

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

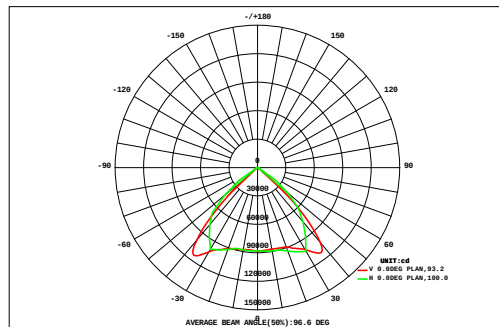
Maximum Intensity (Luminaire orientation as tested.)		569.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	116.4V x 103.9H
	At 50% of Imax	100.0V x 93.2H
	At 90% of Imax	78.0V x 85.8H
Beam Flux	Total	996.8 lumens per klm.
	To 10% of Imax	959.3 lumens per klm.
	To 50% of Imax	841.1 lumens per klm.
	To 90% of Imax	164.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-09-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:10.197V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:202385x1 lm		
NAME: 1200W-5050-90	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	115210
NOMINAL POWER(W)	1200	AVAILABILITY(%)	96.4
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	195160
NOMINAL FLUX(lm)	202385	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	202385
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	0.80	2.88	5.77	9.38	13.5	17.6	21.1	23.8	26.1	26.3	24.6	22.3	18.8	14.7	10.4	6.43	3.26	0.91	249	0.00	
80	1.19	4.62	10.1	17.6	26.4	36.3	46.6	56.0	62.2	63.2	59.4	51.3	40.9	30.3	20.5	12.0	5.62	1.47	546	0.00	
70	1.32	5.37	12.4	22.9	36.8	60.9	167	393	550	560	430	209	76.4	44.2	27.8	15.4	6.95	1.73	2620	1957	
60	1.46	6.10	14.6	28.7	51.2	112	514	1379	1966	1987	1465	616	146	63.8	36.0	19.0	8.32	1.99	8417	7841	
50	1.57	6.71	16.8	37.4	162	1089	2204	2552	2674	2669	2547	2192	1182	215	48.9	23.2	9.78	2.25	17633	17303	
40	1.70	7.36	19.1	49.2	411	2012	3177	3136	3018	3016	3142	3117	2038	488	65.8	27.0	11.1	2.52	23740	23446	
30	1.87	8.11	21.9	69.3	940	2688	2733	2644	2666	2667	2667	2724	2658	1008	88.0	30.0	12.3	2.80	23631	23381	
-30	2.06	8.83	23.8	88.1	1165	2685	2642	2606	2658	2657	2630	2662	2703	1220	106	31.7	13.1	3.01	23904	23660	
	2.29	9.66	25.6	98.6	1217	2659	2635	2606	2667	2663	2631	2652	2733	1261	108	32.9	13.7	3.17	24016	23764	
-40	2.60	10.7	27.1	83.9	939	2602	2762	2683	2709	2706	2711	2782	2711	942	85.0	33.0	13.8	3.25	23804	23525	
-50	2.77	11.2	27.2	67.8	497	1857	2828	3009	2979	2979	3041	2951	1947	458	69.7	31.9	13.7	3.22	22774	22448	
-60	2.90	11.5	26.7	54.2	162	1088	2307	2732	2808	2821	2769	2404	1082	141	56.9	30.2	13.3	3.16	18513	18130	
-70	2.94	11.3	25.5	47.4	88.8	238	588	1274	1774	1778	1259	523	163	71.0	48.6	27.2	12.2	3.03	7934	7441	
-80	2.90	10.6	23.0	40.9	63.7	104	254	509	672	661	473	214	95.1	63.0	41.4	23.9	11.0	2.89	3266	2264	
-90	2.86	9.95	20.5	34.5	49.6	61.6	54.2	49.2	50.8	50.9	49.4	54.1	61.3	49.0	34.3	20.6	9.94	2.78	665	0.00	
	2.84	9.21	17.6	28.1	39.3	49.7	58.4	64.6	68.6	68.6	64.2	57.8	48.9	38.4	27.4	17.2	8.93	2.70	672	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.1	134	318	778	5863	17358	22990	25715	27348	27373	25963	23232	17705	6108	875	382	167	40.92	202385	---	
F a	0.00	0.00	0.00	53.4	5160	16880	22498	25410	27054	27075	25652	22720	17166	5433	58.9	0.00	0.00	0.00	---	195160	

one-half-peak spread: U:19.6,D:20.6 , L:10.0,R:10.3

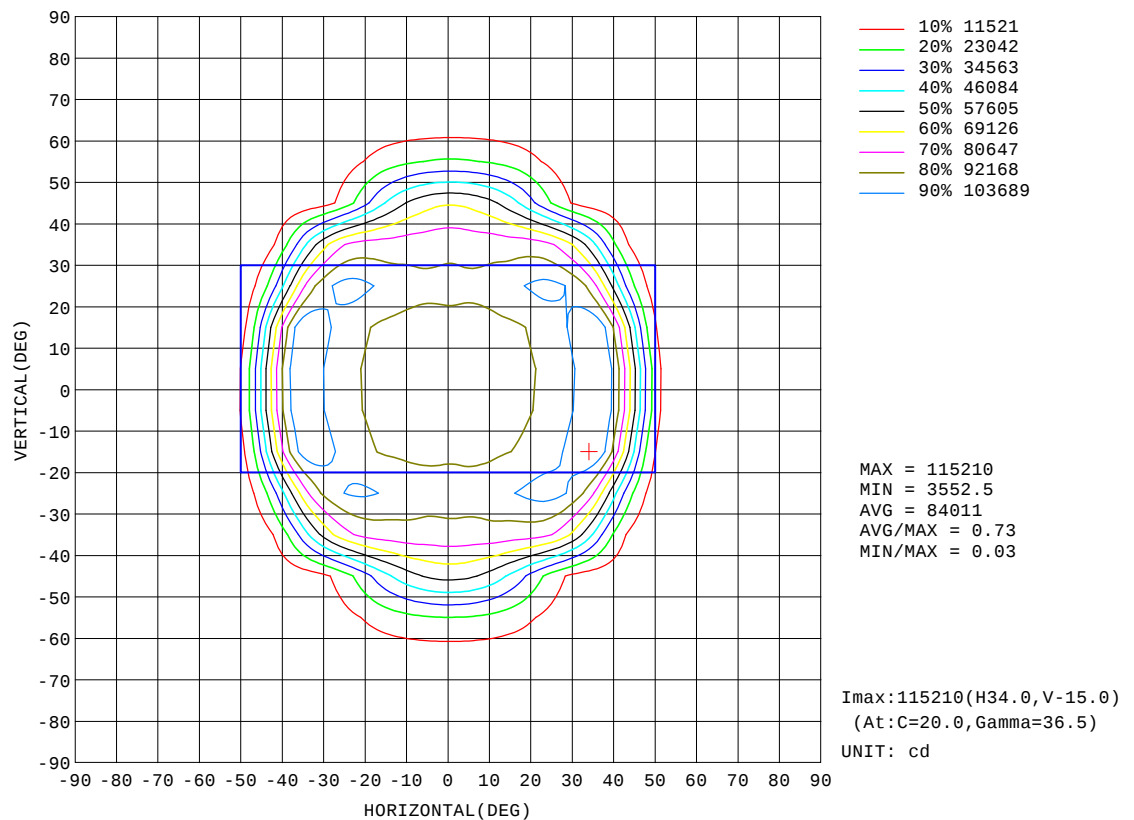
NEMA Beam Type: Type 6

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-09-18

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:10.197V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:202385x1 lm		
NAME: 1200W-5050-90	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.:	SUR.:0.65x0.74	Shielding Angle:

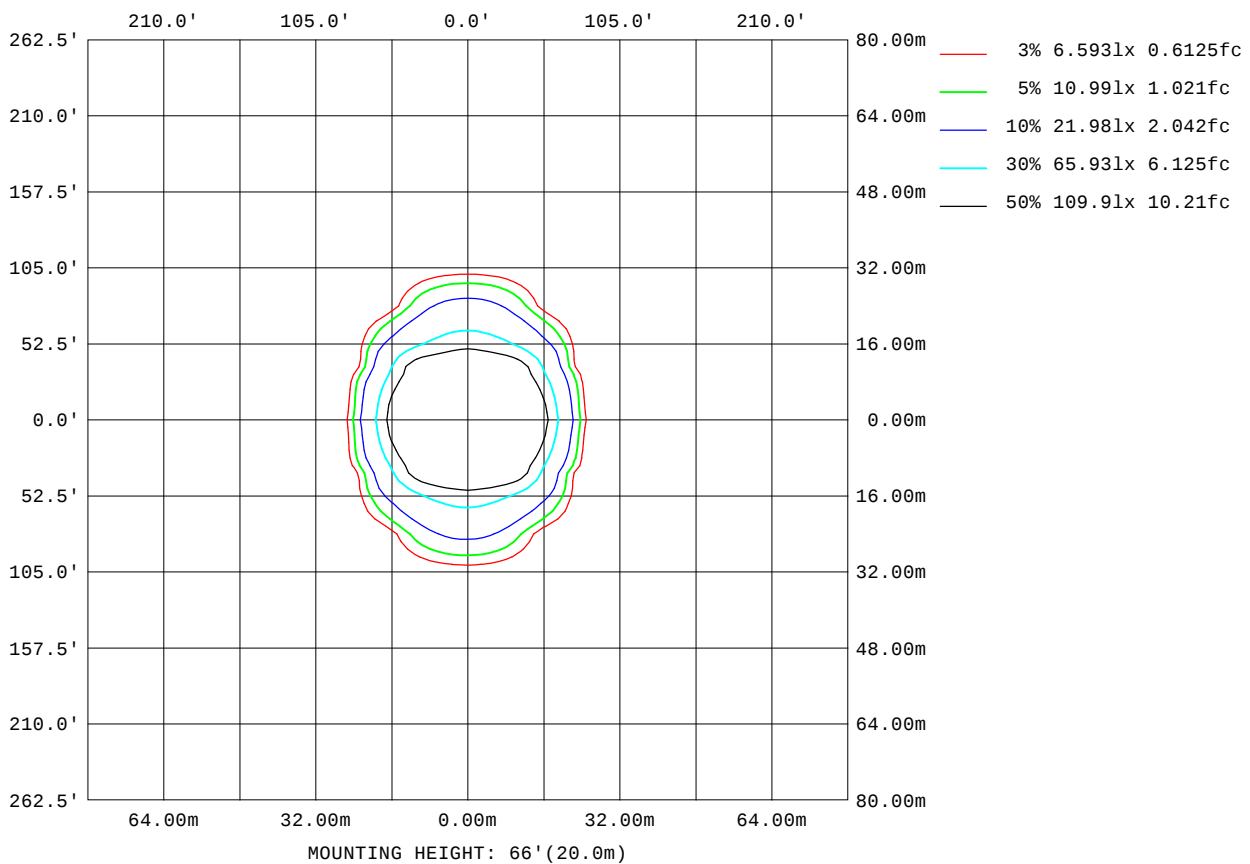


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 Humidity:65.0%
 Test Distance:8.230m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

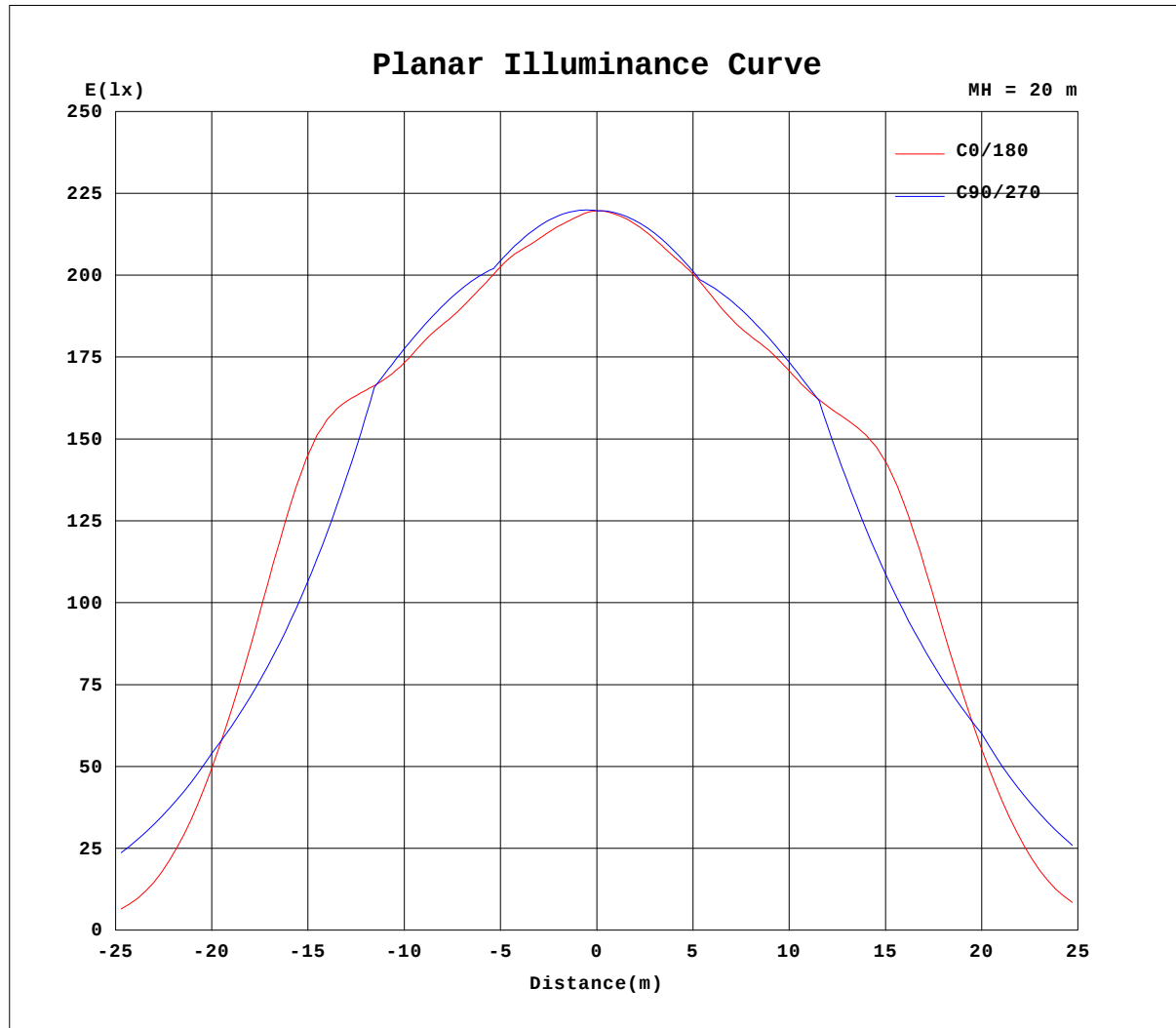
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SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.:	SUR.:0.65x0.74	Shielding Angle:



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H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-09-18

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



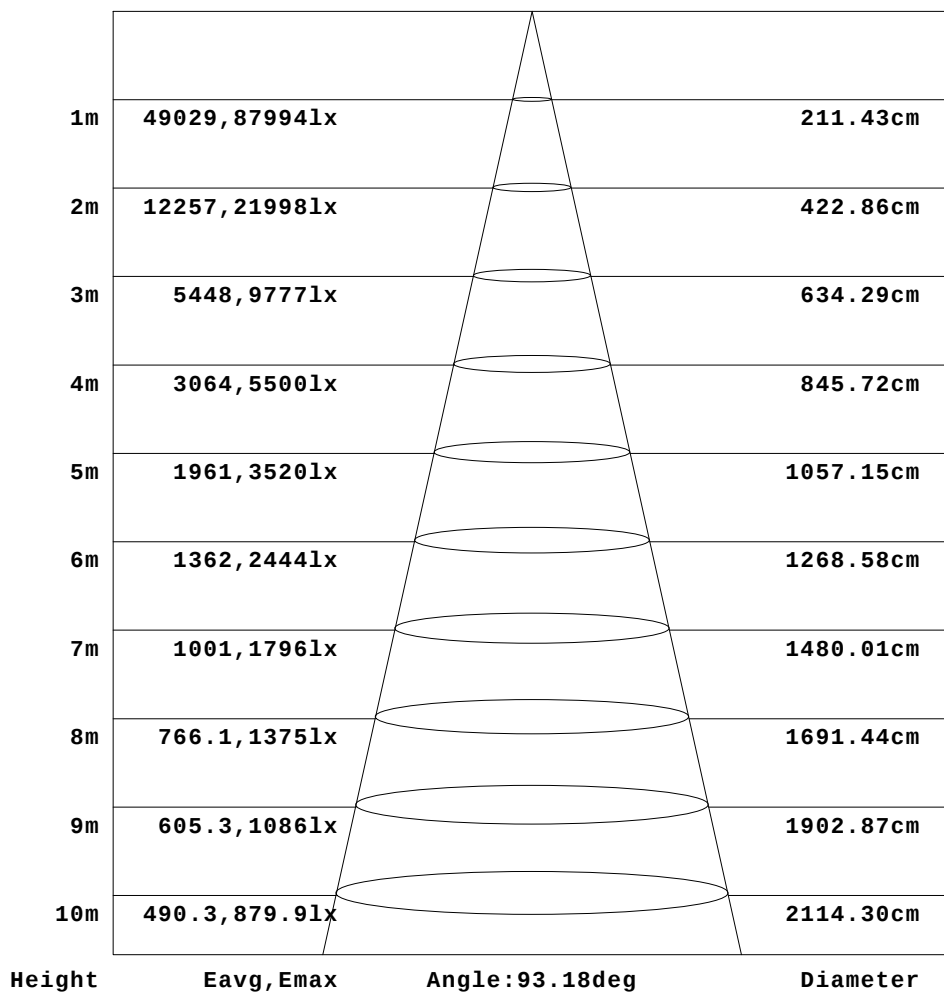
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-09-18

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

AAI Figure

Test:U:10.197V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:202385x1 lm		
NAME: 1200W-5050-90	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.:	SUR.:0.65x0.74	Shielding Angle:

Flux out:177130 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: 2018-09-18

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.197V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:202385x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	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	10.0	10.5	11.0	11.5	12.3	13.5	14.7	15.9	17.1	18.2	19.0	19.8	20.5	21.1	21.6	21.9	22.2	22.6	22.8
-70	9.99	10.6	11.2	12.1	13.3	14.8	16.4	18.0	19.5	20.9	22.1	23.3	24.3	25.2	26.0	26.6	27.1	27.5	27.6
-65	9.80	10.5	11.2	12.3	13.7	15.5	17.5	19.5	21.3	23.1	24.7	26.3	27.7	29.0	30.2	31.1	31.8	32.2	32.4
-60	9.75	10.7	11.6	13.0	14.8	17.0	19.4	21.8	23.9	26.0	28.0	29.8	31.7	33.3	34.7	35.9	36.8	37.1	37.1
-55	9.71	10.5	11.5	13.1	15.0	17.4	20.1	23.0	25.9	28.9	32.7	38.6	51.9	82.1	125	167	200	221	229
-50	9.80	10.7	12.0	13.9	16.1	18.9	22.0	25.4	29.0	33.2	39.3	50.7	81.1	147	233	314	374	410	420
-45	9.75	10.5	11.9	13.8	16.3	19.2	22.6	26.3	30.6	35.6	42.9	56.7	93.0	180	306	431	527	588	612
-40	9.71	10.6	12.2	14.3	17.0	20.2	24.2	29.2	36.6	58.1	133	252	376	494	591	660	711	737	748
-35	9.63	10.2	11.8	13.9	16.6	19.9	24.1	29.8	38.8	65.3	183	397	611	763	841	865	878	877	885
-30	9.50	10.3	12.2	14.4	17.4	21.1	26.0	33.2	46.8	101	310	635	918	1075	1107	1074	1049	1018	1021
-25	9.11	9.70	11.5	13.6	16.4	20.1	25.4	33.9	58.1	174	433	738	942	1038	1055	1025	1002	979	979
-20	8.57	9.68	11.6	13.8	16.8	20.9	27.5	39.5	94.6	329	682	945	1019	1019	993	964	945	935	939
-15	8.22	8.96	10.9	13.0	15.8	19.8	26.4	38.5	88.4	362	791	1079	1087	1004	947	912	897	893	897
-10	7.55	8.82	10.7	12.8	15.8	20.3	27.7	43.4	142	505	923	1101	1046	974	922	899	887	887	891
-5	7.08	7.95	9.67	11.7	14.5	18.6	25.4	38.8	122	475	910	1103	1040	967	915	891	881	881	885
0	6.46	7.77	9.40	11.5	14.5	19.0	26.7	45.0	190	626	1033	1100	998	940	892	879	872	876	879
5	6.16	7.11	8.68	10.6	13.3	17.3	23.9	36.9	119	478	919	1115	1037	963	911	887	877	877	880
10	5.77	7.08	8.63	10.6	13.4	17.6	24.7	39.1	137	515	942	1121	1036	966	914	892	879	878	881
15	5.46	6.43	7.93	9.75	12.3	16.0	21.9	32.7	79.7	373	816	1116	1078	989	935	901	884	879	882
20	5.16	6.44	7.90	9.74	12.3	15.9	21.7	32.1	85.2	335	705	983	1033	1030	987	947	925	916	920
25	4.92	5.85	7.25	8.89	11.1	14.2	18.7	26.0	47.9	168	443	779	985	1077	1060	1005	973	953	958
30	4.63	5.84	7.20	8.84	11.0	13.9	17.9	24.0	35.5	84.3	321	686	990	1133	1111	1045	1011	990	996
35	4.51	5.36	6.68	8.11	10.0	12.5	15.8	20.4	27.8	51.8	181	421	650	803	854	860	872	878	891
40	4.33	5.43	6.68	8.07	9.91	12.2	15.2	19.0	25.2	44.1	127	258	387	507	602	676	736	771	785
45	4.21	4.97	6.19	7.41	9.00	11.0	13.3	16.0	19.2	23.1	28.6	40.4	73.0	168	315	466	580	652	680
50	4.05	4.99	6.09	7.23	8.72	10.5	12.6	14.9	17.6	20.8	25.5	35.3	63.6	136	239	335	407	450	462
55	3.95	4.54	5.57	6.56	7.79	9.35	11.1	12.9	14.9	17.1	19.9	24.8	36.7	69.3	120	171	210	234	243
60	3.79	4.52	5.43	6.32	7.43	8.83	10.3	11.6	12.9	14.4	15.8	17.3	18.8	20.4	21.9	23.4	24.5	25.1	25.4
65	3.78	4.17	4.96	5.69	6.56	7.67	8.85	9.96	11.0	12.2	13.3	14.5	15.6	16.8	17.9	19.0	19.9	20.5	20.8
70	3.70	4.13	4.78	5.38	6.10	6.99	7.88	8.71	9.56	10.4	11.3	12.1	12.9	13.7	14.4	15.0	15.6	16.1	16.3
75	3.68	3.84	4.35	4.82	5.32	5.94	6.56	7.14	7.74	8.38	8.87	9.41	9.86	10.2	10.5	10.8	11.1	11.5	11.7
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:2018-09-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.197V I:0A P:0W PF:0.0000 Freq:49.98Hz Lamp Flux:202385x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.74	DIM.: 0.65x0.74	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.74	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	22.7	22.3	21.9	21.5	21.1	20.5	19.8	18.9	18.0	16.9	15.8	14.7	13.4	12.3	11.3	10.7	10.1	9.68
-70	27.4	27.0	26.4	25.7	24.9	24.0	22.9	21.6	20.3	18.9	17.5	16.0	14.4	13.0	11.8	10.8	10.0	9.51
-65	32.3	31.9	31.2	30.2	29.1	27.8	26.4	24.9	23.2	21.5	19.8	18.0	16.1	14.2	12.6	11.3	10.3	9.44
-60	37.0	36.6	35.6	34.3	32.8	31.2	29.4	27.5	25.4	23.4	21.4	19.3	16.9	14.8	12.9	11.4	10.1	9.25
-55	223	203	170	127	82.2	51.4	38.5	32.9	29.6	26.6	23.9	21.3	18.7	16.2	14.0	12.1	10.6	9.36
-50	403	359	289	200	116	64.1	44.8	36.9	32.4	28.8	25.4	22.3	19.4	16.6	14.2	12.2	10.5	9.29
-45	596	536	438	310	180	91.2	55.9	43.1	36.9	32.3	28.1	24.5	21.3	18.2	15.4	13.0	11.0	9.42
-40	733	700	641	568	474	357	229	111	49.7	35.7	29.7	25.3	21.6	18.4	15.5	12.9	10.7	9.34
-35	880	880	869	858	810	671	454	219	75.1	42.5	33.4	27.8	23.4	19.8	16.7	13.8	11.3	9.48
-30	1024	1060	1092	1139	1107	909	581	250	77.4	44.2	34.5	28.2	23.6	19.9	16.7	13.7	10.9	9.41
-25	978	1000	1029	1070	1082	1003	817	502	213	70.9	39.2	30.5	24.8	20.7	17.4	14.3	11.5	9.31
-20	935	954	980	1017	1042	1043	943	623	268	72.1	39.5	30.1	24.2	20.1	16.8	13.8	11.0	8.98
-15	890	896	921	947	997	1086	1146	892	452	117	45.6	32.8	25.5	21.0	17.5	14.4	11.6	8.92
-10	884	893	913	941	991	1081	1128	874	429	107	43.1	31.0	24.3	20.0	16.7	13.7	10.8	8.53
-5	879	881	899	918	963	1032	1128	1005	589	177	49.8	32.9	25.2	20.6	17.2	14.2	11.2	8.47
0	873	876	889	909	954	1025	1135	1001	560	148	45.4	31.1	24.0	19.7	16.4	13.4	10.4	8.04
5	875	877	893	913	958	1024	1122	1012	597	180	49.2	32.0	24.4	19.9	16.5	13.6	10.7	7.94
10	876	884	901	931	980	1066	1120	891	444	112	41.7	29.2	22.7	18.6	15.4	12.6	9.71	7.46
15	878	884	903	932	982	1064	1128	913	475	127	43.8	30.1	23.1	18.8	15.5	12.7	9.93	7.34
20	915	932	959	1001	1027	1037	953	655	285	76.5	36.4	26.6	21.0	17.2	14.2	11.5	8.87	6.85
25	952	970	1001	1052	1069	1009	847	542	230	72.3	35.4	26.2	20.8	17.0	14.0	11.4	8.92	6.64
30	990	1021	1063	1120	1097	939	637	294	83.8	40.8	29.5	23.2	18.8	15.5	12.7	10.3	7.91	6.18
35	881	879	871	867	816	691	490	250	81.1	38.2	27.7	22.0	18.0	14.9	12.3	10.1	7.96	6.07
40	767	735	679	604	497	375	246	122	46.8	29.4	23.1	19.0	15.8	13.2	11.0	9.07	7.11	5.81
45	665	608	511	376	225	108	54.9	37.7	29.5	24.6	20.6	17.5	14.8	12.5	10.5	8.78	7.07	5.65
50	446	403	333	239	139	68.7	39.8	29.7	24.3	20.8	17.8	15.3	13.0	11.0	9.32	7.86	6.31	5.42
55	239	220	187	141	90.2	50.2	31.4	24.7	20.9	18.3	16.1	14.0	12.0	10.2	8.77	7.51	6.19	5.21
60	25.6	25.4	24.6	23.6	22.3	20.9	19.4	17.9	16.3	14.9	13.5	11.9	10.3	8.86	7.71	6.67	5.52	5.01
65	20.9	20.8	20.3	19.6	18.7	17.6	16.5	15.3	14.1	12.9	11.8	10.6	9.31	8.07	7.10	6.24	5.31	4.75
70	16.2	16.0	15.6	15.2	14.6	13.9	13.1	12.3	11.5	10.5	9.68	8.75	7.77	6.86	6.14	5.45	4.73	4.53
75	11.6	11.4	11.2	11.0	10.8	10.5	10.0	9.61	9.14	8.50	7.89	7.29	6.62	5.98	5.46	4.95	4.41	4.26
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:2018-09-18

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: