

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

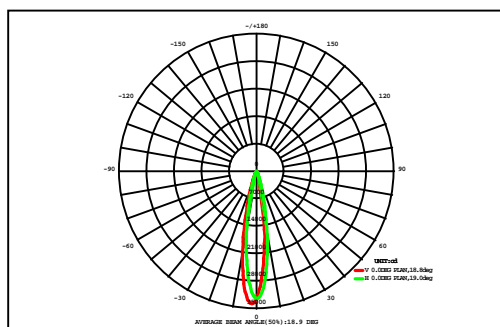
Maximum Intensity		6283.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	38.2V x 37.9H
	At 50% of Imax	19.0V x 18.8H
	At 90% of Imax	7.2V x 7.1H
Beam Flux	Total	1000.9 lumens per klm.
	To 10% of Imax	761.6 lumens per klm.
	To 50% of Imax	376.8 lumens per klm.
	To 90% of Imax	73.9 lumens per klm.
	Upward LOR	2.2 %
	Downward LOR	97.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

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

V(θ) Range:-180 - 180DEG
V(θ) 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:0.5524A P:118.3W PF:0.9705 Lamp Flux:5381.12x1 lm		
NAME: L0228-120W-18-RGBW(W=4000K)-BCQ15D+5D-XML	ALTYPE: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:45.49lm/W	
MOORE XML	RGBW(W=4000K)		Imax(cd)	33810
NOMINAL POWER(W)	120		AVAILABILITY(%)	76.0
RATED VOLTAGE(V)	AC 220		Avai. FLUX(lm)	4089
NOMINAL FLUX(lm)	5381.12		LOR(%)	100.0
LAMPS INSIDE	1		TOTAL FLUX(lm)	5381
TEST VOLTAGE(V)	AC 220		q @50%(H,V)	19,19DEG

[illegible]

one-half-peak spread: U:9.4,D:9.8 , L:9.7,R:9.3

NEMA Beam Type: Type 3

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H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Matthew
Test Date:2018-07-28
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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:0.5524A P:118.3W PF:0.9705 Lamp Flux:5381.12x1 lm		
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Conical surface Flux(90deg):

5118 lm

%lum = 95.0%

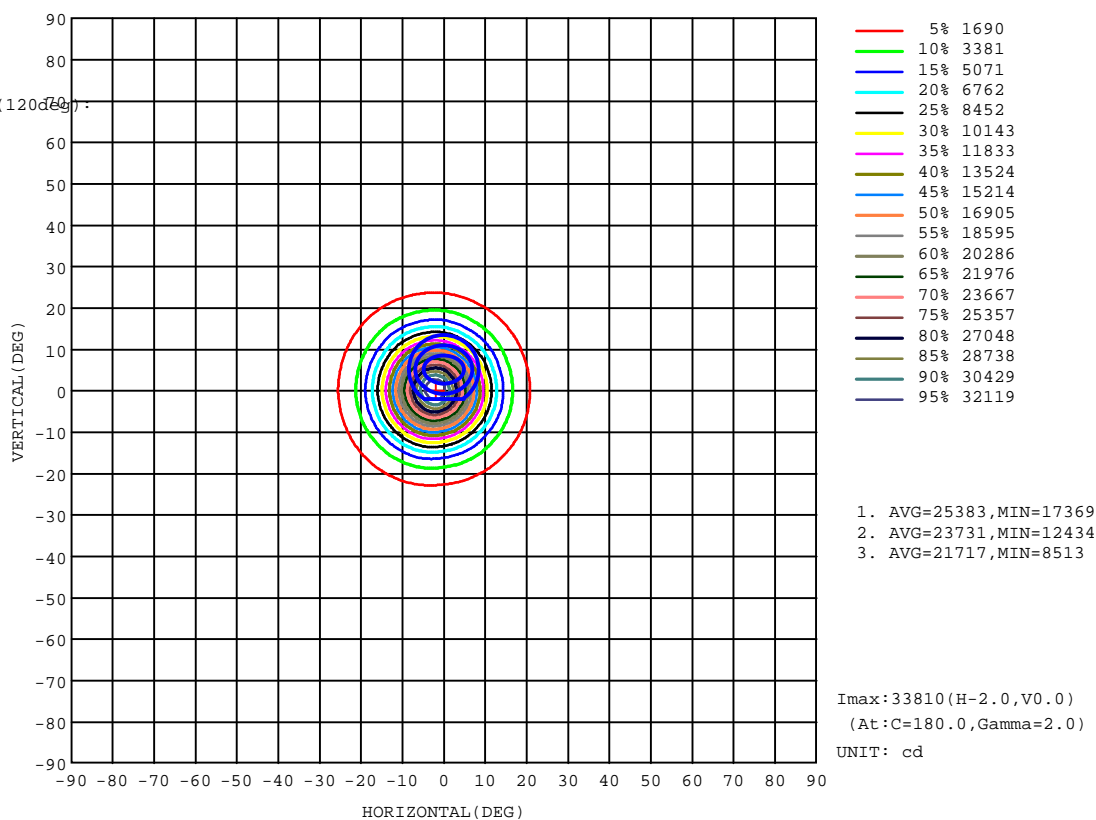
%lamp = 95.1%

Conical surface Flux(120deg):

5214.2 lm

%lum = 96.8%

%lamp = 96.9%



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

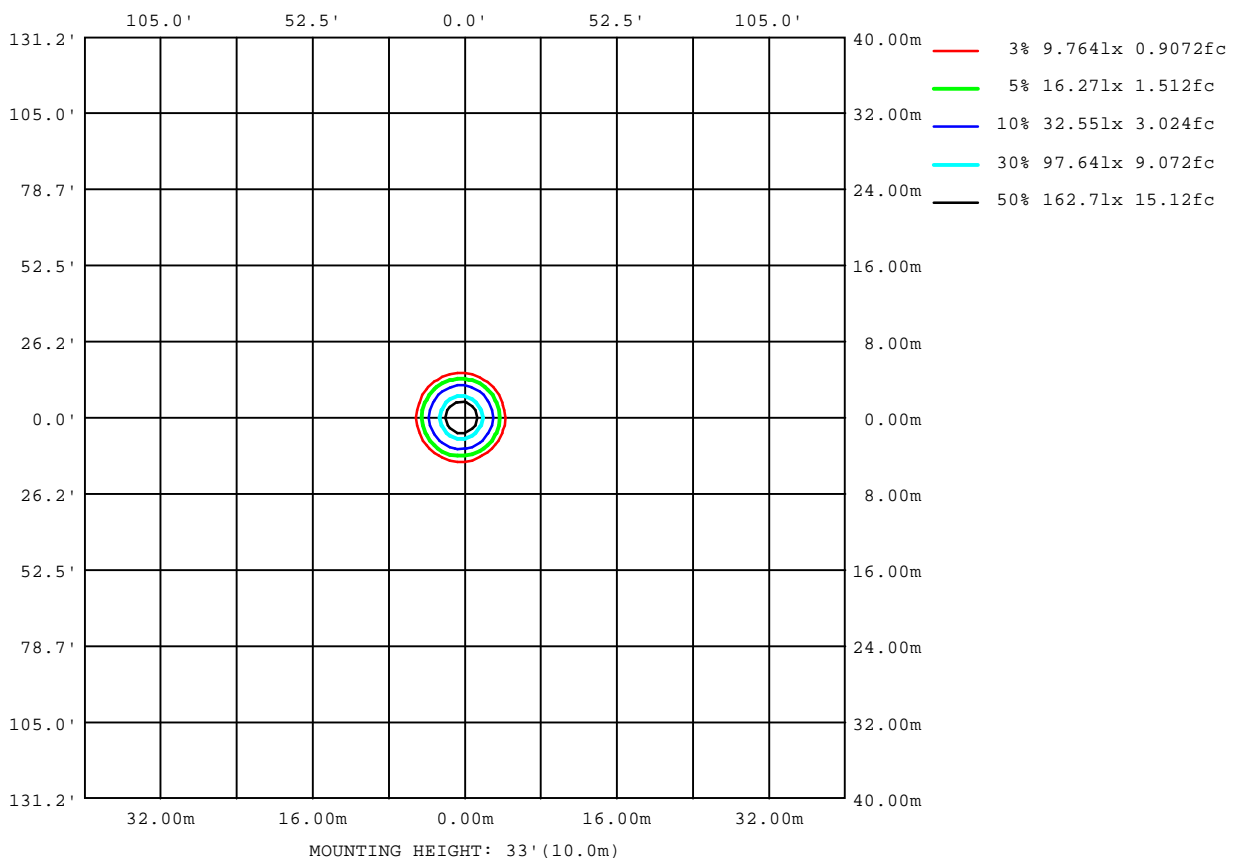
Humidity:65.0%

Test Distance:11.510m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

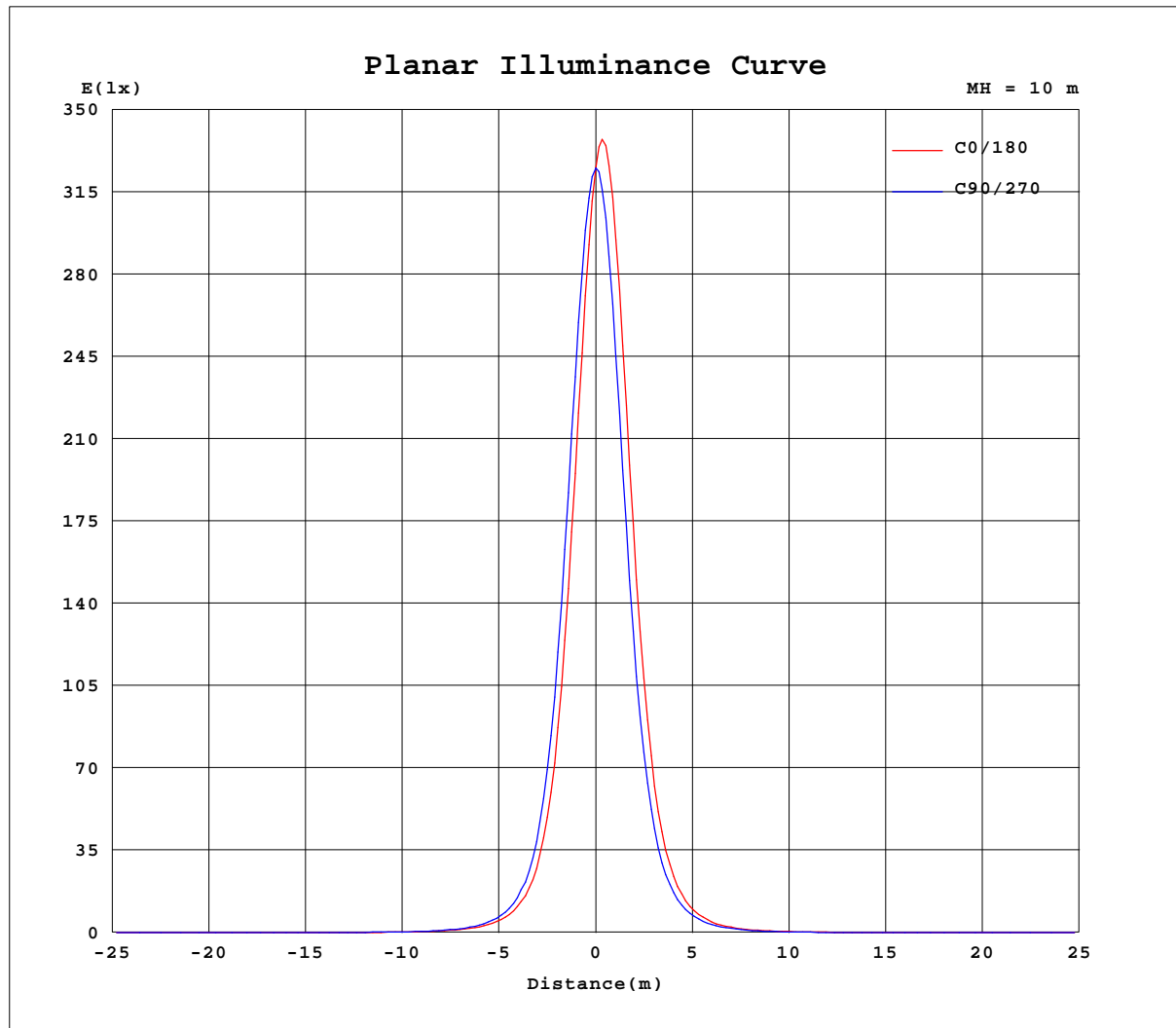
Test:U:220.6V I:0.5524A P:118.3W PF:0.9705 Lamp Flux:5381.12x1 lm		
NAME: L0228-120W-18-RGBW(W=4000K)-BCQ15D+5D-XML-	ALTYPE:PROJECTOR	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: 广东亮美集照明科技有限公司	SUR.:	PROTECTION ANGLE:



H(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:

Planar Illuminance Curve

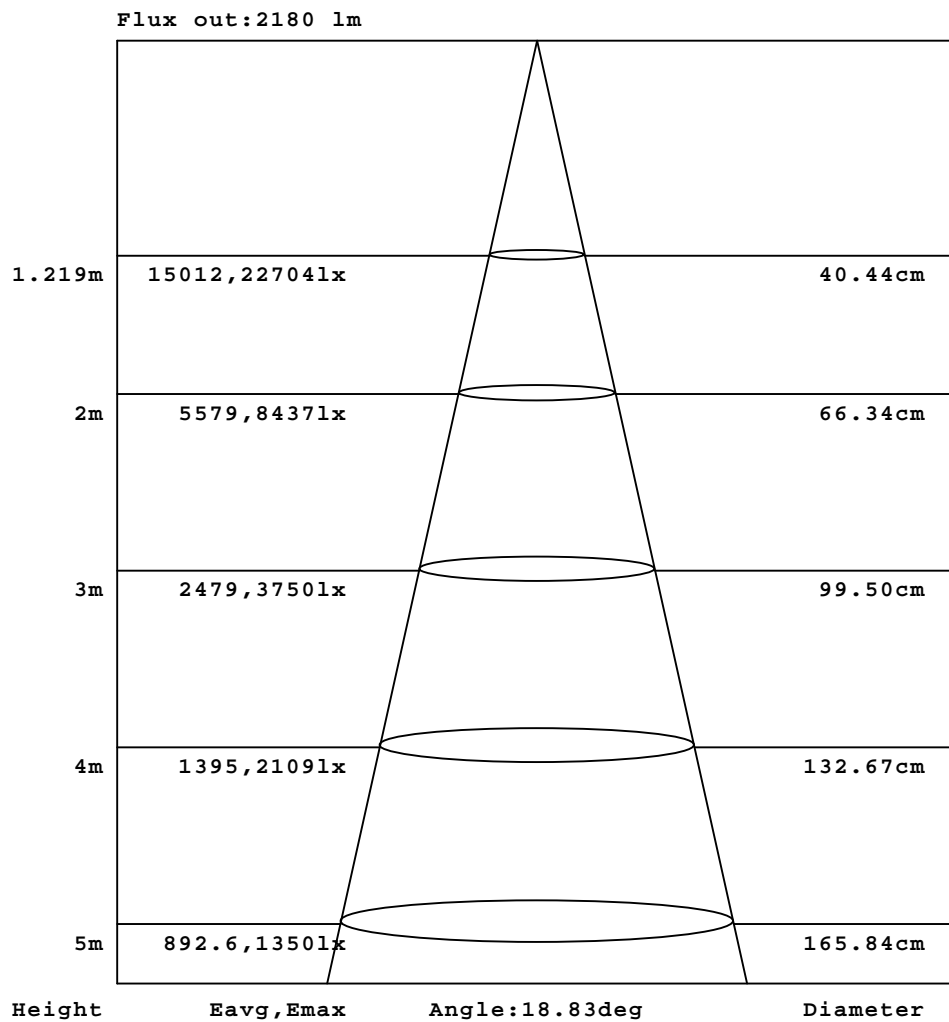


H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
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V(B) Range:-180 - 180DEG
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AAI Figure

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NAME: L0228-120W-18-RGBW(W=4000K)-BCQ15D+5D-XML	ALTYPE: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(θ) Range:-90 - 90DEG
H(θ) 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:0.5524A P:118.3W PF:0.9705 Lamp Flux:5381.12x1 lm		
NAME: L0228-120W-18-RGBW(W=4000K)-BCQ15D+5D-XML	ALTYPE: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	1.04	0.82	0.57	0.36	0.27	0.27	0.32	0.44	0.69	1.19	2.03	3.05	3.94	4.54	4.90	5.11	5.13	4.95	4.72
-170	1.04	0.84	0.63	0.46	0.38	0.38	0.46	0.63	0.95	1.51	2.40	3.54	4.57	5.21	5.35	5.31	5.24	5.15	5.04
-160	1.04	0.87	0.70	0.56	0.50	0.50	0.57	0.75	1.08	1.59	2.36	3.24	4.19	4.92	5.30	5.40	5.40	5.37	5.35
-150	1.04	0.91	0.78	0.68	0.63	0.62	0.68	0.81	1.07	1.36	1.76	2.30	2.97	3.70	4.35	4.83	5.12	5.26	5.33
-140	1.04	0.94	0.86	0.80	0.78	0.78	0.80	0.84	0.90	1.04	1.25	1.52	1.84	2.21	2.60	2.98	3.32	3.57	3.71
-130	1.04	0.97	0.94	0.93	0.94	0.97	0.96	0.88	0.85	0.86	0.92	1.02	1.15	1.29	1.44	1.58	1.71	1.81	1.87
-120	1.04	1.00	1.01	1.04	1.09	1.16	1.11	1.03	0.96	0.91	0.87	0.86	0.87	0.89	0.92	0.95	0.99	1.01	1.03
-110	1.04	1.04	1.07	1.13	1.21	1.27	1.24	1.21	1.16	1.12	1.08	1.04	1.00	0.97	0.95	0.93	0.92	0.91	0.90
-100	1.04	1.08	1.12	1.19	1.27	1.32	1.32	1.32	1.31	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.22	1.21	1.21
-90	1.04	1.11	1.18	1.26	1.33	1.37	1.37	1.38	1.38	1.38	1.38	1.38	1.38	1.37	1.37	1.37	1.37	1.37	1.37
-80	1.04	1.14	1.23	1.31	1.39	1.44	1.45	1.47	1.49	1.51	1.52	1.52	1.53	1.54	1.54	1.55	1.55	1.55	1.55
-70	1.04	1.16	1.25	1.34	1.43	1.50	1.54	1.59	1.64	1.70	1.76	1.82	1.89	1.95	2.00	2.04	2.05	2.05	2.03
-60	1.04	1.17	1.27	1.36	1.46	1.60	1.72	1.87	2.07	2.31	2.59	2.89	3.20	3.49	3.76	3.95	4.07	4.12	4.08
-50	1.04	1.18	1.28	1.37	1.52	1.76	2.09	2.48	3.01	3.67	4.43	5.24	6.09	6.93	7.72	8.36	8.78	8.97	8.91
-40	1.04	1.18	1.27	1.39	1.61	2.01	2.62	3.47	4.54	5.86	7.38	9.12	11.1	13.4	15.7	17.8	19.4	20.1	19.9
-30	1.04	1.18	1.27	1.41	1.73	2.32	3.28	4.65	6.48	8.68	11.5	15.3	20.7	28.0	36.8	46.8	55.4	60.2	59.1
-20	1.04	1.18	1.25	1.42	1.84	2.63	3.92	5.81	8.34	11.7	16.8	25.4	39.7	63.4	102	158	223	270	261
-10	1.04	1.17	1.24	1.42	1.90	2.84	4.39	6.66	9.81	14.5	22.5	37.6	68.0	132	267	547	1015	1468	1469
0	1.04	1.16	1.21	1.39	1.89	2.87	4.52	6.95	10.4	15.8	25.2	44.9	85.7	184	422	1005	2083	3164	3255
10	1.04	1.16	1.21	1.37	1.83	2.76	4.31	6.61	9.85	14.6	22.5	37.3	67.9	135	276	569	1065	1522	1570
20	1.04	1.16	1.20	1.33	1.70	2.46	3.75	5.68	8.33	11.9	17.1	25.5	39.4	64.3	107	169	240	295	298
30	1.04	1.15	1.19	1.28	1.53	2.07	3.00	4.40	6.30	8.70	11.7	15.6	21.0	28.3	37.5	48.2	58.4	64.7	64.7
40	1.04	1.14	1.19	1.23	1.37	1.69	2.24	3.08	4.23	5.66	7.35	9.28	11.3	13.5	15.7	17.9	19.5	20.3	20.1
50	1.04	1.13	1.17	1.20	1.26	1.40	1.65	2.06	2.61	3.31	4.12	5.00	5.87	6.69	7.41	8.01	8.43	8.62	8.54
60	1.04	1.11	1.16	1.18	1.20	1.24	1.31	1.44	1.63	1.87	2.15	2.46	2.76	3.04	3.29	3.47	3.58	3.60	3.54
70	1.04	1.09	1.13	1.16	1.18	1.18	1.19	1.21	1.23	1.27	1.32	1.38	1.44	1.50	1.54	1.58	1.60	1.60	1.58
80	1.04	1.07	1.09	1.11	1.13	1.15	1.15	1.16	1.16	1.16	1.17	1.17	1.18	1.19	1.19	1.19	1.19	1.19	1.19
90	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.02	1.02	1.02	1.01	1.00	1.00	0.99	0.98	0.97	0.96	0.95	0.94
100	1.04	1.00	0.96	0.92	0.89	0.86	0.82	0.77	0.73	0.70	0.66	0.62	0.59	0.57	0.54	0.52	0.50	0.49	0.47
110	1.04	0.96	0.89	0.82	0.73	0.65	0.57	0.49	0.43	0.38	0.34	0.32	0.30	0.29	0.28	0.27	0.27	0.26	0.26
120	1.04	0.93	0.82	0.70	0.57	0.47	0.38	0.32	0.28	0.26	0.26	0.27	0.27	0.29	0.30	0.32	0.33	0.35	0.36
130	1.04	0.90	0.75	0.59	0.44	0.35	0.29	0.26	0.26	0.28	0.31	0.36	0.42	0.49	0.58	0.67	0.75	0.82	0.85
140	1.04	0.87	0.69	0.50	0.36	0.29	0.26	0.27	0.31	0.38	0.48	0.64	0.87	1.16	1.49	1.81	2.10	2.31	2.41
150	1.04	0.85	0.63	0.43	0.31	0.26	0.27	0.31	0.40	0.56	0.84	1.27	1.84	2.47	3.07	3.54	3.86	4.07	4.16
160	1.04	0.84	0.60	0.39	0.28	0.26	0.29	0.37	0.52	0.83	1.37	2.13	2.98	3.72	4.25	4.58	4.77	4.88	4.94
170	1.04	0.83	0.57	0.37	0.27	0.27	0.31	0.42	0.64	1.09	1.85	2.81	3.71	4.36	4.75	4.98	5.10	5.09	5.03
180	1.04	0.82	0.57	0.36	0.27	0.27	0.32	0.44	0.69	1.19	2.03	3.05	3.94	4.54	4.90	5.11	5.13	4.95	4.73

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.5524A P:118.3W PF:0.9705 Lamp Flux:5381.12x1 lm		
NAME: L0228-120W-18-RGBW(W=4000K)-BCQ15D+5D-XML	ALTYPE: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	4.67	4.94	5.21	5.32	5.38	5.36	5.00	4.12	3.01	2.11	1.50	1.10	0.88	0.84	0.95	1.13	1.28	1.35
-170	5.05	5.16	5.29	5.37	5.42	5.33	4.83	3.89	2.83	2.00	1.45	1.07	0.87	0.84	0.96	1.14	1.28	1.35
-160	5.36	5.39	5.42	5.43	5.33	4.93	4.17	3.22	2.37	1.73	1.29	1.00	0.85	0.86	0.98	1.15	1.28	1.35
-150	5.33	5.28	5.14	4.86	4.40	3.75	3.01	2.34	1.80	1.39	1.09	0.90	0.84	0.89	1.02	1.18	1.29	1.35
-140	3.72	3.61	3.39	3.07	2.69	2.29	1.92	1.58	1.30	1.08	0.92	0.85	0.86	0.95	1.08	1.21	1.30	1.35
-130	1.88	1.84	1.76	1.64	1.51	1.36	1.21	1.07	0.96	0.88	0.85	0.86	0.93	1.03	1.15	1.24	1.31	1.35
-120	1.04	1.03	1.01	0.98	0.94	0.91	0.88	0.86	0.86	0.88	0.92	0.98	1.06	1.14	1.21	1.28	1.32	1.35
-110	0.90	0.90	0.90	0.91	0.92	0.93	0.95	0.98	1.01	1.05	1.10	1.15	1.19	1.23	1.27	1.31	1.33	1.35
-100	1.20	1.20	1.19	1.20	1.20	1.21	1.22	1.23	1.24	1.26	1.27	1.28	1.29	1.31	1.32	1.33	1.34	1.35
-90	1.37	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
-80	1.54	1.54	1.53	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.41	1.40	1.38	1.37	1.35	1.35	1.35
-70	2.00	1.95	1.90	1.83	1.77	1.71	1.65	1.61	1.57	1.54	1.51	1.48	1.45	1.43	1.41	1.38	1.35	1.35
-60	3.95	3.75	3.49	3.19	2.89	2.59	2.30	2.05	1.86	1.72	1.61	1.54	1.50	1.47	1.44	1.40	1.36	1.35
-50	8.57	8.01	7.28	6.46	5.62	4.76	3.96	3.25	2.68	2.22	1.89	1.68	1.56	1.50	1.46	1.42	1.38	1.35
-40	18.9	17.2	15.1	12.7	10.5	8.53	6.83	5.37	4.13	3.14	2.42	1.95	1.67	1.54	1.48	1.44	1.39	1.35
-30	54.1	45.4	35.7	27.1	20.0	14.7	11.0	8.26	6.10	4.39	3.16	2.34	1.84	1.59	1.50	1.45	1.39	1.35
-20	220	155	101	63.2	40.2	25.7	16.8	11.6	8.18	5.73	3.95	2.74	2.01	1.65	1.51	1.45	1.40	1.35
-10	1061	569	278	138	71.6	39.8	23.5	14.8	9.88	6.73	4.54	3.05	2.15	1.69	1.52	1.46	1.40	1.35
0	2237	1096	447	191	89.9	46.5	26.4	16.2	10.5	7.07	4.73	3.15	2.20	1.70	1.52	1.46	1.40	1.35
10	1112	606	288	138	70.0	38.6	23.1	14.6	9.72	6.56	4.40	2.95	2.07	1.63	1.48	1.43	1.39	1.35
20	244	168	107	64.5	39.9	25.2	16.6	11.3	7.83	5.41	3.69	2.54	1.85	1.53	1.43	1.40	1.37	1.35
30	57.9	47.1	36.4	27.2	20.0	14.7	10.8	7.93	5.67	3.96	2.80	2.05	1.61	1.42	1.38	1.38	1.35	1.35
40	19.0	17.1	14.8	12.5	10.3	8.33	6.55	5.01	3.74	2.74	2.02	1.59	1.39	1.33	1.34	1.34	1.33	1.35
50	8.19	7.62	6.87	6.06	5.23	4.38	3.58	2.87	2.28	1.82	1.50	1.30	1.25	1.27	1.30	1.31	1.31	1.35
60	3.43	3.25	3.01	2.73	2.44	2.16	1.89	1.65	1.46	1.32	1.24	1.19	1.18	1.22	1.25	1.27	1.28	1.35
70	1.56	1.52	1.47	1.41	1.36	1.31	1.26	1.22	1.20	1.18	1.17	1.16	1.13	1.15	1.18	1.22	1.26	1.35
80	1.19	1.19	1.19	1.18	1.18	1.17	1.15	1.14	1.12	1.10	1.08	1.06	1.03	1.04	1.09	1.16	1.25	1.35
90	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.85	0.90	1.01	1.13	1.24	1.35
100	0.47	0.46	0.46	0.47	0.47	0.48	0.49	0.50	0.52	0.55	0.57	0.60	0.64	0.76	0.93	1.08	1.23	1.35
110	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.29	0.32	0.35	0.39	0.45	0.63	0.85	1.05	1.22	1.35
120	0.36	0.35	0.34	0.33	0.31	0.30	0.28	0.27	0.26	0.26	0.26	0.28	0.34	0.55	0.79	1.01	1.21	1.35
130	0.87	0.85	0.79	0.71	0.62	0.53	0.45	0.39	0.33	0.29	0.26	0.26	0.35	0.53	0.76	1.00	1.21	1.35
140	2.43	2.34	2.15	1.87	1.55	1.22	0.92	0.68	0.51	0.39	0.31	0.32	0.41	0.55	0.76	1.00	1.21	1.35
150	4.16	4.07	3.87	3.54	3.08	2.49	1.85	1.28	0.85	0.57	0.50	0.48	0.50	0.60	0.78	1.01	1.22	1.35
160	4.92	4.86	4.74	4.53	4.18	3.64	2.90	2.08	1.49	1.07	0.82	0.68	0.62	0.67	0.82	1.04	1.23	1.35
170	4.99	5.02	5.00	4.88	4.71	4.51	4.04	3.24	2.34	1.64	1.19	0.90	0.75	0.75	0.88	1.08	1.25	1.35
180	4.67	4.94	5.21	5.32	5.38	5.36	5.00	4.12	3.01	2.11	1.50	1.10	0.88	0.84	0.95	1.13	1.28	1.35

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: