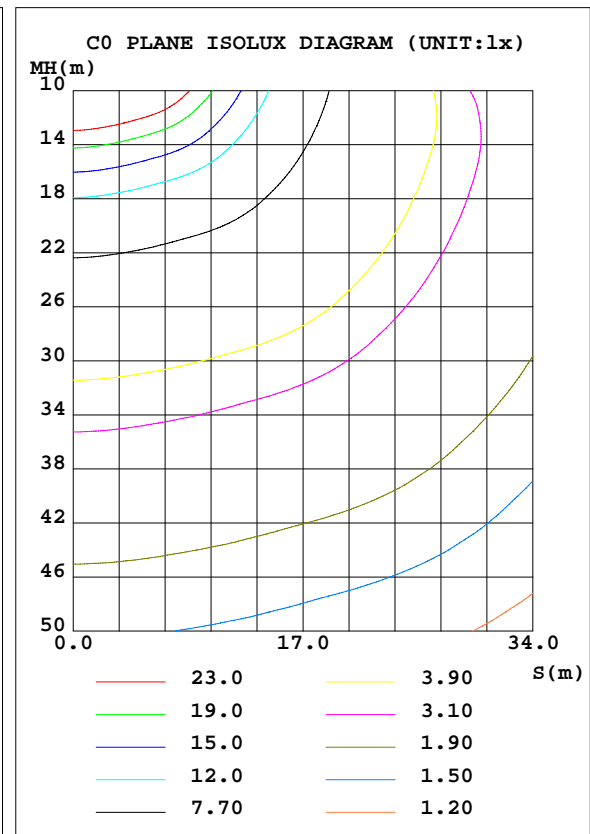
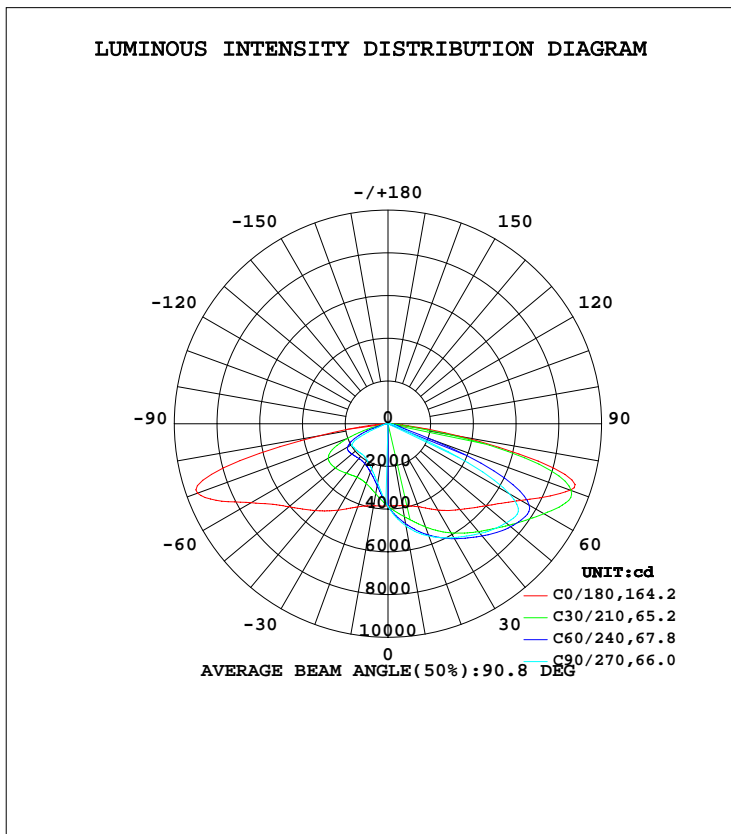


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.10 lm/W			
MODEL	KA1008L/100/120/150)W50KT3PAD	Imax(cd)	11554	S/MH(C0/180)	2.06
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	23130	η UP, DN(C0-180)	0.0,69.5
NOMINAL FLUX(lm)	23129.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,30.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	389.3	461.2	486.0	462.7	390.2	310.6	281.6	310.4	0- 10	368.4	368.4	1.59,1.59
20	413.4	540.9	559.2	539.0	414.7	262.3	225.3	259.9	10- 20	1116	1484	6.42,6.42
30	466.5	614.6	615.6	611.2	467.2	243.1	197.0	236.0	20- 30	1926	3410	14.7,14.7
40	524.4	683.5	670.8	682.8	530.4	245.0	187.4	232.6	30- 40	2823	6233	26.9,26.9
50	597.4	755.5	722.5	761.1	604.7	255.9	192.3	242.0	40- 50	3809	10042	43.4,43.4
60	718.2	818.4	656.6	830.4	740.0	249.2	195.2	239.6	50- 60	4823	14865	64.3,64.3
70	908.9	622.3	58.81	663.3	949.0	146.7	48.34	156.0	60- 70	4948	19813	85.7,85.7
80	347.0	48.86	19.78	42.71	322.7	27.22	18.05	27.84	70- 80	2906	22719	98.2,98.2
90	0.5235	2.184	0.4944	0.2192	0.5118	0.3507	0.1050	0.3846	80- 90	385.1	23104	99.9,99.9
100	0.3010	0.0941	0.0669	0.1343	0.6119	0.5509	0.2993	0.6257	90-100	3.684	23108	99.9,99.9
110	0.3479	0.1187	0.0910	0.1982	0.5616	0.6064	0.4636	0.6512	100-110	3.874	23111	99.9,99.9
120	0.4420	0.1530	0.1180	0.2390	0.5566	0.6295	0.5194	0.6188	110-120	3.846	23115	99.9,99.9
130	0.4897	0.1923	0.1460	0.2724	0.5885	0.6741	0.6398	0.6236	120-130	3.883	23119	100,100
140	0.4131	0.2360	0.1928	0.2990	0.5247	0.7006	0.6796	0.6565	130-140	3.611	23123	100,100
150	0.3463	0.2705	0.2371	0.3177	0.4896	0.6099	0.6646	0.6202	140-150	2.863	23126	100,100
160	0.3844	0.3378	0.2988	0.3899	0.5074	0.5573	0.5927	0.5662	150-160	2.092	23128	100,100
170	0.4244	0.4236	0.3993	0.4430	0.5184	0.5122	0.4942	0.4693	160-170	1.322	23129	100,100
180	0.5087	0.4876	0.4514	0.4500	0.5058	0.4985	0.4572	0.4486	170-180	0.4490	23130	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 8009.4 lm

%lum = 34.6%

%lamp = 34.6%

Conical surface Flux(120deg): 14865 lm

%lum = 64.3%

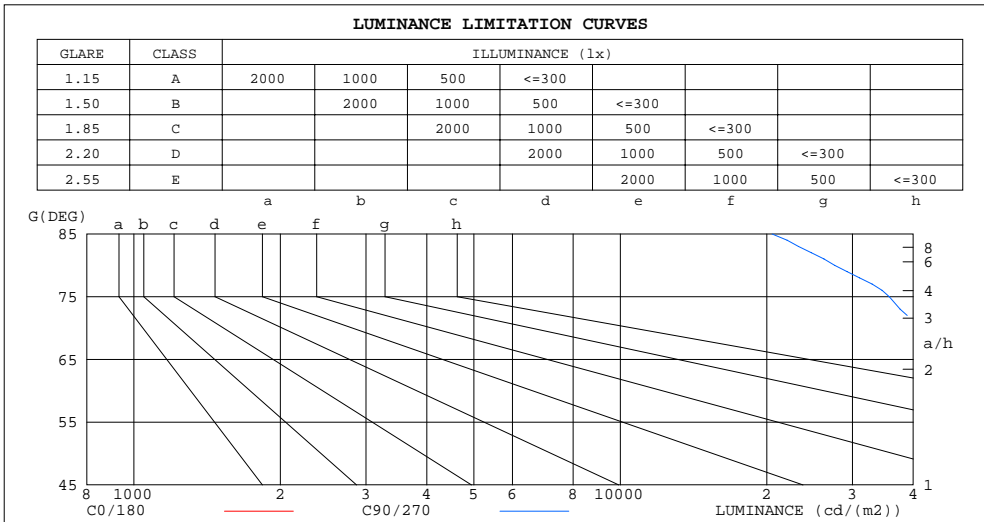
%lamp = 64.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	190801	20504
80	483828	27586
75	751165	35719
70	643447	41637
65	464763	178711
60	347801	317947
55	274024	311718
50	225044	272141
45	191037	239366

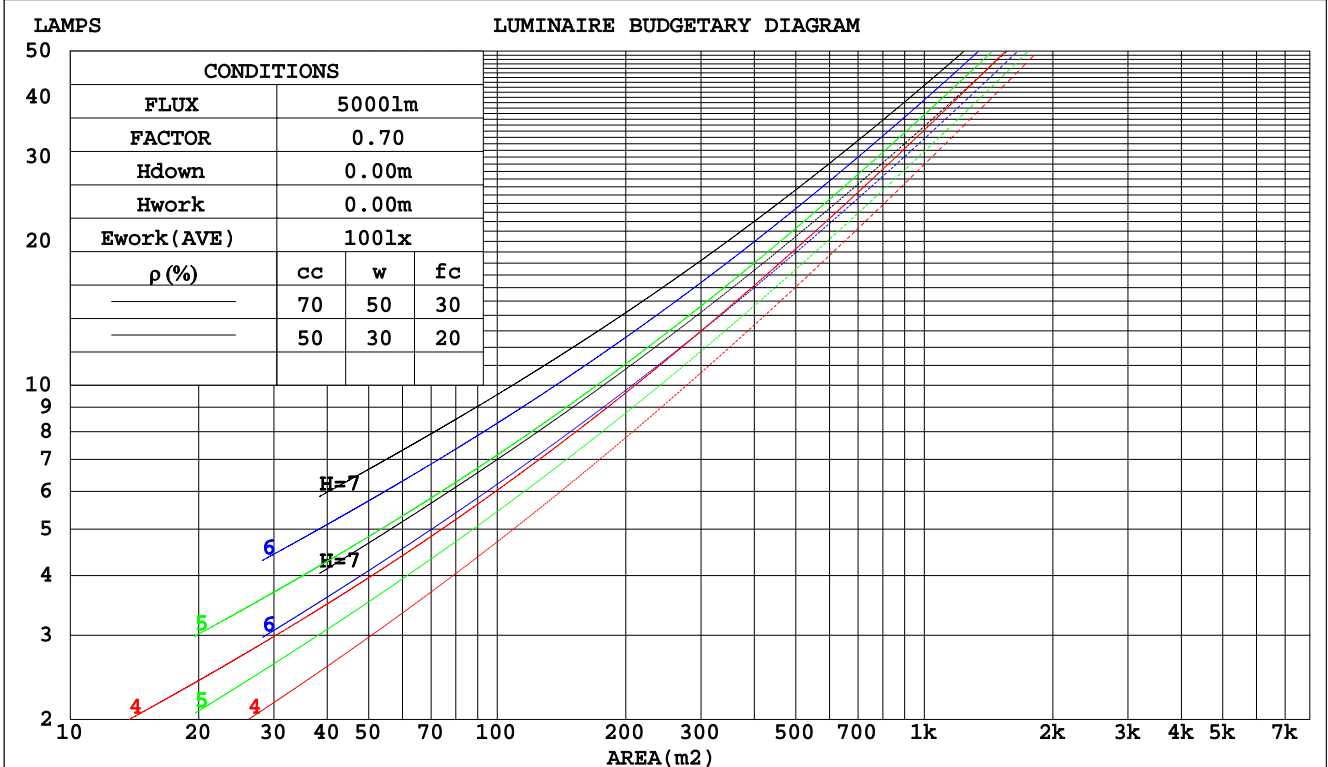
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd	Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.01	.96	.91	.98	.94	.90	.94	.90	.87	.90	.87	.84	.86	.84	.81	.79
2.0	.85	.76	.70	.83	.75	.69	.79	.73	.67	.75	.70	.65	.72	.68	.64	.61
3.0	.72	.62	.54	.70	.61	.54	.67	.59	.53	.64	.57	.52	.61	.56	.51	.48
4.0	.62	.52	.44	.60	.51	.43	.58	.49	.43	.55	.48	.42	.53	.47	.41	.39
5.0	.54	.44	.36	.53	.43	.36	.50	.42	.35	.48	.41	.35	.46	.40	.34	.32
6.0	.48	.37	.30	.47	.37	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.27
7.0	.43	.33	.26	.42	.32	.26	.40	.32	.25	.38	.31	.25	.37	.30	.25	.23
8.0	.38	.29	.22	.38	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.19
9.0	.35	.26	.20	.34	.25	.19	.33	.25	.19	.32	.24	.19	.31	.24	.19	.17
10.0	.32	.23	.17	.31	.23	.17	.30	.22	.17	.29	.22	.17	.28	.22	.17	.15



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

WEC AND CCEC

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd	Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.369	.210	.066	.361	.206	.065	.348	.199	.064	.335	.193	.062	.324	.188	.060	
2.0	.347	.190	.058	.341	.188	.058	.329	.183	.057	.317	.178	.056	.307	.174	.055	
3.0	.318	.169	.051	.312	.167	.050	.301	.163	.050	.291	.159	.049	.281	.156	.048	
4.0	.289	.150	.044	.284	.149	.044	.274	.146	.043	.265	.142	.043	.257	.140	.043	
5.0	.264	.135	.039	.259	.133	.039	.251	.131	.038	.243	.128	.038	.235	.126	.038	
6.0	.242	.121	.035	.238	.120	.035	.230	.118	.034	.223	.116	.034	.216	.114	.034	
7.0	.223	.110	.031	.219	.109	.031	.212	.107	.031	.206	.105	.031	.199	.104	.030	
8.0	.206	.101	.028	.203	.100	.028	.196	.098	.028	.191	.097	.028	.185	.095	.028	
9.0	.191	.093	.026	.188	.092	.026	.183	.090	.026	.178	.089	.025	.173	.088	.025	
10.0	.179	.086	.024	.176	.085	.024	.171	.084	.024	.166	.083	.023	.162	.081	.023	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.185	.156	.131	.158	.134	.112	.108	.092	.078	.062	.053	.045	.020	.017	.015	
2.0	.181	.132	.092	.155	.114	.080	.106	.079	.056	.061	.046	.033	.020	.015	.011	
3.0	.175	.115	.068	.150	.100	.059	.103	.069	.042	.059	.040	.025	.019	.013	.008	
4.0	.168	.103	.053	.144	.089	.046	.099	.062	.033	.057	.036	.019	.018	.012	.006	
5.0	.160	.093	.043	.138	.080	.037	.095	.056	.026	.055	.033	.016	.018	.011	.005	
6.0	.153	.085	.036	.131	.073	.031	.091	.051	.022	.053	.030	.013	.017	.010	.004	
7.0	.145	.078	.031	.125	.068	.027	.086	.047	.019	.050	.028	.011	.016	.009	.004	
8.0	.138	.072	.027	.119	.063	.024	.082	.044	.017	.048	.026	.010	.015	.009	.003	
9.0	.131	.067	.024	.113	.058	.021	.078	.041	.015	.046	.024	.009	.015	.008	.003	
10.0	.125	.063	.022	.108	.055	.019	.075	.038	.013	.044	.023	.008	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm										
NAME: HAND10 AREA Light					TYPE: LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd					Shielding Angle:					
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	34.9	36.8	35.3	37.1	37.4	34.4	36.3	34.8	36.6	36.9
3H	39.7	41.4	40.0	41.7	42.0	34.4	36.1	34.8	36.4	36.8
4H	41.8	43.4	42.2	43.8	44.2	34.4	36.0	34.8	36.3	36.7
6H	42.8	44.3	43.2	44.7	45.1	34.3	35.8	34.7	36.2	36.6
8H	42.9	44.4	43.4	44.8	45.2	34.3	35.8	34.7	36.2	36.6
12H	43.0	44.3	43.4	44.7	45.2	34.3	35.7	34.7	36.1	36.5
4H 2H	36.1	37.7	36.5	38.0	38.4	35.8	37.4	36.2	37.8	38.2
3H	40.8	42.2	41.2	42.6	43.0	36.0	37.3	36.4	37.7	38.1
4H	43.1	44.4	43.5	44.8	45.2	35.9	37.2	36.4	37.6	38.0
6H	44.3	45.4	44.7	45.8	46.3	35.9	37.0	36.4	37.5	37.9
8H	44.4	45.5	44.9	45.9	46.4	35.9	36.9	36.4	37.4	37.8
12H	44.5	45.4	45.0	45.9	46.4	35.9	36.8	36.4	37.3	37.8
8H 4H	43.2	44.2	43.6	44.6	45.1	37.1	38.2	37.6	38.6	39.1
6H	44.4	45.3	44.9	45.8	46.2	37.1	38.0	37.6	38.5	38.9
8H	44.6	45.4	45.1	45.9	46.4	37.1	37.9	37.6	38.4	38.9
12H	44.7	45.4	45.2	45.9	46.4	37.1	37.8	37.6	38.3	38.8
12H 4H	43.2	44.1	43.6	44.6	45.0	37.4	38.3	37.9	38.8	39.3
6H	44.4	45.2	44.9	45.6	46.2	37.4	38.1	37.9	38.6	39.1
8H	44.6	45.3	45.1	45.8	46.3	37.4	38.0	37.9	38.5	39.1
CIE190: 2010										

CIE190: 2010  
Area: 0.0413 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 12 January 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 43.6%  
Test Distance: 2.500m [K=1.0455]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

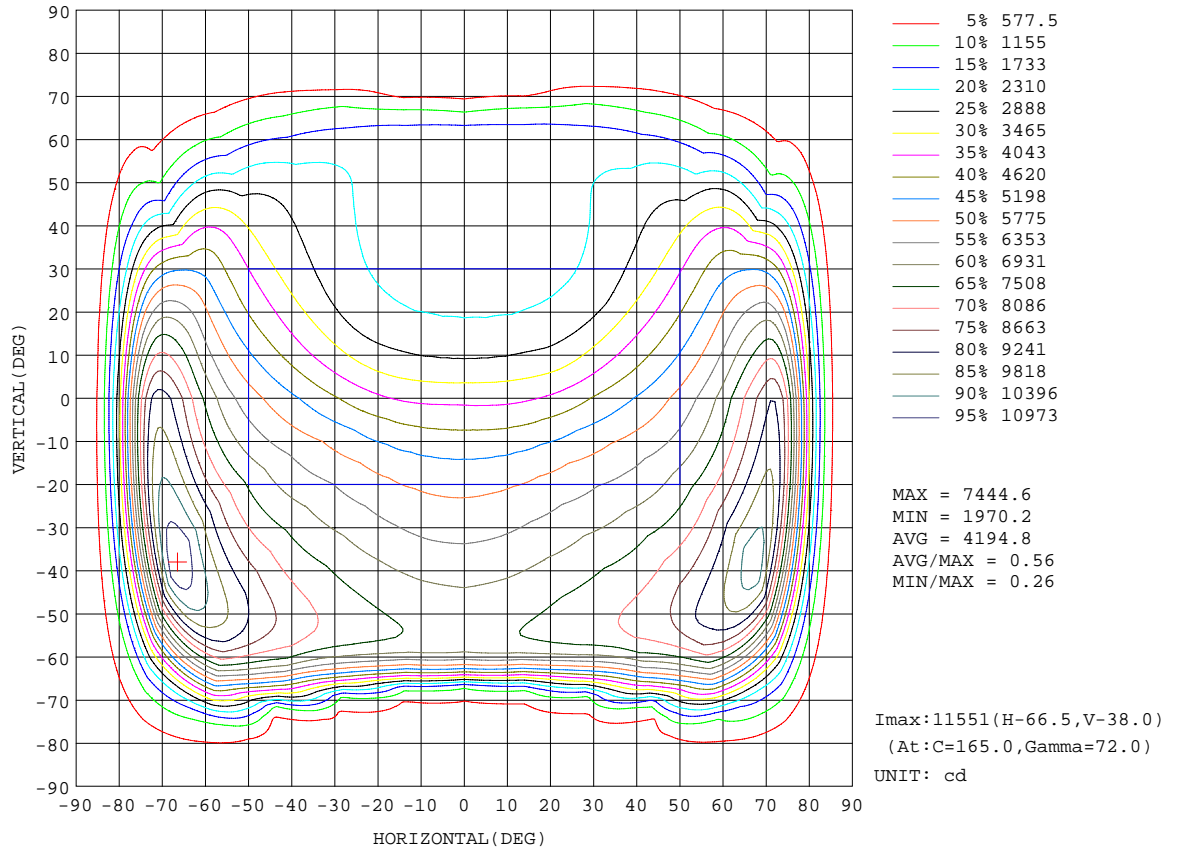
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	34	26	47	34	26	46	34	26	19
0.80	58	44	35	56	43	35	54	43	35	26
1.00	66	53	44	65	52	44	62	54	43	35
1.25	74	61	53	73	61	52	70	59	51	43
1.50	80	68	59	78	67	59	75	65	58	49
2.00	89	78	70	87	77	69	83	74	68	59
2.50	94	84	77	91	83	76	87	80	74	64
3.00	98	90	83	96	88	82	91	85	79	70
4.00	103	96	91	101	94	89	96	91	87	77
5.00	106	101	96	104	99	94	99	95	91	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

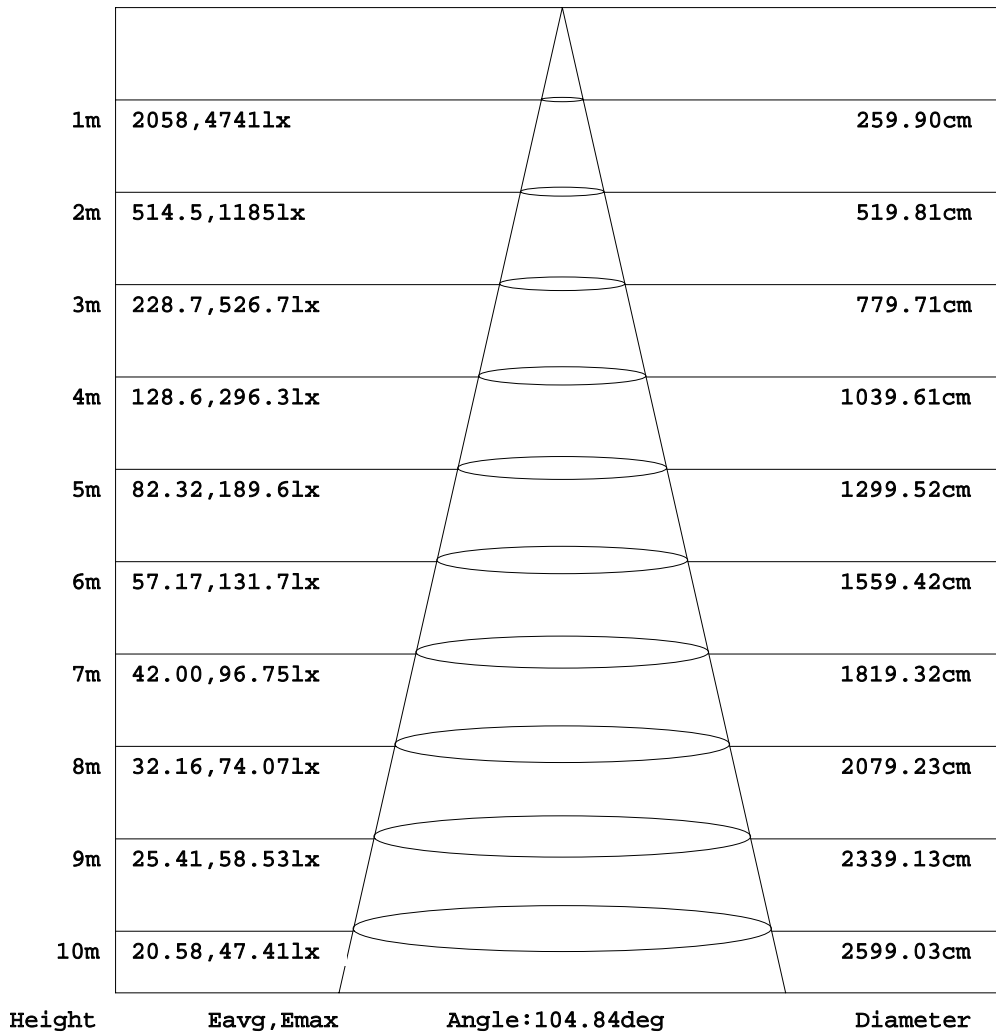
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:



AAI Figure

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

Flux out:11386 lm



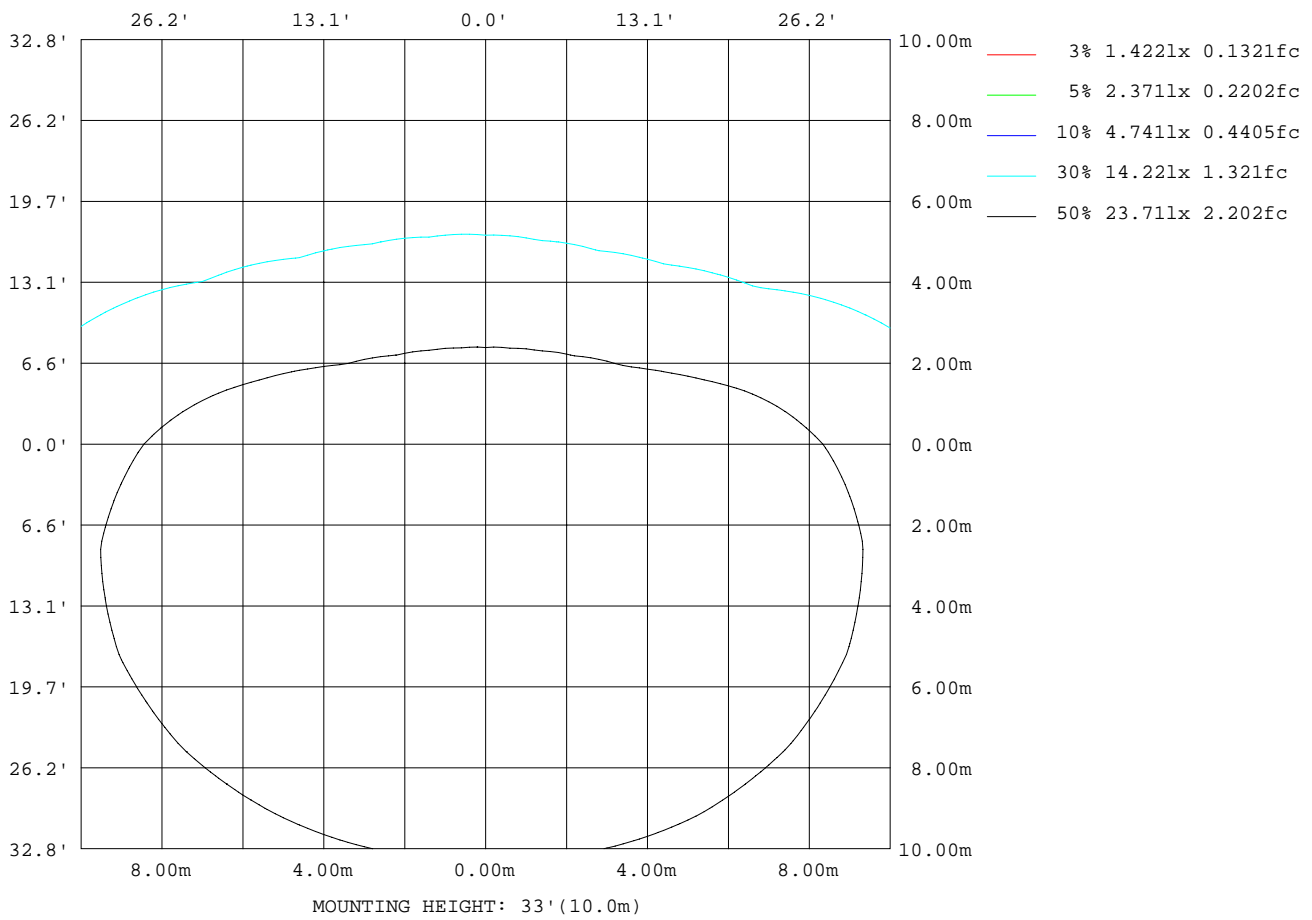
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

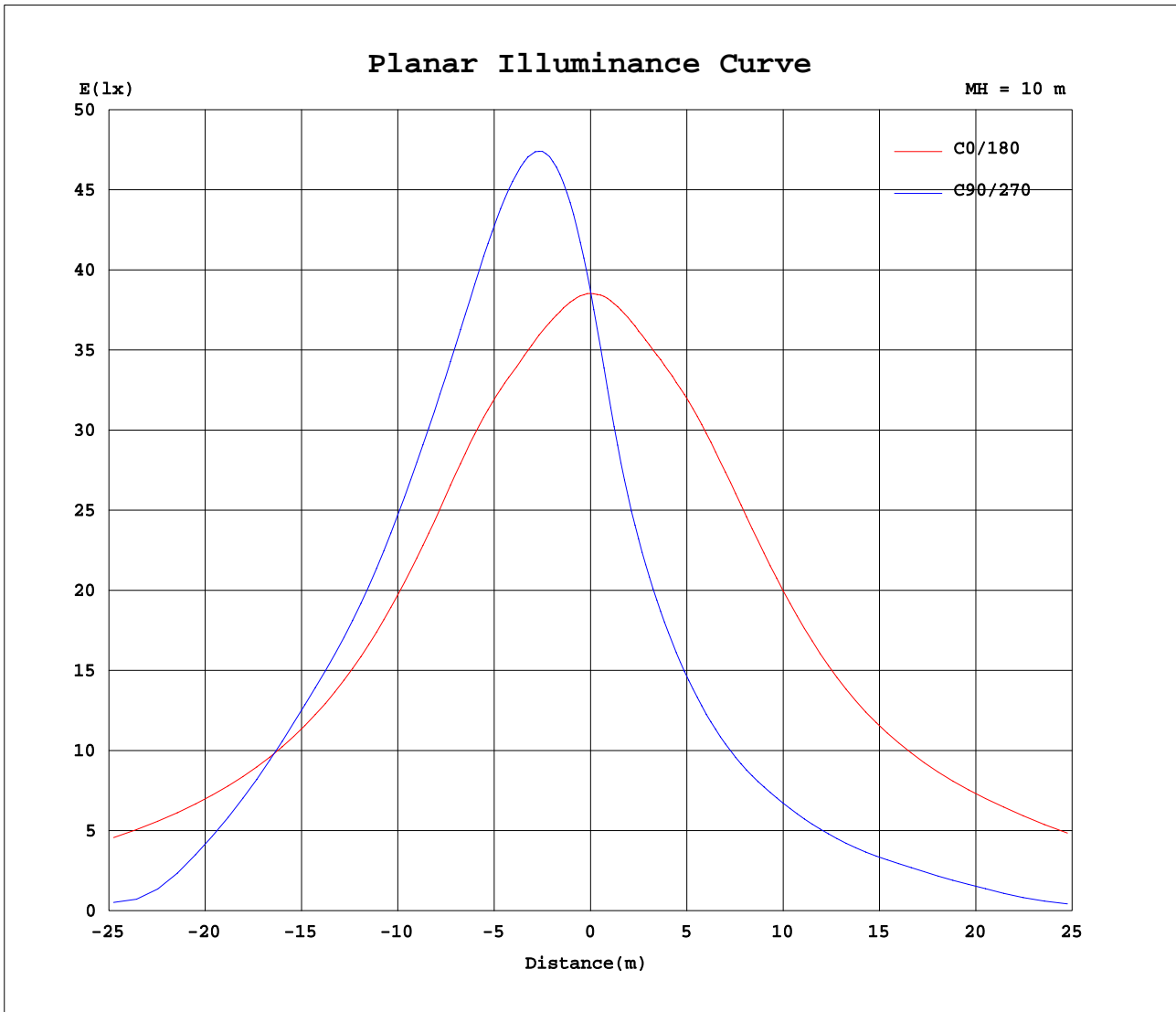
AvgL	cd/m2
L_0~180(65)av	478225
L_0~180(75)av	748173
L_0~180(85)av	178589
L_90~270(65)av	130754
L_90~270(75)av	30873
L_90~270(85)av	17578
L_45(65)av	292227
L_45(75)av	153947
L_45(85)av	44175

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

Table--1

UNIT: x10cd

C( DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	385	386	386	386	386	386	387	387	387	387	387	387	385	386	386	386	386	386	387
5	386	400	413	424	432	438	440	438	433	426	415	402	387	372	359	347	338	332	330
10	389	417	441	461	475	484	486	484	476	463	444	420	390	361	333	311	294	285	282
15	399	441	475	501	517	524	526	524	516	501	477	443	399	353	312	282	263	252	248
20	413	471	514	541	554	559	559	557	551	539	514	473	415	352	298	262	241	229	225
25	437	506	553	579	589	590	589	587	585	576	553	509	438	358	291	250	226	213	208
30	466	541	590	615	621	619	616	615	616	611	592	546	467	371	290	243	216	202	197
35	496	574	625	649	653	647	642	643	647	647	629	583	498	389	295	242	212	196	189
40	524	609	659	684	686	677	671	673	681	683	666	619	530	411	303	245	213	195	187
45	558	644	696	720	720	706	699	704	715	722	707	660	565	433	313	251	216	197	190
50	597	687	739	756	750	732	722	730	746	761	753	709	605	456	322	256	221	201	192
55	649	744	788	787	773	750	738	748	770	799	810	772	658	480	327	259	225	203	195
60	718	821	843	818	763	690	657	687	761	830	876	865	740	508	323	249	218	199	195
65	811	927	901	797	602	395	312	411	619	819	944	998	858	518	288	211	183	163	145
70	909	1052	912	622	226	75.0	58.8	80.5	255	663	959	1139	949	411	204	147	122	63.3	48.3
75	803	1000	731	225	59.9	41.8	38.2	41.3	53.2	278	757	1007	797	207	101	74.0	42.4	27.3	27.8
80	347	505	284	48.9	35.0	21.4	19.8	22.0	36.5	42.7	314	453	323	66.0	27.2	27.2	18.7	18.1	18.0
85	68.7	88.9	51.9	22.6	11.1	7.72	7.38	8.12	13.3	25.9	54.6	85.7	59.9	8.21	6.79	7.74	7.00	6.07	5.27
90	0.52	4.99	0.24	2.18	0.72	0.55	0.49	0.59	0.90	0.22	0.33	4.63	0.51	0.57	0.50	0.35	0.20	0.12	0.11
95	0.28	0.22	0.13	0.08	0.06	0.05	0.05	0.06	0.07	0.10	0.17	0.23	0.59	0.64	0.58	0.46	0.31	0.22	0.19
100	0.30	0.26	0.16	0.09	0.08	0.07	0.07	0.07	0.09	0.13	0.22	0.27	0.61	0.64	0.63	0.55	0.43	0.33	0.30
105	0.32	0.28	0.18	0.11	0.09	0.08	0.08	0.09	0.11	0.17	0.26	0.32	0.59	0.60	0.63	0.61	0.52	0.43	0.40
110	0.35	0.30	0.19	0.12	0.10	0.09	0.09	0.10	0.13	0.20	0.29	0.35	0.56	0.56	0.60	0.61	0.54	0.48	0.46
115	0.39	0.33	0.20	0.13	0.11	0.10	0.10	0.12	0.15	0.22	0.31	0.39	0.54	0.54	0.59	0.61	0.55	0.49	0.48
120	0.44	0.35	0.23	0.15	0.13	0.12	0.12	0.14	0.18	0.24	0.32	0.42	0.56	0.57	0.60	0.63	0.57	0.53	0.52
125	0.49	0.38	0.24	0.18	0.15	0.13	0.13	0.16	0.20	0.26	0.34	0.44	0.58	0.62	0.62	0.66	0.62	0.59	0.58
130	0.49	0.37	0.26	0.19	0.17	0.15	0.15	0.17	0.22	0.27	0.35	0.44	0.59	0.65	0.68	0.67	0.67	0.65	0.64
135	0.46	0.36	0.27	0.21	0.19	0.17	0.17	0.20	0.24	0.29	0.35	0.43	0.57	0.64	0.69	0.70	0.68	0.68	0.69
140	0.41	0.35	0.28	0.24	0.21	0.19	0.19	0.22	0.26	0.30	0.34	0.40	0.52	0.59	0.64	0.70	0.69	0.68	0.68
145	0.37	0.34	0.29	0.25	0.23	0.22	0.21	0.23	0.28	0.30	0.33	0.37	0.50	0.55	0.59	0.65	0.68	0.69	0.69
150	0.35	0.33	0.31	0.27	0.24	0.23	0.24	0.26	0.30	0.32	0.33	0.35	0.49	0.51	0.55	0.61	0.63	0.67	0.66
155	0.36	0.36	0.34	0.30	0.28	0.27	0.27	0.30	0.34	0.35	0.37	0.37	0.49	0.50	0.54	0.57	0.60	0.63	0.63
160	0.38	0.38	0.37	0.34	0.31	0.31	0.30	0.34	0.38	0.39	0.39	0.39	0.51	0.51	0.52	0.56	0.57	0.59	0.59
165	0.40	0.41	0.40	0.39	0.36	0.36	0.36	0.39	0.44	0.43	0.42	0.41	0.51	0.51	0.51	0.52	0.54	0.55	0.55
170	0.42	0.43	0.43	0.42	0.39	0.39	0.40	0.42	0.46	0.44	0.43	0.43	0.52	0.52	0.52	0.51	0.51	0.51	0.49
175	0.47	0.48	0.47	0.46	0.43	0.43	0.44	0.43	0.48	0.48	0.47	0.47	0.52	0.52	0.52	0.51	0.50	0.49	0.47
180	0.51	0.51	0.50	0.49	0.47	0.46	0.45	0.43	0.44	0.45	0.45	0.46	0.51	0.50	0.51	0.50	0.49	0.47	0.46

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:1.2361A P:148.17W PF:0.9989 Freq:60.00Hz Lamp Flux:23129.6x1 lm		
NAME: HAND10 AREA Light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Shenzhen XinShengYang Opto-electronics Technology Co., Ltd		Shielding Angle:

Table--2

UNIT: x10cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	387	387	387	387	387														
5	332	338	347	359	372														
10	285	294	310	333	361														
15	251	262	282	313	353														
20	228	239	260	296	350														
25	211	222	245	286	354														
30	199	210	236	282	368														
35	192	204	232	284	388														
40	191	203	233	291	409														
45	194	207	237	300	431														
50	199	212	242	309	455														
55	202	218	246	316	482														
60	197	213	240	312	508														
65	166	187	213	279	511														
70	72.2	130	156	207	425														
75	27.2	51.6	81.0	110	233														
80	18.1	20.1	27.8	29.0	80.2														
85	7.00	7.50	7.32	6.83	11.2														
90	0.13	0.22	0.38	0.54	0.59														
95	0.23	0.34	0.52	0.65	0.67														
100	0.34	0.46	0.63	0.72	0.69														
105	0.45	0.55	0.68	0.72	0.64														
110	0.50	0.57	0.65	0.68	0.59														
115	0.50	0.56	0.62	0.63	0.56														
120	0.53	0.57	0.62	0.63	0.60														
125	0.58	0.60	0.62	0.63	0.64														
130	0.63	0.64	0.62	0.66	0.69														
135	0.65	0.63	0.64	0.68	0.68														
140	0.65	0.65	0.66	0.64	0.63														
145	0.67	0.67	0.63	0.61	0.59														
150	0.65	0.62	0.62	0.59	0.57														
155	0.63	0.61	0.58	0.60	0.57														
160	0.59	0.59	0.57	0.59	0.58														
165	0.56	0.55	0.54	0.56	0.56														
170	0.51	0.51	0.47	0.52	0.54														
175	0.47	0.49	0.46	0.52	0.52														
180	0.45	0.44	0.45	0.46	0.46														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 12 January 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.6%  
 Test Distance: 2.500m [K=1.0455]  
 Remarks: