

NAME: Sαâ→ÁFÍ	TYPE:ÁFÏÛÊÁHèèèP	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Qæã↔^~	SUR.:	Shielding Angle:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	241.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	152.4V x 180.0H
	At 50% of Imax	101.2V x 173.7H
	At 90% of Imax	36.1V x 57.5H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	976.0 lumens per klm.
	To 50% of Imax	649.7 lumens per klm.
	To 90% of Imax	100.1 lumens per klm.

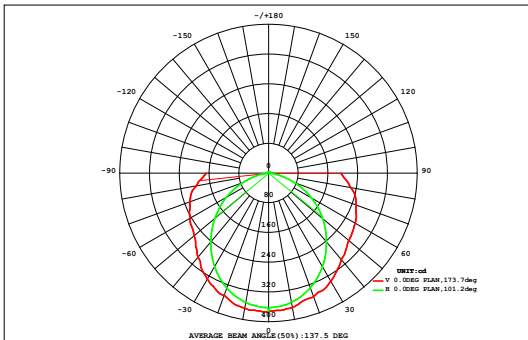
	Upward LOR	16.5 %
	Downward LOR	83.5 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:11.800m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT



DATA OF LAMP		Eff:86.36lm/W	
MODEL	136A	Imax (cd)	373.5
NOMINAL POWER(W)	17.9321	AVAILABILITY(%)	97.2
RATED VOLTAGE (V)	230	Avai. FLUX(lm)	1506
NOMINAL FLUX(lm)	1548.63	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1549
TEST VOLTAGE (V)	230	θ @50% (H,V)	174,101DEG

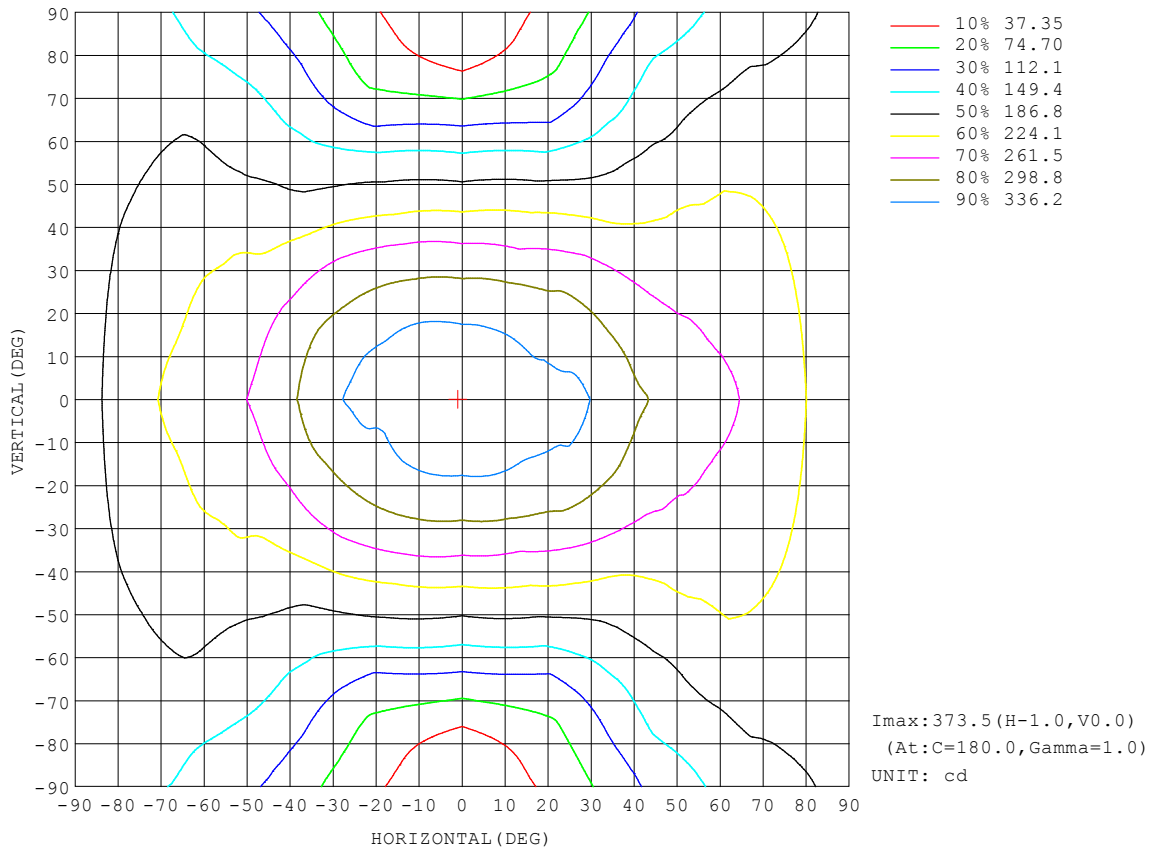
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.43	1.25	1.93	2.34	2.50	2.21	1.63	1.07	0.51	0.57	1.26	1.91	2.57	2.90	2.70	2.22	1.44	0.50	30.0	28.1	
80	0.44	1.31	2.11	2.67	2.96	2.73	2.17	1.80	1.53	1.60	2.00	2.49	3.12	3.37	3.03	2.40	1.50	0.51	37.8	37.4	
70	0.45	1.38	2.30	2.98	3.34	3.34	3.13	3.12	3.19	3.22	3.22	3.36	3.73	3.76	3.34	2.59	1.57	0.52	48.5	48.5	
60	0.46	1.45	2.49	3.25	3.79	4.15	4.50	4.82	4.97	4.98	4.83	4.64	4.50	4.21	3.62	2.78	1.64	0.53	61.6	61.6	
50	0.47	1.52	2.62	3.55	4.29	5.01	5.79	6.32	6.60	6.61	6.37	5.91	5.27	4.67	3.92	2.91	1.71	0.54	74.1	74.1	
40	0.48	1.57	2.72	3.84	4.81	5.94	7.06	7.80	8.14	8.08	7.71	7.11	6.13	5.15	4.20	3.02	1.77	0.55	86.1	86.1	
30	0.49	1.62	2.83	4.05	5.28	6.74	8.08	8.99	9.45	9.39	8.91	8.12	6.87	5.59	4.41	3.13	1.82	0.55	96.3	96.3	
	0.49	1.66	2.92	4.22	5.65	7.33	8.81	9.88	10.4	10.3	9.68	8.79	7.42	5.94	4.59	3.23	1.86	0.56	104	104	
	0.50	1.69	2.99	4.36	5.89	7.70	9.29	10.4	11.0	10.8	10.2	9.30	7.84	6.21	4.74	3.32	1.89	0.57	109	109	
	0.50	1.69	2.99	4.35	5.87	7.64	9.19	10.3	10.8	10.9	10.4	9.40	7.90	6.24	4.76	3.32	1.89	0.57	109	109	
	0.49	1.65	2.91	4.19	5.57	7.19	8.64	9.73	10.3	10.4	9.82	8.96	7.56	6.01	4.62	3.24	1.86	0.56	104	104	
	0.49	1.62	2.81	4.01	5.18	6.61	7.96	8.92	9.43	9.43	8.99	8.21	6.97	5.68	4.46	3.15	1.82	0.56	96.3	96.3	
-30	0.48	1.57	2.70	3.79	4.74	5.85	6.98	7.76	8.14	8.11	7.75	7.15	6.18	5.20	4.25	3.05	1.78	0.55	86.0	86.0	
-40	0.47	1.51	2.59	3.51	4.25	4.96	5.76	6.32	6.58	6.59	6.36	5.91	5.26	4.68	3.96	2.94	1.72	0.54	73.9	73.9	
-50	0.46	1.44	2.46	3.22	3.78	4.14	4.49	4.82	4.95	4.94	4.80	4.60	4.46	4.19	3.64	2.80	1.65	0.53	61.4	61.4	
-60	0.45	1.37	2.28	2.96	3.34	3.36	3.16	3.13	3.16	3.17	3.16	3.30	3.66	3.72	3.35	2.62	1.58	0.52	48.3	48.3	
-70	0.44	1.30	2.09	2.66	2.97	2.77	2.25	1.85	1.53	1.55	1.91	2.38	3.03	3.31	3.02	2.42	1.51	0.51	37.5	37.1	
-80	0.43	1.25	1.92	2.34	2.51	2.25	1.71	1.14	0.53	0.54	1.17	1.81	2.48	2.83	2.68	2.23	1.45	0.50	29.8	27.9	
-90																					
	Φ t	8.41	26.9	45.6	62.3	76.7	89.9	101	108	111	111	109	103	95.0	83.7	69.3	51.4	30.5	9.66	1292	---
	Φ a	8.41	26.9	45.6	62.3	76.7	89.9	101	107	110	110	108	103	95.0	83.7	69.3	51.4	30.5	9.66	---	1288

one-half-peak spread: U:50.8,D:51.0 , L:63.2,R:82.3 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:11.800m [K=1.0000]
Remarks:

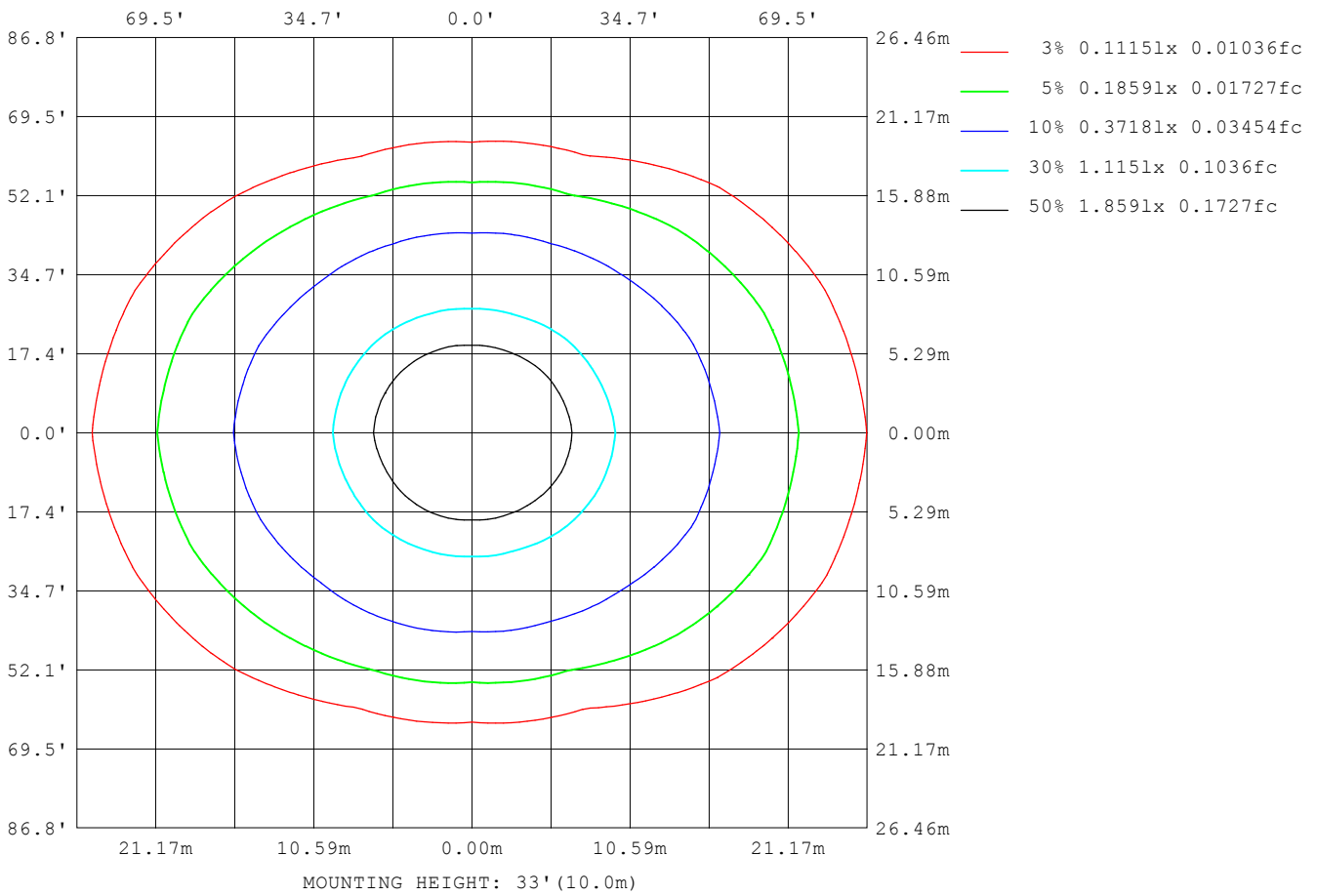
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
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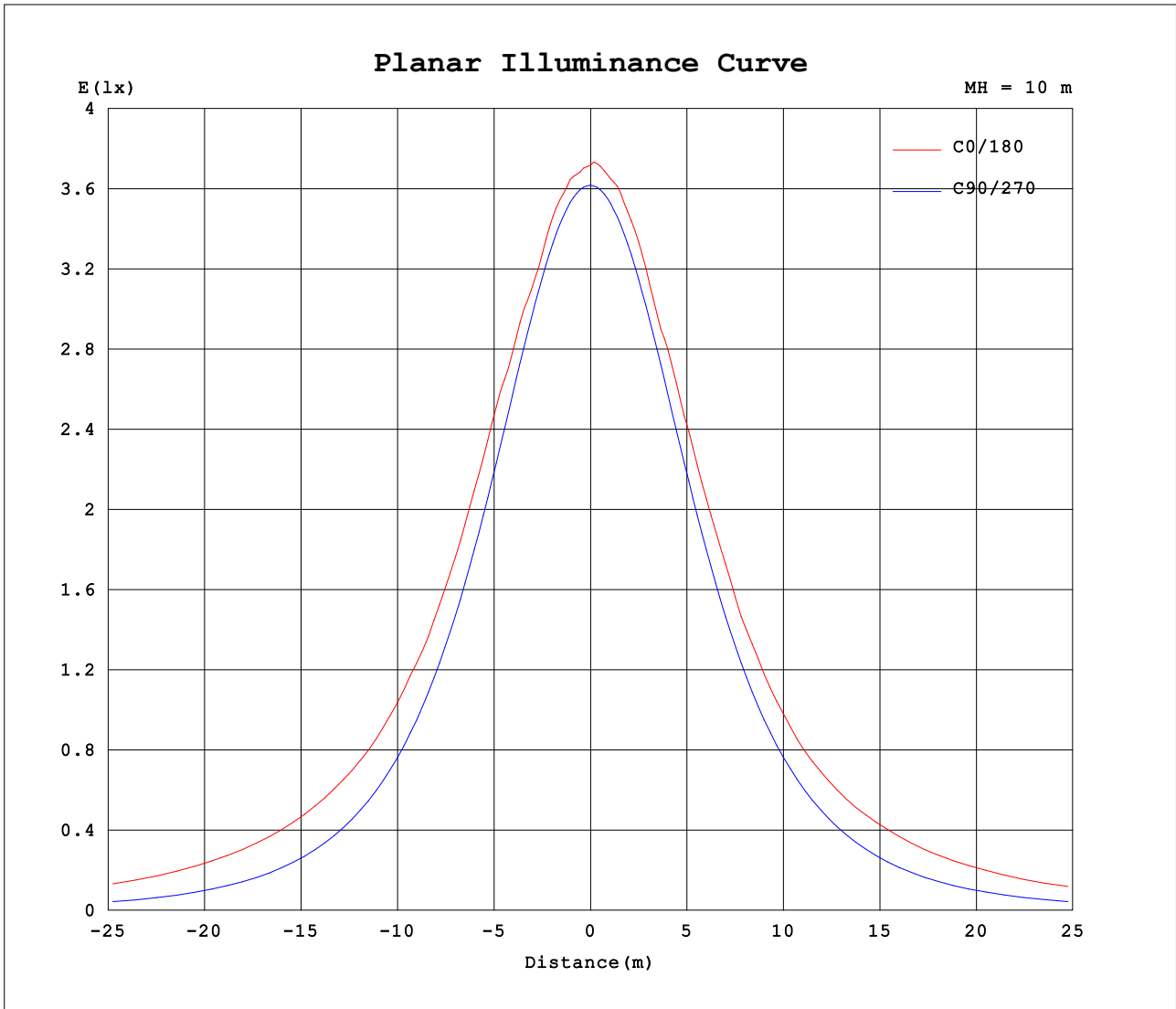
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-01-12

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:11.800m [K=1.0000]
 Remarks:

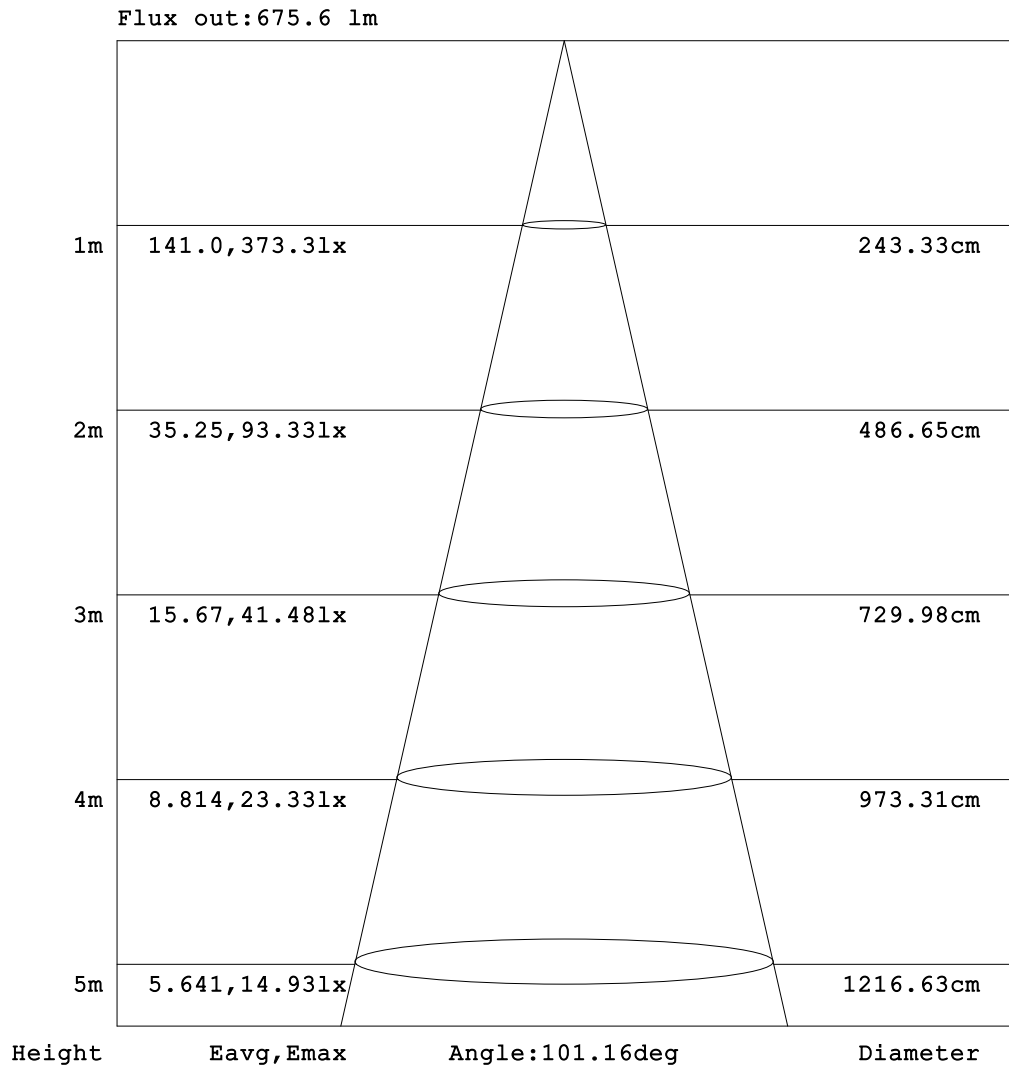
Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-01-12

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:11.800m [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: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:11.800m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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
-180	167	155	140	125	108	87.7	69.1	52.9	37.7	19.7	12.1	8.35	6.28	4.61	3.61	3.48	3.47	3.50	3.44
-170	167	154	139	123	106	85.9	67.6	51.7	36.1	19.1	11.6	8.13	6.15	4.56	3.60	3.39	3.36	3.37	3.36
-160	167	154	139	124	107	86.7	69.5	53.9	39.3	22.9	12.5	8.70	6.45	4.73	3.61	3.29	3.18	3.14	3.11
-150	167	154	140	126	109	90.8	74.5	59.4	45.4	30.1	17.1	9.83	7.28	5.28	4.06	3.28	2.96	2.91	2.86
-140	167	155	142	130	113	98.5	82.0	66.4	51.6	36.4	23.1	13.3	8.77	6.07	4.30	2.92	2.76	2.67	2.57
-130	167	155	145	132	121	106	92.3	74.9	60.6	46.6	34.8	23.1	14.2	8.68	5.30	3.66	3.07	2.60	2.19
-120	167	156	148	137	127	117	101	87.2	72.9	59.4	46.6	34.8	24.4	15.2	7.24	5.41	4.15	3.02	1.95
-110	167	157	150	143	134	125	113	101	87.4	75.5	62.4	48.7	35.9	24.1	14.5	10.7	7.38	4.47	1.75
-100	167	160	153	148	142	135	125	114	103	92.0	78.7	65.3	52.0	38.8	28.4	21.6	15.1	8.67	2.36
-90	167	163	159	155	151	144	135	126	118	109	94.9	81.1	67.2	53.4	41.6	31.8	22.1	12.3	2.53
-80	167	166	164	162	160	155	149	143	136	129	116	101	86.4	70.8	57.5	47.5	37.6	27.7	17.6
-70	167	168	168	169	172	171	166	162	156	148	136	122	108	95.0	84.5	81.8	79.0	75.8	71.8
-60	167	170	174	179	181	187	184	178	171	165	159	150	143	138	133	135	136	135	132
-50	167	172	181	186	194	197	197	192	189	187	183	181	183	187	190	191	192	191	189
-40	167	175	186	195	203	206	207	211	209	208	211	217	224	231	237	239	243	244	242
-30	167	177	189	203	210	214	220	223	227	231	238	251	264	273	281	287	291	292	291
-20	167	179	193	208	216	221	229	236	240	249	263	276	292	303	310	318	327	330	329
-10	167	180	195	213	221	228	237	244	252	266	282	300	313	323	331	341	348	351	354
0	167	181	197	216	225	234	244	252	262	278	295	315	329	342	350	363	369	371	372
10	167	180	196	213	221	229	238	246	254	269	285	304	318	330	339	348	354	354	353
20	167	179	193	209	216	222	231	238	243	253	269	282	298	308	314	322	329	331	328
30	167	177	190	203	211	215	222	226	231	235	243	256	268	277	283	288	291	292	290
40	167	175	186	196	204	208	210	214	211	211	214	220	227	233	238	240	244	244	242
50	167	173	181	187	196	200	199	194	191	188	184	182	184	188	189	191	192	192	190
60	167	171	174	180	183	189	185	179	172	165	159	150	143	138	133	136	136	135	133
70	167	168	169	171	173	172	168	163	156	148	135	120	106	92.5	82.0	80.4	78.6	76.3	73.2
80	167	166	164	163	161	157	150	144	137	129	115	99.9	84.0	67.7	54.4	45.5	36.6	27.6	18.5
90	167	164	160	156	152	145	136	127	117	108	93.7	79.4	65.1	50.8	39.1	29.9	20.8	11.6	2.42
100	167	160	154	148	143	136	125	114	102	91.2	77.5	63.6	50.0	36.5	26.1	19.8	13.7	7.84	2.02
110	167	158	151	144	135	125	114	101	87.0	74.7	61.3	47.4	34.3	22.1	12.5	9.17	6.38	3.92	1.62
120	167	156	148	137	128	118	102	87.1	72.4	58.6	45.6	33.8	23.4	14.3	6.44	4.79	3.69	2.72	1.81
130	167	155	145	133	121	107	92.6	74.7	60.2	45.9	33.8	22.0	13.3	8.05	4.81	3.24	2.77	2.42	2.10
140	167	155	142	130	113	98.8	82.1	66.3	51.2	35.7	22.5	12.9	8.37	5.74	4.07	2.75	2.63	2.54	2.45
150	167	154	140	127	109	90.9	74.5	59.3	45.0	29.6	16.6	9.61	7.03	5.08	3.90	3.15	2.85	2.84	2.80
160	167	154	139	124	107	86.7	69.4	53.7	38.9	22.4	12.4	8.54	6.34	4.62	3.52	3.23	3.12	3.10	3.09
170	167	155	139	123	106	85.9	67.6	51.6	35.9	19.0	11.4	8.08	6.09	4.47	3.53	3.35	3.34	3.32	3.31
180	167	155	140	125	108	87.7	69.1	52.9	37.7	19.7	12.1	8.35	6.28	4.61	3.61	3.48	3.47	3.50	3.46

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:11.800m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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
-180	3.53	3.59	3.66	3.88	4.89	6.58	8.74	14.4	28.5	45.5	62.8	80.8	99.5	123	145	163	179	193
-170	3.36	3.35	3.44	3.62	4.35	5.83	7.96	13.5	26.7	43.9	61.1	79.1	98.1	122	144	162	179	193
-160	3.15	3.20	3.29	3.51	4.36	5.70	8.58	15.6	30.9	46.7	63.3	81.2	100	123	145	162	178	193
-150	2.94	3.01	3.21	3.72	4.61	6.49	11.1	22.0	36.7	54.0	69.2	86.0	106	127	147	163	178	193
-140	2.67	2.76	2.87	3.89	5.56	8.49	14.7	27.1	42.5	59.1	77.6	94.9	115	134	151	166	179	193
-130	2.52	2.89	3.35	5.14	9.41	15.7	24.3	37.0	53.1	68.5	86.8	108	126	142	155	169	180	193
-120	2.93	3.99	5.23	7.21	16.2	26.5	38.3	51.8	66.4	83.4	101	120	139	149	161	172	181	193
-110	4.87	8.15	11.8	15.8	26.4	39.8	53.9	68.7	84.3	100	116	132	148	159	167	175	183	193
-100	9.06	15.9	22.8	30.1	41.8	57.1	73.0	89.4	106	119	132	145	157	166	172	179	186	193
-90	12.7	22.8	33.0	43.1	56.5	73.1	89.8	106	123	134	146	157	168	176	181	185	189	193
-80	28.3	38.8	49.2	59.6	74.7	93.2	111	129	146	155	164	172	181	186	188	190	192	193
-70	76.3	80.2	83.5	86.7	100.0	116	133	150	165	175	184	191	196	198	196	195	195	193
-60	134	136	135	134	142	152	163	175	184	192	200	208	213	209	205	201	197	193
-50	191	192	191	190	190	191	194	200	207	213	217	223	224	221	213	207	199	193
-40	244	242	239	240	238	233	229	227	229	233	238	235	233	229	222	212	201	193
-30	292	290	287	286	281	273	265	257	253	254	250	247	240	236	229	216	204	193
-20	329	326	322	318	312	305	293	282	272	265	260	256	248	242	234	219	206	193
-10	353	352	345	341	337	326	311	296	285	274	269	263	255	247	238	222	207	193
0	370	367	356	353	348	335	321	304	293	282	276	269	260	251	242	224	208	193
10	350	347	338	333	330	320	307	293	283	273	268	262	254	246	238	222	207	193
20	327	323	318	314	308	300	287	277	267	262	258	254	247	241	233	219	206	193
30	291	287	285	283	279	270	263	254	249	250	247	245	239	235	228	215	203	193
40	243	242	239	240	238	233	228	226	228	231	235	232	231	228	221	211	201	193
50	192	193	192	191	192	192	195	201	207	212	216	221	222	219	212	206	199	193
60	136	137	136	135	144	153	164	177	186	192	200	207	211	207	204	200	197	193
70	78.1	82.4	86.2	90.0	103	120	136	153	167	176	184	190	195	196	195	194	194	193
80	29.9	41.2	52.4	63.6	79.0	97.2	115	132	148	157	165	172	180	185	187	190	192	193
90	13.4	24.4	35.4	46.4	60.1	76.6	93.1	110	126	136	147	157	167	175	180	184	189	193
100	9.07	16.3	23.7	31.5	42.1	54.5	67.2	82.1	99.9	116	131	144	156	165	171	178	186	193
110	4.88	8.25	11.9	15.8	26.5	40.0	54.0	68.6	83.5	96.8	108	120	137	154	166	174	183	193
120	2.96	4.19	5.59	7.66	16.6	26.6	38.6	52.1	65.9	80.9	93.0	107	126	138	157	171	181	193
130	2.49	2.94	3.47	5.45	10.1	16.4	24.5	37.5	52.4	67.4	84.9	101	113	132	148	167	179	193
140	2.54	2.63	2.78	4.02	5.89	8.69	15.0	27.6	42.1	57.7	75.4	92.7	110	125	145	163	179	193
150	2.83	2.82	3.09	3.72	4.73	6.43	11.3	21.8	35.7	52.7	67.5	84.4	104	121	142	161	178	193
160	3.11	3.12	3.16	3.44	4.35	5.65	8.42	15.0	30.6	45.6	62.5	80.0	99.2	120	141	160	178	193
170	3.31	3.34	3.30	3.46	4.31	5.74	7.87	13.1	26.6	43.3	60.7	78.5	97.6	121	142	161	178	193
180	3.53	3.59	3.66	3.88	4.89	6.58	8.74	14.4	28.5	45.5	62.8	80.8	99.5	123	145	163	179	193

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
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Temperature:25.3DEG
Operators:
Test Date:2016-01-12

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
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Remarks: