

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

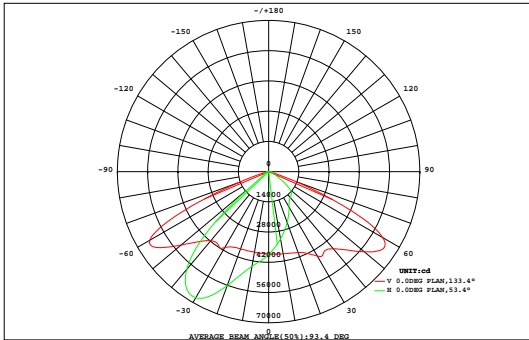
Maximum Intensity (Luminaire orientation as tested.)		540.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	111.0V x 138.3H 73.5V x 125.7H 19.6V x 111.5H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 966.7 lumens per klm. 687.1 lumens per klm. 115.3 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:--
Test Date:2017-03-23

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:4.589A P:993.7W PF:0.9838 Lamp Flux:138140x1 lm		
NAME: 1000W LED FLOOD LIGHT	TYPE:4000K	WEIGHT:
DIM.: PHILIPS LUMILEDS	SPEC.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:139.02lm/W	
MODEL	QH-FLHG-1000W	Imax(cd)	74657
NOMINAL POWER(W)	993.689	AVAILABILITY(%)	96.7
RATED VOLTAGE(V)	220.0	Avai. FLUX(lm)	133549
NOMINAL FLUX(lm)	138140	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	138140
TEST VOLTAGE(V)	220.111	θ @50%(H,V)	126,73DEG

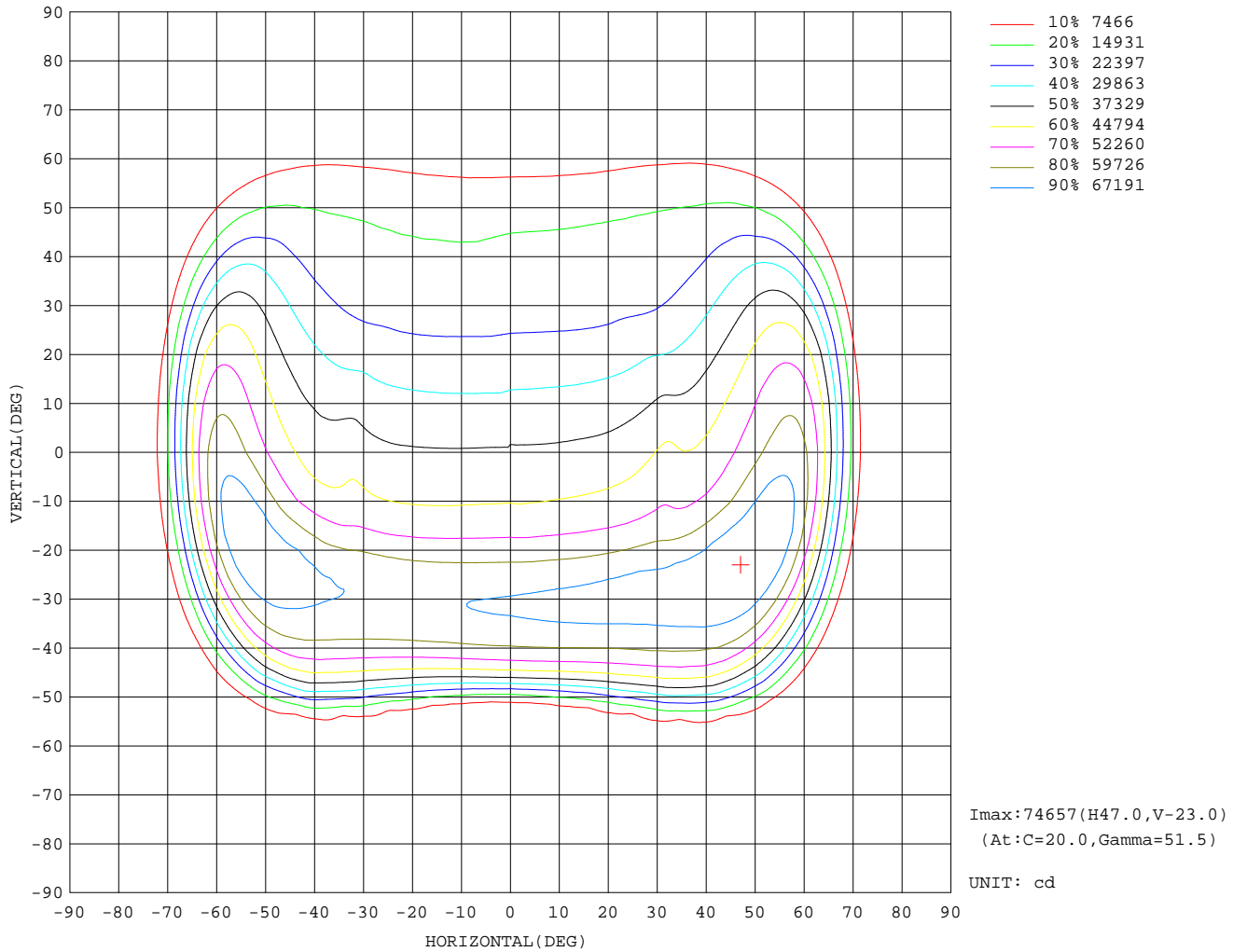
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.08	0.56	1.52	3.08	5.39	9.24	13.4	19.3	27.5	27.3	19.4	13.7	9.60	5.75	3.46	1.80	0.72	0.12		
90	0.08	0.56	1.52	3.08	5.39	9.24	13.4	19.3	27.5	27.3	19.4	13.7	9.60	5.75	3.46	1.80	0.72	0.12	162	0.00
80	0.25	2.35	6.47	13.4	22.4	31.8	37.7	42.2	46.1	46.2	42.6	37.9	31.7	22.1	13.1	6.38	2.34	0.30	405	0.00
70	0.48	4.62	12.4	30.5	61.6	85.7	84.4	83.0	88.5	89.8	85.4	87.3	87.2	61.5	30.2	12.1	4.26	0.51	910	0.00
60	0.74	6.71	27.5	122	221	260	269	262	261	267	274	284	272	225	117	26.0	6.08	0.72	2902	2302
50	0.97	8.94	88.3	332	417	406	413	428	441	449	443	435	434	444	321	78.5	8.24	0.91	5147	5059
40	1.16	14.1	213	575	570	503	488	496	507	515	513	515	549	635	577	190	12.1	1.08	6876	6817
30	1.29	22.9	365	760	707	632	626	637	656	670	664	673	701	797	783	332	18.9	1.20	9045	9000
20	1.37	33.1	485	886	825	794	806	824	848	866	860	875	883	932	925	446	26.9	1.27	11317	11278
10	1.38	39.0	553	993	935	956	984	1018	1048	1065	1056	1068	1060	1048	1031	510	32.0	1.30	13398	13359
0	1.36	36.9	560	1121	1079	1098	1153	1203	1247	1255	1245	1246	1207	1188	1143	514	30.3	1.29	15328	15289
-10	1.31	28.1	490	1220	1330	1332	1392	1449	1498	1509	1501	1484	1429	1420	1217	447	22.9	1.24	17771	17728
-20	1.20	18.2	342	1135	1496	1632	1757	1842	1899	1913	1891	1835	1720	1568	1114	310	15.2	1.14	20492	20439
-30	1.05	11.6	164	836	1353	1576	1744	1880	1967	1989	1945	1836	1674	1402	807	147	10.4	1.01	19344	19271
-40	0.86	8.55	47.1	358	855	1075	1134	1161	1197	1230	1245	1249	1177	885	348	40.5	7.91	0.85	12020	11908
-50	0.65	6.29	18.7	53.4	151	210	179	142	130	136	163	219	255	169	53.5	18.0	5.83	0.67	1911	1098
-60	0.45	4.20	11.7	20.5	31.6	42.5	52.1	58.2	62.3	63.6	61.3	55.3	44.9	33.6	21.8	11.4	3.98	0.48	580	0.00
-70	0.25	2.26	6.42	12.0	22.2	32.6	35.6	38.4	40.3	41.1	40.1	38.0	34.1	23.1	12.4	6.40	2.27	0.29	388	0.00
-80	0.08	0.62	1.79	3.72	7.57	12.7	15.1	14.8	14.1	14.6	15.8	16.4	13.4	7.77	3.87	1.85	0.70	0.12	145	0.00
-90	0.08	0.62	1.79	3.72	7.57	12.7	15.1	14.8	14.1	14.6	15.8	16.4	13.4	7.77	3.87	1.85	0.70	0.12	145	0.00
Φ t	14.9	249	3393	8474	10091	10688	11184	11597	11977	12144	12066	11967	11581	10868	8522	3098	211	14.51	138140	---
Φ a	0.00	66.9	3192	8280	9862	10405	10842	11196	11527	11690	11667	11624	11298	10644	8328	2892	35.4	0.00	---	133549

one-half-peak spread: U:22.6,D:51.5 , L:12.2,R:1NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:--
Test Date:2017-03-23

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

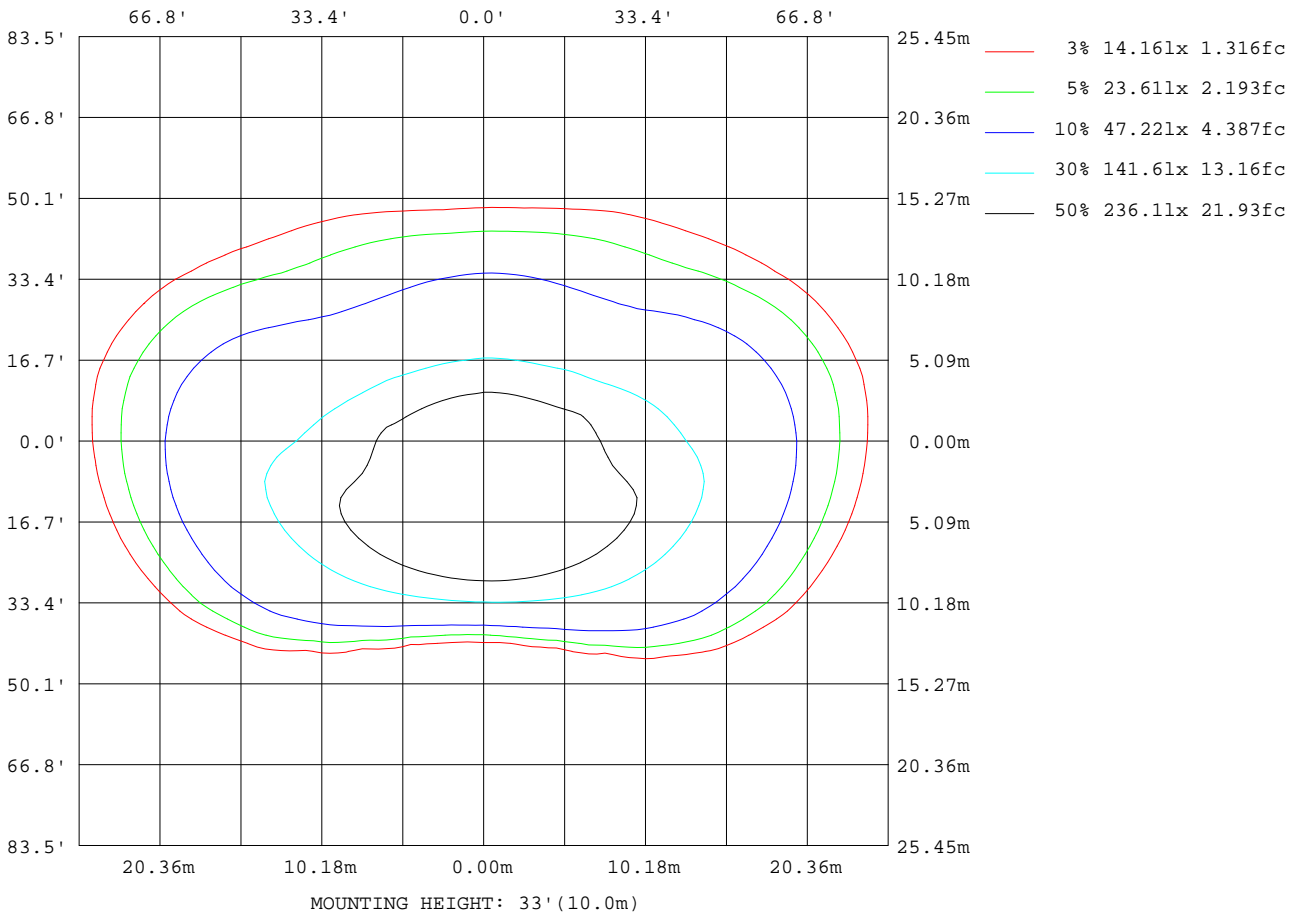
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:--
 Test Date:2017-03-23

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

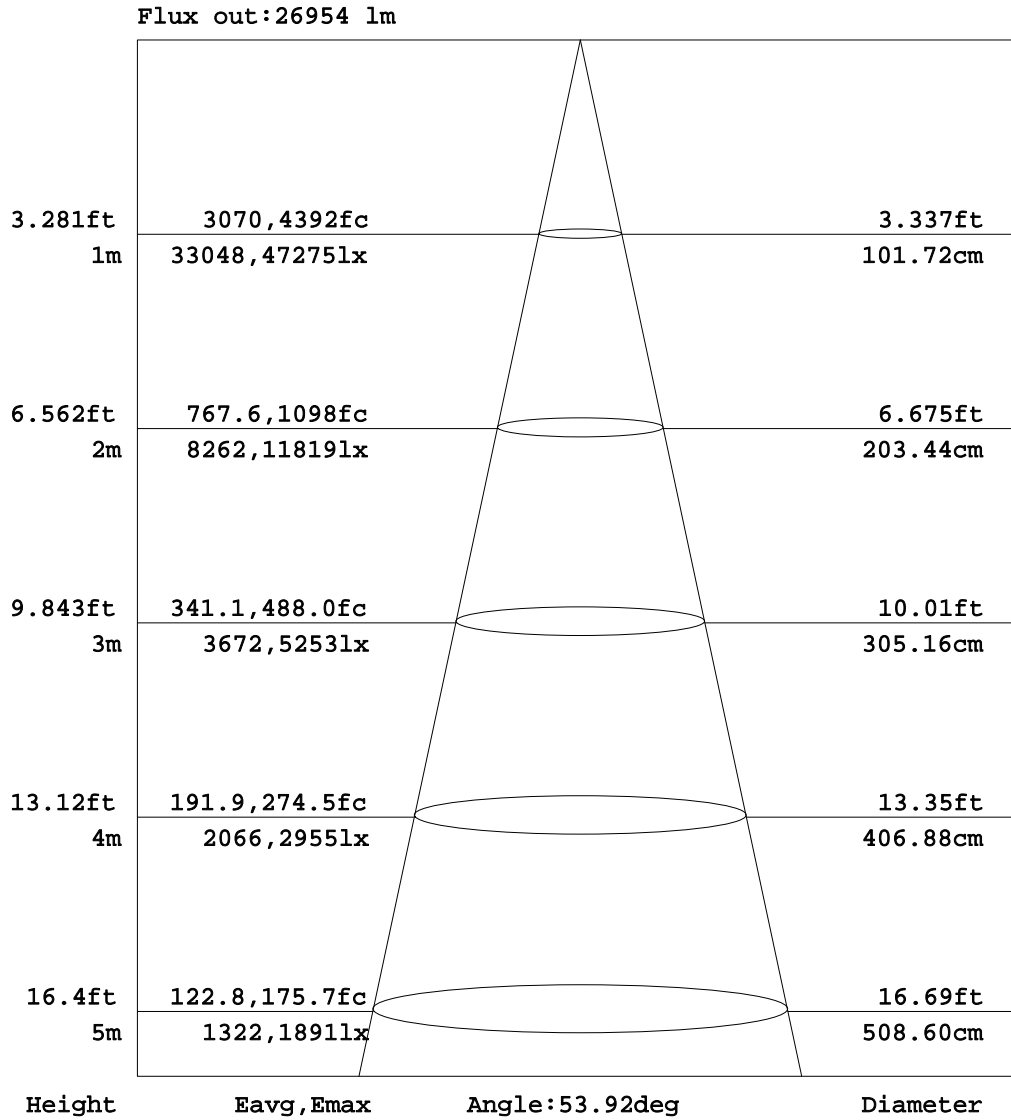
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:--
Test Date:2017-03-23

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI Figure



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: MEDIUM
 Temperature: 25.3DEG
 Operators: --
 Test Date: 2017-03-23

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE GO-R3000_V2 SYSTEM V2.0.265
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: ×10cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	1.57	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
-170	1.57	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
-160	1.57	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
-150	1.57	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
-140	1.57	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
-130	1.57	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
-120	1.57	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
-110	1.57	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
-100	1.57	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	1.57	1.49	1.40	1.29	1.19	1.10	1.04	1.02	1.04	1.10	1.16	1.21	1.24	1.23	1.20	1.18	1.15	1.13	1.11
-80	1.57	3.82	10.3	16.4	23.8	30.8	36.6	44.5	55.6	73.9	92.3	99.0	98.9	99.4	100.0	98.5	96.7	96.0	95.8
-70	1.57	8.66	22.2	38.2	56.1	69.0	79.7	91.7	105	130	153	154	156	160	160	163	167	169	170
-60	1.57	13.4	35.1	63.7	90.6	115	133	147	161	181	181	206	196	225	230	243	247	252	256
-50	1.57	18.3	49.6	88.9	132	176	305	637	1400	2035	2496	2436	2270	1967	1717	1443	1317	1209	1188
-40	1.57	23.2	62.7	115	187	501	1697	3548	4939	5557	5702	5680	5662	5656	5674	5720	5781	5849	5884
-30	1.57	27.5	74.2	142	387	1599	4085	5985	6763	6875	6786	6705	6665	6680	6682	6681	6704	6719	6741
-20	1.57	30.7	83.6	177	767	3101	5822	7142	7182	6832	6369	6049	5922	5744	5639	5592	5581	5592	5610
-10	1.57	32.5	89.5	233	1219	4121	6509	7011	6347	5466	4906	4698	4658	4489	4425	4410	4413	4433	4452
0	1.57	33.1	91.3	279	1482	4475	6353	6137	5279	4589	4170	4104	4061	3862	3807	3789	3788	3798	3814
10	1.57	33.3	91.3	249	1403	4186	5777	5488	4703	4081	3663	3507	3417	3242	3168	3130	3118	3123	3166
20	1.57	32.0	87.7	186	1036	3387	4946	4861	4183	3562	3101	2825	2711	2578	2506	2474	2467	2465	2511
30	1.57	29.0	80.8	142	578	2144	3717	4031	3566	2975	2524	2234	2054	1965	1904	1868	1855	1854	1889
40	1.57	24.5	71.0	116	279	952	2075	2735	2678	2316	2004	1799	1686	1611	1565	1549	1539	1543	1560
50	1.57	19.5	58.0	96.0	127	322	736	1241	1502	1538	1469	1414	1374	1344	1316	1309	1292	1294	1309
60	1.57	13.7	41.7	72.0	91.0	115	171	309	445	560	630	643	607	561	512	474	463	463	469
70	1.57	8.17	24.5	43.1	58.3	71.1	92.1	113	132	150	167	175	173	168	166	167	169	172	175
80	1.57	3.37	9.39	15.8	21.2	27.7	32.3	41.3	50.9	58.4	66.7	79.7	93.0	99.1	107	127	150	168	177
90	1.57	1.65	1.69	1.66	1.59	1.50	1.40	1.31	1.24	1.21	1.20	1.19	1.20	1.21	1.25	1.32	1.45	1.75	2.01
100	1.57	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
110	1.57	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
120	1.57	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
130	1.57	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
140	1.57	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
150	1.57	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
160	1.57	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
170	1.57	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
180	1.57	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: MEDIUM
Temperature:25.3DEG
Operators:--
Test Date:2017-03-23

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: ×10cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	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	2.36
-170	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	2.36
-160	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	2.36
-150	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	2.36
-140	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	2.36
-130	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	2.36
-120	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	2.36
-110	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	2.36
-100	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	2.36
-90	1.39	1.58	1.65	1.67	1.71	1.72	1.67	1.59	1.51	1.44	1.43	1.46	1.57	1.72	1.87	2.04	2.21	2.36	
-80	98.5	101	103	104	106	106	104	94.8	75.8	58.2	46.7	37.8	31.1	24.3	17.3	11.8	5.42	2.36	
-70	173	173	171	169	171	165	156	151	134	110	94.7	80.1	67.9	53.8	37.3	23.3	10.4	2.36	
-60	257	257	256	244	243	208	225	201	201	180	158	135	110	84.3	59.1	34.9	15.1	2.36	
-50	1354	1547	1721	2080	2387	2724	2858	2763	2240	1443	627	244	168	123	82.0	46.1	19.9	2.36	
-40	5936	5958	5967	5986	6030	6078	6089	6032	5710	4867	3390	1583	385	169	108	57.7	24.4	2.36	
-30	6778	6820	6871	6939	6982	6998	7094	7186	7197	6846	5781	3789	1444	307	130	68.3	28.4	2.36	
-20	5622	5682	5761	5877	6045	6231	6388	6757	7222	7422	7041	5464	2772	634	156	77.1	31.2	2.36	
-10	4459	4512	4578	4674	4847	5113	5098	5392	5964	6712	7059	6176	3720	1049	188	82.7	32.9	2.36	
0	3831	3863	3910	3990	4174	4511	4502	4662	5131	5769	6330	6093	4053	1308	209	84.3	33.4	2.36	
10	3187	3212	3267	3355	3517	3807	3869	4130	4613	5210	5744	5591	3795	1220	198	83.3	33.3	2.36	
20	2526	2546	2580	2653	2801	2967	3136	3518	4043	4634	5062	4767	3036	855	164	79.1	31.9	2.36	
30	1898	1911	1943	2014	2088	2208	2462	2856	3365	3878	4104	3508	1891	483	132	72.4	29.2	2.36	
40	1566	1576	1599	1635	1693	1793	1944	2211	2560	2801	2673	1882	824	229	106	63.4	25.3	2.36	
50	1323	1339	1362	1380	1415	1451	1496	1555	1597	1490	1175	676	276	127	85.0	51.6	20.7	2.36	
60	466	471	486	529	595	635	666	647	565	439	295	172	118	84.3	64.8	38.4	15.4	2.36	
70	173	172	170	169	169	174	176	168	149	129	110	88.4	68.9	55.3	40.1	25.1	10.2	2.36	
80	167	148	126	107	99.2	93.4	80.1	66.7	58.9	51.8	42.3	34.3	29.1	23.4	17.7	11.6	5.31	2.36	
90	2.00	1.90	1.80	1.70	1.67	1.67	1.69	1.74	1.80	1.89	2.02	2.16	2.32	2.46	2.53	2.55	2.48	2.36	
100	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	2.36
110	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	2.36
120	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	2.36
130	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	2.36
140	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	2.36
150	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	2.36
160	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	2.36
170	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	2.36
180	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	2.36

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:--
Test Date:2017-03-23

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R3000_V2 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: