

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	577.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	116.4V x 103.6H
	At 50% of Imax	99.6V x 92.9H
	At 90% of Imax	77.2V x 85.6H

Beam Flux	Total	996.6 lumens per klm.
	To 10% of Imax	958.5 lumens per klm.
	To 50% of Imax	837.7 lumens per klm.
	To 90% of Imax	145.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

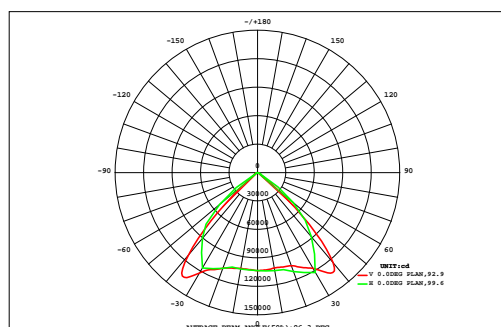
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(_b) Range:-90 - 90DEG
H(_b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm		
NAME: 1440W-5050-90	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.86	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	136917
NOMINAL POWER(W)	1440	AVAILABILITY(%)	96.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	228573
NOMINAL FLUX(lm)	236968	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	236968
TEST VOLTAGE(V)	230	q @50%(H,V)	93,100DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.03	0.01	0.67	0.00
90	0.92	3.32	6.59	10.7	15.4	20.0	24.1	27.0	29.6	30.1	28.2	25.5	21.6	17.0	12.0	7.50	3.81	1.07	284	0.00
80	1.39	5.38	11.6	20.2	30.2	41.3	52.8	63.5	70.6	71.8	67.7	58.6	46.9	34.8	23.6	13.8	6.53	1.71	622	0.00
70	1.55	6.26	14.3	26.1	41.7	67.7	178	431	619	640	497	248	90.1	50.9	32.0	17.8	8.06	2.01	2971	2202
60	1.71	7.11	16.8	32.6	57.9	126	562	1537	2223	2262	1673	712	172	73.7	41.4	21.9	9.65	2.31	9534	8851
50	1.85	7.82	19.2	42.2	173	1208	2553	2988	3109	3091	2945	2542	1389	261	56.6	26.7	11.4	2.62	20428	20040
40	2.00	8.57	21.9	54.9	448	2317	3712	3681	3534	3531	3677	3624	2348	585	78.0	31.2	12.9	2.94	27669	27322
30	2.19	9.42	25.0	78.2	1050	3152	3231	3088	3115	3119	3117	3183	3089	1189	106	34.8	14.3	3.27	27605	27300
20	2.41	10.2	27.2	99.1	1331	3157	3111	3053	3114	3116	3079	3134	3165	1426	128	36.8	15.3	3.53	28008	27716
10	2.66	11.2	29.2	114	1400	3121	3114	3066	3134	3135	3087	3128	3231	1469	126	38.2	16.0	3.73	28228	27950
0	3.01	12.3	31.0	98.2	1082	3048	3278	3172	3196	3196	3196	3296	3220	1095	98.4	38.4	16.2	3.81	28080	27777
-10	3.25	13.0	31.2	79.3	594	2146	3334	3586	3546	3541	3620	3535	2316	514	79.6	37.2	16.2	3.81	26996	26643
-20	3.44	13.4	30.9	62.7	195	1270	2724	3241	3338	3360	3315	2868	1252	169	65.4	35.3	15.7	3.76	21964	21532
-30	3.53	13.4	29.7	55.1	112	316	688	1440	2057	2081	1470	586	153	74.6	56.7	32.1	14.5	3.64	9186	8635
-40	3.52	12.8	27.2	48.1	74.6	122	298	598	787	766	532	234	109	74.1	49.0	28.5	13.3	3.51	3781	2605
-50	3.49	12.1	24.6	41.2	59.1	73.8	66.4	58.4	59.9	60.1	58.5	63.9	72.7	58.5	41.0	24.8	12.1	3.39	794	0.00
-60	3.45	11.3	21.4	33.9	47.4	60.0	70.7	78.3	83.0	83.2	77.8	70.1	59.3	46.5	33.2	20.9	10.9	3.29	815	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
F t	40.4	158	368	896	6713	20245	26996	30110	32016	32084	30441	27309	20736	7138	1027	446	197	48.42	36968	---
F a	0.00	0.00	0.00	93.7	5898	19703	26416	29751	31669	31732	30062	226685	20120	6325	119	0.00	0.00	0.00	---	228573

one-half-peak spread: U:19.6,D:20.3 , L:10.3,R:10.7

NEMA Beam Type: Type 6

H_b Range:-90 - 90DEGH_b Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

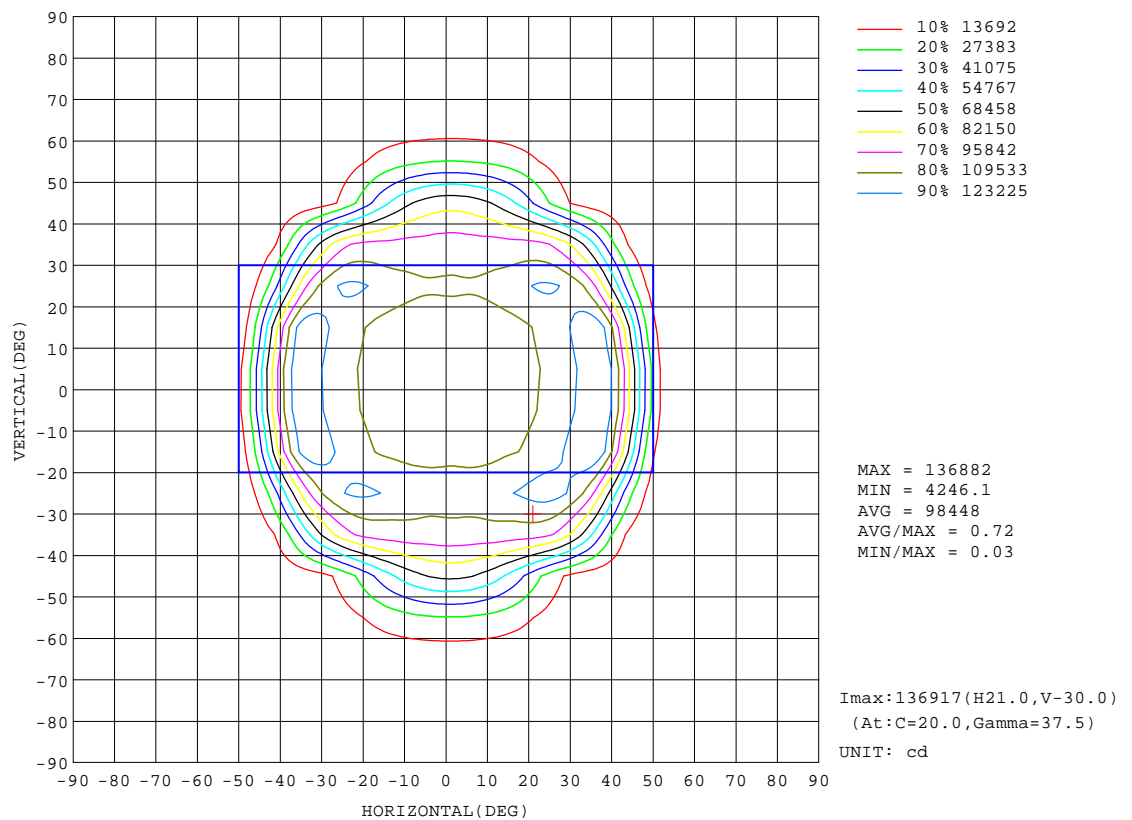
Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	Shielding Angle:

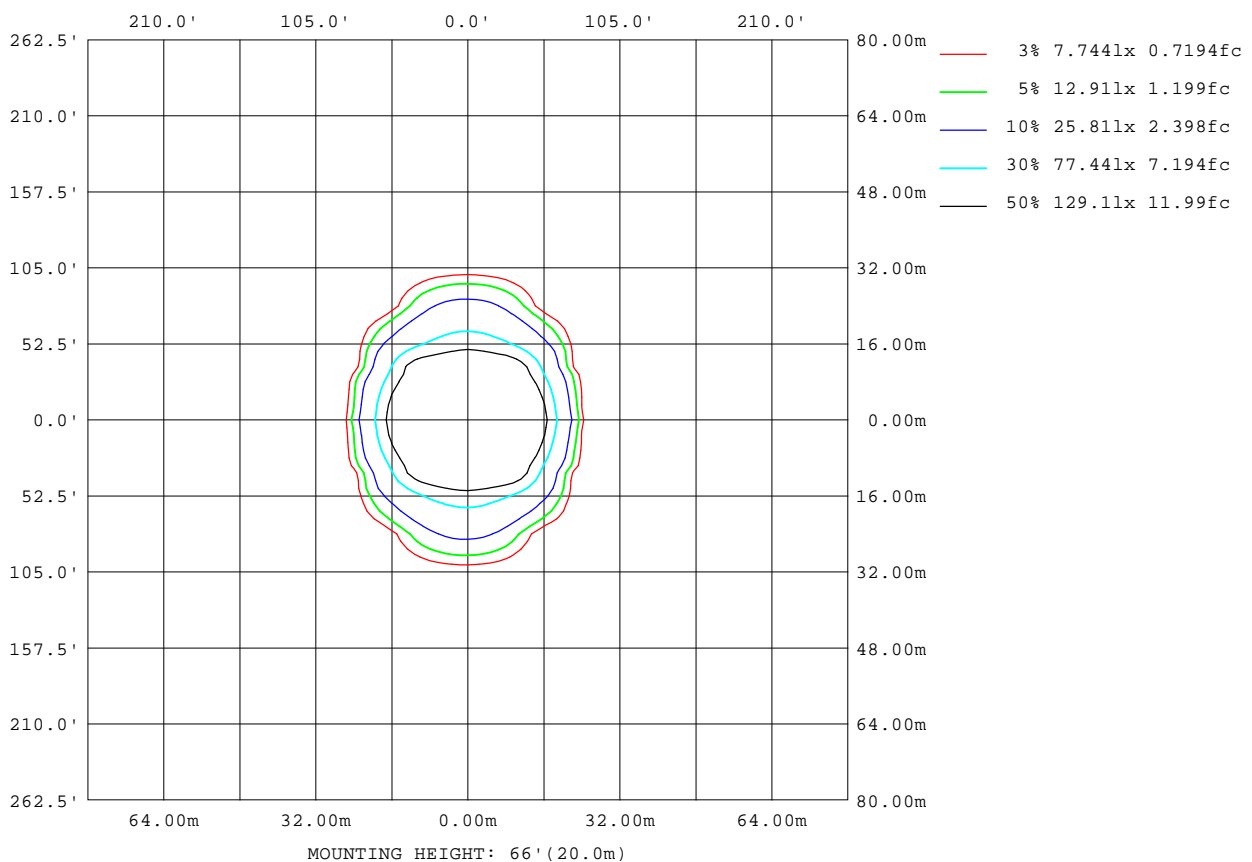


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

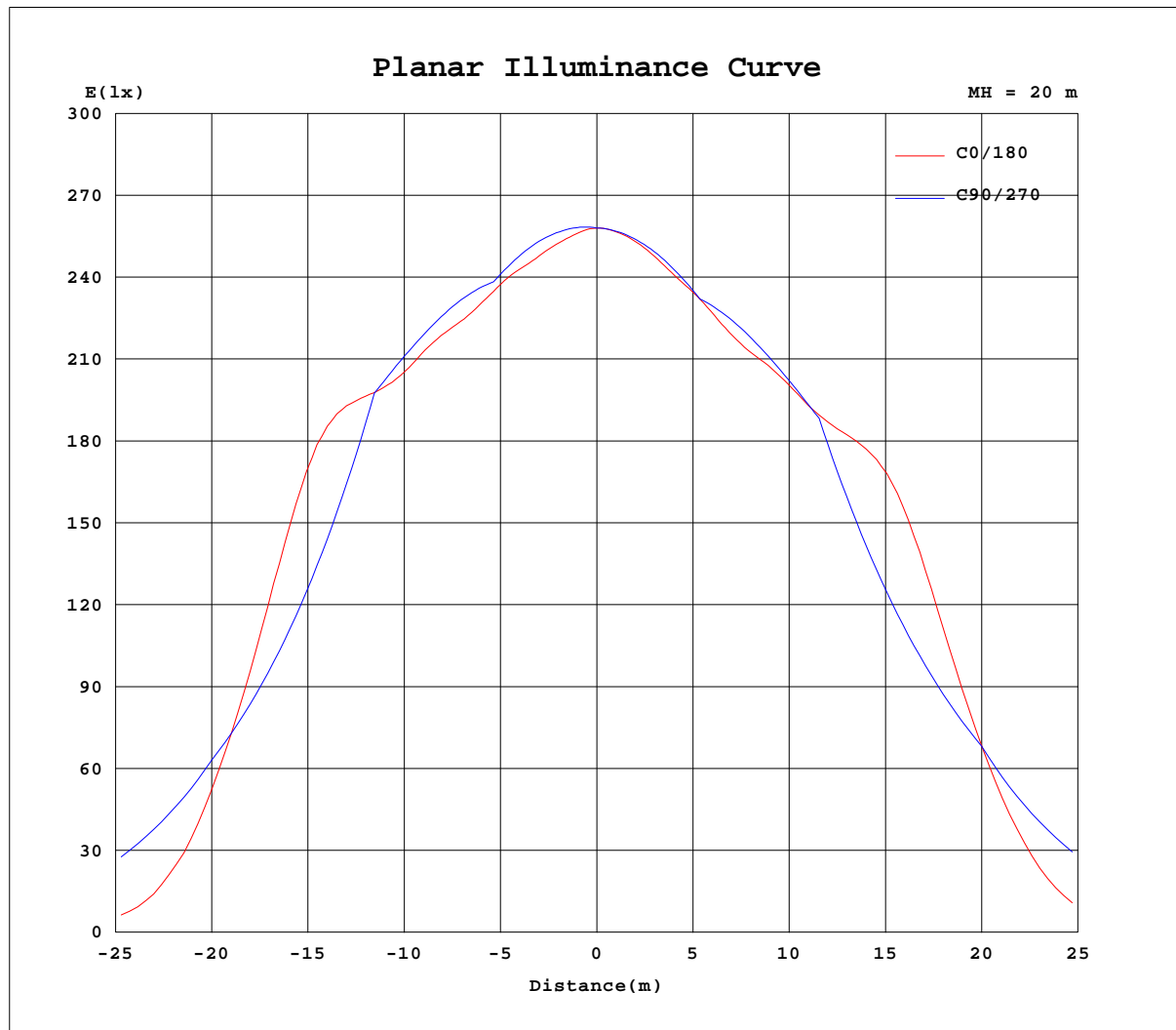
Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



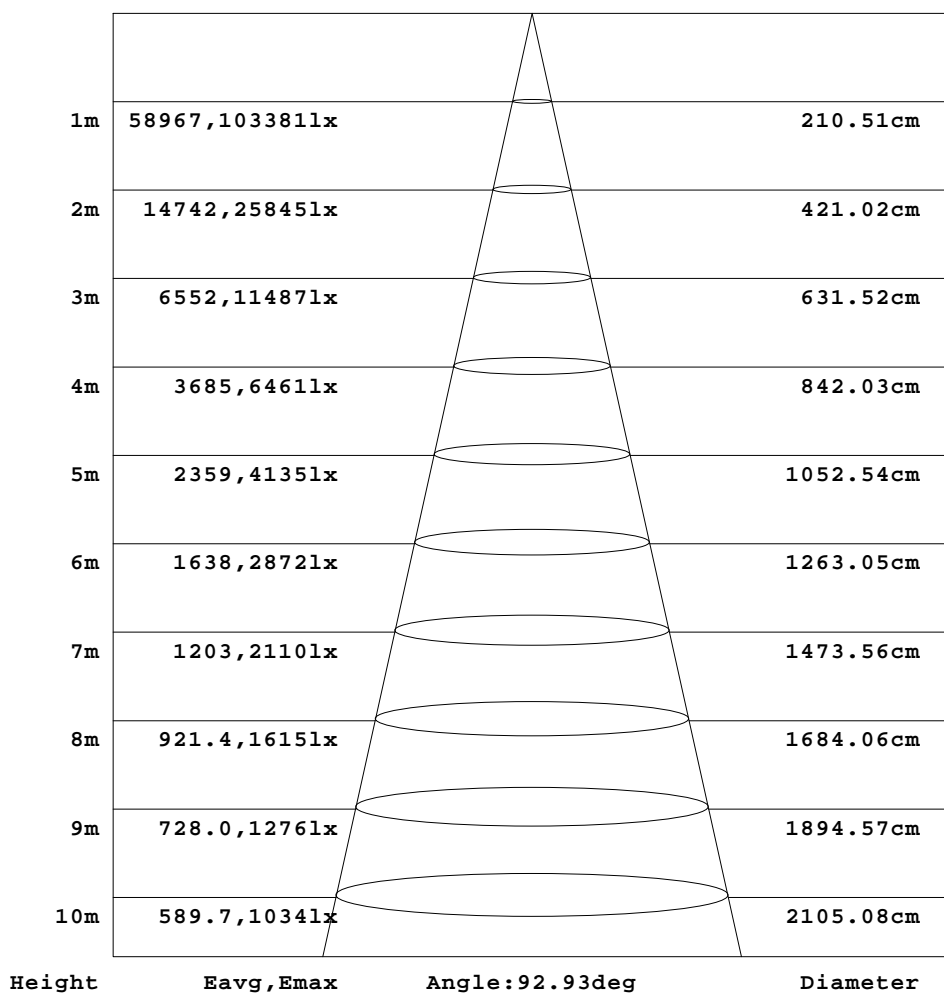
H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

AAI Figure

Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	Shielding Angle:

Flux out:205710 lm



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

H_b Range: -90 - 90DEG
 H_b Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 30DEG
 Operators: DAMIN
 Test Date: 2020-04-18

V(B) Range: -75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.230m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm					
NAME:			TYPE:		WEIGHT:
SPEC.:0.65x0.86			DIM.: 0.65x0.86		SERIAL No.:
MFR.:			SUR.:0.65x0.86		Shielding Angle:

Table--1

UNIT: ×100cd

H(°) \ V(°)	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	12.1	12.6	13.3	13.9	14.9	16.2	17.6	19.0	20.4	21.7	22.8	23.8	24.7	25.5	26.1	26.5	26.9	27.3	27.7
-70	12.1	13.0	13.8	14.8	16.3	18.0	19.9	21.7	23.4	25.1	26.5	27.9	29.1	30.2	31.0	31.8	32.3	32.7	32.9
-65	11.9	12.6	13.6	14.8	16.4	18.4	20.6	23.0	25.1	27.1	29.1	30.9	32.5	34.1	35.4	36.5	37.3	37.9	38.0
-60	11.9	13.1	14.3	15.9	18.0	20.5	23.2	26.0	28.4	30.8	33.1	35.2	37.2	39.1	40.6	41.9	42.9	43.2	43.2
-55	11.7	12.6	13.8	15.5	17.7	20.3	23.3	26.6	29.9	33.3	37.5	43.7	56.9	88.2	136	187	228	255	267
-50	11.8	13.0	14.6	16.7	19.3	22.5	26.0	29.9	34.0	38.9	46.1	59.8	96.2	173	274	368	439	481	491
-45	11.6	12.5	14.1	16.2	18.8	22.0	25.8	30.0	34.7	40.2	48.0	62.2	97.9	188	329	479	600	680	715
-40	11.5	12.8	14.7	17.2	20.2	23.8	28.4	34.2	43.0	71.0	163	306	453	590	701	782	841	872	882
-35	11.4	12.0	13.7	16.0	19.0	22.5	27.1	33.4	42.7	68.1	186	427	691	888	992	1025	1042	1042	1049
-30	11.1	12.4	14.5	17.1	20.5	24.6	30.4	38.9	55.4	127	384	773	1107	1291	1322	1281	1248	1215	1217
-25	10.7	11.2	13.2	15.6	18.6	22.6	28.2	37.3	59.8	174	459	824	1092	1225	1258	1226	1195	1167	1163
-20	9.85	11.5	13.7	16.2	19.7	24.5	32.2	46.9	120	412	832	1131	1208	1210	1176	1142	1118	1108	1111
-15	9.52	10.2	12.4	14.7	17.7	22.1	29.0	41.6	85.8	359	869	1253	1299	1199	1129	1080	1059	1053	1058
-10	8.63	10.5	12.6	15.1	18.5	23.7	32.5	52.2	184	628	1117	1303	1228	1147	1084	1058	1042	1046	1050
-5	8.20	9.05	11.0	13.3	16.3	20.6	27.8	41.3	117	485	1013	1298	1240	1150	1086	1049	1035	1035	1040
0	7.41	9.24	11.2	13.6	17.1	22.4	31.4	54.8	247	773	1241	1289	1167	1101	1047	1030	1023	1029	1032
5	7.13	8.10	9.94	12.1	15.0	19.2	26.1	39.1	114	487	1020	1309	1234	1140	1077	1041	1027	1027	1031
10	6.62	8.46	10.3	12.6	15.9	20.7	29.1	47.2	178	640	1133	1315	1208	1129	1067	1041	1027	1029	1031
15	6.30	7.33	9.10	11.1	13.8	17.8	24.1	35.1	76.5	366	889	1286	1281	1169	1103	1055	1034	1027	1030
20	5.94	7.72	9.43	11.6	14.5	18.7	25.6	38.3	110	420	852	1160	1209	1204	1150	1104	1079	1071	1074
25	5.71	6.68	8.36	10.2	12.6	15.8	20.6	28.3	48.6	167	465	862	1125	1251	1247	1182	1141	1115	1117
30	5.35	7.04	8.63	10.5	13.0	16.3	21.0	28.0	42.5	113	397	823	1169	1325	1294	1220	1180	1157	1160
35	5.23	6.12	7.70	9.30	11.4	14.0	17.6	22.5	30.3	53.1	179	448	723	919	991	1000	1011	1017	1030
40	5.00	6.54	7.99	9.60	11.7	14.4	17.7	22.1	29.6	56.0	156	309	459	596	702	785	851	890	902
45	4.87	5.67	7.14	8.51	10.2	12.4	14.9	17.9	21.5	25.7	31.7	44.0	75.8	173	335	509	644	733	772
50	4.68	6.01	7.27	8.59	10.3	12.4	14.7	17.3	20.4	24.0	29.6	41.7	76.7	163	280	387	467	514	525
55	4.59	5.19	6.43	7.54	8.91	10.6	12.6	14.6	16.7	19.2	22.3	27.4	39.2	72.7	128	187	233	263	276
60	4.39	5.43	6.47	7.49	8.80	10.4	12.0	13.5	15.0	16.6	18.2	19.8	21.6	23.4	25.0	26.7	27.9	28.5	28.9
65	4.38	4.78	5.72	6.56	7.53	8.75	10.1	11.3	12.5	13.8	15.1	16.3	17.6	19.0	20.2	21.5	22.5	23.2	23.6
70	4.27	4.91	5.66	6.35	7.18	8.18	9.17	10.1	11.1	12.1	13.0	13.9	14.8	15.7	16.4	17.2	17.8	18.3	18.5
75	4.26	4.41	5.03	5.57	6.12	6.79	7.49	8.13	8.80	9.53	10.1	10.7	11.2	11.7	12.0	12.2	12.6	13.1	13.3
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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

H_b Range:-90 - 90DEGH_b Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.244V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:236968x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	Shielding Angle:

Table--2

UNIT: ×100cd

H(°) \ V(°)	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-75	27.6	27.1	26.6	26.2	25.7	25.0	24.1	23.0	21.9	20.6	19.3	18.0	16.5	15.2	14.0	13.2	12.4	11.7	
-70	32.6	32.1	31.5	30.7	29.8	28.6	27.3	25.8	24.3	22.6	21.0	19.2	17.4	15.6	14.3	13.2	12.1	11.5	
-65	38.0	37.6	36.9	35.9	34.7	33.2	31.6	29.8	28.0	25.9	24.0	21.9	19.6	17.4	15.6	14.0	12.7	11.5	
-60	43.1	42.6	41.6	40.1	38.5	36.6	34.5	32.3	30.0	27.7	25.4	22.8	20.1	17.7	15.6	13.8	12.2	11.2	
-55	262	240	201	150	97.9	61.4	45.7	39.1	35.2	31.8	28.7	25.7	22.6	19.7	17.1	14.9	13.1	11.4	
-50	467	410	323	217	123	69.6	50.7	42.4	37.6	33.4	29.6	26.1	22.7	19.6	16.9	14.5	12.4	11.1	
-45	700	634	520	369	215	110	66.4	51.0	43.6	38.3	33.5	29.3	25.5	21.9	18.7	15.9	13.5	11.4	
-40	861	819	746	659	547	406	251	116	54.7	40.7	34.2	29.2	25.1	21.4	18.2	15.2	12.6	11.0	
-35	1045	1045	1034	1023	975	820	562	276	94.0	51.0	39.7	32.9	27.9	23.7	20.1	16.8	13.8	11.3	
-30	1226	1269	1312	1367	1311	1046	636	254	81.3	49.5	39.2	32.2	27.1	23.0	19.4	15.9	12.7	11.0	
-25	1163	1185	1222	1271	1296	1208	996	625	272	88.4	46.9	36.2	29.5	24.7	20.8	17.3	13.9	11.0	
-20	1110	1132	1166	1214	1240	1236	1089	686	273	74.5	44.3	34.0	27.7	23.1	19.4	16.0	12.6	10.4	
-15	1053	1055	1083	1115	1176	1275	1369	1099	578	151	55.1	39.1	30.3	24.9	20.9	17.3	14.0	10.5	
-10	1043	1051	1076	1117	1180	1293	1327	981	444	105	47.7	34.9	27.7	23.0	19.3	15.8	12.3	9.82	
-5	1037	1035	1053	1076	1131	1206	1329	1222	741	239	61.4	39.2	30.0	24.5	20.5	17.0	13.6	10.0	
0	1026	1027	1042	1074	1129	1218	1350	1137	593	142	49.5	34.8	27.2	22.6	18.9	15.5	11.9	9.21	
5	1028	1026	1042	1066	1122	1193	1316	1225	749	244	60.9	38.1	29.0	23.6	19.7	16.3	12.9	9.36	
10	1026	1033	1055	1099	1158	1266	1310	994	459	108	45.9	32.8	25.8	21.3	17.7	14.4	11.0	8.52	
15	1027	1029	1053	1086	1148	1237	1330	1107	601	165	53.4	35.9	27.3	22.2	18.4	15.1	11.9	8.58	
20	1071	1090	1125	1178	1205	1214	1090	716	290	75.3	40.4	29.9	23.8	19.6	16.2	13.1	10.0	7.80	
25	1113	1130	1167	1226	1253	1188	1012	664	293	91.5	42.2	30.9	24.4	20.0	16.6	13.6	10.7	7.74	
30	1160	1198	1252	1313	1269	1060	691	301	86.3	44.8	32.9	26.0	21.2	17.6	14.5	11.7	8.92	7.05	
35	1024	1020	1014	1011	960	820	591	310	104	46.0	32.4	25.8	21.1	17.5	14.6	12.0	9.54	7.04	
40	880	841	776	687	562	419	267	127	50.0	32.7	26.0	21.4	17.8	15.0	12.5	10.3	8.01	6.64	
45	760	700	593	443	270	134	66.7	44.6	34.5	28.6	24.0	20.4	17.3	14.6	12.3	10.4	8.43	6.50	
50	503	452	368	258	147	73.3	44.2	33.3	27.4	23.4	20.1	17.2	14.7	12.5	10.6	8.96	7.12	6.19	
55	273	253	217	166	107	61.0	37.3	28.9	24.3	21.2	18.6	16.3	14.1	12.0	10.3	8.86	7.35	5.97	
60	29.0	28.8	27.9	26.8	25.3	23.7	22.0	20.3	18.5	16.9	15.3	13.5	11.7	10.1	8.80	7.61	6.25	5.73	
65	23.7	23.6	23.2	22.4	21.4	20.3	19.0	17.7	16.3	15.0	13.7	12.3	10.9	9.47	8.32	7.34	6.26	5.42	
70	18.5	18.2	17.8	17.3	16.6	15.8	14.9	14.0	13.0	12.0	11.0	9.97	8.86	7.85	7.05	6.24	5.37	5.18	
75	13.3	13.0	12.8	12.6	12.4	12.0	11.6	11.1	10.6	9.86	9.14	8.48	7.73	6.99	6.39	5.82	5.16	4.86	
80	0.00	0.00	0.00	0.00	0.00	0.00	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	
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 - 90DEGH_(b) Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: