

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

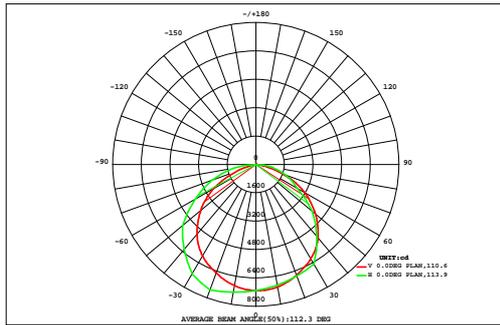
Maximum Intensity (Luminaire orientation as tested.)		351.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	166.0V x 149.4H 113.9V x 110.6H 50.5V x 47.4H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	999.0 lumens per klm. 982.9 lumens per klm. 747.6 lumens per klm. 162.2 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-20

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:6.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:115.10lm/W	
MODEL	EKSPOLED-200	Imax(cd)	7523
NOMINAL POWER(W)		AVAILABILITY(%)	98.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	21128
NOMINAL FLUX(lm)	21426.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	21427
TEST VOLTAGE(V)	220	q @50%(H,V)	111,114DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.03	0.18	1.07	3.13	6.07	8.98	11.7	13.7	14.9	15.0	14.0	12.2	9.56	6.67	3.69	1.37	0.26	0.03	123	78.9
90	0.03	0.18	1.07	3.13	6.07	8.98	11.7	13.7	14.9	15.0	14.0	12.2	9.56	6.67	3.69	1.37	0.26	0.03	123	78.9
80	0.03	0.64	4.41	12.9	24.5	36.0	46.8	54.6	59.0	59.3	55.1	47.6	37.0	25.4	13.5	4.69	0.69	0.03	482	460
70	0.03	1.07	7.43	21.6	41.0	60.2	78.1	91.0	98.3	98.6	91.5	79.0	61.3	42.0	22.2	7.58	1.05	0.03	802	789
60	0.04	1.82	11.8	32.9	59.6	86.6	111	129	139	139	129	112	87.6	60.4	33.3	12.1	1.89	0.04	1147	1139
50	0.07	3.48	19.0	47.4	79.8	114	143	163	176	177	164	143	114	80.4	47.5	19.1	3.49	0.09	1494	1488
40	0.14	5.00	24.8	56.7	93.5	131	163	187	201	202	188	164	132	94.7	57.5	25.0	5.09	0.15	1729	1725
30	0.21	6.43	29.9	65.3	106	147	181	207	223	223	208	181	148	107	66.2	30.0	6.45	0.21	1936	1932
20	0.28	7.12	31.6	67.8	110	151	185	211	226	226	211	185	151	110	67.9	31.3	6.81	0.22	1978	1975
10	0.25	6.51	29.4	64.1	104	144	177	203	217	217	203	177	145	104	64.5	29.2	6.22	0.20	1892	1889
0	0.22	6.08	27.9	61.5	100	139	172	196	211	211	197	172	140	101	62.0	27.8	5.83	0.18	1830	1827
-10	0.19	5.65	26.4	58.9	96.4	135	166	190	205	205	191	167	135	96.9	59.5	26.3	5.45	0.16	1769	1764
-20	0.17	5.21	24.9	56.4	92.6	130	161	184	198	198	185	161	130	93.2	57.0	24.9	5.07	0.15	1707	1702
-30	0.14	4.50	21.8	50.3	83.6	118	146	168	181	181	168	147	118	83.8	50.6	21.3	4.12	0.11	1547	1542
-40	0.10	2.92	14.9	37.1	63.9	90.9	115	132	142	142	132	115	90.7	63.6	36.5	13.9	2.36	0.06	1193	1186
-50	0.05	1.54	8.73	24.3	44.4	64.7	83.0	95.9	103	103	95.7	82.7	64.1	43.7	22.7	7.44	1.00	0.04	846	834
-60	0.04	0.59	4.18	12.8	26.0	39.4	51.4	60.3	64.9	64.9	60.3	51.1	39.1	24.9	11.5	3.41	0.43	0.04	515	494
-70	0.04	0.47	2.92	8.54	16.7	24.9	32.2	37.6	40.4	40.4	37.5	31.9	24.5	15.8	7.64	2.39	0.32	0.04	324	286
-80	0.04	0.25	1.21	3.22	6.00	8.72	11.2	12.9	13.9	13.8	12.8	10.8	8.28	5.31	2.56	0.83	0.17	0.04	112	16.3
-90	0.04	0.25	1.21	3.22	6.00	8.72	11.2	12.9	13.9	13.8	12.8	10.8	8.28	5.31	2.56	0.83	0.17	0.04	112	16.3
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
F t	2.06	59.5	292	685	1154	1630	2034	2336	2513	2515	2341	2038	1635	1158	686	289	56.7	1.83	21427	---
F a	0.00	35.5	265	659	1136	1613	2020	2325	2502	2503	2328	2025	1623	1138	661	262	33.4	0.00	---	21128

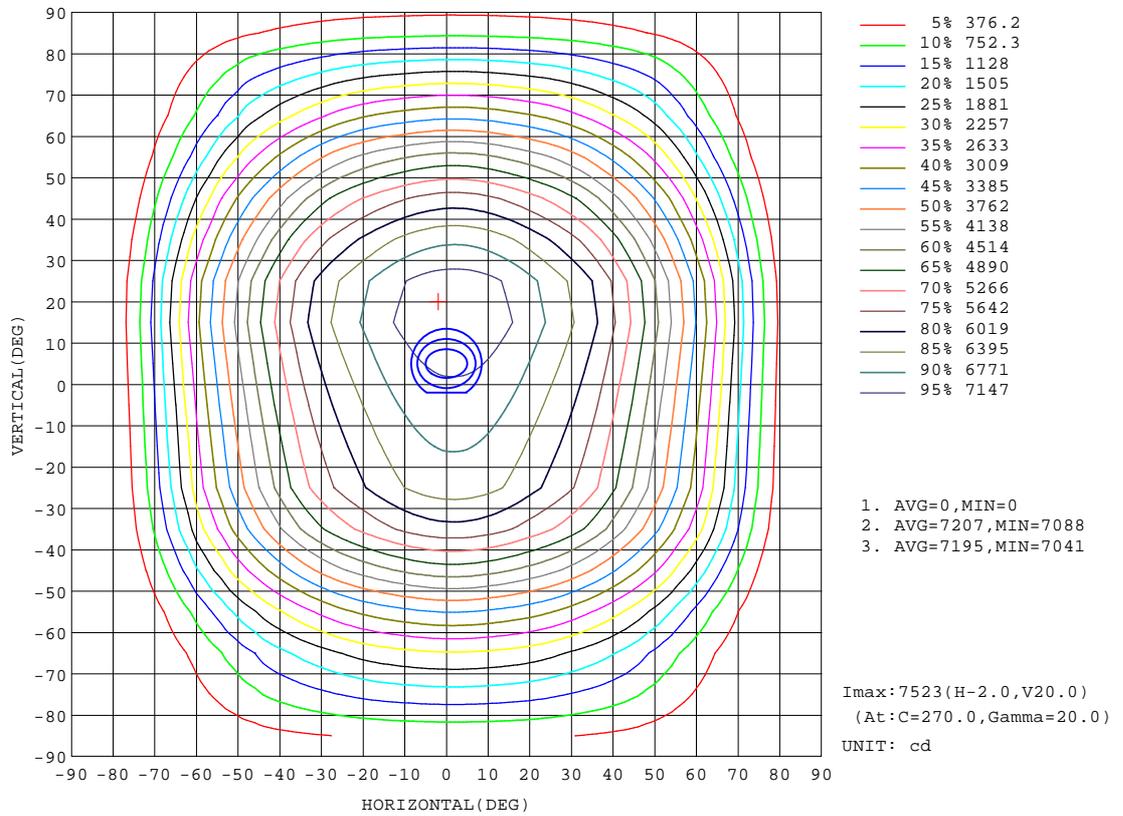
one-half-peak spread: U:72.9,D:41.5 , L:55.0,R:56.2 NEMA Beam Type: Type 7

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-20

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:6.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	SUR.:	Shielding Angle:

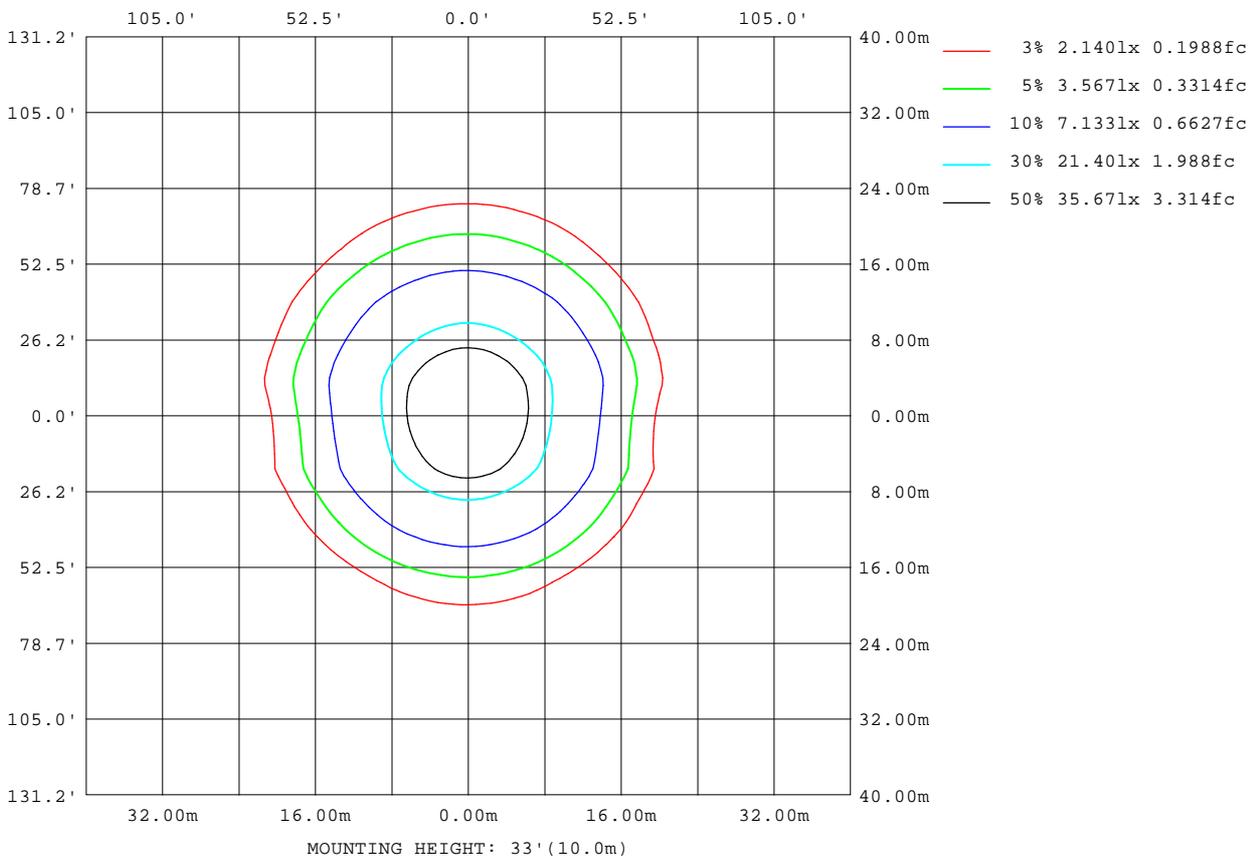


H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-05-20

V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 6.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

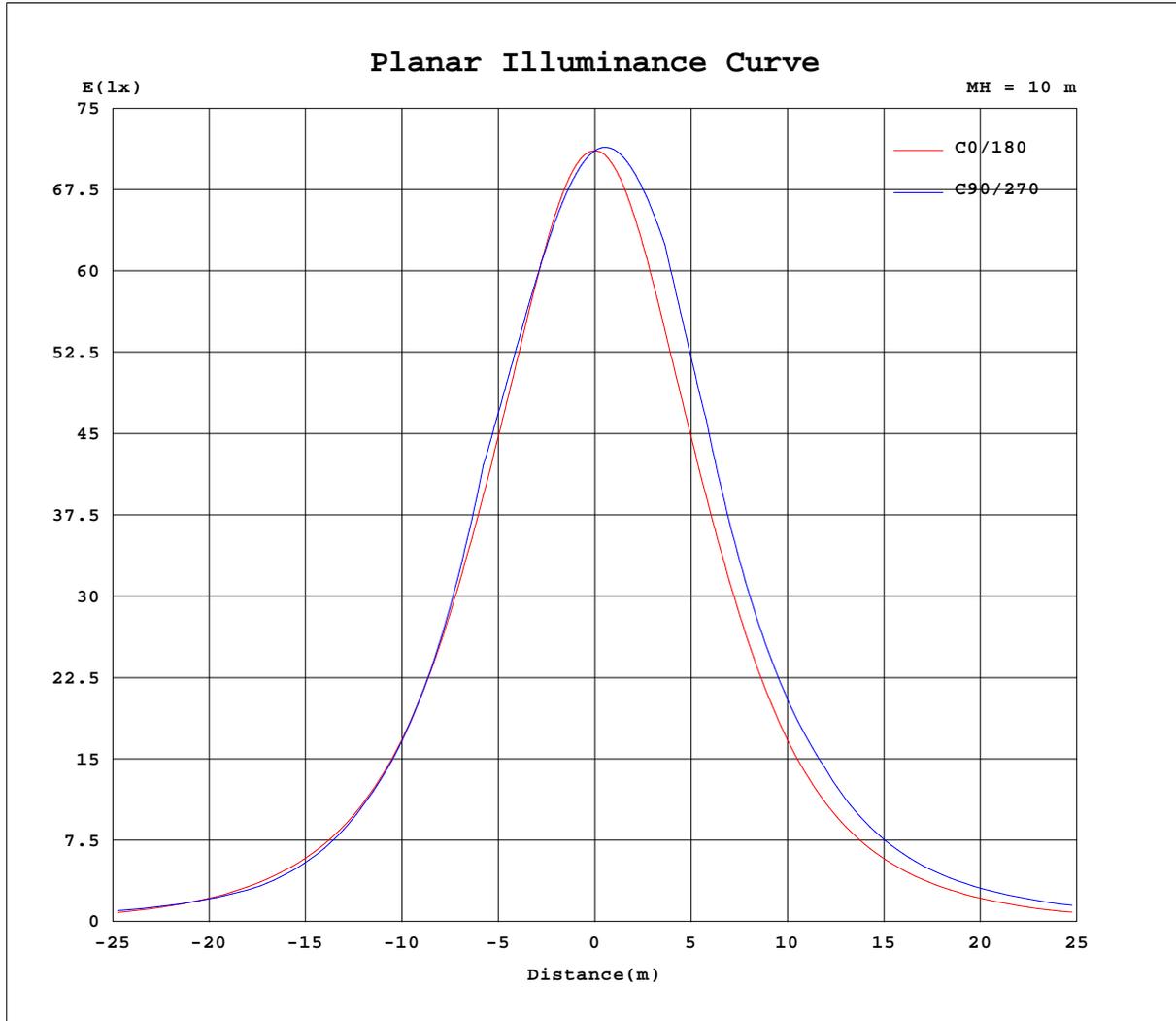
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SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	SUR.:	Shielding Angle:



H_(β) Range: -90 - 90DEG
H_(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-05-20

V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 6.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



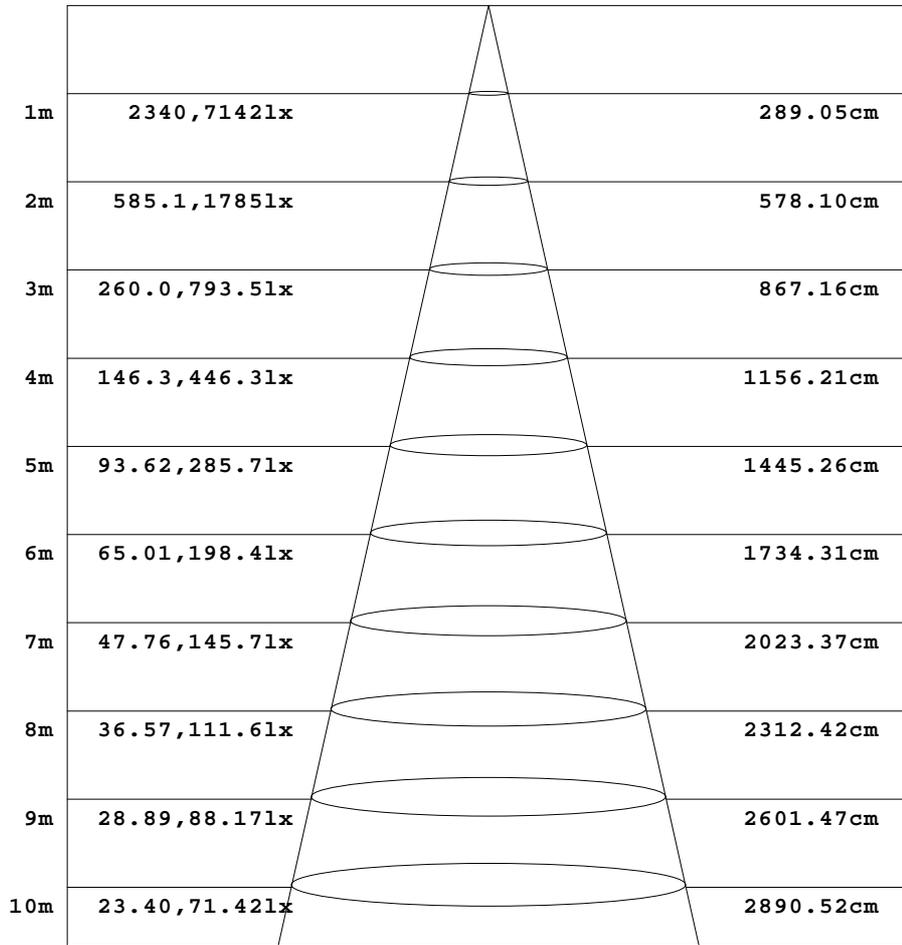
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-20

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:6.000m [K=1.0000]
Remarks:

AAI Figure

NAME: LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	SUR.:	Shielding Angle:

Flux out:15566 lm



Height Eavg, Emax Angle: 110.64deg 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:
Test Date: 2016-05-20

V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 6.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	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	12.8	14.1	13.5	12.7	12.4	12.6	13.2	13.9	14.5	15.0	15.4	15.7	16.0	16.2	16.4	16.5	16.6	16.7	16.8
-85	13.0	13.6	14.3	18.1	36.2	66.4	104	149	200	250	295	330	362	391	415	433	445	455	459
-80	12.8	14.6	15.9	42.9	92.8	164	250	346	443	544	617	683	744	796	837	865	887	899	902
-75	13.3	13.7	15.2	28.0	83.4	174	286	421	570	720	854	960	1054	1141	1213	1266	1303	1331	1343
-70	12.8	15.1	18.4	73.1	173	315	486	677	872	1072	1219	1351	1472	1576	1658	1714	1757	1781	1786
-65	13.5	13.8	16.0	37.9	131	282	467	692	941	1189	1413	1590	1747	1891	2011	2099	2160	2207	2227
-60	12.9	15.7	20.9	103	253	466	722	1009	1301	1601	1821	2019	2199	2356	2479	2562	2627	2664	2671
-55	13.8	14.0	17.7	90.0	270	532	862	1220	1601	1930	2228	2485	2719	2923	3083	3201	3291	3364	3401
-50	13.0	16.0	64.9	277	581	973	1434	1912	2295	2637	2948	3238	3491	3693	3836	3953	4052	4118	4129
-45	14.0	14.1	27.9	202	521	947	1463	1951	2438	2840	3209	3548	3849	4097	4289	4441	4568	4668	4720
-40	12.9	17.4	144	488	958	1495	2082	2609	3069	3495	3886	4233	4517	4744	4928	5087	5215	5294	5308
-35	13.9	13.8	45.8	331	794	1387	2059	2627	3164	3647	4101	4513	4859	5132	5354	5550	5717	5837	5896
-30	12.8	18.9	223	700	1335	2017	2729	3306	3842	4353	4824	5227	5543	5796	6020	6221	6377	6469	6486
-25	13.7	13.5	62.1	416	967	1661	2419	3037	3606	4139	4641	5093	5462	5750	5989	6210	6397	6527	6588
-20	12.3	20.7	255	761	1434	2153	2865	3459	4013	4537	5016	5425	5742	5999	6229	6433	6588	6678	6693
-15	13.3	13.0	76.6	455	1042	1768	2545	3180	3765	4315	4829	5288	5660	5950	6194	6420	6608	6738	6795
-10	11.8	22.6	287	822	1533	2288	3000	3612	4183	4721	5208	5622	5941	6201	6437	6645	6799	6887	6900
-5	12.9	12.5	91.2	495	1117	1875	2671	3323	3924	4490	5018	5483	5857	6151	6399	6631	6819	6948	7003
0	11.3	24.4	319	883	1632	2424	3136	3765	4353	4906	5400	5819	6140	6404	6646	6857	7010	7095	7107
5	12.6	12.1	106	534	1192	1982	2797	3465	4083	4666	5207	5677	6055	6351	6604	6841	7030	7158	7211
10	10.8	26.2	351	944	1731	2559	3271	3918	4523	5090	5592	6017	6338	6607	6854	7069	7221	7304	7314
15	12.2	11.6	120	574	1267	2089	2923	3608	4243	4842	5395	5872	6253	6551	6809	7052	7241	7368	7419
20	10.4	28.1	383	1005	1830	2695	3407	4072	4693	5274	5784	6214	6537	6810	7063	7281	7432	7513	7521
25	11.8	11.3	110	540	1203	2018	2834	3510	4135	4726	5273	5753	6140	6437	6696	6938	7136	7269	7327
30	10.2	20.8	299	826	1548	2374	3083	3710	4296	4851	5358	5784	6115	6381	6624	6850	7018	7114	7137
35	11.5	11.2	74.7	417	966	1682	2419	3067	3647	4191	4699	5157	5540	5833	6078	6299	6489	6622	6688
40	9.99	17.5	207	616	1195	1881	2519	3130	3659	4155	4610	5008	5338	5589	5801	5987	6135	6227	6248
45	11.2	10.9	40.7	280	697	1258	1889	2521	3046	3528	3983	4399	4763	5053	5274	5459	5616	5736	5801
50	9.78	14.2	114	405	842	1388	1954	2550	3022	3458	3863	4233	4562	4798	4977	5125	5252	5340	5360
55	10.9	10.3	19.2	147	423	810	1284	1800	2265	2698	3077	3423	3738	4010	4213	4367	4488	4586	4644
60	9.66	12.6	37.3	187	443	787	1193	1620	2063	2399	2709	2995	3261	3479	3642	3757	3852	3918	3926
65	10.5	9.81	13.7	70.5	237	480	787	1129	1488	1834	2108	2357	2586	2798	2962	3081	3165	3234	3276
70	9.64	11.6	28.0	128	298	528	798	1083	1378	1602	1809	1999	2177	2322	2430	2507	2571	2614	2620
75	10.2	9.69	11.9	46.0	146	291	476	680	896	1104	1268	1417	1555	1682	1780	1852	1902	1943	1969
80	9.62	10.5	18.6	68.3	154	268	403	545	693	805	908	1003	1092	1164	1219	1257	1289	1311	1313
85	9.89	9.57	10.2	21.4	54.6	103	164	232	304	373	428	478	523	566	598	622	639	653	661
90	9.60	9.38	9.18	9.00	8.83	8.66	8.50	8.34	8.20	8.05	7.89	7.73	7.58	7.44	7.32	7.24	7.17	7.14	7.13

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-20

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:6.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: 200W	DIM.:	SERIAL No.:
MFR.: Ekspoled	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	16.8	16.8	16.8	16.8	16.7	16.6	16.5	16.4	16.2	15.8	15.4	15.0	14.9	15.2	15.9	16.4	15.5	11.8
-85	458	452	442	429	408	381	352	318	276	226	173	125	82.9	48.4	24.4	16.6	16.5	13.7
-80	893	876	853	817	768	712	648	573	472	371	273	182	108	50.3	19.7	16.8	15.2	11.8
-75	1341	1323	1293	1252	1189	1110	1023	920	796	645	489	344	219	115	42.5	17.6	16.7	13.5
-70	1770	1736	1689	1617	1519	1407	1280	1129	928	726	530	349	201	85.5	23.5	17.1	14.9	11.9
-65	2223	2194	2144	2076	1971	1838	1694	1523	1316	1064	804	563	355	182	60.6	18.5	16.8	13.3
-60	2647	2595	2525	2417	2270	2102	1912	1686	1384	1081	787	516	294	121	27.3	17.4	14.6	12.0
-55	3390	3338	3261	3164	3029	2845	2631	2387	2108	1781	1404	1027	679	379	152	32.9	16.8	13.1
-50	4079	3992	3887	3762	3580	3339	3065	2765	2439	2049	1578	1112	689	345	102	17.6	14.5	12.1
-45	4705	4632	4524	4389	4228	4010	3740	3425	3077	2688	2224	1731	1214	738	349	90.8	16.7	12.9
-40	5256	5150	5003	4835	4632	4369	4048	3672	3264	2811	2296	1735	1153	636	246	33.0	14.0	12.1
-35	5884	5805	5667	5487	5290	5055	4756	4378	3951	3486	2978	2430	1772	1132	578	179	16.8	12.6
-30	6432	6307	6120	5908	5684	5400	5031	4579	4089	3572	3014	2358	1616	926	390	48.4	13.4	12.1
-25	6578	6496	6344	6139	5919	5673	5358	4948	4476	3966	3428	2844	2114	1374	719	234	17.5	12.1
-20	6641	6516	6328	6109	5875	5589	5219	4761	4257	3724	3151	2486	1720	996	424	58.7	12.8	11.9
-15	6786	6705	6553	6346	6115	5863	5547	5134	4654	4129	3574	2974	2238	1464	773	257	18.6	11.5
-10	6850	6725	6537	6309	6067	5777	5407	4943	4426	3875	3287	2613	1823	1065	458	69.1	12.1	11.7
-5	6994	6915	6762	6552	6312	6054	5735	5321	4831	4291	3720	3104	2362	1554	827	280	19.8	10.9
0	7059	6935	6746	6509	6259	5966	5595	5126	4594	4027	3424	2741	1927	1135	492	79.4	11.4	11.4
5	7202	7124	6971	6759	6508	6244	5924	5507	5009	4454	3865	3234	2487	1644	880	304	20.9	10.4
10	7268	7144	6955	6710	6451	6154	5783	5308	4762	4178	3560	2868	2030	1205	526	89.8	10.8	11.2
15	7410	7334	7180	6965	6704	6434	6113	5693	5187	4616	4011	3364	2611	1734	934	327	22.1	9.77
20	7477	7353	7163	6910	6643	6343	5971	5490	4930	4329	3697	2996	2134	1274	561	100	10.1	11.0
25	7320	7241	7083	6864	6607	6336	6013	5595	5087	4522	3924	3281	2519	1658	884	303	19.7	9.42
30	7087	6955	6753	6513	6254	5959	5581	5109	4570	4002	3398	2680	1876	1081	456	69.4	10.1	10.8
35	6681	6598	6443	6236	6005	5743	5422	5018	4538	4016	3459	2833	2110	1351	695	222	15.9	9.32
40	6194	6070	5893	5687	5452	5168	4798	4365	3886	3372	2796	2127	1438	800	313	42.9	9.55	10.6
45	5791	5705	5566	5391	5191	4946	4628	4247	3816	3356	2847	2233	1600	980	471	129	14.0	9.25
50	5302	5184	5034	4861	4651	4376	4014	3621	3202	2743	2194	1574	1001	518	170	16.4	9.01	10.4
55	4634	4562	4446	4307	4138	3910	3623	3295	2939	2544	2077	1551	1051	605	260	52.3	12.2	9.23
60	3892	3810	3696	3560	3365	3123	2843	2549	2215	1793	1337	914	547	251	57.7	13.8	8.82	10.3
65	3269	3221	3139	3039	2911	2729	2514	2275	2021	1720	1346	975	633	349	137	20.0	11.0	9.34
70	2597	2543	2467	2376	2246	2084	1898	1702	1480	1198	894	613	367	171	41.6	12.4	9.10	10.2
75	1964	1936	1886	1826	1750	1641	1511	1368	1216	1035	811	589	383	213	85.6	15.7	10.4	9.50
80	1302	1275	1237	1192	1127	1046	953	855	744	603	451	311	188	89.8	25.4	10.9	9.38	10.0
85	660	650	634	614	588	552	509	461	411	351	276	202	134	77.0	34.6	11.5	9.85	9.66
90	7.15	7.20	7.29	7.39	7.52	7.67	7.83	8.00	8.18	8.35	8.51	8.68	8.87	9.06	9.25	9.47	9.66	9.86

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-05-20

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:6.000m [K=1.0000]
Remarks: