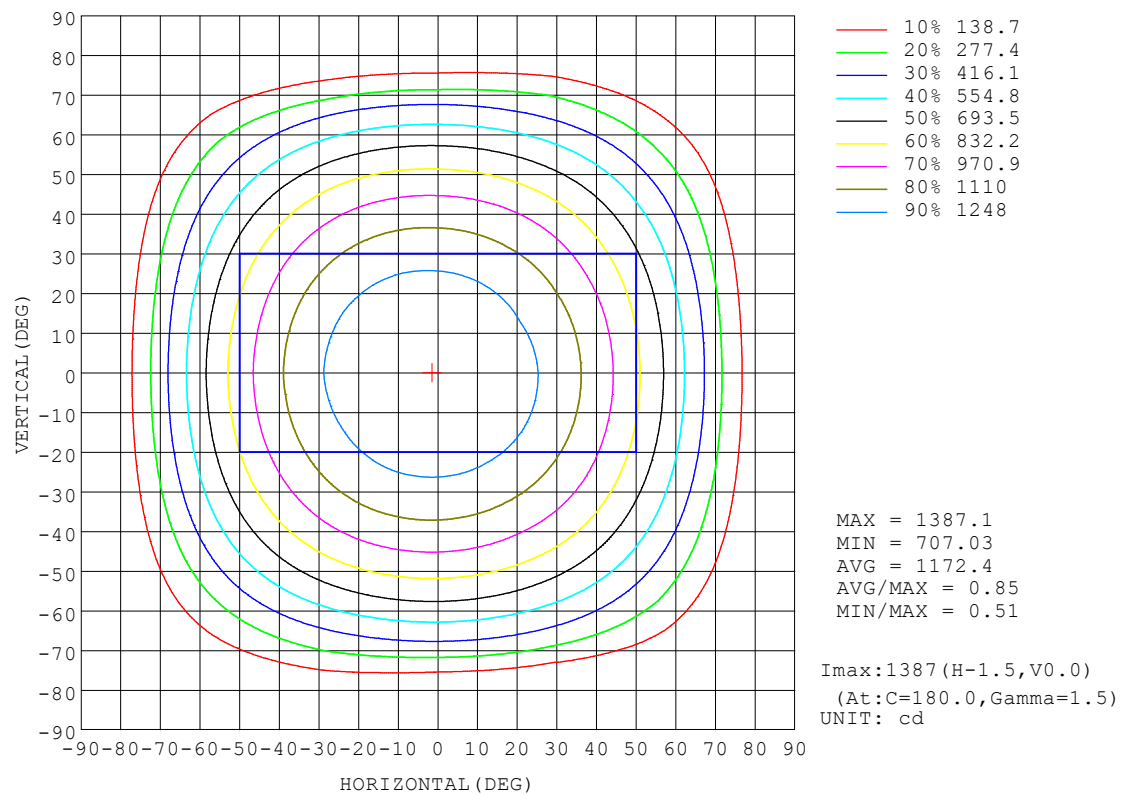
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:

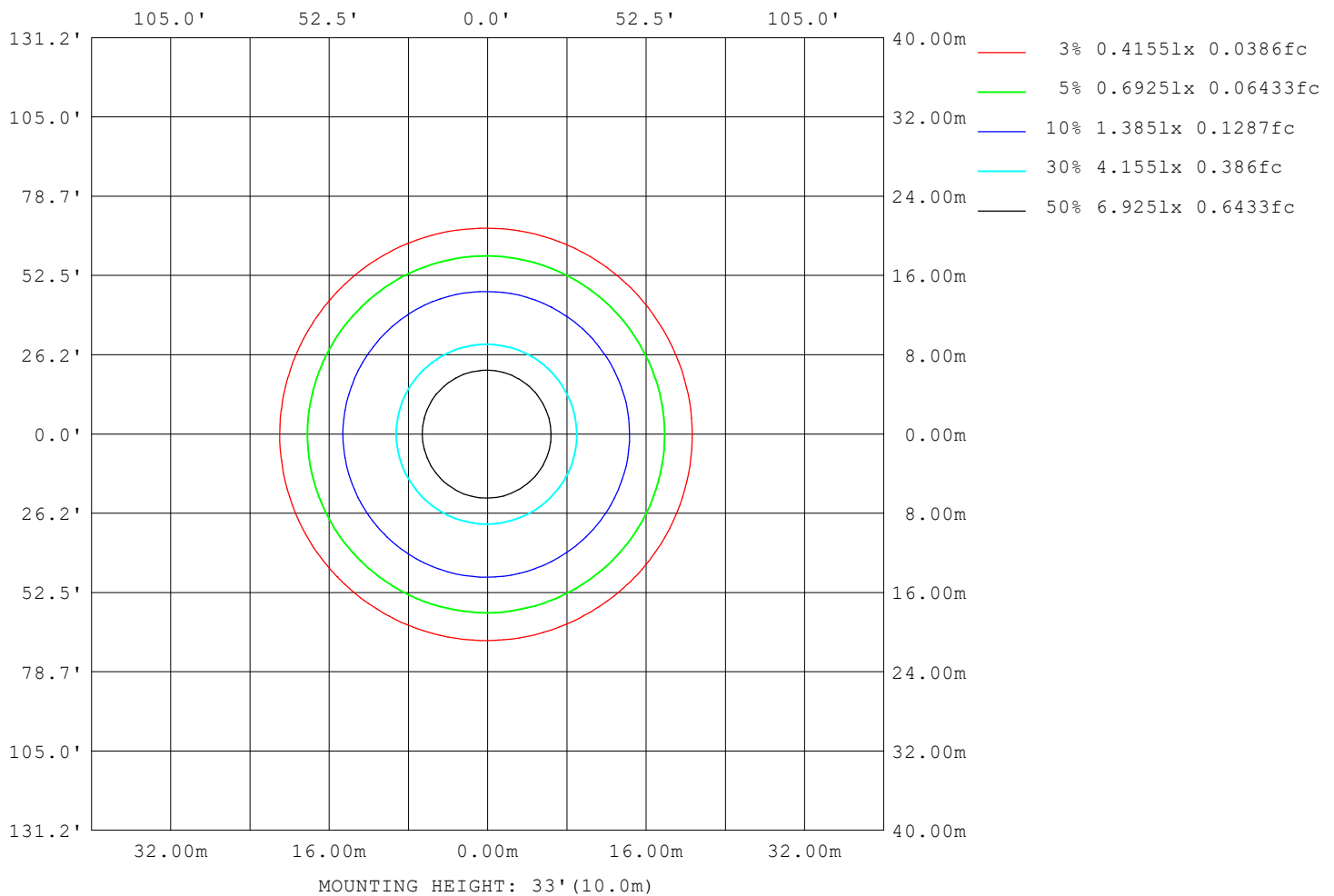


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Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

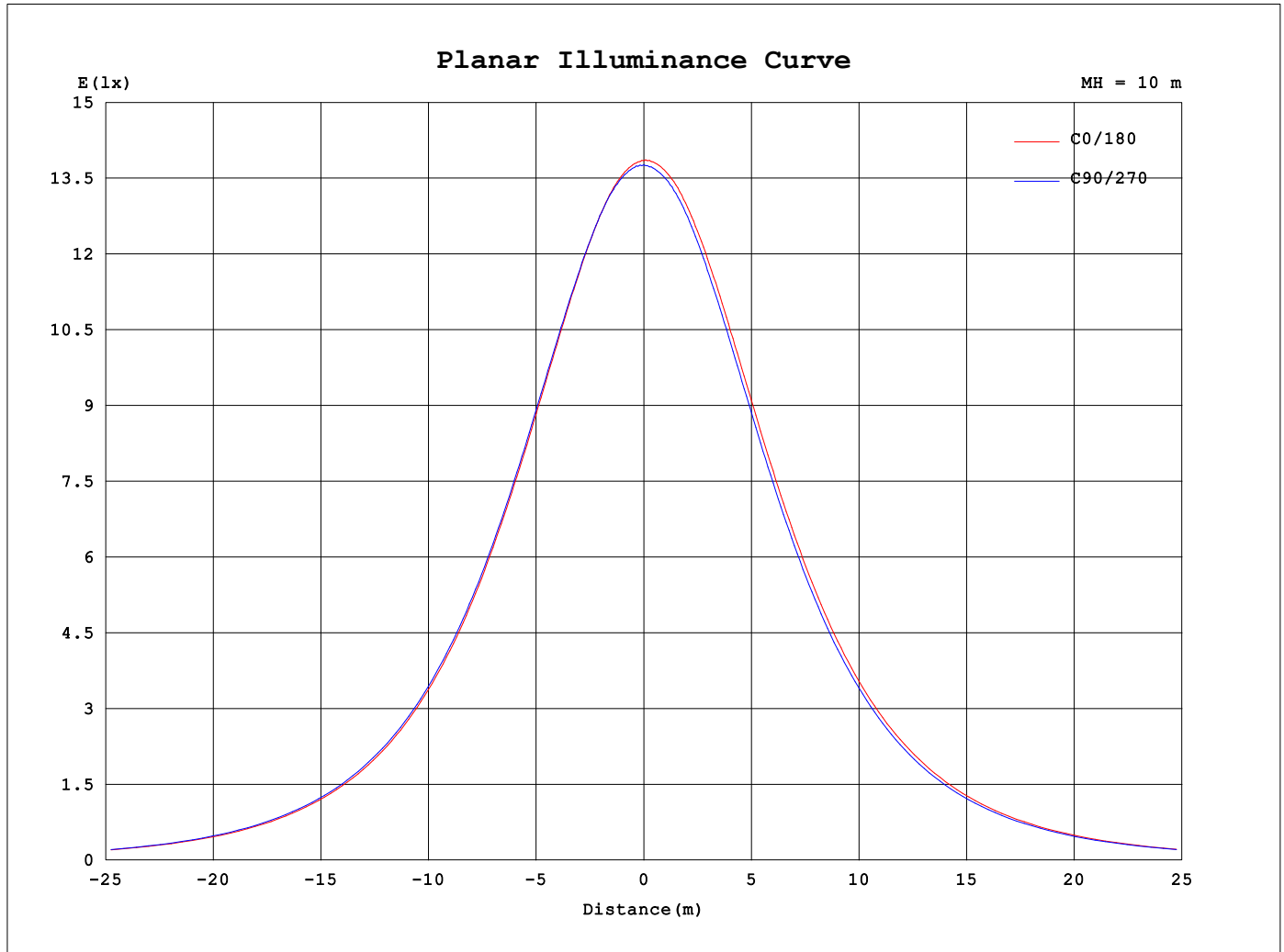
NAME: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
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Test Date: 08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

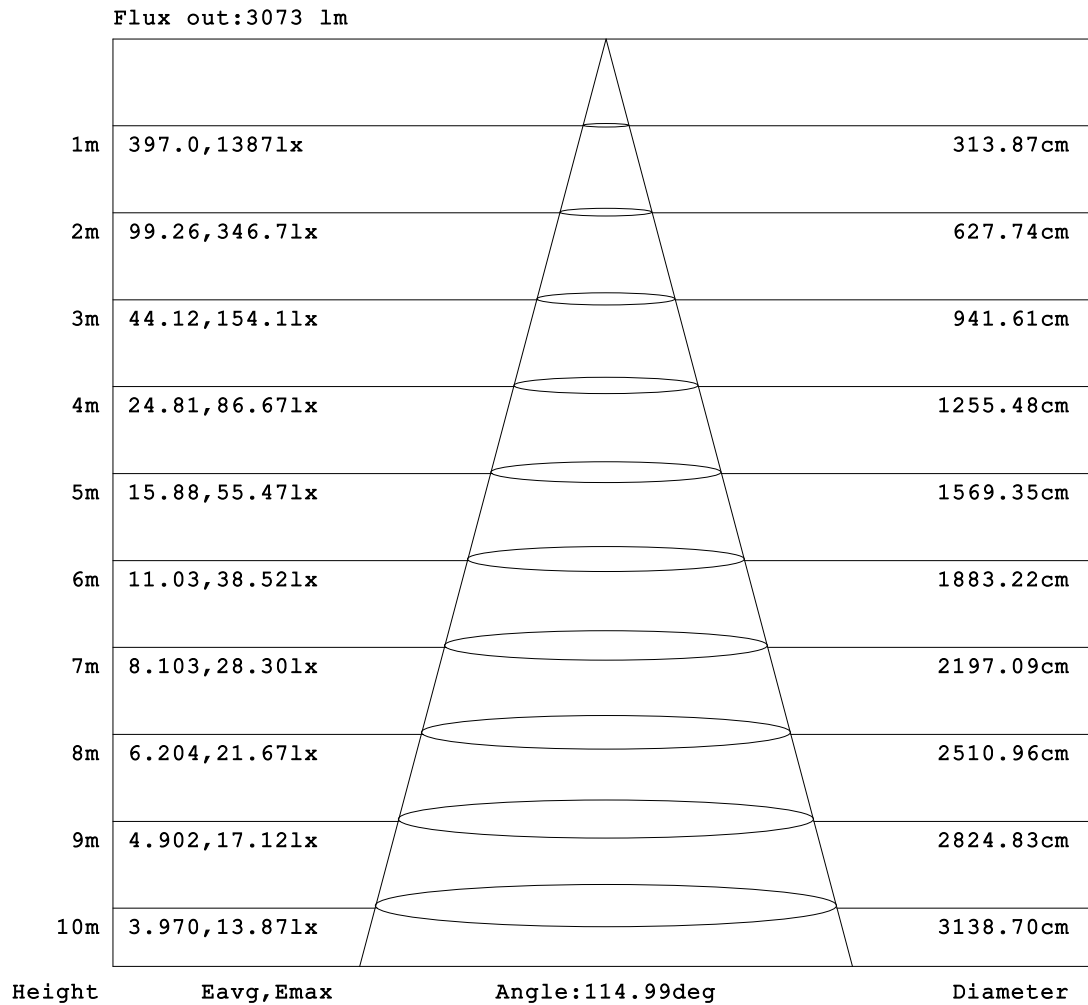


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 08 July 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:

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
-90	1.60	1.64	1.69	1.73	1.78	1.82	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.84
-85	1.60	1.61	1.65	1.76	1.96	2.24	2.59	2.75	2.92	3.09	3.29	3.49	3.66	3.79	3.88	3.91	3.88	3.80	3.66
-80	1.60	1.60	1.82	2.27	2.97	4.05	5.70	7.00	10.1	14.0	16.0	17.9	21.4	26.0	28.1	28.2	26.0	22.0	17.0
-75	1.60	1.64	2.15	3.14	4.99	9.00	21.7	36.7	51.9	71.8	90.3	115	135	149	157	165	167	165	158
-70	1.60	1.73	2.60	4.53	10.9	29.8	60.0	94.4	134	170	207	242	273	294	312	329	341	348	350
-65	1.60	1.85	3.22	7.03	25.1	66.2	125	169	218	274	323	363	398	428	452	472	486	494	496
-60	1.60	1.98	3.95	13.1	48.2	124	179	246	320	378	430	478	520	555	585	607	623	632	634
-55	1.60	2.14	4.66	22.3	89.9	168	245	335	406	473	534	588	635	675	706	731	748	758	760
-50	1.60	2.30	6.39	35.5	136	213	320	407	488	563	631	689	740	783	818	844	862	872	873
-45	1.60	2.47	8.33	62.8	167	272	379	474	564	645	718	781	835	881	917	945	963	974	975
-40	1.60	2.65	10.6	90.9	195	324	433	537	634	720	796	863	920	967	1006	1034	1053	1063	1065
-35	1.60	2.81	13.2	123	230	366	482	594	695	785	865	934	993	1042	1081	1110	1129	1140	1141
-30	1.60	2.95	15.8	142	265	403	526	643	748	842	924	995	1056	1106	1146	1175	1195	1206	1207
-25	1.60	3.06	18.1	156	296	433	563	684	793	891	974	1046	1109	1159	1199	1229	1249	1260	1261
-20	1.60	3.16	22.0	168	319	459	595	719	831	929	1015	1089	1152	1202	1242	1273	1293	1303	1305
-15	1.60	3.23	26.8	177	337	480	619	746	860	960	1047	1123	1186	1236	1276	1305	1325	1336	1337
-10	1.60	3.26	31.2	184	349	495	637	766	882	982	1071	1148	1211	1262	1300	1328	1348	1360	1361
-5	1.60	3.27	33.5	188	356	504	648	779	895	996	1086	1164	1227	1279	1319	1347	1362	1371	1374
0	1.60	3.24	33.7	190	359	508	651	783	900	1002	1093	1171	1235	1288	1329	1359	1379	1385	1385
5	1.60	3.27	33.3	189	356	504	647	778	894	996	1087	1164	1228	1281	1322	1351	1371	1377	1371
10	1.60	3.27	30.6	185	348	495	636	765	881	982	1071	1148	1212	1265	1306	1335	1354	1361	1359
15	1.60	3.23	25.9	178	336	479	618	745	858	959	1048	1124	1187	1240	1280	1308	1327	1336	1335
20	1.60	3.17	20.6	168	318	458	593	717	829	927	1015	1090	1153	1204	1244	1273	1291	1301	1301
25	1.60	3.07	16.4	155	296	431	561	682	790	888	973	1047	1109	1158	1198	1227	1246	1256	1255
30	1.60	2.96	13.4	139	268	401	523	640	744	838	921	994	1055	1104	1142	1171	1190	1199	1198
35	1.60	2.82	10.5	119	235	365	480	590	691	780	861	931	990	1038	1077	1104	1123	1132	1132
40	1.60	2.65	8.23	89.2	200	323	430	533	630	715	791	859	915	962	999	1027	1045	1053	1053
45	1.60	2.46	6.76	58.6	166	275	377	471	560	641	713	776	831	876	912	937	955	964	964
50	1.60	2.29	5.98	31.0	131	223	318	403	484	558	626	684	735	778	811	836	853	861	861
55	1.60	2.10	4.78	15.9	86.1	167	255	332	403	470	529	584	630	669	700	723	739	747	748
60	1.60	1.92	3.98	8.93	42.9	116	182	256	312	373	428	476	517	551	579	600	614	622	623
65	1.60	1.77	3.25	6.62	16.1	58.6	114	164	221	263	305	352	396	428	451	469	481	488	489
70	1.60	1.65	2.58	4.59	8.41	18.1	51.5	83.4	114	149	189	221	240	261	285	305	320	329	331
75	1.60	1.57	2.02	3.17	5.07	8.27	12.3	22.8	38.0	47.4	60.1	75.1	91.7	106	129	144	152	154	153
80	1.60	1.54	1.64	2.07	2.91	4.14	5.79	7.49	9.10	10.7	12.5	14.6	15.5	16.7	17.8	18.6	19.2	19.5	19.5
85	1.60	1.56	1.53	1.54	1.60	1.78	2.15	2.50	2.85	3.18	3.53	3.86	4.17	4.49	4.75	4.95	5.09	5.16	5.16
90	1.60	1.60	1.59	1.59	1.59	1.59	1.58	1.58	1.58	1.57	1.57	1.56	1.56	1.56	1.56	1.57	1.57	1.57	1.58

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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γ Interval: 0.5DEG
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: 98Vega50Slim	TYPE: 98Vega50Slim	WEIGHT: 1
SPEC.:	DIM.: 188x132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 148x94	Shielding Angle:

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	
-90	1.85	1.85	1.85	1.86	1.86	1.86	1.87	1.89	1.90	1.91	1.92	1.93	1.94	1.95	1.95	1.96	1.96	1.97	
-85	3.64	3.57	3.46	3.29	3.08	2.86	2.75	2.63	2.47	2.31	2.13	1.95	1.97	1.97	1.95	1.92	1.93	1.97	
-80	16.9	16.6	16.0	15.1	13.9	12.7	11.8	10.1	8.80	7.43	5.98	4.73	3.75	2.98	2.50	2.16	1.94	1.97	
-75	154	145	134	111	97.2	72.9	63.6	51.7	41.8	32.4	19.2	11.5	8.01	5.28	3.59	2.67	2.04	1.97	
-70	346	336	320	296	265	234	210	175	140	105	76.3	46.2	20.4	10.4	5.47	3.30	2.24	1.97	
-65	491	481	465	444	417	385	350	304	256	214	164	108	58.7	23.1	8.63	4.23	2.52	1.97	
-60	628	616	598	573	542	505	463	415	363	304	247	184	109	51.4	17.1	5.49	2.79	1.97	
-55	754	741	720	692	657	616	569	515	454	389	320	245	165	85.1	29.2	6.96	3.04	1.97	
-50	867	853	831	801	763	719	667	607	540	467	388	303	215	123	48.7	9.60	3.31	1.97	
-45	968	953	929	897	858	812	755	691	619	539	453	361	259	161	69.1	14.8	3.59	1.97	
-40	1057	1041	1016	983	943	893	835	767	690	606	512	412	304	194	89.7	21.5	3.92	1.97	
-35	1134	1118	1092	1058	1017	966	905	834	753	664	565	458	347	221	114	27.4	4.25	1.97	
-30	1200	1184	1158	1124	1080	1027	965	892	808	714	611	499	381	248	131	34.8	4.61	1.97	
-25	1254	1238	1212	1178	1134	1079	1015	940	854	758	651	534	411	273	147	42.3	4.93	1.97	
-20	1298	1282	1257	1222	1177	1121	1056	979	892	793	684	563	435	295	159	49.2	5.24	1.97	
-15	1331	1315	1291	1257	1210	1155	1087	1009	921	820	709	586	454	313	169	54.8	5.49	1.97	
-10	1355	1341	1315	1280	1234	1177	1110	1030	941	839	727	602	468	326	175	58.9	5.67	1.97	
-5	1371	1357	1330	1294	1247	1190	1123	1043	953	850	737	611	475	334	178	61.6	5.79	1.97	
0	1379	1363	1335	1298	1251	1195	1127	1046	957	854	740	614	478	336	178	62.7	5.84	1.97	
5	1363	1347	1323	1288	1242	1187	1121	1040	951	849	736	610	475	333	177	60.6	5.78	1.97	
10	1349	1331	1303	1269	1224	1170	1104	1025	937	836	725	600	466	325	173	57.1	5.65	1.97	
15	1325	1306	1280	1244	1197	1144	1079	1002	915	815	705	582	452	311	166	52.4	5.45	1.97	
20	1291	1273	1247	1210	1165	1110	1045	970	883	786	679	559	432	291	156	46.5	5.20	1.97	
25	1247	1229	1202	1167	1122	1067	1002	929	845	751	645	529	407	266	143	39.6	4.88	1.97	
30	1191	1174	1147	1113	1069	1016	953	879	797	707	604	494	376	238	125	32.7	4.56	1.97	
35	1125	1108	1082	1049	1006	955	893	822	743	655	557	453	342	210	103	26.3	4.21	1.97	
40	1046	1031	1007	975	934	883	823	756	680	595	504	405	296	182	75.9	21.0	3.89	1.97	
45	958	943	920	888	848	800	745	681	609	529	445	354	243	153	54.7	14.5	3.58	1.97	
50	855	841	819	790	752	708	657	598	531	458	379	290	196	109	38.6	9.09	3.33	1.97	
55	742	729	709	682	649	609	561	507	446	380	306	220	153	61.7	24.7	6.53	3.10	1.97	
60	618	607	590	566	536	499	456	408	356	293	221	165	82.0	33.6	16.5	5.25	2.89	1.97	
65	485	475	460	439	412	382	347	304	253	202	153	73.6	30.4	18.3	7.71	4.09	2.61	1.97	
70	330	323	313	300	285	264	232	195	156	100	45.2	17.2	14.2	9.26	5.05	3.29	2.30	1.97	
75	159	162	160	152	141	126	103	73.6	42.2	22.2	11.3	10.2	6.38	4.70	3.45	2.87	2.05	1.97	
80	24.7	28.9	31.6	32.2	30.0	24.8	16.4	12.3	9.93	7.18	5.07	3.92	3.37	2.96	2.81	2.29	1.91	1.97	
85	5.27	5.31	5.28	5.18	5.00	4.79	4.18	3.62	3.13	2.80	2.62	2.64	2.49	2.23	1.98	1.86	1.89	1.97	
90	1.59	1.60	1.61	1.62	1.64	1.65	1.65	1.66	1.66	1.67	1.67	1.68	1.73	1.77	1.82	1.87	1.92	1.97	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks: