

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

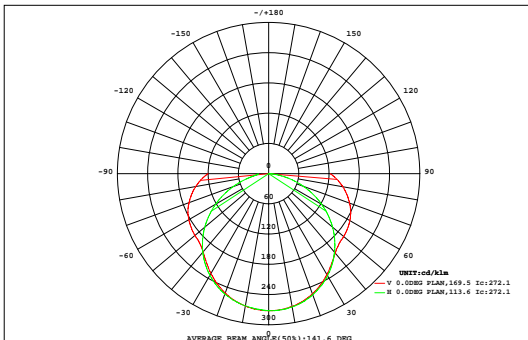
Maximum Intensity (Luminaire orientation as tested.)		272.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	161.9V x 180.0H 113.6V x 169.5H 50.4V x 47.9H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 997.6 lumens per klm. 800.6 lumens per klm. 145.4 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: 袁冠彬
Test Date: 2017-09-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.25V I:0.2246A P:26.848W PF:0.9940 Freq:59.98Hz Lamp Flux:1225.14x1 lm		
NAME: PSDW071833LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.385*0.16+0.03*0.125	Shielding Angle:



DATA OF LAMP		Eff:45.63lm/W	
MODEL	LED	Imax(cd/klm)	272.1
NOMINAL POWER(W)	30	AVAILABILITY(%)	99.9
RATED VOLTAGE(V)	120	Avai. FLUX(lm/klm)	998.7
NOMINAL FLUX(lm)	1225.14	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000.0
TEST VOLTAGE(V)	120	θ @50%(H,V)	170,114DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm/klm		Φ t	Φ a		
	0.32	0.95	1.53	1.94	2.11	2.10	1.89	1.50	1.01	1.00	1.49	1.88	2.07	2.08	1.92	1.51	0.93			0.32	26.5
80	0.33	1.01	1.68	2.22	2.53	2.65	2.56	2.27	1.85	1.85	2.26	2.54	2.62	2.50	2.20	1.65	0.99	0.33	34.0	34.0	
70	0.34	1.06	1.81	2.49	2.92	3.16	3.22	3.23	3.10	3.09	3.20	3.19	3.12	2.88	2.46	1.79	1.05	0.33	42.5	42.5	
60	0.35	1.11	1.94	2.73	3.28	3.62	3.87	4.20	4.38	4.37	4.17	3.83	3.58	3.24	2.70	1.91	1.10	0.34	50.7	50.7	
50	0.35	1.16	2.04	2.92	3.60	4.13	4.67	5.24	5.58	5.57	5.20	4.62	4.08	3.56	2.89	2.01	1.14	0.35	59.1	59.1	
40	0.36	1.20	2.13	3.05	3.85	4.57	5.42	6.18	6.60	6.58	6.14	5.37	4.52	3.81	3.01	2.10	1.18	0.36	66.4	66.4	
30	0.37	1.23	2.20	3.16	4.01	4.94	6.01	6.90	7.37	7.35	6.86	5.96	4.88	3.96	3.11	2.17	1.21	0.36	72.0	72.0	
	0.37	1.25	2.26	3.24	4.14	5.23	6.43	7.37	7.87	7.86	7.33	6.37	5.17	4.08	3.19	2.22	1.23	0.36	76.0	76.0	
	0.37	1.27	2.30	3.30	4.24	5.41	6.66	7.62	8.13	8.11	7.59	6.61	5.35	4.17	3.25	2.26	1.25	0.37	78.3	78.3	
	0.37	1.27	2.29	3.30	4.24	5.42	6.69	7.66	8.17	8.16	7.63	6.64	5.36	4.17	3.24	2.26	1.25	0.37	78.5	78.5	
	0.37	1.25	2.24	3.22	4.13	5.26	6.48	7.43	7.93	7.92	7.40	6.44	5.21	4.07	3.16	2.21	1.23	0.36	76.3	76.3	
-30	0.36	1.22	2.18	3.12	3.97	4.95	6.05	6.93	7.40	7.39	6.90	6.01	4.91	3.92	3.07	2.15	1.20	0.36	72.1	72.1	
-40	0.36	1.18	2.10	2.99	3.77	4.53	5.42	6.18	6.61	6.60	6.15	5.38	4.49	3.73	2.96	2.07	1.16	0.35	66.0	66.0	
-50	0.35	1.14	2.00	2.84	3.50	4.04	4.62	5.22	5.58	5.57	5.19	4.58	3.99	3.45	2.81	1.97	1.12	0.35	58.3	58.3	
-60	0.34	1.09	1.89	2.64	3.13	3.45	3.72	4.12	4.36	4.35	4.10	3.68	3.41	3.10	2.61	1.86	1.08	0.34	49.3	49.3	
-70	0.34	1.04	1.76	2.39	2.75	2.90	2.94	3.04	3.03	3.02	3.01	2.90	2.86	2.71	2.36	1.74	1.03	0.33	40.1	40.1	
-80	0.33	0.98	1.62	2.11	2.34	2.37	2.25	2.03	1.70	1.69	2.01	2.22	2.34	2.30	2.08	1.60	0.97	0.32	31.3	31.3	
-90	0.32	0.92	1.47	1.82	1.90	1.80	1.52	1.08	0.54	0.54	1.06	1.49	1.77	1.88	1.79	1.44	0.91	0.31	22.6	21.6	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	6.31	20.3	35.4	49.5	60.4	70.5	80.4	88.2	91.2	91.0	87.7	79.7	69.7	59.6	48.8	34.9	20.0	6.21	1000	---	
Φ a	6.31	20.3	35.4	49.5	60.4	70.5	80.4	88.1	90.7	90.5	87.6	79.7	69.7	59.6	48.8	34.9	20.0	6.21	---	999	

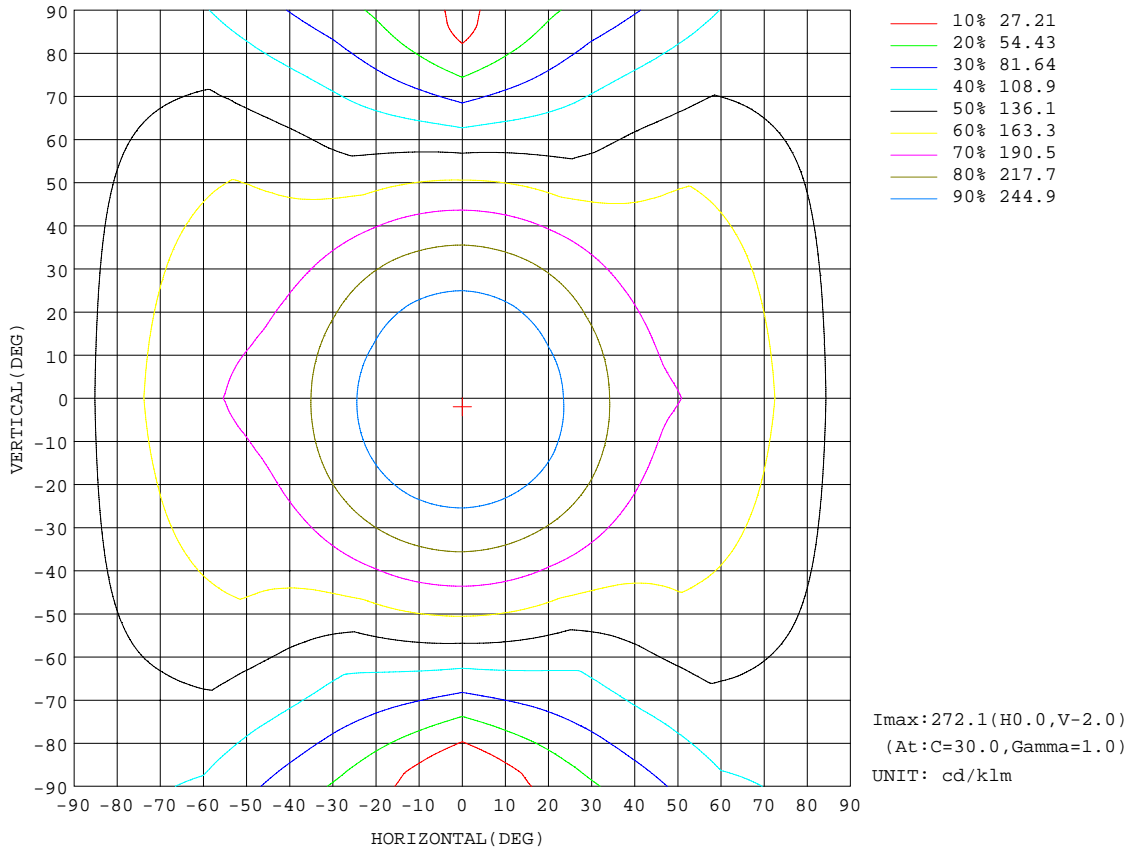
one-half-peak spread: U:55.1,D:57.1 , L:85.6,R:84.8 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.385*0.16+0.03*0.125	Shielding Angle:

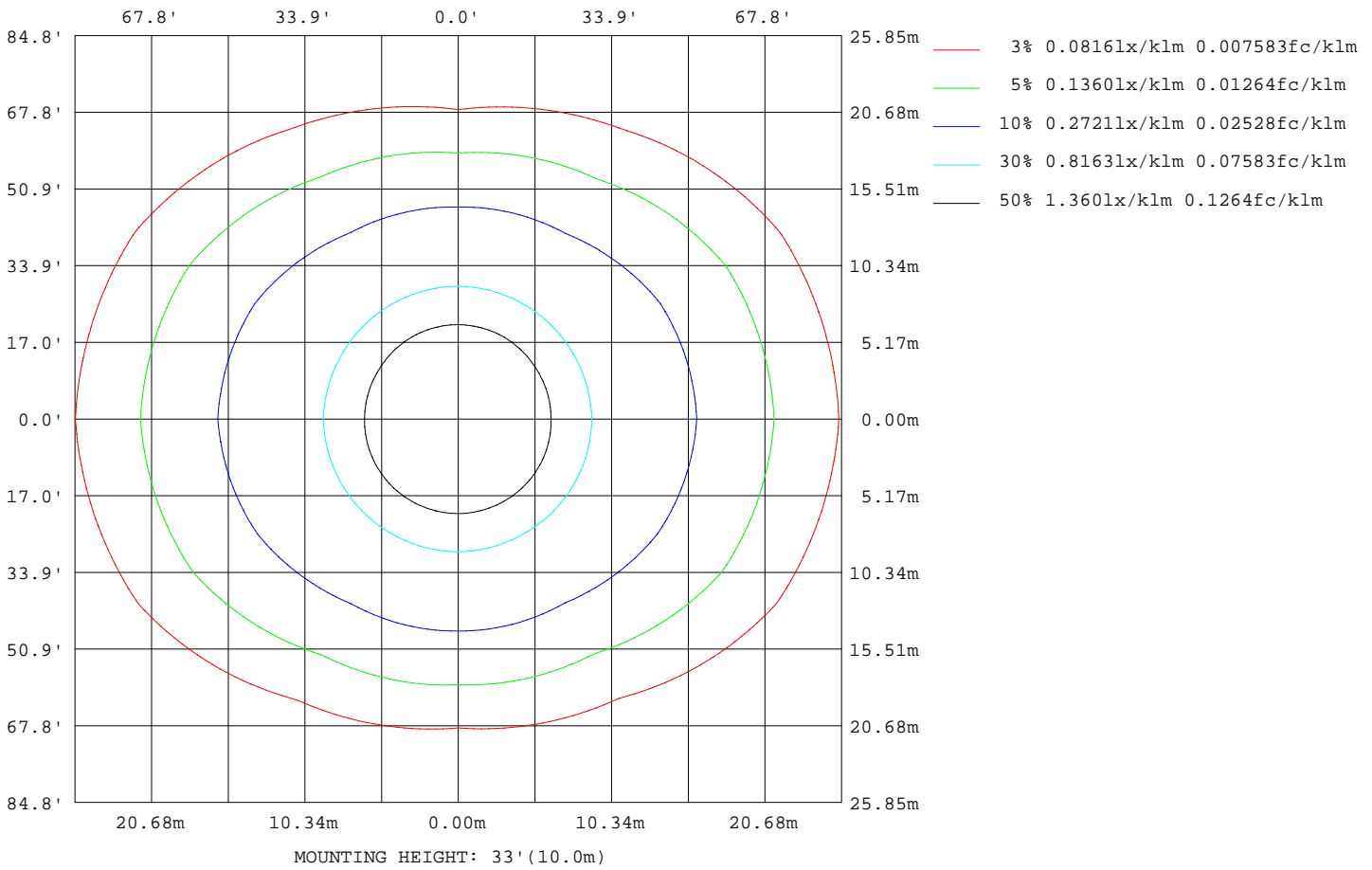


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 Remarks:

ISOLUX DIAGRAM

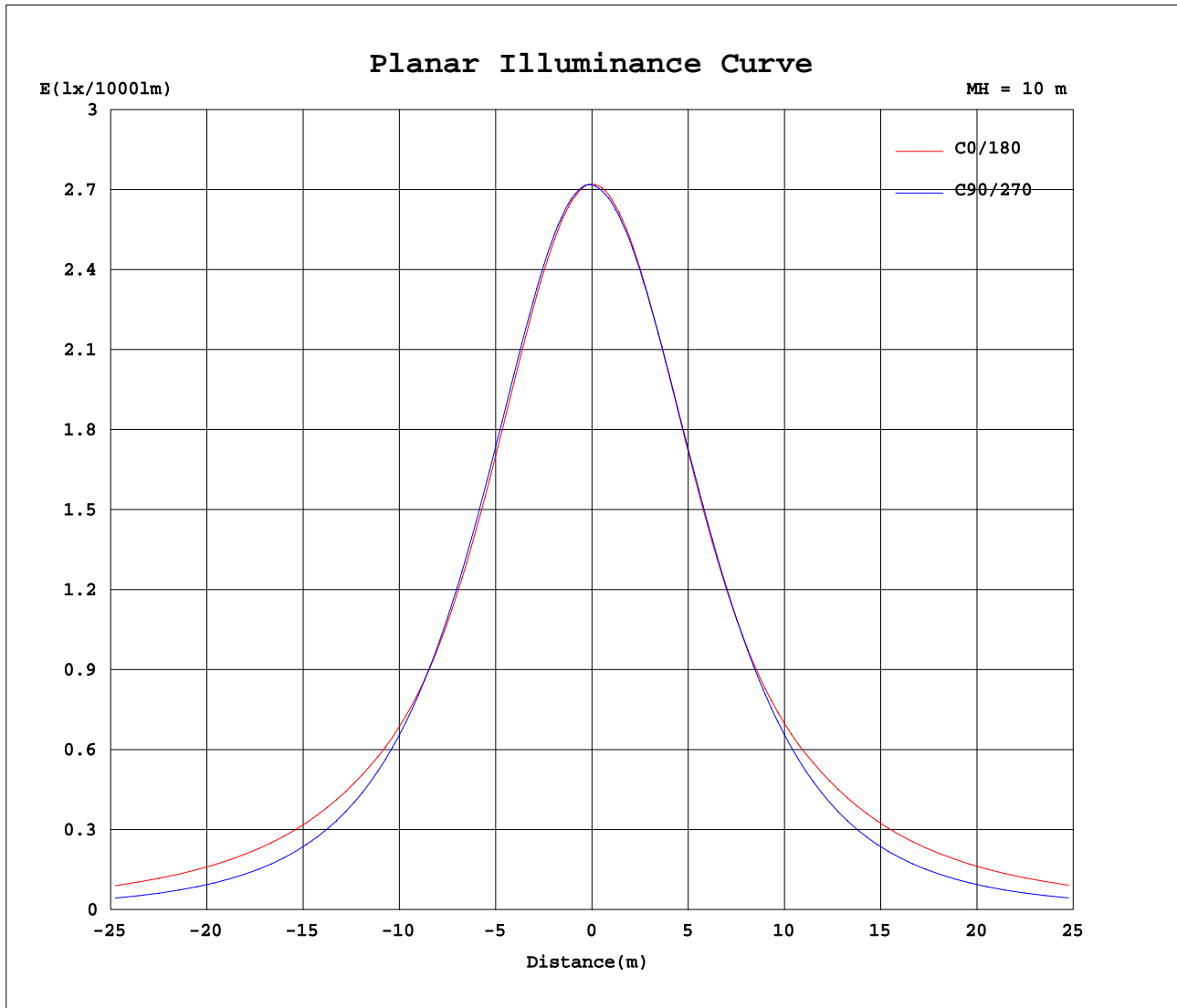
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SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.385*0.16+0.03*0.125	Shielding Angle:



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 Remarks:

Planar Illuminance Curve

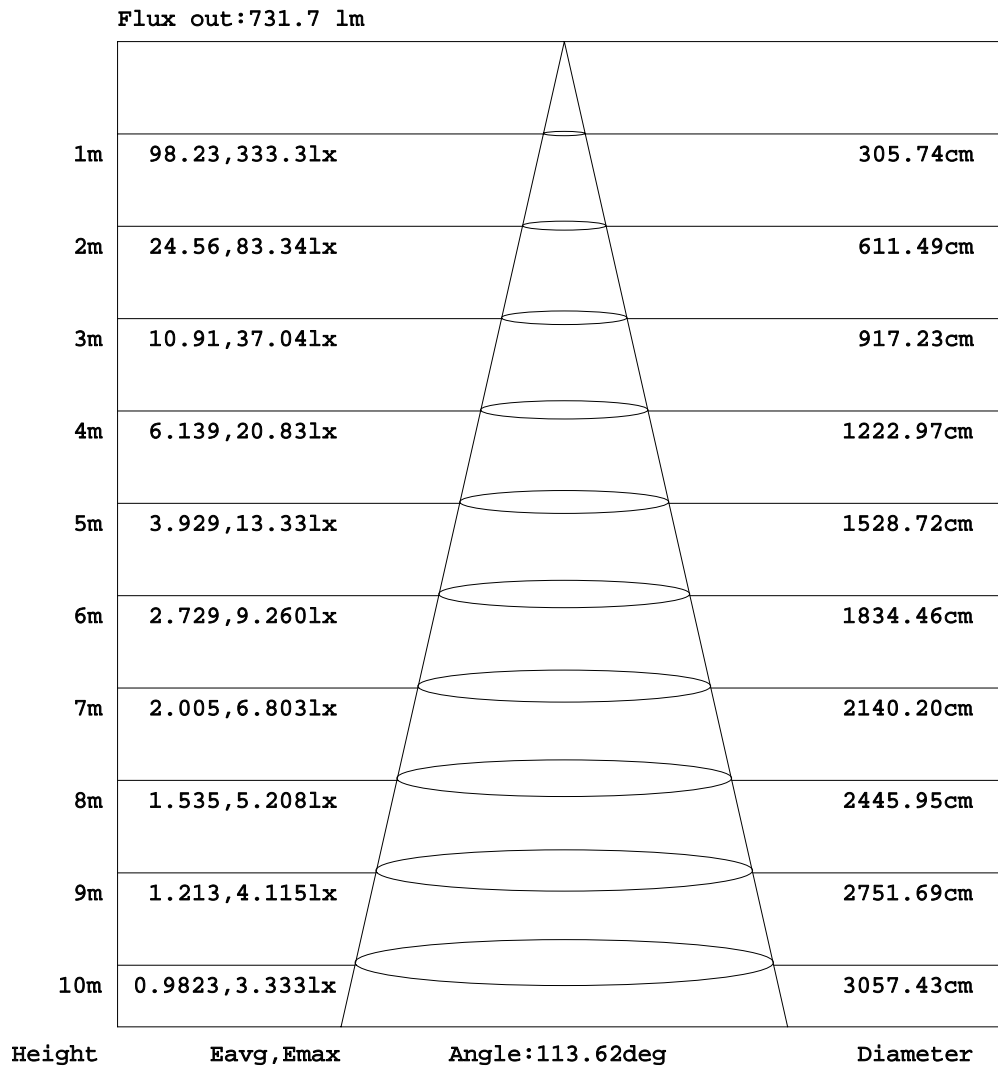


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AAI Figure

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SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.385*0.16+0.03*0.125	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.385*0.16+0.03*0.125	Shielding Angle:

Table--1

UNIT: cd/klm

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	122	119	117	114	111	108	105	96.3	87.5	78.7	69.8	61.0	52.2	43.5	34.8	26.1	17.4	8.70	0.00
-85	122	121	119	118	116	114	112	105	96.7	88.8	80.7	72.6	64.3	54.9	45.4	35.7	26.0	16.2	6.24
-80	122	122	122	121	121	120	119	113	106	98.8	91.5	84.0	76.3	68.2	60.0	51.7	43.2	34.6	25.7
-75	122	123	124	125	126	126	126	121	115	109	102	95.5	88.5	82.0	75.6	69.3	62.8	56.0	48.7
-70	122	125	127	129	130	131	133	130	124	119	113	106	99.8	94.6	90.4	86.4	82.3	77.9	73.0
-65	122	126	129	132	135	137	139	137	133	128	122	116	110	106	105	103	102	100	97.4
-60	122	127	131	135	139	142	144	145	141	137	132	127	122	119	120	121	122	122	121
-55	122	128	134	139	143	147	150	153	150	146	142	138	135	133	137	140	143	144	144
-50	122	129	136	142	147	151	155	158	157	154	152	150	150	151	155	160	163	165	166
-45	122	130	138	145	150	155	160	163	165	162	162	162	164	168	173	178	182	185	185
-40	122	131	140	147	154	159	164	168	170	170	170	172	177	183	189	195	200	202	203
-35	122	132	142	150	157	163	168	172	174	176	177	182	189	197	204	211	216	219	220
-30	122	133	143	152	160	166	172	175	178	180	183	190	199	209	218	225	230	233	234
-25	122	134	145	154	162	169	175	179	181	184	189	198	209	220	229	236	242	245	246
-20	122	135	146	156	164	172	178	182	184	188	195	206	218	229	238	246	252	255	256
-15	122	135	147	157	167	174	180	184	187	191	199	211	224	236	245	253	259	262	264
-10	122	136	148	159	168	176	182	187	190	194	203	215	228	240	250	259	264	267	269
-5	122	136	149	160	170	178	184	189	192	196	205	217	231	243	253	261	267	270	271
0	122	137	150	161	171	180	186	191	194	198	206	218	231	244	254	262	268	271	272
5	122	136	149	160	170	179	185	189	193	196	204	217	230	242	252	260	266	269	270
10	122	136	148	159	169	177	183	188	191	194	202	214	227	239	249	256	262	266	266
15	122	136	148	158	167	175	181	186	189	192	199	210	222	233	243	251	257	260	261
20	122	135	147	157	166	173	179	184	187	189	195	204	215	227	237	244	250	253	254
25	122	134	145	155	164	171	177	181	184	186	190	197	208	218	228	235	241	244	245
30	122	134	144	153	161	169	174	178	181	183	185	190	199	208	217	224	229	232	233
35	122	133	143	151	159	166	171	175	178	180	180	183	189	197	204	211	215	218	219
40	122	132	141	149	156	162	168	171	174	174	174	175	178	183	190	195	200	202	203
45	122	131	139	146	153	159	164	167	169	167	166	165	167	169	174	179	182	185	185
50	122	130	137	144	150	155	159	163	163	160	157	155	154	154	157	161	164	165	166
55	122	129	135	141	146	150	154	158	156	153	149	145	142	139	141	143	144	145	144
60	122	128	133	138	142	146	149	151	148	145	141	136	131	127	127	126	125	124	121
65	122	127	131	135	138	141	144	143	140	136	132	127	122	117	113	110	106	102	97.9
70	122	125	128	131	134	136	138	136	131	127	122	117	111	105	99.5	93.6	87.6	81.3	74.4
75	122	124	126	128	129	130	131	128	123	118	112	107	101	93.1	85.2	77.2	69.1	60.7	51.9
80	122	123	124	124	124	125	125	120	114	108	102	95.6	89.2	80.5	71.4	62.2	52.8	43.2	33.4
85	122	122	121	120	120	119	118	112	105	98.1	91.3	84.4	77.4	68.6	59.6	50.5	41.2	31.8	22.3
90	122	120	118	117	115	113	111	103	95.7	88.1	80.5	73.0	65.4	58.0	50.7	43.3	35.9	28.6	21.2

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--2

UNIT: cd/klm

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	8.50	17.0	25.5	34.0	42.5	51.0	59.7	68.5	77.3	86.0	94.8	104	106	109	112	115	118	120
-85	16.0	25.7	35.2	44.6	54.0	63.2	71.3	79.4	87.4	95.3	103	111	112	114	116	117	119	120
-80	34.4	42.8	51.1	59.2	67.2	75.2	82.8	90.2	97.4	105	112	118	118	119	119	120	120	120
-75	55.7	62.3	68.7	74.8	81.0	87.5	94.3	101	107	114	120	124	124	124	123	122	121	120
-70	77.7	81.8	85.6	89.4	93.2	98.3	105	111	117	123	128	131	130	128	127	125	123	120
-65	99.7	101	102	103	105	109	115	121	126	131	136	137	135	133	130	127	124	120
-60	122	121	120	119	117	120	125	130	135	140	143	143	140	137	133	129	125	120
-55	144	142	140	136	132	134	136	140	144	148	151	148	145	141	136	132	126	120
-50	165	162	159	154	149	148	149	150	153	156	157	153	149	145	139	134	127	120
-45	184	181	177	171	166	162	160	160	161	163	161	158	153	148	142	136	128	120
-40	202	199	194	188	181	175	170	168	168	168	166	162	157	151	145	138	129	120
-35	218	215	210	203	195	187	180	175	174	172	169	166	161	154	147	139	130	120
-30	232	229	224	216	208	198	188	181	178	176	173	169	164	157	150	141	131	120
-25	245	241	235	228	218	208	197	187	182	179	176	172	167	160	152	142	132	120
-20	254	251	245	237	227	216	204	193	185	182	179	175	170	162	153	143	133	120
-15	262	258	253	245	234	222	209	197	188	184	181	177	172	164	155	145	133	120
-10	267	264	258	250	239	226	213	200	191	187	184	180	174	166	156	145	134	120
-5	270	267	260	252	241	229	215	202	193	189	186	181	175	167	157	146	134	120
0	270	267	261	252	241	229	215	203	194	191	187	183	177	168	158	147	134	120
5	268	265	259	251	240	228	214	202	193	190	186	182	176	167	158	146	134	120
10	265	261	255	247	237	225	212	199	191	188	185	180	175	166	157	146	134	120
15	260	256	250	242	231	220	207	196	189	186	183	179	173	165	156	145	133	120
20	253	249	243	235	225	213	202	192	186	184	181	177	171	163	154	144	133	120
25	243	240	234	226	217	206	195	187	184	182	178	174	169	161	153	143	132	120
30	232	228	223	215	206	197	188	183	181	179	176	172	166	159	151	142	132	120
35	218	215	210	203	195	187	181	178	178	176	173	169	163	156	149	140	131	120
40	202	199	194	188	182	176	173	172	172	172	169	166	160	154	147	139	130	120
45	184	182	177	172	167	165	164	164	166	168	166	162	156	151	144	137	129	120
50	165	163	160	155	152	152	153	156	158	161	161	157	153	147	142	135	128	120
55	144	143	142	139	137	140	143	147	151	154	156	152	148	144	139	133	127	120
60	123	124	125	125	126	130	135	139	143	146	149	147	144	140	136	131	126	120
65	102	106	109	112	116	120	125	130	134	138	141	142	139	136	133	129	125	120
70	81.0	87.1	92.9	98.6	104	110	116	121	125	130	134	136	134	132	129	126	123	120
75	60.5	68.7	76.7	84.5	92.2	99.7	105	111	116	121	126	130	129	127	126	124	122	120
80	43.0	52.5	61.7	70.8	79.6	88.2	94.5	101	107	113	118	123	123	123	122	122	121	120
85	31.6	40.9	50.0	59.1	67.9	76.5	83.4	90.2	96.9	104	110	116	117	118	119	119	120	120
90	28.5	35.7	43.0	50.2	57.5	64.7	72.1	79.6	87.0	94.5	102	109	111	113	115	117	118	120

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