

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		584.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	125.4V x 126.7H
	At 50% of I _{max}	54.8V x 89.4H
	At 90% of I _{max}	13.5V x 40.4H

Beam Flux	Total	995.3 lumens per klm.
	To 10% of I _{max}	948.9 lumens per klm.
	To 50% of I _{max}	603.9 lumens per klm.
	To 90% of I _{max}	78.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.5 %

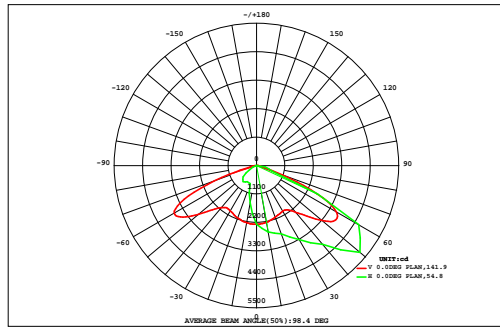
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:110.7V I:0.7533A P:83.11W PF:0.9970 Freq:59.98Hz Lamp Flux:8943.9x1 lm		
NAME: WPX-80W-MCTP-80W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:107.62lm/W	
MODEL		Imax(cd)	5224
NOMINAL POWER(W)	80	AVAILABILITY(%)	95.1
RATED VOLTAGE(V)	110	Avai. FLUX(lm)	8507
NOMINAL FLUX(lm)	8943.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	8944
TEST VOLTAGE(V)	110	q @50%(H,V)	89,55DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F 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	0.15	0.42	0.62	0.78	0.99	1.13	1.14	1.03	0.98	0.97	0.99	1.10	1.20	1.15	0.95	0.72	0.50	0.17	15.0	0.00
70	0.13	0.58	1.12	1.75	2.71	3.71	4.34	4.31	4.21	4.25	4.47	4.68	4.18	3.14	2.13	1.32	0.78	0.17	48.0	0.00
60	0.14	0.89	1.86	3.48	6.33	11.1	14.8	15.9	15.4	15.4	16.5	16.4	12.5	7.27	4.01	2.07	1.13	0.20	145	69.4
50	0.14	1.14	2.53	5.05	9.30	17.6	24.4	26.2	24.5	24.3	26.2	25.7	18.9	10.1	5.40	2.69	1.35	0.21	226	193
40	0.14	1.23	3.48	8.33	10.9	17.1	23.6	25.8	25.0	24.8	25.6	23.7	17.5	11.0	8.42	4.00	1.41	0.21	232	202
30	0.15	1.35	6.94	17.5	14.3	15.2	19.4	21.7	22.1	22.0	21.8	19.8	15.7	12.8	16.8	9.15	1.82	0.21	239	225
20	0.18	1.89	16.6	33.5	26.2	22.4	26.0	29.1	30.7	30.9	29.6	26.6	22.6	22.4	31.0	21.1	3.31	0.23	374	370
10	0.21	2.92	29.0	53.5	47.8	42.0	46.9	52.6	55.9	56.2	53.3	47.6	41.0	41.8	49.8	34.5	5.37	0.26	661	658
0	0.23	3.37	34.9	69.7	68.6	60.3	63.1	70.1	75.1	75.5	71.0	63.1	56.6	60.6	67.0	41.3	5.79	0.27	887	884
-10	0.24	2.88	32.4	77.4	83.3	71.9	69.9	76.1	81.7	82.3	76.9	68.6	65.3	74.5	77.8	40.2	4.92	0.28	987	983
-20	0.23	2.34	24.8	75.7	96.4	86.4	80.0	84.7	90.5	91.1	84.7	76.3	77.2	89.5	80.5	32.6	3.56	0.27	1077	1073
-30	0.21	2.02	15.9	59.6	102	108	100	103	109	109	101	94.2	98.3	102	68.6	21.7	2.74	0.27	1197	1192
-40	0.19	1.90	8.16	31.8	79.7	112	120	128	136	137	128	117	112	88.5	40.2	10.3	2.28	0.26	1255	1247
-50	0.18	1.68	4.76	10.5	30.7	64.4	95.0	128	153	155	137	103	74.2	38.7	13.6	5.19	2.10	0.28	1017	1000
-60	0.20	1.38	3.93	6.45	8.09	13.8	27.2	61.7	88.8	90.9	68.4	32.8	16.3	8.41	6.45	4.43	1.76	0.29	441	404
-70	0.20	1.04	2.60	4.64	7.26	9.98	10.4	8.10	7.83	7.94	8.12	10.4	10.4	7.93	5.13	3.09	1.34	0.28	107	7.73
-80	0.10	0.40	0.79	1.30	1.81	2.58	3.20	3.57	4.05	4.16	3.63	3.19	2.78	2.05	1.50	0.96	0.51	0.13	36.7	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
F t	3.00	27.4	190	461	596	660	730	840	925	931	858	734	647	582	479	235	40.7	3.99	8944	---
F a	0.00	5.30	163	431	555	635	706	818	901	908	835	711	624	540	449	209	17.1	0.00	---	8507

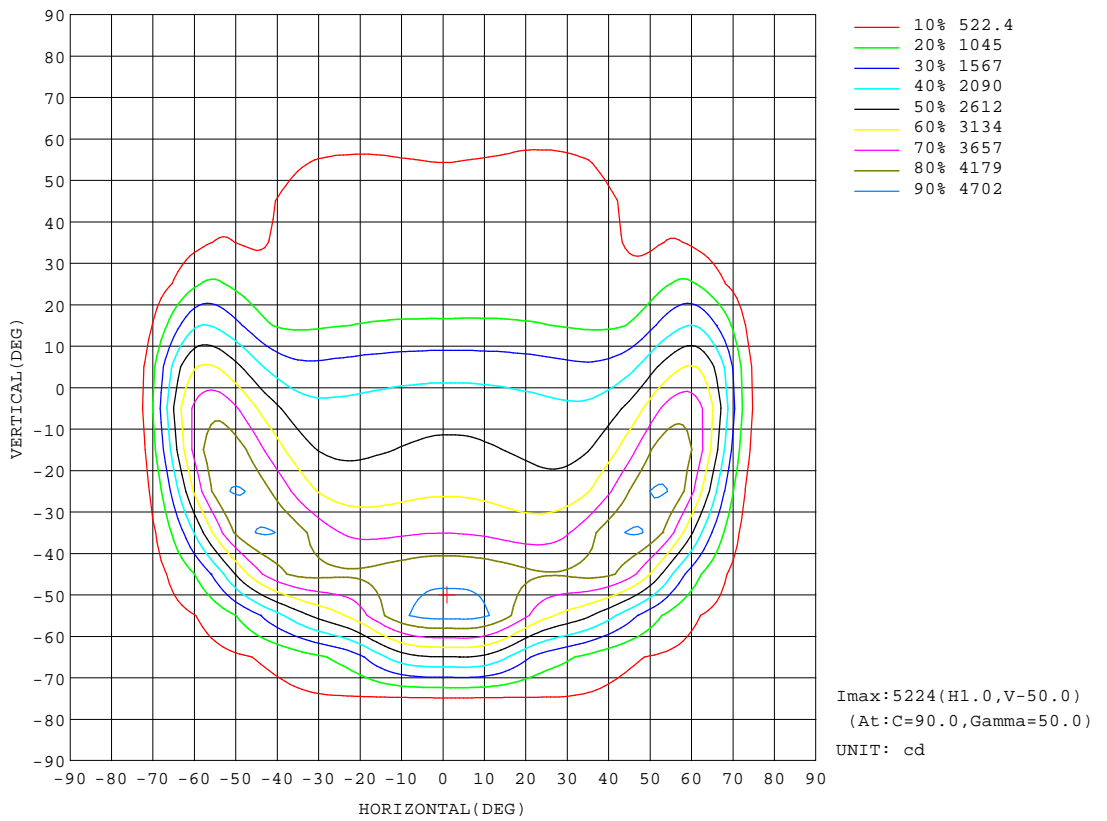
one-half-peak spread: U:15.0,D:40.7 , L:44.3,R:45.4 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:110.7V I:0.7533A P:83.11W PF:0.9970 Freq:59.98Hz Lamp Flux:8943.9x1 lm		
NAME: WPX-80W-MCTP-80W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

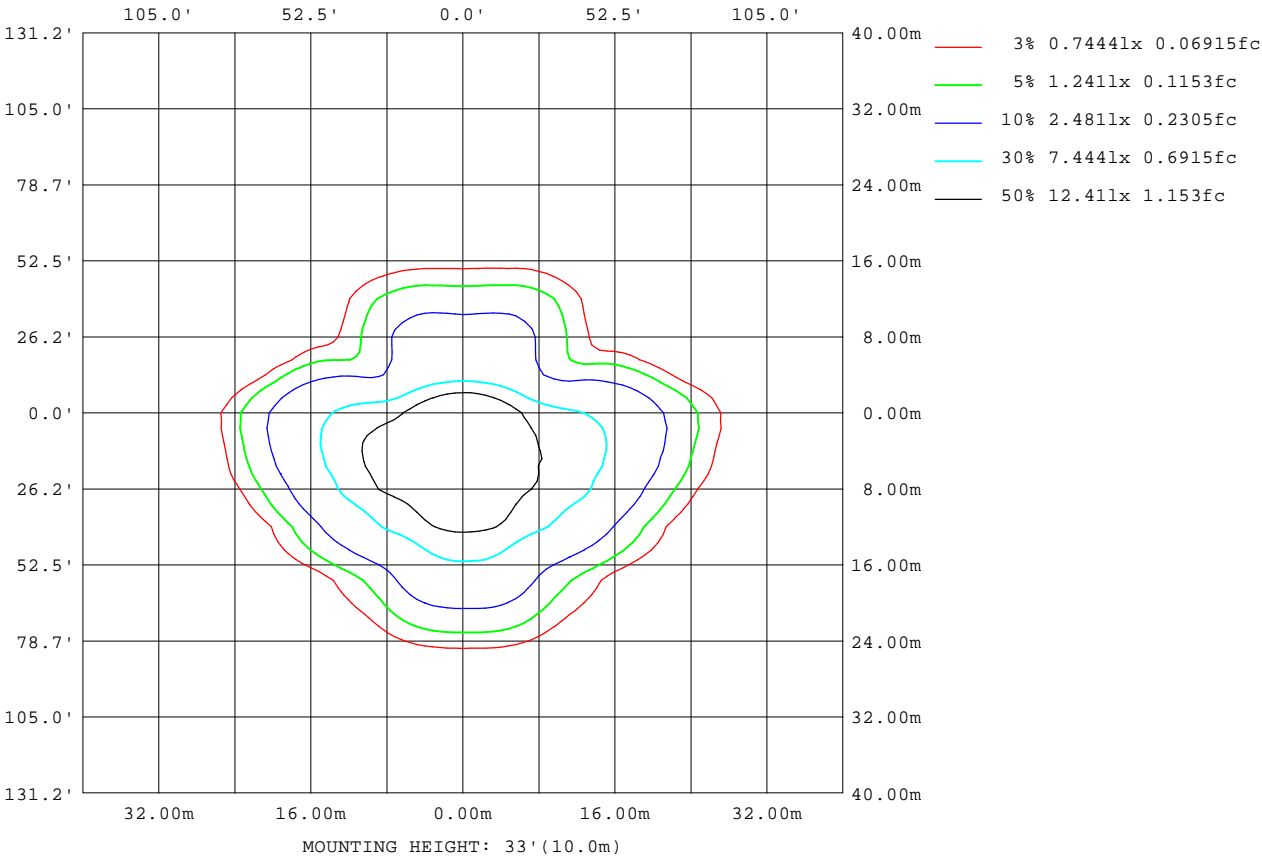


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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:11.900m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

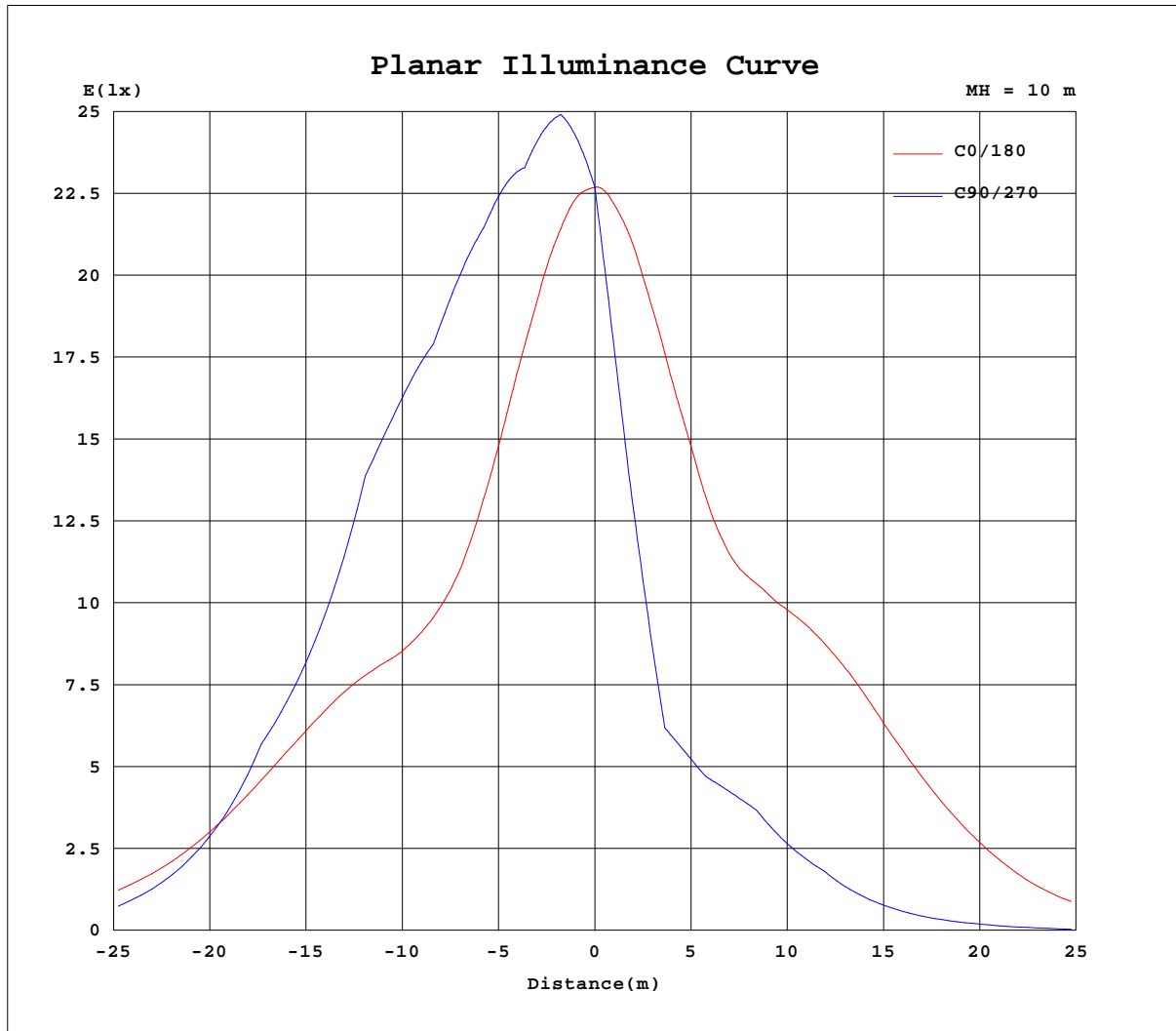
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SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



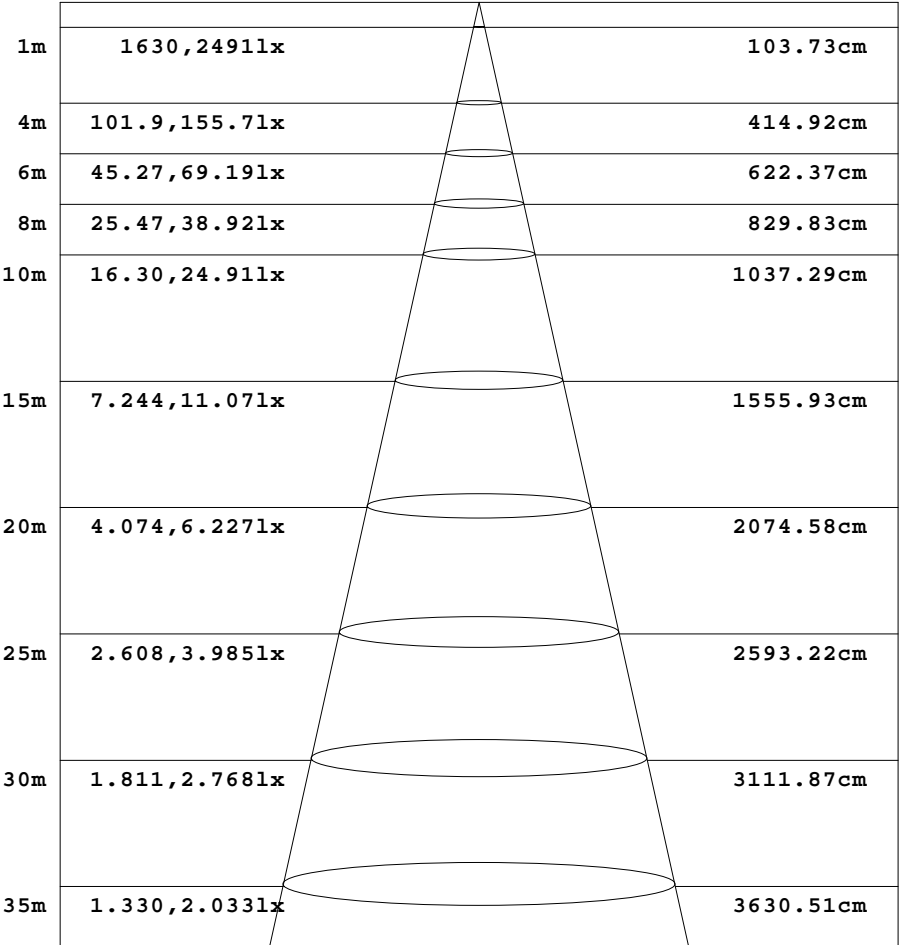
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:14 January 2021

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:11.900m [K=1.0000]
 Remarks:

AAI Figure

Test:U:110.7V I:0.7533A P:83.11W PF:0.9970 Freq:59.98Hz Lamp Flux:8943.9x1 lm		
NAME: WPX-80W-MCTP-80W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:1388 lm



Height Eavg, Emax Angle:54.83deg Diameter

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: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:110.7V I:0.7533A P:83.11W PF:0.9970 Freq:59.98Hz Lamp Flux:8943.9x1 lm		
NAME: WPX-80W-MCTP-80W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	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	48.3	65.2	88.7	110	130	147	167	187	203	221	250	280	303	314	314	319	330	342	348
-75	45.8	62.7	96.1	128	165	199	237	261	295	332	378	426	462	476	475	473	477	490	496
-70	43.3	60.1	104	145	199	251	306	334	387	444	505	571	620	638	636	627	624	638	644
-65	40.5	55.8	107	164	237	302	367	410	465	541	651	807	978	1162	1482	1965	2377	2564	2601
-60	37.8	51.5	111	182	276	353	428	486	542	638	797	1043	1336	1687	2327	3303	4131	4491	4557
-55	35.4	47.9	111	198	306	401	512	709	1042	1475	1945	2386	2760	3056	3471	4065	4579	4829	4890
-50	33.0	44.3	111	214	337	449	597	933	1543	2312	3094	3729	4183	4426	4615	4828	5027	5168	5223
-45	32.3	44.1	116	222	367	633	1042	1727	2640	3471	4024	4294	4327	4276	4283	4372	4479	4569	4603
-40	31.7	44.0	121	230	398	817	1488	2521	3736	4630	4953	4859	4471	4126	3952	3916	3931	3970	3982
-35	32.4	44.9	128	229	462	1138	2123	3280	4255	4717	4684	4365	3953	3665	3539	3532	3575	3628	3642
-30	33.2	45.9	134	229	527	1459	2758	4039	4773	4803	4414	3872	3436	3204	3126	3148	3220	3285	3302
-25	33.8	46.9	139	235	652	1774	3211	4319	4740	4520	4016	3486	3105	2918	2878	2911	2973	3032	3055
-20	34.4	48.0	144	242	776	2090	3664	4600	4707	4237	3617	3100	2773	2633	2631	2674	2727	2778	2807
-15	34.6	47.1	145	252	896	2364	3799	4489	4418	3883	3313	2858	2595	2512	2526	2574	2632	2681	2707
-10	34.8	46.2	145	263	1016	2638	3933	4378	4128	3529	3009	2615	2417	2391	2420	2474	2537	2583	2608
-5	33.5	44.3	142	267	1059	2621	3747	4039	3716	3149	2683	2354	2227	2234	2273	2325	2383	2419	2439
0	32.2	42.5	139	272	1102	2603	3560	3701	3303	2769	2357	2092	2036	2077	2125	2176	2229	2256	2269
5	29.5	39.2	130	245	933	2212	3088	3140	2742	2241	1864	1688	1666	1711	1756	1796	1837	1856	1866
10	26.9	35.9	122	219	763	1820	2616	2579	2181	1713	1371	1284	1297	1346	1388	1417	1444	1457	1463
15	24.7	32.9	113	195	543	1308	2005	2026	1686	1275	1009	965	987	1027	1059	1079	1095	1102	1105
20	22.5	29.8	103	172	323	796	1394	1472	1192	838	647	647	677	709	731	741	745	746	746
25	22.9	29.1	95.3	164	267	549	952	1106	918	673	594	626	677	723	749	755	752	744	735
30	23.2	28.4	87.3	156	212	302	509	739	645	509	540	605	677	738	766	769	760	741	723
35	26.0	31.0	84.4	154	199	262	385	536	519	485	559	660	755	824	852	847	823	794	772
40	28.8	33.6	81.6	153	187	221	260	333	392	462	578	716	834	909	937	924	885	847	820
45	31.9	37.0	78.2	140	175	194	226	288	343	413	535	677	786	849	873	856	814	776	752
50	35.1	40.3	74.8	128	164	166	193	242	293	364	491	638	738	789	808	788	742	704	684
55	38.0	42.8	69.5	111	139	141	160	198	236	289	370	461	528	562	572	562	536	515	504
60	40.9	45.2	64.2	93.3	113	115	127	154	178	214	249	285	319	336	336	335	331	326	324
65	42.6	46.0	57.7	75.1	87.7	88.7	93.8	107	121	139	157	172	190	193	189	183	179	176	175
70	44.3	46.8	51.1	56.8	62.0	61.9	60.3	60.4	64.1	63.5	63.7	58.7	60.2	49.2	42.7	29.8	26.8	26.2	26.0
75	44.7	46.2	46.4	46.5	46.8	45.0	43.1	42.5	44.3	44.2	44.6	42.4	43.3	37.8	34.5	27.9	26.3	25.9	25.6
80	45.2	45.6	41.7	36.3	31.6	28.2	26.0	24.7	24.5	24.9	25.6	26.1	26.4	26.4	26.3	26.1	25.8	25.5	25.3
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

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V(B) Range:-80 - 80DEG
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Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	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	350	342	327	317	320	319	302	277	247	228	211	197	177	160	142	119	91.4	64.5
-75	498	491	486	490	498	491	459	413	365	325	288	267	236	203	165	131	91.2	61.6
-70	646	639	646	663	676	662	616	550	483	422	366	337	295	246	188	142	91.1	58.7
-65	2616	2506	2154	1671	1312	1112	923	728	589	503	442	401	344	285	213	147	86.3	55.3
-60	4586	4373	3662	2679	1949	1562	1230	905	695	583	518	464	394	324	237	152	81.4	51.9
-55	4902	4772	4358	3757	3268	2976	2688	2261	1761	1287	878	596	452	355	254	155	76.4	48.5
-50	5218	5172	5054	4835	4588	4391	4147	3617	2826	1990	1237	728	510	385	271	158	71.4	45.1
-45	4586	4534	4435	4306	4220	4249	4345	4269	3869	3124	2171	1337	794	443	276	156	68.8	42.4
-40	3954	3896	3816	3776	3852	4107	4542	4920	4912	4259	3106	1946	1078	501	280	154	66.3	39.7
-35	3624	3567	3475	3410	3438	3618	3989	4447	4742	4574	3812	2680	1548	690	287	156	69.2	37.6
-30	3293	3238	3134	3045	3024	3129	3435	3975	4572	4890	4519	3413	2019	880	295	157	72.1	35.4
-25	3048	2998	2914	2833	2789	2854	3107	3583	4187	4705	4639	3786	2395	1067	322	159	73.9	33.2
-20	2802	2757	2695	2622	2553	2580	2779	3191	3802	4520	4758	4160	2771	1254	350	161	75.8	31.0
-15	2703	2663	2603	2533	2465	2458	2591	2926	3454	4136	4530	4189	3024	1460	399	164	76.2	29.4
-10	2604	2568	2512	2445	2376	2337	2403	2660	3106	3753	4301	4218	3277	1666	449	168	76.6	27.8
-5	2437	2406	2360	2300	2232	2183	2204	2393	2759	3343	3888	3947	3183	1698	470	167	74.4	26.3
0	2269	2244	2208	2155	2089	2029	2005	2126	2413	2934	3474	3676	3088	1730	490	166	72.3	24.8
5	1868	1851	1826	1784	1732	1677	1643	1713	1932	2409	2911	3164	2690	1543	445	160	69.5	23.7
10	1468	1457	1444	1414	1376	1324	1281	1300	1451	1884	2348	2652	2292	1356	400	154	66.7	22.6
15	1108	1104	1097	1079	1051	1011	974	973	1076	1435	1853	2091	1696	972	316	143	61.8	22.8
20	749	751	751	744	727	698	667	646	700	986	1357	1530	1100	587	232	132	57.0	23.1
25	741	752	759	759	740	700	649	602	601	754	1047	1086	747	414	207	127	55.9	24.7
30	733	753	768	773	754	702	631	558	501	523	736	643	394	241	183	122	54.8	26.4
35	785	814	841	856	836	777	686	585	494	459	546	461	312	220	181	118	56.5	30.2
40	838	875	913	938	917	852	740	612	488	395	355	280	230	198	178	114	58.2	33.9
45	770	807	852	896	887	829	725	581	450	357	313	248	204	183	177	111	60.9	39.0
50	701	740	791	853	856	806	709	551	413	319	270	216	179	167	176	108	63.6	44.0
55	515	539	571	613	616	584	522	421	331	266	227	186	155	149	152	99.2	62.8	46.9
60	329	338	351	374	376	362	335	290	250	213	185	155	131	130	127	90.2	61.9	49.8
65	178	182	189	205	211	206	198	179	164	144	130	114	103	105	103	78.2	59.2	50.3
70	26.1	26.6	27.9	35.6	46.1	49.8	61.2	68.5	78.1	74.4	74.7	72.1	74.1	80.3	78.1	66.3	56.5	50.7
75	25.7	26.1	26.9	31.0	36.5	38.6	44.5	49.0	53.8	52.3	52.2	51.1	53.0	58.1	58.9	55.2	52.2	49.7
80	25.2	25.5	25.8	26.4	26.9	27.4	27.8	29.4	29.5	30.1	29.8	30.1	31.9	35.9	39.8	44.2	48.0	48.7
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_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks: