

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		2119.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	68.8V x 68.9H
	At 50% of Imax	34.3V x 34.3H
	At 90% of Imax	12.3V x 12.5H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	832.6 lumens per klm.
	To 50% of Imax	420.5 lumens per klm.
	To 90% of Imax	73.7 lumens per klm.
	Upward LOR	2.1 %
	Downward LOR	98.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

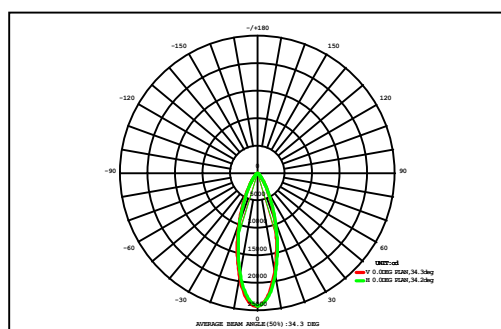
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H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-07-28

V( $\theta$ ) Range:-180 - 180DEG  
V( $\theta$ ) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:75.89lm/W	
MODEL	CREE XPG3 4000K	Imax(cd)	24250
NOMINAL POWER(W)	120	AVAILABILITY(%)	83.3
RATED VOLTAGE(V)	AC 220	Avai. FLUX(lm)	9533
NOMINAL FLUX(lm)	11442.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	11442
TEST VOLTAGE(V)	AC 220	q @50% (H,V)	34,34DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.04	0.12	0.21	0.29	0.37	0.44	0.50	0.54	0.56	0.56	0.53	0.49	0.43	0.36	0.29	0.20	0.14	0.06	6.14	0.00
90	0.04	0.12	0.21	0.29	0.37	0.44	0.50	0.54	0.56	0.56	0.53	0.49	0.43	0.36	0.29	0.20	0.14	0.06	6.14	0.00
80	0.04	0.14	0.25	0.38	0.52	0.67	0.80	0.91	0.97	0.96	0.89	0.78	0.65	0.51	0.37	0.25	0.16	0.06	9.29	0.00
70	0.04	0.15	0.30	0.51	0.80	1.19	1.65	2.08	2.34	2.32	2.03	1.59	1.14	0.77	0.49	0.30	0.18	0.06	18.0	0.00
60	0.05	0.17	0.38	0.75	1.47	2.74	4.51	6.36	7.57	7.50	6.19	4.32	2.60	1.39	0.71	0.37	0.20	0.06	47.4	0.00
50	0.05	0.19	0.48	1.19	3.00	6.75	12.6	19.3	24.0	23.7	18.6	11.9	6.31	2.81	1.12	0.48	0.22	0.06	133	0.00
40	0.05	0.21	0.61	1.93	5.89	15.1	31.8	53.1	69.4	68.4	50.8	29.6	13.9	5.41	1.81	0.62	0.24	0.07	349	90.8
30	0.05	0.23	0.77	2.94	10.1	29.1	69.0	131	186	183	125	64.0	26.5	9.16	2.75	0.79	0.27	0.07	839	693
20	0.05	0.24	0.93	3.96	14.8	46.6	124	270	405	396	255	115	42.5	13.5	3.73	0.96	0.29	0.07	1693	1581
10	0.05	0.25	1.02	4.62	18.0	59.9	175	400	629	613	374	161	55.1	16.6	4.39	1.07	0.31	0.07	2513	2414
0	0.05	0.26	1.03	4.62	17.9	59.6	174	396	622	613	377	162	55.5	16.8	4.45	1.09	0.31	0.07	2506	2408
-10	0.05	0.25	0.95	3.99	14.6	45.6	122	264	399	395	256	117	43.6	14.0	3.88	1.01	0.30	0.07	1680	1568
-20	0.05	0.25	0.82	3.00	9.99	28.2	66.6	128	184	182	126	64.7	27.5	9.74	2.97	0.87	0.29	0.07	835	688
-30	0.05	0.23	0.67	2.04	5.91	14.7	30.7	52.5	68.9	68.6	51.9	30.4	14.5	5.81	2.05	0.72	0.27	0.07	350	91.4
-40	0.05	0.22	0.55	1.31	3.11	6.74	12.4	19.1	23.8	23.8	19.1	12.4	6.71	3.12	1.34	0.58	0.25	0.07	135	0.00
-50	0.05	0.21	0.46	0.87	1.61	2.88	4.67	6.53	7.72	7.72	6.54	4.69	2.92	1.65	0.90	0.48	0.23	0.07	50.2	0.00
-60	0.05	0.19	0.40	0.64	0.95	1.37	1.86	2.32	2.60	2.61	2.35	1.90	1.41	0.98	0.65	0.41	0.22	0.07	21.0	0.00
-70	0.05	0.18	0.35	0.51	0.68	0.85	1.01	1.14	1.21	1.22	1.15	1.03	0.87	0.69	0.52	0.36	0.20	0.07	12.1	0.00
-80	0.05	0.17	0.31	0.44	0.55	0.65	0.73	0.78	0.81	0.82	0.79	0.73	0.65	0.55	0.44	0.32	0.19	0.06	9.04	0.00
-90	0.04	0.12	0.21	0.29	0.37	0.44	0.50	0.54	0.56	0.56	0.53	0.49	0.43	0.36	0.29	0.20	0.14	0.06	6.14	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
F t	0.89	3.67	10.5	34.0	110	323	834	1753	2635	2589	1674	783	303	104	32.8	10.9	4.28	1.21	11206	---
F a	0.00	0.00	0.00	0.00	0.00	93.1	671	1610	2496	2450	1529	615	69.1	0.00	0.00	0.00	0.00	0.00	---	9533

one-half-peak spread: U:17.2,D:17.4 , L:16.8,R:17.8

NEMA Beam Type: Type 4

H(h) Range:-90 - 90DEG  
H(h) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-07-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

10600 lm

%lum = 92.6%

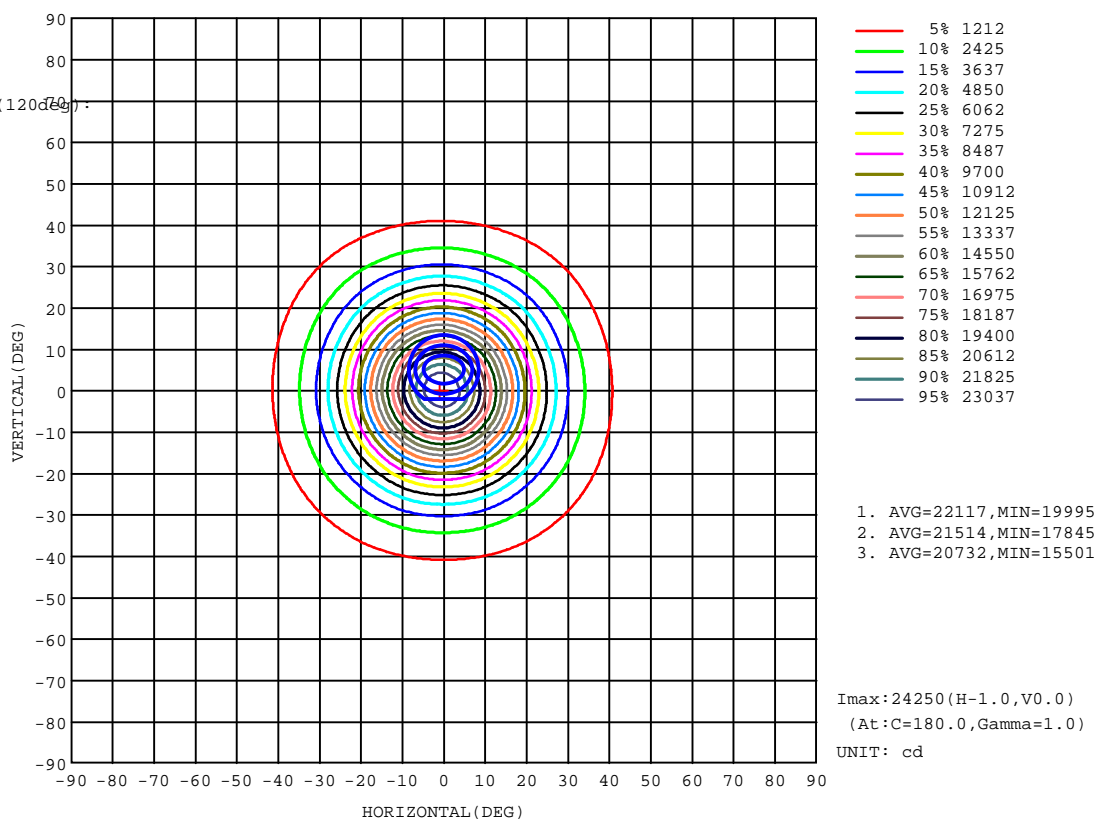
%lamp = 92.6%

Conical surface Flux(120deg):

11067 lm

%lum = 96.7%

%lamp = 96.7%



H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

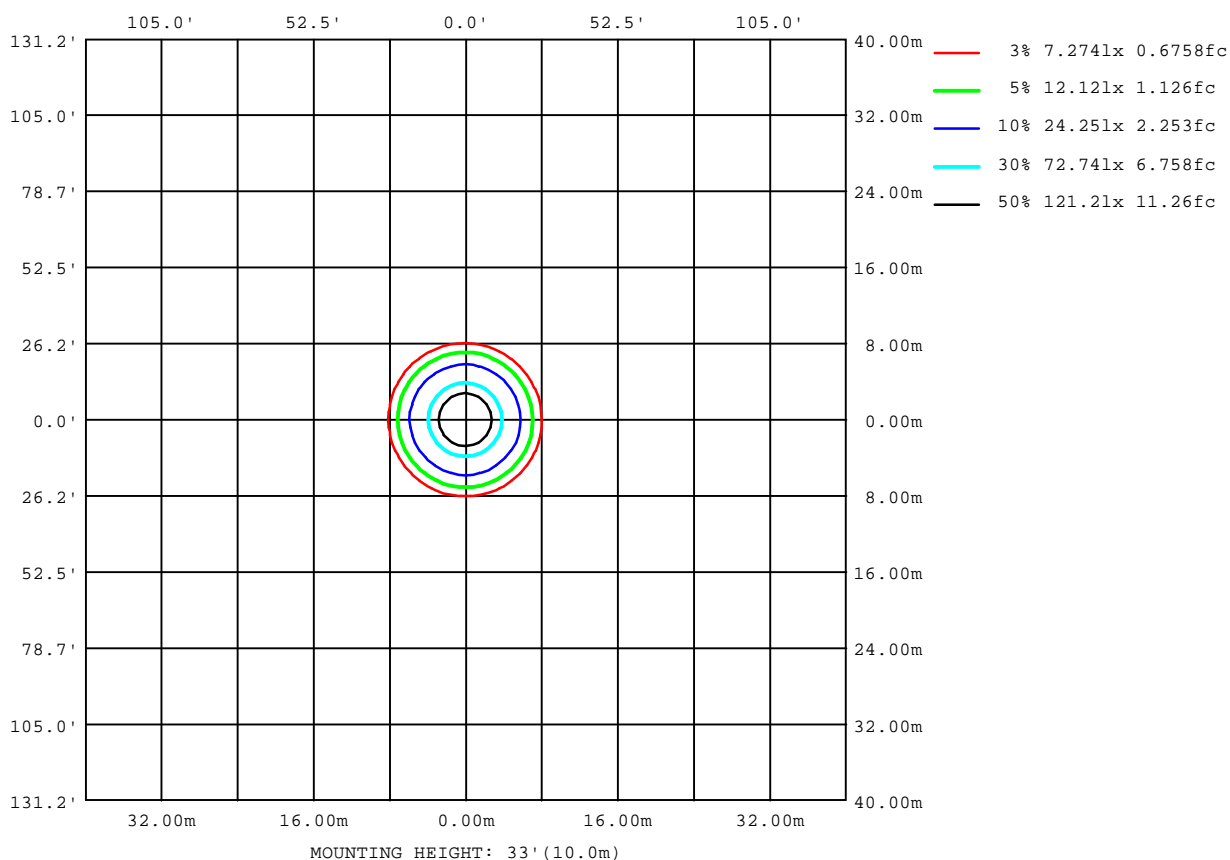
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## ISOLUX DIAGRAM

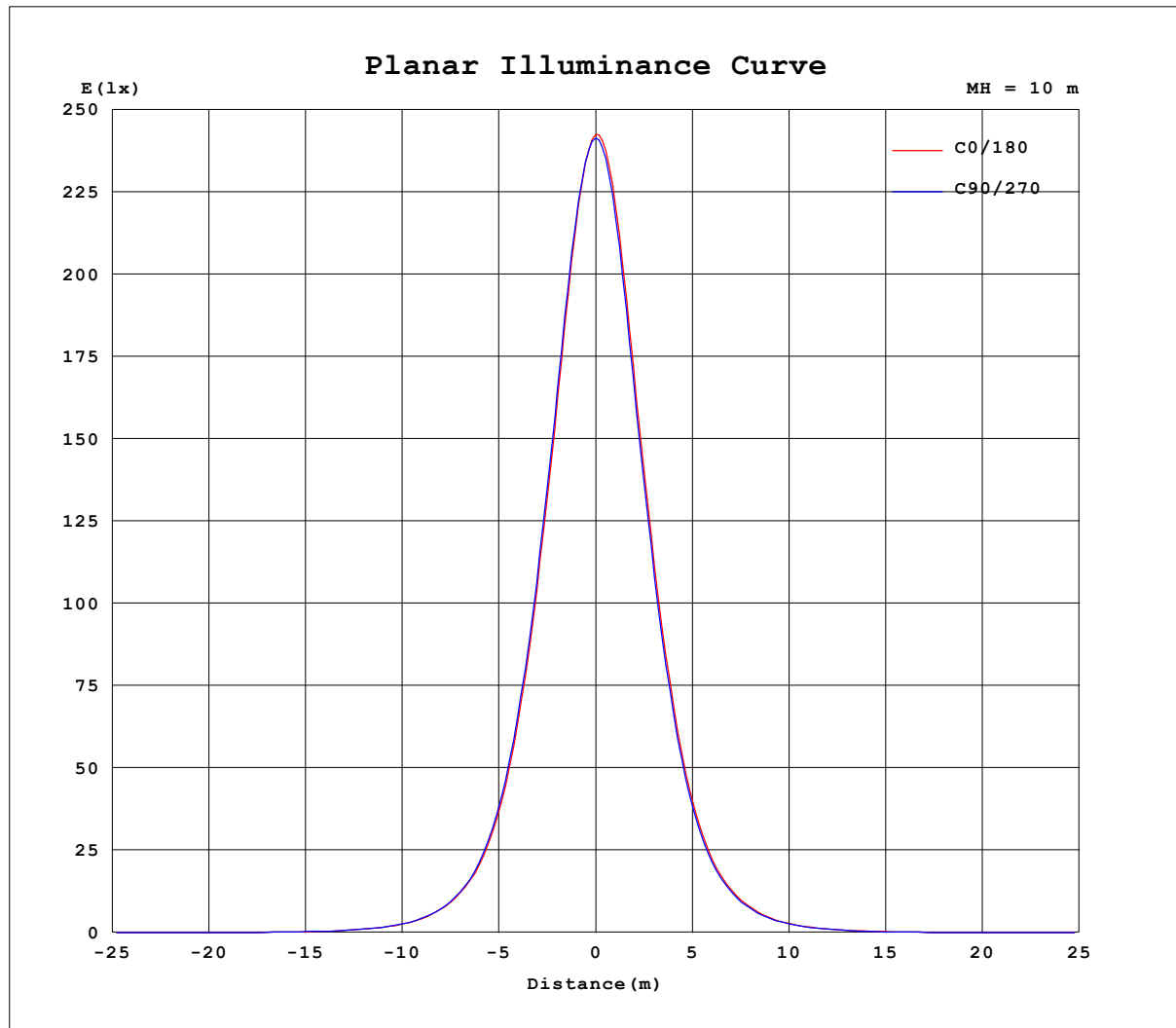
Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:



H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-07-28

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

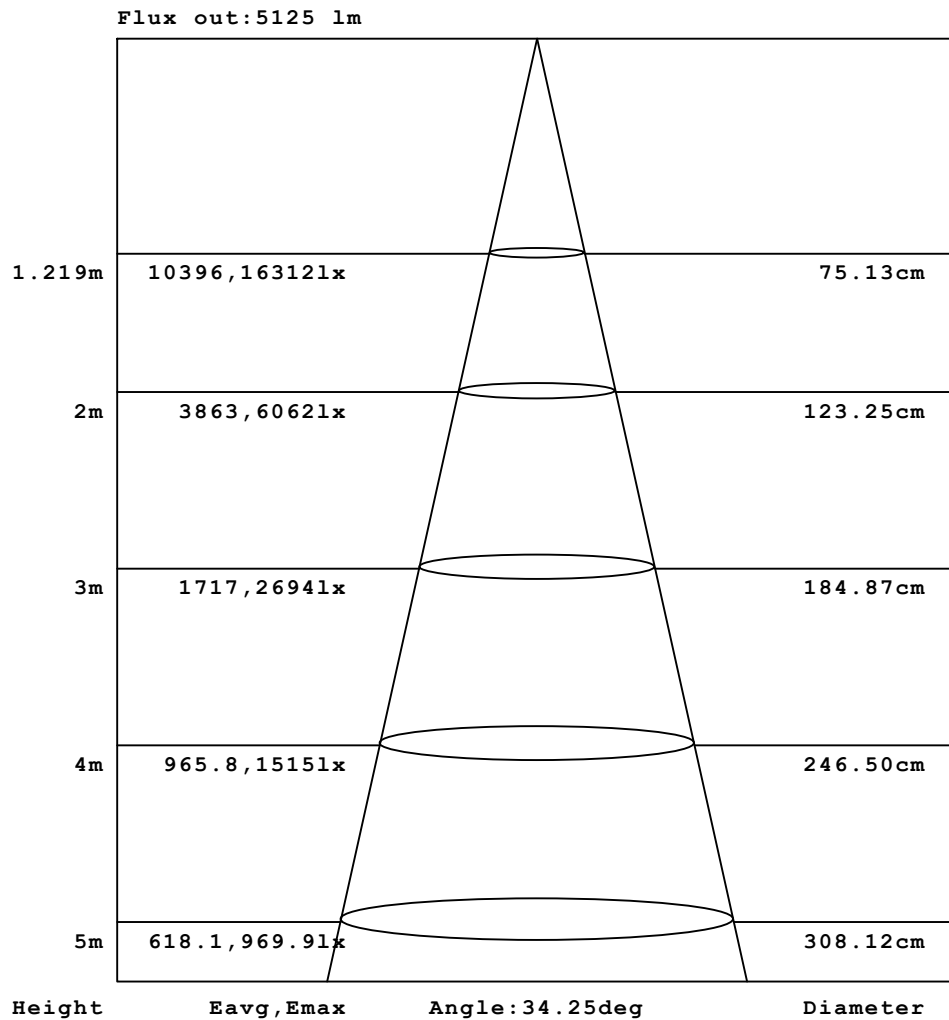


H( $\theta$ ) Range:-90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:Matthew  
Test Date:2018-07-28

V( $\theta$ ) Range:-180 - 180DEG  
V( $\theta$ ) Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:11.510m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:



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

H( $\theta$ ) Range: -90 - 90DEG  
H( $\theta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: Matthew  
Test Date: 2018-07-28

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.290  
Humidity: 65.0%  
Test Distance: 11.510m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	1.48	1.38	1.25	1.16	1.16	1.28	1.60	2.13	2.91	3.90	5.05	6.24	7.34	8.25	8.94	9.40	9.65	9.79	9.83
-170	1.48	1.42	1.34	1.30	1.35	1.52	1.87	2.44	3.23	4.24	5.37	6.55	7.61	8.48	9.05	9.38	9.57	9.68	9.71
-160	1.48	1.46	1.43	1.44	1.53	1.72	2.06	2.59	3.32	4.23	5.26	6.20	7.07	7.82	8.40	8.81	9.08	9.24	9.29
-150	1.48	1.50	1.52	1.57	1.69	1.88	2.19	2.64	3.23	3.78	4.43	5.14	5.86	6.54	7.12	7.57	7.89	8.10	8.18
-140	1.48	1.54	1.61	1.70	1.84	2.04	2.30	2.56	2.80	3.13	3.54	3.99	4.47	4.93	5.36	5.73	6.01	6.19	6.26
-130	1.48	1.57	1.69	1.82	1.98	2.18	2.34	2.39	2.49	2.63	2.82	3.04	3.28	3.52	3.75	3.95	4.11	4.22	4.26
-120	1.48	1.61	1.76	1.92	2.10	2.30	2.33	2.33	2.34	2.38	2.42	2.49	2.57	2.65	2.72	2.80	2.86	2.90	2.91
-110	1.48	1.63	1.81	1.99	2.19	2.35	2.35	2.34	2.34	2.34	2.34	2.34	2.35	2.35	2.36	2.37	2.38	2.38	2.39
-100	1.48	1.65	1.84	2.04	2.24	2.36	2.36	2.36	2.37	2.37	2.37	2.37	2.36	2.36	2.36	2.36	2.37	2.37	2.37
-90	1.48	1.67	1.86	2.06	2.25	2.35	2.35	2.35	2.36	2.36	2.36	2.36	2.36	2.36	2.37	2.37	2.37	2.38	2.38
-80	1.48	1.73	1.96	2.19	2.42	2.56	2.62	2.67	2.73	2.78	2.84	2.89	2.94	2.99	3.04	3.07	3.10	3.12	3.13
-70	1.48	1.77	2.05	2.33	2.62	2.88	3.03	3.21	3.40	3.60	3.84	4.09	4.35	4.61	4.86	5.06	5.22	5.32	5.37
-60	1.48	1.80	2.13	2.48	2.86	3.29	3.67	4.12	4.71	5.45	6.36	7.45	8.67	9.95	11.2	12.3	13.2	13.8	13.9
-50	1.48	1.83	2.21	2.64	3.15	3.81	4.68	5.85	7.54	9.89	13.0	17.0	21.6	26.8	31.9	36.6	40.5	42.9	43.7
-40	1.48	1.85	2.27	2.79	3.48	4.53	6.23	8.91	13.1	19.2	27.9	38.9	52.7	69.0	87.1	105	121	131	134
-30	1.48	1.86	2.32	2.92	3.84	5.45	8.35	13.5	21.9	34.7	53.4	79.8	116	162	217	275	329	366	377
-20	1.48	1.86	2.34	3.02	4.17	6.40	10.7	18.8	32.5	54.6	88.6	142	219	324	463	637	809	931	968
-10	1.48	1.85	2.33	3.06	4.38	7.11	12.7	23.3	41.8	72.7	124	207	336	533	820	1157	1490	1761	1854
0	1.48	1.82	2.29	3.01	4.38	7.28	13.3	25.0	45.6	80.9	141	239	397	654	1018	1450	1917	2298	2425
10	1.48	1.82	2.28	2.97	4.27	6.97	12.5	23.2	41.9	73.4	126	210	339	541	833	1179	1526	1786	1876
20	1.48	1.80	2.23	2.85	3.95	6.12	10.4	18.5	32.5	55.2	91.1	146	226	334	479	653	820	943	984
30	1.48	1.77	2.15	2.67	3.51	5.04	7.86	12.9	21.5	34.9	54.6	82.5	121	169	223	279	330	368	381
40	1.48	1.74	2.06	2.47	3.06	4.00	5.59	8.23	12.5	18.8	27.9	39.5	54.2	70.9	89.0	107	121	132	135
50	1.48	1.69	1.94	2.25	2.64	3.19	3.97	5.16	6.89	9.30	12.5	16.6	21.3	26.5	31.7	36.5	40.4	42.9	43.7
60	1.48	1.65	1.82	2.04	2.28	2.57	2.95	3.42	4.02	4.79	5.72	6.79	7.98	9.21	10.4	11.5	12.4	13.0	13.1
70	1.48	1.60	1.71	1.83	1.97	2.12	2.29	2.47	2.68	2.90	3.13	3.37	3.62	3.85	4.07	4.25	4.39	4.47	4.49
80	1.48	1.54	1.60	1.65	1.71	1.76	1.82	1.89	1.95	2.01	2.07	2.13	2.18	2.22	2.26	2.29	2.31	2.32	2.33
90	1.48	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.45	1.45
100	1.48	1.45	1.44	1.43	1.42	1.40	1.38	1.35	1.33	1.31	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.24	1.23
110	1.48	1.44	1.41	1.38	1.34	1.30	1.26	1.22	1.19	1.16	1.15	1.14	1.14	1.14	1.14	1.14	1.15	1.15	1.15
120	1.48	1.43	1.38	1.32	1.26	1.21	1.17	1.15	1.14	1.16	1.20	1.25	1.32	1.39	1.46	1.52	1.57	1.60	1.61
130	1.48	1.41	1.34	1.27	1.20	1.16	1.15	1.18	1.26	1.39	1.56	1.77	2.00	2.24	2.47	2.67	2.82	2.92	2.95
140	1.48	1.40	1.31	1.22	1.16	1.15	1.20	1.34	1.57	1.88	2.27	2.72	3.22	3.71	4.16	4.55	4.85	5.03	5.10
150	1.48	1.39	1.29	1.19	1.15	1.18	1.32	1.59	2.00	2.55	3.21	3.96	4.73	5.47	6.13	6.66	7.05	7.28	7.36
160	1.48	1.38	1.27	1.17	1.15	1.23	1.45	1.86	2.45	3.22	4.14	5.13	6.12	7.00	7.72	8.27	8.64	8.84	8.91
170	1.48	1.38	1.26	1.16	1.15	1.27	1.56	2.06	2.79	3.72	4.81	5.95	7.03	7.95	8.65	9.14	9.43	9.56	9.60
180	1.48	1.38	1.25	1.16	1.16	1.28	1.60	2.13	2.91	3.90	5.05	6.24	7.34	8.25	8.94	9.40	9.65	9.79	9.83

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.5879A P:125.4W PF:0.9672 Lamp Flux:11442.2x1 lm		
NAME: L0228-120W-48-4000K-HQ60D+5D-XPG3	TYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: ×10cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-180	9.81	9.75	9.62	9.35	8.91	8.26	7.37	6.34	5.28	4.33	3.54	2.94	2.57	2.39	2.35	2.37	2.39	2.38
-170	9.70	9.61	9.46	9.16	8.69	8.00	7.13	6.12	5.11	4.20	3.45	2.90	2.55	2.39	2.35	2.37	2.39	2.38
-160	9.26	9.13	8.89	8.52	7.97	7.26	6.41	5.50	4.62	3.85	3.23	2.77	2.50	2.37	2.36	2.37	2.39	2.38
-150	8.13	7.95	7.65	7.23	6.68	6.03	5.31	4.60	3.94	3.37	2.93	2.61	2.43	2.36	2.36	2.38	2.39	2.38
-140	6.22	6.06	5.81	5.46	5.05	4.59	4.12	3.66	3.25	2.90	2.64	2.47	2.38	2.36	2.36	2.38	2.39	2.38
-130	4.24	4.14	4.00	3.81	3.60	3.36	3.12	2.90	2.70	2.55	2.44	2.38	2.36	2.36	2.37	2.38	2.39	2.38
-120	2.90	2.87	2.82	2.75	2.68	2.60	2.53	2.46	2.41	2.38	2.36	2.36	2.36	2.37	2.38	2.39	2.39	2.38
-110	2.39	2.38	2.38	2.37	2.36	2.36	2.35	2.35	2.36	2.36	2.36	2.37	2.37	2.38	2.39	2.39	2.38	2.38
-100	2.37	2.37	2.37	2.36	2.37	2.37	2.38	2.38	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.38	2.38
-90	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.39	2.39	2.39	2.39	2.38	2.38	2.38	2.38	2.38	2.38
-80	3.13	3.12	3.10	3.07	3.03	2.99	2.94	2.88	2.83	2.77	2.71	2.65	2.60	2.55	2.50	2.46	2.42	2.38
-70	5.35	5.27	5.14	4.96	4.72	4.46	4.20	3.95	3.71	3.48	3.28	3.09	2.93	2.78	2.65	2.55	2.46	2.38
-60	13.8	13.3	12.4	11.4	10.1	8.87	7.65	6.58	5.64	4.87	4.25	3.76	3.38	3.08	2.84	2.64	2.50	2.38
-50	42.9	40.5	36.6	31.8	26.7	21.6	17.0	13.2	10.1	7.73	6.02	4.83	4.00	3.44	3.04	2.75	2.53	2.38
-40	130	120	105	86.9	68.8	52.4	38.5	27.6	19.1	13.1	9.07	6.45	4.83	3.86	3.25	2.85	2.57	2.38
-30	364	326	271	213	159	114	78.6	52.4	34.0	21.5	13.5	8.62	5.84	4.31	3.45	2.94	2.60	2.38
-20	921	794	621	448	313	211	137	86.2	52.8	31.4	18.5	11.0	6.86	4.73	3.62	3.01	2.62	2.38
-10	1740	1453	1113	781	506	317	196	118	69.0	39.8	22.6	12.8	7.62	5.02	3.74	3.05	2.63	2.38
0	2236	1822	1355	940	599	364	221	131	75.2	42.9	24.0	13.4	7.86	5.11	3.77	3.06	2.64	2.38
10	1738	1454	1105	769	497	311	193	115	67.2	38.9	22.0	12.4	7.36	4.85	3.63	2.98	2.60	2.38
20	924	791	622	450	310	207	133	81.9	49.9	30.0	17.4	10.2	6.37	4.40	3.41	2.88	2.55	2.38
30	362	319	267	210	156	111	75.1	49.5	31.8	19.6	12.1	7.66	5.18	3.86	3.15	2.75	2.50	2.38
40	130	118	102	84.2	66.4	50.2	36.7	25.7	17.5	11.6	7.71	5.39	4.06	3.32	2.87	2.60	2.44	2.38
50	42.5	39.6	35.4	30.4	25.2	20.2	15.7	11.8	8.76	6.51	4.90	3.80	3.19	2.82	2.60	2.45	2.38	2.38
60	12.9	12.2	11.2	10.1	8.87	7.64	6.47	5.44	4.56	3.85	3.29	2.85	2.52	2.41	2.34	2.31	2.33	2.38
70	4.44	4.33	4.17	3.96	3.74	3.50	3.26	3.03	2.80	2.60	2.41	2.24	2.08	2.06	2.11	2.18	2.27	2.38
80	2.31	2.29	2.26	2.23	2.19	2.14	2.09	2.03	1.97	1.91	1.85	1.78	1.72	1.77	1.91	2.06	2.22	2.38
90	1.45	1.45	1.45	1.45	1.45	1.45	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.55	1.75	1.96	2.17	2.38
100	1.23	1.24	1.24	1.25	1.25	1.26	1.27	1.28	1.29	1.30	1.32	1.34	1.35	1.50	1.73	1.96	2.17	2.38
110	1.15	1.14	1.14	1.13	1.13	1.13	1.13	1.13	1.14	1.16	1.18	1.21	1.25	1.47	1.72	1.96	2.18	2.38
120	1.61	1.58	1.53	1.47	1.39	1.32	1.25	1.19	1.15	1.12	1.12	1.13	1.19	1.47	1.74	1.98	2.19	2.38
130	2.93	2.84	2.70	2.50	2.27	2.03	1.79	1.58	1.39	1.25	1.16	1.11	1.27	1.52	1.78	2.01	2.21	2.38
140	5.05	4.88	4.60	4.21	3.76	3.28	2.78	2.32	1.91	1.58	1.33	1.30	1.44	1.63	1.85	2.06	2.24	2.38
150	7.29	7.08	6.71	6.19	5.55	4.82	4.04	3.29	2.61	2.04	1.79	1.68	1.68	1.78	1.95	2.12	2.27	2.38
160	8.84	8.64	8.28	7.76	7.07	6.21	5.24	4.26	3.52	2.90	2.43	2.12	1.98	1.97	2.07	2.20	2.31	2.38
170	9.52	9.38	9.08	8.63	8.05	7.34	6.47	5.50	4.55	3.71	3.04	2.56	2.28	2.18	2.21	2.28	2.34	2.38
180	9.81	9.75	9.62	9.35	8.91	8.26	7.37	6.34	5.28	4.33	3.54	2.94	2.57	2.39	2.35	2.37	2.39	2.38

H(h) Range:-90 - 90DEG

H(h) Interval: 0.5DEG

Test Speed: HIGH

Temperature:30DEG

Operators:Matthew

Test Date:2018-07-28

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.290

Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks: