

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	585.0 cd per klm.
(Luminaire orientation as tested.)	26.0 degrees vertical
	-50.0 degrees horizontal

Beam Spread	At 10% of Imax	97.0V x 150.6H
	At 50% of Imax	83.4V x 142.3H
	At 90% of Imax	56.8V x 138.0H

Beam Flux	Total	993.0 lumens per klm.
	To 10% of Imax	961.1 lumens per klm.
	To 50% of Imax	654.0 lumens per klm.
	To 90% of Imax	108.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.3 %

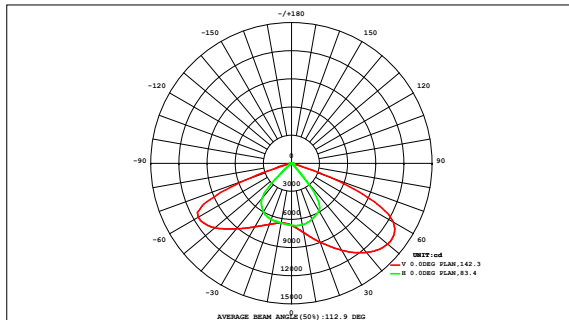
Luminaire Efficiency (Light Output Ratio)	99.3 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 03 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
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: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Prague200/WW	Imax (cd)	14040
NOMINAL POWER (W)	200	AVAILABILITY (%)	96.1
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	23055
NOMINAL FLUX (lm)	24000	LOR (%)	99.3
LAMPS INSIDE	1	TOTAL FLUX (lm)	23828
TEST VOLTAGE (V)	230	θ @50% (H,V)	142,83DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.11	0.18	0.33	0.73	1.54	2.48	2.81	2.68	2.77	2.81	2.14	1.11	0.48	0.24	0.15	0.11	0.05	20.8	0.00
90	0.04	0.11	0.18	0.33	0.73	1.54	2.48	2.81	2.68	2.77	2.81	2.14	1.11	0.48	0.24	0.15	0.11	0.05	20.8	0.00
80	0.04	0.19	0.57	1.34	2.73	4.06	4.57	4.70	4.83	4.86	4.65	4.28	3.57	2.37	1.22	0.46	0.15	0.05	44.7	0.00
70	0.05	0.37	1.28	3.03	5.07	6.19	6.32	6.64	6.97	6.93	6.46	6.08	6.12	5.09	3.10	1.40	0.42	0.05	71.6	0.00
60	0.07	0.63	3.66	15.5	26.6	20.9	14.0	12.8	12.0	12.0	12.7	13.0	15.2	16.7	12.6	4.68	1.18	0.07	194	42.9
50	0.09	0.94	20.3	94.4	164	167	126	95.2	91.8	92.1	88.4	91.1	107	115	80.2	23.2	2.80	0.11	1359	1313
40	0.11	1.86	60.9	198	285	294	249	197	174	168	168	179	202	216	178	66.4	6.29	0.16	2645	2637
30	0.13	4.35	99.6	232	294	300	270	230	200	186	188	200	216	226	204	108	9.85	0.21	2968	2962
20	0.14	7.24	118	234	288	297	274	240	208	190	192	204	217	222	202	124	12.9	0.25	3032	3026
10	0.15	8.80	123	232	282	292	272	241	211	193	194	203	213	216	198	126	14.4	0.26	3021	3016
0	0.15	7.90	114	228	276	285	267	239	213	198	195	199	205	208	191	116	12.7	0.25	2955	2949
-10	0.14	5.19	91.6	217	271	277	257	230	207	195	190	190	194	199	180	90.9	8.43	0.22	2801	2794
-20	0.13	2.62	56.0	171	251	268	242	208	190	184	178	176	180	178	136	54.1	4.30	0.18	2480	2472
-30	0.11	1.51	21.4	84.1	157	191	179	154	147	143	135	125	116	97.9	60.9	20.1	1.99	0.14	1635	1620
-40	0.10	1.01	5.21	20.3	39.5	46.0	41.6	36.5	33.4	32.1	31.3	30.0	27.2	22.6	14.2	4.74	1.14	0.10	387	223
-50	0.08	0.65	2.25	5.45	8.94	10.4	9.27	8.54	8.65	8.65	8.39	8.60	9.29	7.71	4.61	2.00	0.65	0.07	104	0.00
-60	0.06	0.39	1.09	2.53	4.49	5.55	5.41	5.72	6.08	6.11	5.71	5.17	4.93	3.95	2.24	0.96	0.35	0.06	60.8	0.00
-70	0.06	0.23	0.52	1.03	1.95	3.14	3.98	4.14	4.17	4.19	4.10	3.77	2.87	1.77	0.94	0.46	0.19	0.06	37.6	0.00
-80	0.06	0.17	0.25	0.31	0.39	0.61	1.14	1.44	1.31	1.32	1.43	1.11	0.60	0.39	0.31	0.25	0.17	0.06	11.3	0.00
-90	0.04	0.11	0.18	0.33	0.73	1.54	2.48	2.81	2.68	2.77	2.81	2.14	1.11	0.48	0.24	0.15	0.11	0.05	20.8	0.00
HORIZONTAL (DEG)																				
Φ t	1.69	44.2	719	1740	2359	2469	2224	1918	1722	1628	1607	1642	1721	1738	1470	744	78.0	2.33	23828	---
Φ a	0.00	20.7	692	1707	2317	2415	2163	1852	1655	1562	1540	1578	1663	1692	1436	717	46.9	0.00	---	23055

one-half-peak spread: U:31.5,D:52.0 , L:18.3,R:11.5

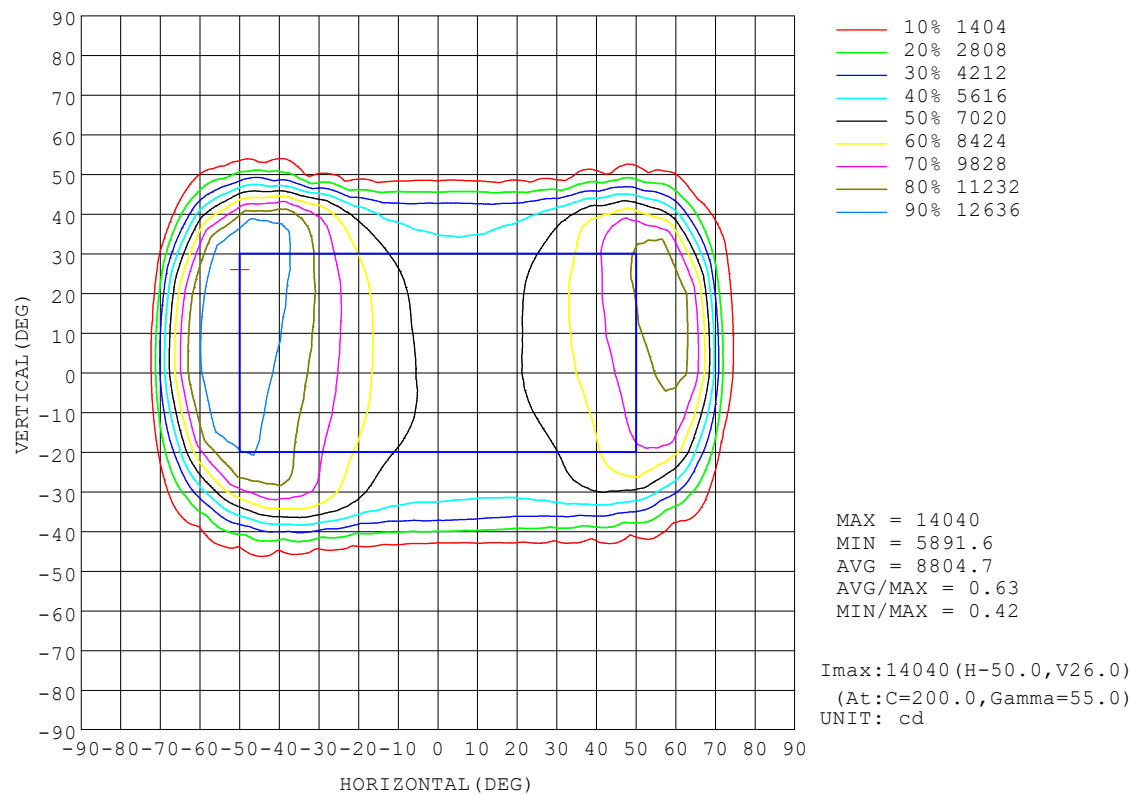
NEMA Beam Type: Type 7 x 5 (H x V)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

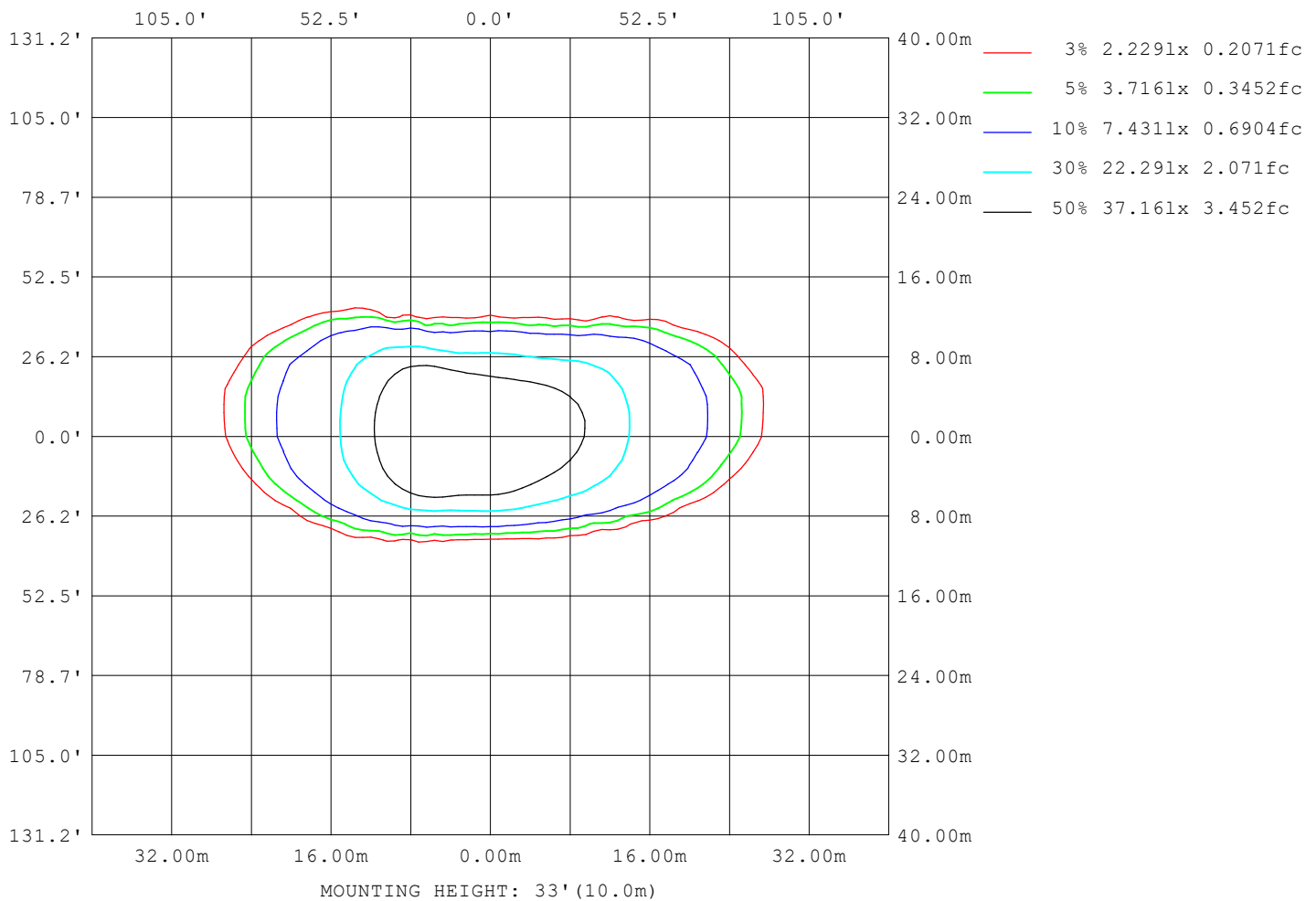


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Temperature:25.3°C
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
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Remarks:

ISOLUX DIAGRAM

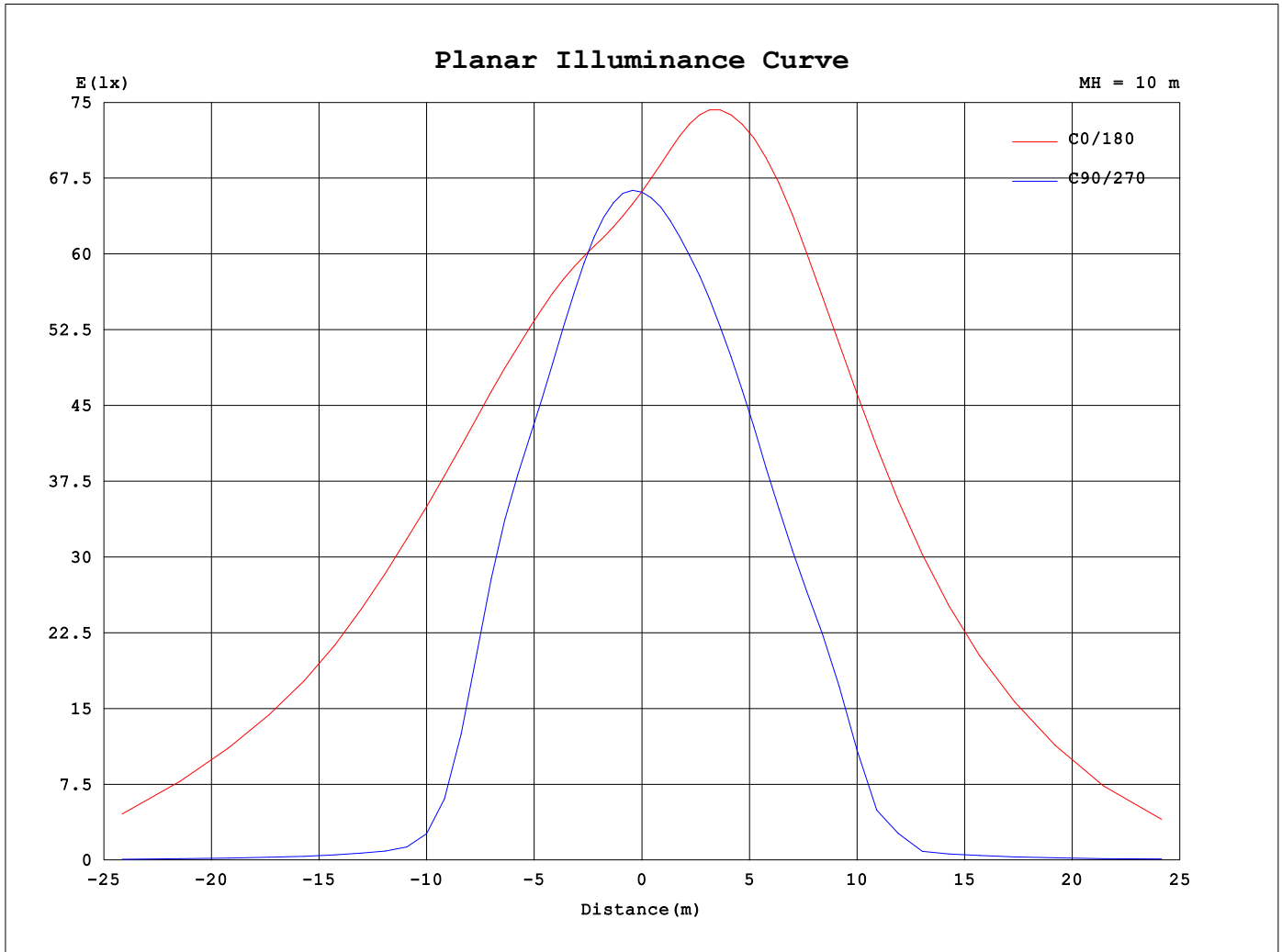
NAME: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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Remarks:

Planar Illuminance Curve

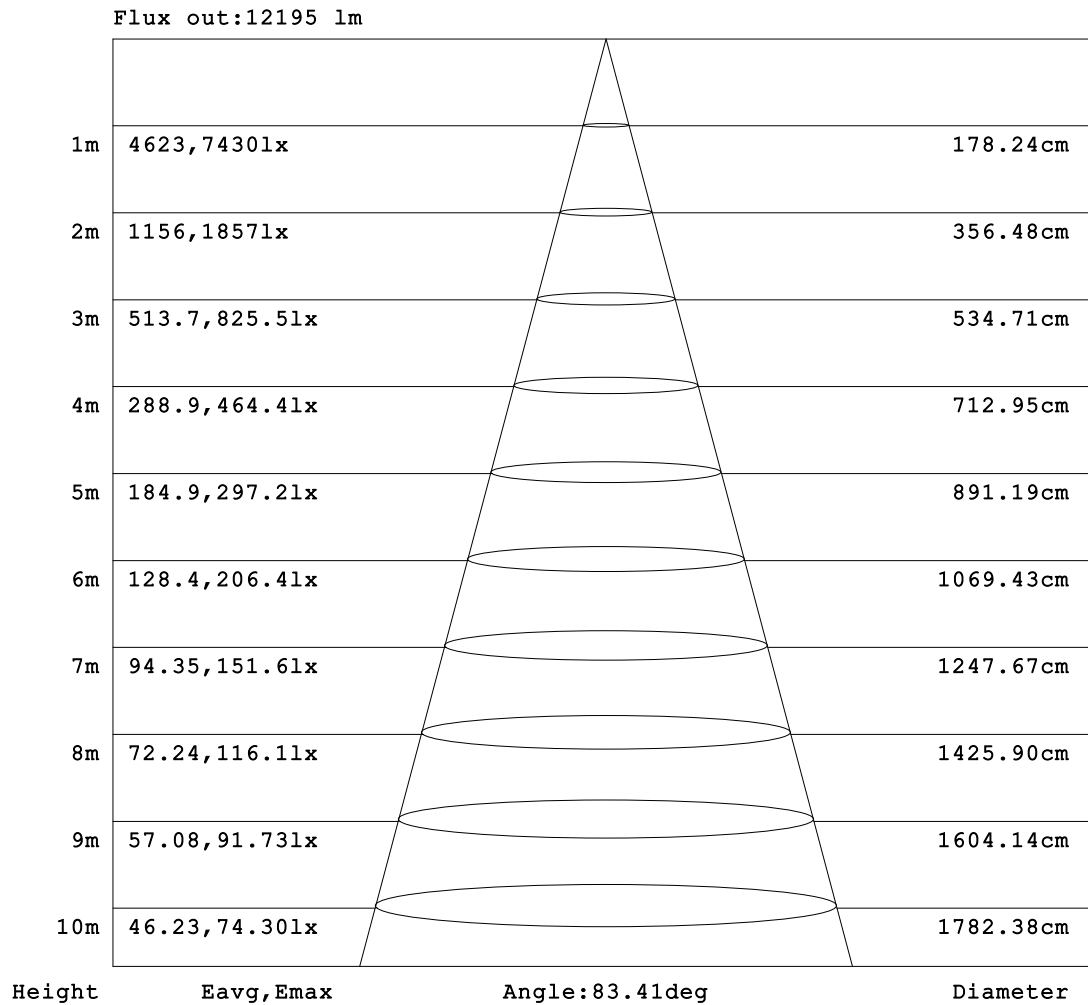


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 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 03 August 2022

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 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	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.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
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: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

Table--1

UNIT: X10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	1.79	2.06	2.33	2.22	2.11	1.91	1.70	1.45	1.19	0.94	0.69	0.51	0.34	0.28	0.22	0.21	0.20	0.19	0.19
-85	1.79	2.04	2.29	2.16	2.02	1.80	1.59	1.50	1.39	1.37	1.39	1.56	1.76	3.01	4.45	4.35	4.12	3.82	3.45
-80	1.79	2.03	2.25	2.15	2.38	2.55	2.72	3.06	3.52	4.46	5.57	7.39	9.65	11.4	12.5	11.7	10.7	10.5	10.3
-75	1.79	2.01	2.26	2.79	3.16	3.99	4.66	5.74	7.29	8.86	10.6	13.1	14.7	14.7	14.6	14.1	13.6	13.8	14.0
-70	1.79	1.99	2.71	3.48	4.70	5.89	6.90	8.81	11.4	14.2	16.1	16.9	16.5	16.3	16.3	16.4	16.6	16.9	17.3
-65	1.79	1.97	3.15	4.79	6.47	8.15	9.91	14.1	18.0	20.8	22.3	22.2	20.5	19.2	19.2	19.4	19.7	20.0	20.3
-60	1.79	1.95	3.56	6.10	8.48	11.2	16.4	21.3	25.9	28.8	30.2	29.6	26.6	23.7	23.3	22.9	23.2	23.5	23.9
-55	1.79	2.14	4.39	7.76	11.5	16.8	23.4	29.6	36.0	39.7	41.0	39.8	36.4	31.4	29.8	28.1	28.2	28.3	28.4
-50	1.79	2.33	5.17	9.44	15.1	23.1	34.4	49.4	56.8	69.3	70.1	65.1	54.6	49.9	44.5	37.4	36.3	34.8	34.8
-45	1.79	2.50	5.90	11.8	19.6	32.6	61.2	111	121	176	133	167	120	127	109	97.8	92.0	80.5	74.8
-40	1.79	2.65	6.62	14.5	25.0	79.1	117	251	323	403	431	445	402	375	310	303	293	284	279
-35	1.79	2.78	7.40	16.6	37.8	158	285	473	631	751	794	808	754	681	597	549	517	509	507
-30	1.79	2.90	8.09	18.5	52.2	268	501	757	938	1034	1069	1018	945	833	734	657	612	592	587
-25	1.79	3.00	8.67	20.0	109	391	736	991	1172	1194	1162	1089	986	882	783	705	654	625	612
-20	1.79	3.07	9.13	21.3	185	552	954	1167	1257	1256	1188	1100	1001	906	821	748	693	658	637
-15	1.79	3.13	9.49	22.2	261	691	1092	1275	1299	1266	1198	1112	1020	933	852	782	724	681	656
-10	1.79	3.16	9.73	22.8	331	807	1167	1305	1319	1278	1210	1128	1041	955	873	803	743	696	667
-5	1.79	3.18	9.85	23.1	391	901	1219	1323	1329	1289	1224	1145	1057	969	887	814	750	700	668
0	1.79	3.17	9.86	23.1	436	975	1254	1334	1340	1306	1241	1162	1071	979	895	819	751	697	662
5	1.79	3.15	9.77	22.8	438	980	1259	1343	1353	1319	1255	1175	1083	987	900	820	751	694	654
10	1.79	3.10	9.58	22.2	420	964	1255	1348	1366	1336	1271	1186	1090	991	902	821	747	688	646
15	1.79	3.04	9.27	21.3	380	930	1242	1351	1377	1347	1282	1198	1097	996	901	817	741	682	642
20	1.79	2.95	8.86	19.9	319	877	1220	1357	1389	1363	1294	1203	1104	994	895	808	732	676	637
25	1.79	2.85	8.36	18.2	236	780	1162	1348	1402	1377	1306	1213	1095	982	877	785	711	659	625
30	1.79	2.73	7.76	16.0	149	622	1054	1324	1385	1388	1325	1209	1088	956	839	743	669	625	598
35	1.79	2.58	7.08	13.8	89.2	439	879	1171	1308	1386	1302	1215	1059	917	774	675	608	574	558
40	1.79	2.42	6.32	12.1	32.6	260	625	881	1106	1179	1177	1087	953	791	642	558	514	500	498
45	1.79	2.25	5.56	10.5	20.1	102	337	529	715	765	799	682	583	461	361	311	314	313	308
50	1.79	2.06	4.75	8.88	15.2	47.3	142	225	313	358	320	221	149	120	98.4	93.7	81.1	82.8	99.9
55	1.79	1.86	3.88	7.42	11.9	21.3	46.7	61.7	104	79.3	103	58.1	44.7	41.6	39.3	35.0	34.0	33.5	33.5
60	1.79	1.64	2.96	5.90	8.90	13.6	19.9	24.9	35.9	31.0	33.0	32.1	30.7	28.6	27.7	27.1	27.4	27.7	27.7
65	1.79	1.64	2.52	4.48	6.80	9.37	12.5	16.8	20.8	22.9	24.7	24.7	23.3	22.4	22.4	22.4	22.6	22.8	22.9
70	1.79	1.65	2.05	3.03	4.82	6.63	8.22	11.2	14.6	17.4	19.0	19.6	18.9	18.6	18.7	18.8	18.8	19.0	19.3
75	1.79	1.65	1.58	2.22	3.01	4.36	5.56	7.48	9.59	12.6	15.2	16.4	16.7	16.3	15.9	15.8	15.8	16.0	16.1
80	1.79	1.66	1.54	1.44	1.86	2.44	3.17	4.45	5.92	8.12	10.6	13.4	15.7	15.4	14.9	13.9	13.0	12.9	12.8
85	1.79	1.66	1.54	1.38	1.24	1.10	0.99	1.34	1.83	2.80	3.90	5.82	7.88	9.83	11.6	11.2	10.5	10.1	9.57
90	1.79	1.67	1.54	1.37	1.19	1.00	0.81	0.66	0.51	0.43	0.36	0.34	0.31	0.54	0.76	1.25	1.74	1.58	1.42

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:03 August 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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: 98Prague200/WW	TYPE: 98Prague200/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

Table--2

UNIT: X10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.19	0.20	0.22	0.24	0.35	0.46	0.67	0.88	1.13	1.37	1.61	1.84	2.01	2.19	2.27	2.36	2.33	2.31	
-85	3.85	4.17	4.29	4.30	2.96	1.79	1.60	1.45	1.39	1.39	1.48	1.56	1.77	1.98	2.12	2.25	2.28	2.31	
-80	10.6	10.8	11.6	12.3	11.0	9.16	6.91	5.10	4.09	3.23	2.84	2.49	2.28	2.14	2.00	2.15	2.23	2.31	
-75	13.9	13.8	13.9	14.0	13.8	13.4	11.8	9.62	8.08	6.63	5.23	4.29	3.50	2.66	2.38	2.08	2.17	2.31	
-70	17.1	16.8	16.3	15.9	15.5	15.3	15.3	14.5	12.8	10.4	8.06	6.18	5.14	4.03	2.83	2.34	2.12	2.31	
-65	20.1	19.9	19.4	19.0	18.5	18.9	19.4	19.3	18.3	15.9	12.4	8.99	7.08	5.76	4.20	2.60	2.07	2.31	
-60	23.6	23.2	22.8	22.6	22.4	24.6	26.5	26.5	25.2	22.4	18.4	14.3	9.78	7.99	5.60	2.84	2.02	2.31	
-55	28.3	28.1	27.9	28.6	28.9	34.0	36.5	37.5	35.4	30.9	25.3	20.3	14.6	11.4	7.88	4.08	2.13	2.31	
-50	34.7	35.2	35.5	40.5	43.8	50.4	53.3	52.2	52.2	43.6	39.7	28.7	20.6	15.6	10.3	5.42	2.24	2.31	
-45	76.3	82.5	82.5	88.7	91.8	88.3	97.0	79.4	96.0	68.8	81.5	47.2	32.7	21.3	13.4	6.86	2.34	2.31	
-40	276	271	260	245	250	241	238	233	224	191	178	84.9	78.3	28.9	17.2	8.47	2.43	2.31	
-35	498	489	482	471	472	478	477	480	449	422	343	232	155	47.0	22.0	10.4	2.51	2.31	
-30	582	579	579	584	598	627	660	698	696	674	574	434	262	67.8	30.2	12.2	2.58	2.31	
-25	606	604	607	617	638	676	731	791	845	879	792	655	386	133	42.8	13.9	2.64	2.31	
-20	626	622	627	640	663	700	755	827	909	959	958	863	554	220	58.1	15.5	2.69	2.31	
-15	642	639	646	662	687	725	778	846	927	1003	1063	994	706	307	75.0	17.0	2.73	2.31	
-10	651	649	660	678	708	748	800	867	947	1028	1089	1062	836	390	92.3	18.3	2.76	2.31	
-5	652	651	664	688	723	768	823	887	965	1047	1107	1112	946	465	109	19.4	2.77	2.31	
0	645	646	664	693	732	782	844	912	990	1071	1127	1152	1036	524	123	20.3	2.77	2.31	
5	635	637	658	692	736	790	855	927	1005	1085	1140	1160	1045	527	125	20.7	2.75	2.31	
10	627	630	653	690	737	795	864	942	1028	1105	1155	1167	1036	510	122	20.9	2.71	2.31	
15	623	628	651	689	740	799	872	949	1035	1118	1170	1174	1011	471	115	20.6	2.66	2.31	
20	621	625	649	687	736	800	870	955	1050	1128	1180	1173	971	410	103	19.8	2.59	2.31	
25	611	617	640	676	726	788	867	956	1055	1144	1188	1138	874	328	85.4	18.5	2.52	2.31	
30	589	595	617	652	700	767	850	957	1056	1134	1193	1053	689	243	62.3	16.6	2.44	2.31	
35	556	560	578	606	655	726	829	924	1052	1075	1065	880	485	182	42.6	14.1	2.34	2.31	
40	499	496	503	515	561	624	719	806	881	895	792	607	293	122	37.3	11.0	2.24	2.31	
45	317	314	299	312	335	354	435	476	561	537	457	324	128	73.2	29.7	8.66	2.13	2.31	
50	82.9	81.0	93.3	95.2	96.8	104	150	184	198	224	180	141	59.3	35.8	21.7	6.62	2.01	2.31	
55	33.8	34.2	35.0	38.3	40.6	44.5	48.7	51.4	60.6	75.5	46.8	52.0	27.3	22.3	14.3	4.50	1.88	2.31	
60	27.5	27.1	26.7	27.2	28.1	30.4	32.1	33.5	32.9	32.4	26.1	22.7	17.9	12.8	7.83	2.35	1.75	2.31	
65	22.6	22.2	21.7	21.4	21.3	22.4	24.5	25.1	23.1	20.8	17.1	13.8	9.69	7.60	5.00	2.06	1.78	2.31	
70	19.1	18.8	18.5	18.0	17.8	18.0	18.9	18.3	16.5	13.9	11.0	8.34	5.97	4.24	2.31	1.77	1.82	2.31	
75	16.0	15.9	15.6	15.4	15.4	15.2	14.4	12.8	10.9	8.81	6.79	4.63	3.37	2.05	1.74	1.47	1.86	2.31	
80	13.1	13.4	13.9	14.4	13.7	12.7	10.2	7.51	6.05	4.57	3.18	1.95	1.64	1.42	1.30	1.52	1.91	2.31	
85	10.4	11.2	11.0	10.5	8.29	5.99	4.05	2.29	1.67	1.16	0.91	0.80	1.00	1.20	1.40	1.61	1.95	2.31	
90	1.63	1.84	1.34	0.85	0.57	0.28	0.33	0.38	0.50	0.62	0.80	0.98	1.17	1.37	1.54	1.70	2.00	2.31	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks: