

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	291.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.5 degrees horizontal

Beam Spread	At 10% of Imax	163.5V x 165.2H
	At 50% of Imax	113.9V x 111.2H
	At 90% of Imax	50.8V x 46.8H

Beam Flux	Total	843.1 lumens per klm.
	To 10% of Imax	835.7 lumens per klm.
	To 50% of Imax	608.1 lumens per klm.
	To 90% of Imax	153.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	84.3 %

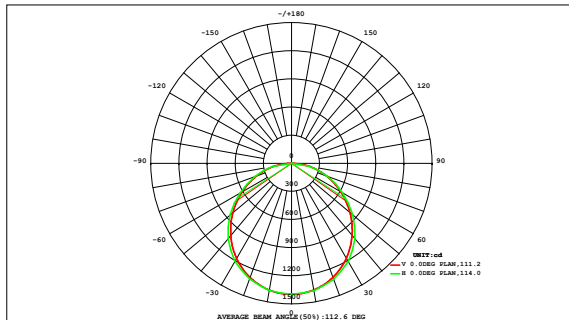
Luminaire Efficiency (Light Output Ratio)	84.6 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 September 2022

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: 92Panel030CW	TYPE: 92Panel030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	92Panel030CW	Imax (cd)	1397
NOMINAL POWER(W)	48	AVAILABILITY (%)	84.0
RATED VOLTAGE (V)	230	Avai. FLUX(lm)	4031
NOMINAL FLUX(lm)	4800	LOR (%)	84.6
LAMPS INSIDE	1	TOTAL FLUX(lm)	4060
TEST VOLTAGE (V)	230	θ @50% (H,V)	111,114DEG

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	0.00	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	0.07	0.62	1.75	3.25	5.00	6.79	8.40	9.60	10.2	10.2	9.58	8.36	6.74	4.93	3.19	1.69	0.58	0.06	91.1	87.6
70	0.12	0.99	2.63	4.91	7.60	10.4	12.9	14.8	15.8	15.8	14.8	12.9	10.3	7.56	4.88	2.60	0.97	0.11	140	138
60	0.18	1.35	3.62	6.79	10.6	14.5	18.1	20.9	22.5	22.5	20.9	18.1	14.5	10.5	6.76	3.59	1.34	0.17	197	196
50	0.23	1.67	4.51	8.51	13.3	18.4	23.1	26.8	28.8	28.8	26.8	23.1	18.4	13.3	8.51	4.49	1.67	0.22	251	250
40	0.27	1.95	5.28	9.99	15.7	21.7	27.4	31.8	34.2	34.2	31.8	27.5	21.8	15.7	10.0	5.26	1.94	0.26	297	296
30	0.30	2.17	5.87	11.2	17.6	24.4	30.7	35.5	38.1	38.1	35.5	30.8	24.5	17.7	11.2	5.89	2.17	0.30	332	332
20	0.32	2.32	6.29	12.0	18.9	26.2	32.9	37.9	40.6	40.7	38.0	32.9	26.3	19.0	12.0	6.31	2.32	0.32	355	355
10	0.32	2.38	6.50	12.4	19.5	27.1	33.9	39.1	41.9	41.9	39.2	34.0	27.2	19.7	12.5	6.53	2.40	0.33	367	367
0	0.31	2.38	6.49	12.4	19.5	27.1	34.0	39.1	41.9	42.0	39.2	34.0	27.2	19.7	12.5	6.52	2.39	0.32	367	367
-10	0.27	2.30	6.26	11.9	18.9	26.2	32.9	38.0	40.7	40.7	38.0	33.0	26.3	19.0	12.0	6.30	2.31	0.29	355	355
-20	0.23	2.14	5.83	11.1	17.5	24.4	30.7	35.6	38.2	38.2	35.6	30.8	24.5	17.6	11.2	5.86	2.15	0.25	332	332
-30	0.19	1.88	5.21	9.90	15.6	21.7	27.4	31.8	34.2	34.3	31.9	27.5	21.8	15.7	9.98	5.24	1.92	0.20	296	296
-40	0.15	1.58	4.43	8.40	13.2	18.2	23.0	26.8	28.8	28.9	26.8	23.1	18.3	13.2	8.44	4.45	1.61	0.16	250	249
-50	0.11	1.22	3.52	6.65	10.4	14.3	17.9	20.8	22.3	22.4	20.8	18.0	14.4	10.4	6.69	3.54	1.25	0.12	195	194
-60	0.08	0.87	2.53	4.76	7.40	10.1	12.6	14.5	15.5	15.5	14.5	12.6	10.2	7.42	4.78	2.54	0.86	0.08	137	135
-70	0.04	0.49	1.49	2.80	4.33	5.91	7.32	8.38	8.96	8.97	8.41	7.36	5.95	4.36	2.82	1.50	0.50	0.05	79.6	74.7
-80	0.01	0.11	0.35	0.67	1.03	1.41	1.74	1.99	2.12	2.13	2.00	1.75	1.41	1.03	0.66	0.34	0.11	0.01	18.9	6.90
-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	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.20	26.4	72.6	138	216	299	375	433	465	465	434	376	300	217	138	72.7	26.5	3.25	4060	---
Φ a	0.99	23.3	70.3	136	215	298	374	432	464	465	433	375	299	216	137	70.3	23.4	1.13	---	4031

one-half-peak spread: U:57.1,D:57.5 , L:56.4,R:55.5

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG

H(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:05 September 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

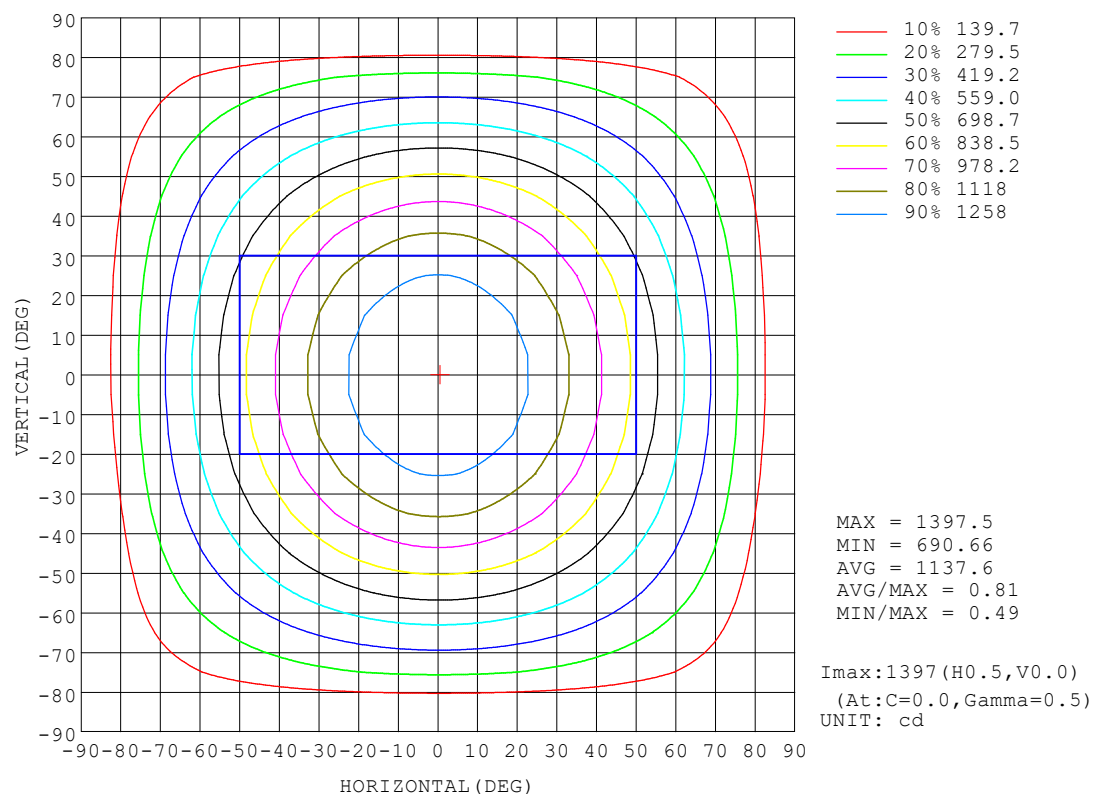
Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

NAME: 92Panel1030CW	TYPE: 92Panel1030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

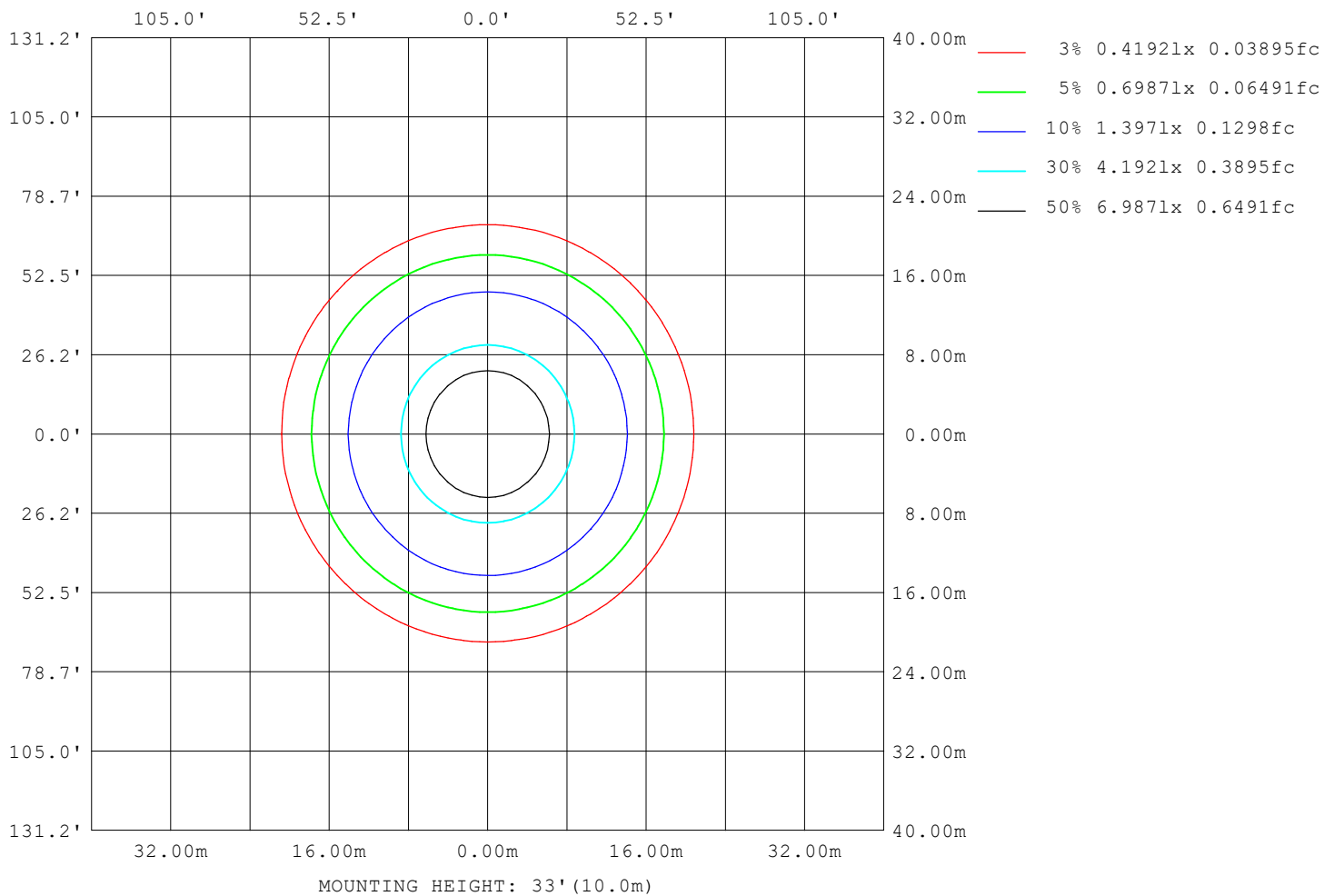


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 September 2022

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

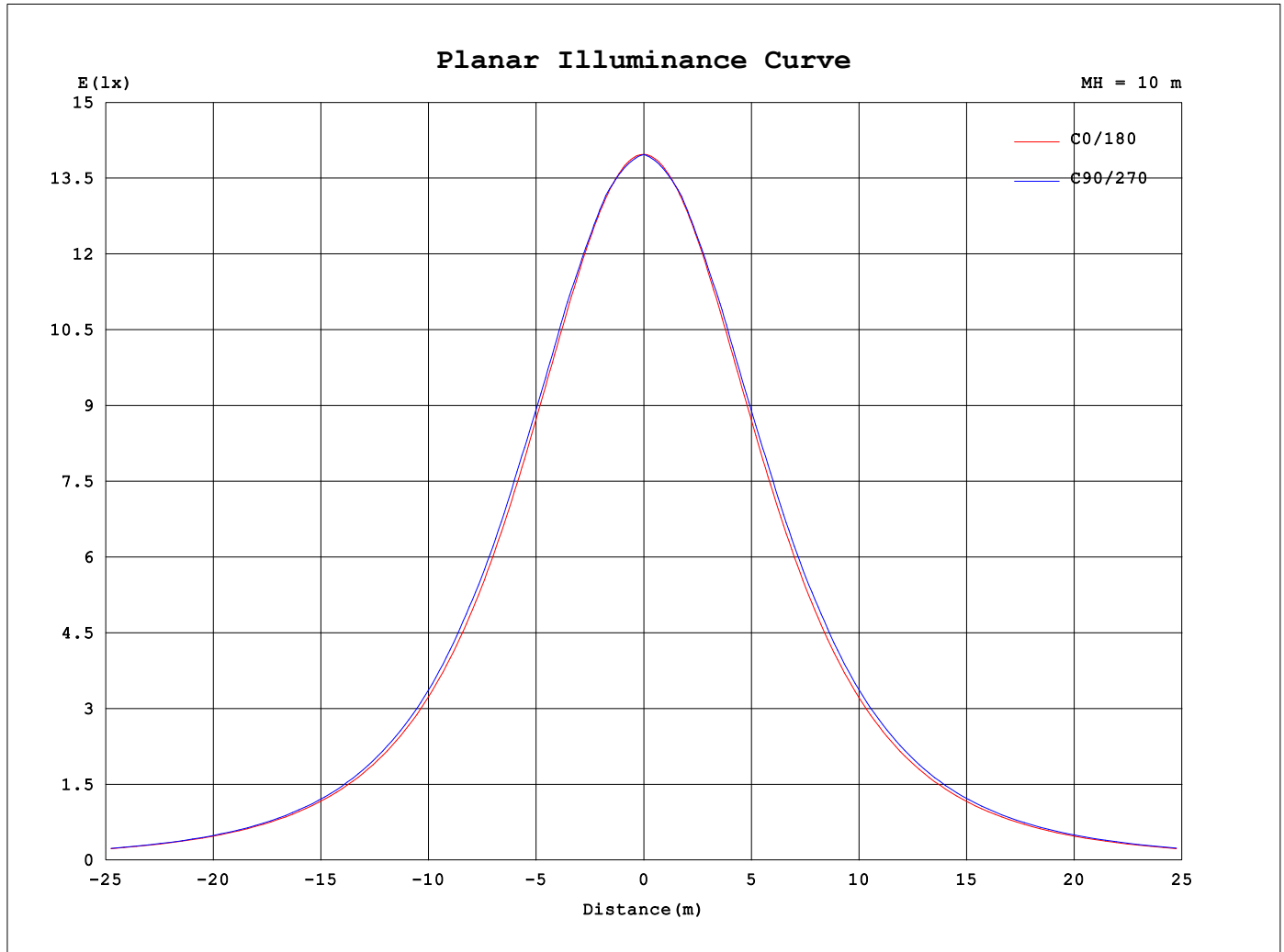
NAME: 92Panel1030CW	TYPE: 92Panel1030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 September 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

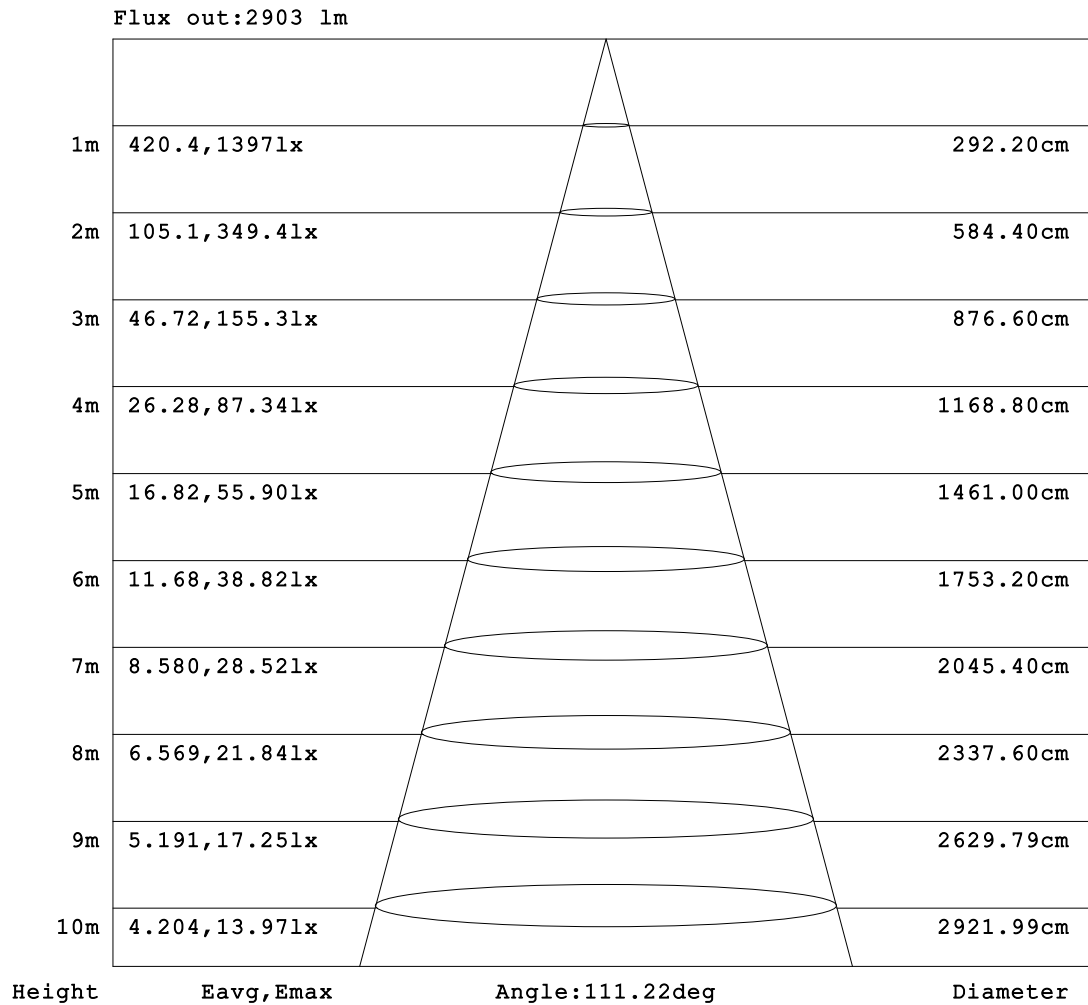


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:05 September 2022

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: 92Panel030CW	TYPE: 92Panel030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	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: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:05 September 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: 92Panel030CW	TYPE: 92Panel030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	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	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	1.65	6.78	18.0	36.9	56.9	74.0	89.2	104	118	131	143	154	164	173	181	186	190	193	194
-75	1.68	11.0	29.7	59.3	89.0	114	137	160	181	201	220	238	253	266	278	287	293	298	299
-70	1.71	15.1	41.5	81.6	121	154	185	215	244	272	297	321	342	360	375	388	397	402	404
-65	1.75	19.0	53.8	105	153	194	233	271	307	342	375	405	432	456	477	493	506	513	516
-60	1.79	22.9	66.1	128	185	233	280	326	371	413	452	489	523	553	578	599	614	624	627
-55	1.84	26.2	77.9	149	214	270	324	378	430	480	527	571	611	648	679	705	724	735	740
-50	1.89	29.5	89.8	171	243	306	368	430	489	546	601	652	700	743	780	810	833	847	852
-45	1.94	33.1	104	193	269	339	408	477	543	607	669	728	782	831	872	907	932	947	953
-40	2.00	36.8	118	214	295	372	448	524	597	669	738	803	864	918	965	1003	1031	1048	1054
-35	2.05	40.0	131	231	316	398	481	562	642	719	794	865	930	989	1038	1078	1108	1126	1132
-30	2.10	43.2	145	248	336	425	513	600	686	770	851	927	997	1059	1112	1154	1185	1204	1210
-25	2.15	47.1	159	261	353	446	538	630	720	809	894	973	1045	1109	1163	1206	1238	1257	1263
-20	2.21	51.1	173	273	369	467	564	660	755	848	936	1019	1094	1159	1215	1259	1291	1310	1316
-15	2.27	57.2	180	280	379	479	579	678	775	871	962	1046	1122	1188	1244	1289	1321	1340	1347
-10	2.33	63.2	187	287	388	491	593	695	796	894	987	1073	1150	1217	1274	1319	1351	1371	1378
-5	2.38	76.1	189	290	392	496	600	702	804	903	996	1082	1160	1227	1284	1329	1361	1381	1388
0	2.43	88.9	192	293	397	501	606	709	812	911	1005	1092	1170	1237	1294	1339	1371	1391	1397
5	2.46	89.5	190	291	393	497	600	703	805	903	996	1082	1160	1227	1283	1328	1360	1380	1387
10	2.50	90.0	188	288	390	493	595	697	797	895	987	1073	1150	1217	1273	1317	1349	1369	1376
15	2.53	88.3	185	282	381	481	581	680	778	873	963	1046	1122	1188	1243	1287	1319	1338	1344
20	2.56	86.6	181	276	372	470	567	663	758	850	938	1020	1094	1159	1213	1256	1288	1307	1313
25	2.59	82.1	173	264	356	450	542	634	724	812	896	975	1046	1109	1162	1204	1235	1253	1260
30	2.62	77.6	165	252	341	429	518	605	691	774	854	929	998	1059	1111	1152	1182	1200	1207
35	2.64	72.5	156	238	321	403	486	568	647	725	799	869	933	990	1039	1078	1107	1124	1130
40	2.66	67.3	147	223	300	378	454	530	603	675	743	808	868	921	967	1004	1031	1048	1053
45	2.68	59.6	135	205	275	345	415	484	550	615	676	734	788	836	877	910	935	950	955
50	2.70	51.8	122	186	249	313	376	438	497	554	609	661	708	750	787	816	838	852	856
55	2.70	44.3	109	165	221	277	332	386	439	489	536	580	620	657	687	713	731	742	746
60	2.71	36.9	95.4	144	193	241	289	335	380	423	462	499	533	563	588	609	624	633	636
65	2.72	29.8	76.5	121	162	202	242	280	317	353	386	416	443	468	488	505	517	524	526
70	2.73	22.7	57.7	97.7	131	163	195	225	255	283	309	333	354	372	388	400	409	415	417
75	2.73	17.2	41.4	71.6	98.4	123	147	170	193	213	233	251	267	281	292	301	308	312	313
80	2.74	11.7	25.1	45.4	66.1	84.0	100	116	130	144	157	169	179	189	196	202	206	209	210
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: 0.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:05 September 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: 92Panel030CW	TYPE: 92Panel030CW	WEIGHT: 1
SPEC.:	DIM.: 596 x 596	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	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	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	193	191	187	181	174	165	155	144	131	118	104	88.8	73.5	56.1	36.5	18.3	7.21	1.66	
-75	298	294	288	279	268	254	239	221	202	182	160	138	115	89.1	59.4	30.6	12.1	1.66	
-70	403	397	389	377	362	344	323	299	273	246	217	187	156	122	82.4	42.9	17.1	1.67	
-65	514	506	495	478	458	434	407	377	344	309	272	234	195	154	105	54.8	21.8	1.68	
-60	625	615	601	580	555	525	491	454	415	372	327	281	234	185	127	66.7	26.4	1.70	
-55	736	725	707	682	651	615	574	530	483	432	380	326	271	215	152	79.7	31.1	1.73	
-50	848	835	813	784	747	705	657	605	551	493	433	371	308	245	178	92.8	35.8	1.75	
-45	948	933	909	875	834	786	732	674	612	547	479	410	340	270	199	108	39.0	1.79	
-40	1048	1032	1005	967	921	868	807	742	673	600	526	450	373	296	219	124	42.2	1.82	
-35	1126	1109	1080	1041	992	935	870	800	725	646	566	484	400	318	235	141	44.2	1.86	
-30	1204	1187	1156	1115	1063	1002	933	857	777	692	606	518	428	339	251	158	46.2	1.90	
-25	1257	1239	1208	1166	1113	1049	978	899	815	726	635	542	448	355	263	168	50.2	1.95	
-20	1310	1291	1260	1217	1162	1097	1023	941	853	760	664	567	468	370	274	179	54.1	2.00	
-15	1341	1322	1291	1247	1192	1126	1050	967	877	781	683	583	481	381	281	184	65.8	2.05	
-10	1372	1353	1321	1277	1222	1155	1078	993	901	803	702	599	495	391	289	190	77.6	2.10	
-5	1382	1363	1331	1287	1231	1164	1087	1001	908	810	708	604	499	394	291	191	83.8	2.16	
0	1391	1372	1340	1296	1240	1173	1096	1009	915	816	713	609	502	397	293	192	90.0	2.21	
5	1381	1362	1330	1286	1230	1164	1087	1001	908	810	708	604	499	394	291	191	90.5	2.25	
10	1370	1351	1320	1276	1221	1154	1078	993	901	803	702	600	495	392	290	190	91.0	2.29	
15	1338	1320	1289	1245	1191	1125	1050	967	877	782	684	584	482	382	282	185	87.9	2.33	
20	1307	1288	1258	1215	1161	1096	1023	941	853	761	665	568	470	371	275	180	84.8	2.37	
25	1254	1236	1206	1164	1111	1049	978	900	816	728	637	544	450	356	264	173	81.1	2.41	
30	1201	1183	1154	1113	1062	1002	934	859	779	695	608	520	430	341	253	166	77.3	2.45	
35	1124	1107	1079	1041	992	936	872	802	728	650	569	487	403	320	237	156	70.8	2.49	
40	1048	1032	1005	968	923	870	810	746	677	605	530	453	376	299	222	145	64.3	2.52	
45	950	935	911	878	837	790	736	678	616	551	483	414	344	274	203	133	56.9	2.56	
50	852	839	818	788	752	710	663	611	556	498	437	375	312	249	185	121	49.5	2.59	
55	743	731	713	688	658	621	581	536	488	438	385	331	275	219	163	106	41.4	2.62	
60	633	624	609	589	563	533	499	462	421	378	333	286	239	190	141	91.3	33.4	2.65	
65	524	517	505	488	467	443	415	385	351	315	278	239	200	159	118	72.6	26.6	2.67	
70	415	409	400	388	372	353	332	307	281	253	223	193	161	128	95.0	53.8	19.8	2.69	
75	312	307	301	292	280	265	249	231	211	190	168	144	121	95.0	67.8	37.1	13.7	2.71	
80	209	206	202	196	187	178	167	155	141	127	112	96.2	79.9	61.6	40.5	20.3	7.68	2.73	
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: 0.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:05 September 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: