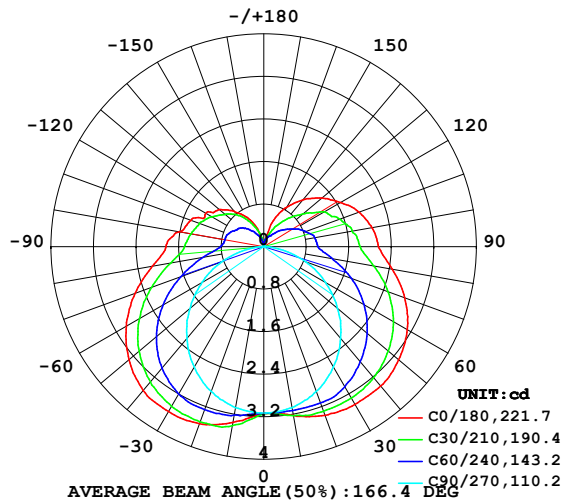


LUMINAIRE PHOTOMETRIC TEST REPORT

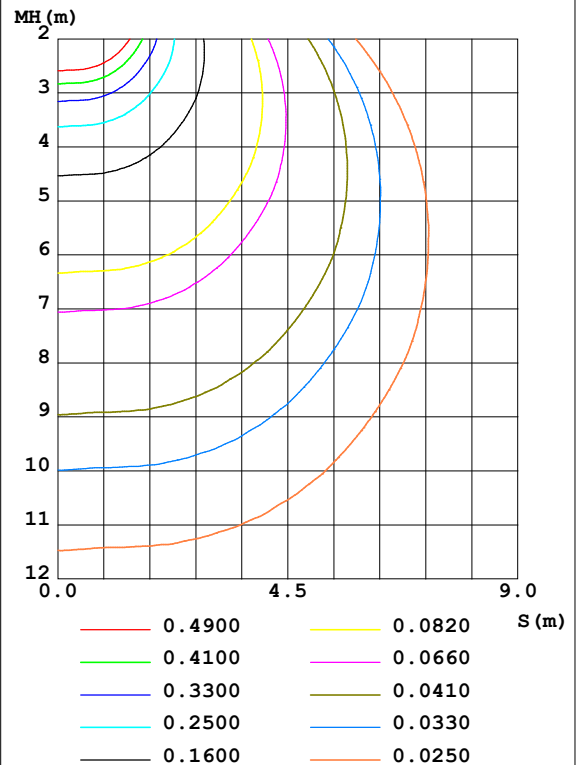
NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 8.88 lm/W
MODEL	LA181006004	Imax(cd)	3.587	S/MH(C0/180)	1.70	
NOMINAL POWER(W)	2.23	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	19.716	□ UP,DN(C0-180)	13.3,37.4	
NOMINAL FLUX(lm)	0.328593	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	12.3,37.0	
LAMPS INSIDE	60	□ up(%)	25.6	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	□ down(%)	74.4	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

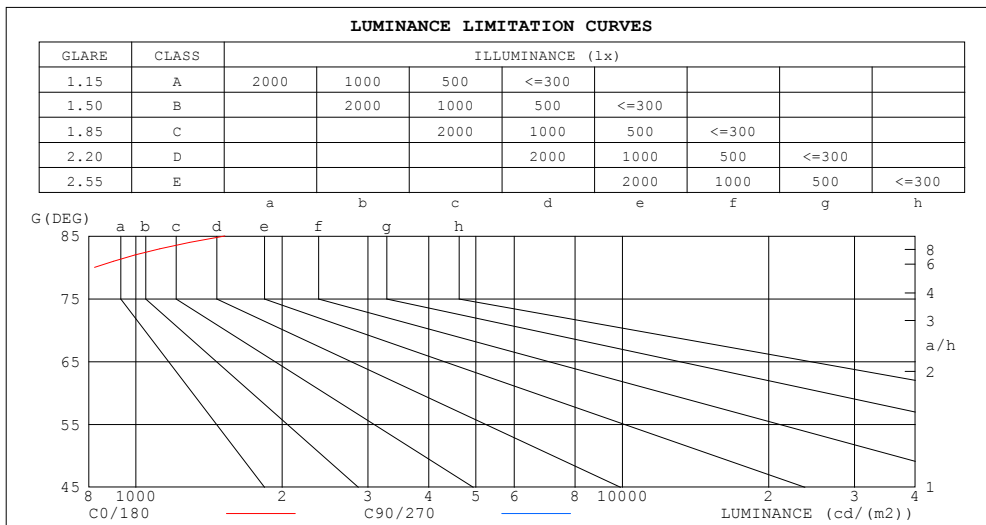
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	3.224	3.178	3.077	3.318	3.358	3.318	3.077	3.178	0- 10	0.3046	0.3046	1.55,1.55
20	3.378	3.209	2.898	3.381	3.542	3.381	2.898	3.209	10- 20	0.9221	1.227	6.22,6.22
30	3.425	3.170	2.617	3.334	3.581	3.334	2.617	3.170	20- 30	1.496	2.723	13.8,13.8
40	3.422	3.021	2.253	3.148	3.528	3.148	2.253	3.021	30- 40	1.952	4.676	23.7,23.7
50	3.312	2.803	1.813	2.847	3.310	2.847	1.813	2.803	40- 50	2.235	6.910	35,35
60	3.118	2.501	1.334	2.441	2.981	2.441	1.334	2.501	50- 60	2.306	9.216	46.7,46.7
70	2.822	2.126	0.8509	1.955	2.575	1.955	0.8509	2.126	60- 70	2.164	11.38	57.7,57.7
80	2.452	1.709	0.3283	1.467	2.128	1.467	0.3283	1.709	70- 80	1.834	13.21	67,67
90	2.159	1.422	0.0158	1.156	1.840	1.156	0.0158	1.422	80- 90	1.451	14.67	74.4,74.4
100	2.068	1.336	0.0158	1.068	1.622	1.068	0.0158	1.336	90-100	1.278	15.94	80.9,80.9
110	1.907	1.183	0.0158	0.9983	1.459	0.9983	0.0158	1.183	100-110	1.140	17.08	86.7,86.7
120	1.665	0.9988	0.0158	0.8727	1.260	0.8727	0.0158	0.9988	110-120	0.9437	18.03	91.4,91.4
130	1.424	0.7323	0.0158	0.7512	1.086	0.7512	0.0158	0.7323	120-130	0.7126	18.74	95.1,95.1
140	1.150	0.5143	0.0158	0.5978	0.8648	0.5978	0.0158	0.5143	130-140	0.4919	19.23	97.6,97.6
150	0.8530	0.3390	0.0158	0.4204	0.6429	0.4204	0.0158	0.3390	140-150	0.2924	19.53	99,99
160	0.5127	0.1938	0.0158	0.2470	0.3734	0.2470	0.0158	0.1938	150-160	0.1415	19.67	99.8,99.8
170	0.1246	0.1118	0.0158	0.0916	0.0740	0.0916	0.0158	0.1118	160-170	0.0437	19.71	100,100
180	0.0110	0.0149	0.0158	0.0120	0.0074	0.0120	0.0158	0.0149	170-180	0.0053	19.72	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1525	68
80	823	102
75	595	123
70	481	134
65	410	140
60	363	144
55	328	148
50	300	152
45	278	156

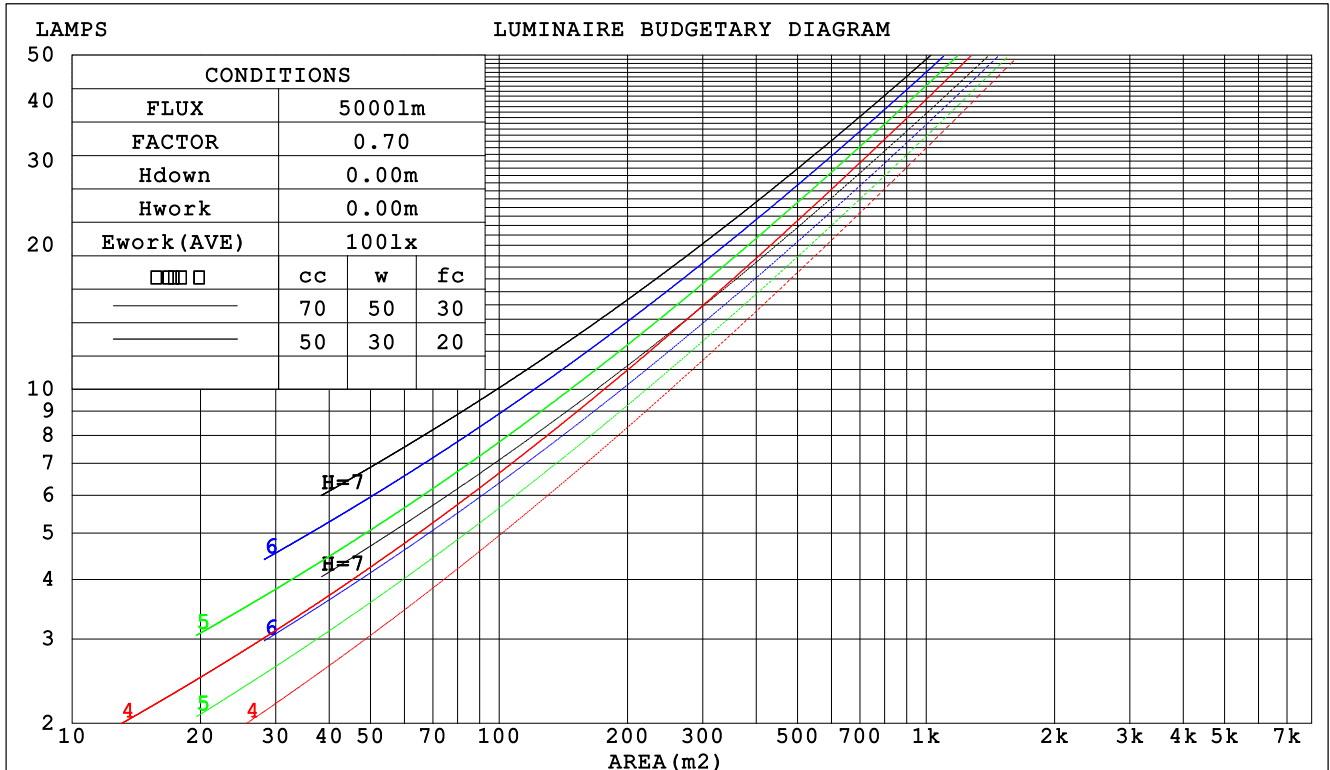
C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 180DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-26

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:

☐ cc	80%	70%	50%	30%	10%	0
☐ w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
☐ fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.386 .220 .070	.371 .212 .067	.343 .197 .063	.317 .183 .059	.293 .170 .055	
2.0	.334 .183 .056	.320 .176 .054	.295 .164 .051	.271 .152 .048	.249 .141 .044	
3.0	.296 .158 .047	.284 .152 .046	.261 .141 .043	.239 .131 .040	.219 .121 .038	
4.0	.266 .138 .041	.255 .134 .039	.234 .124 .037	.214 .115 .035	.196 .107 .032	
5.0	.242 .123 .036	.232 .119 .035	.212 .111 .033	.195 .103 .031	.178 .095 .029	
6.0	.222 .111 .032	.212 .107 .031	.195 .100 .029	.178 .093 .027	.163 .086 .025	
7.0	.204 .101 .029	.196 .098 .028	.179 .091 .026	.164 .084 .025	.150 .078 .023	
8.0	.189 .093 .026	.181 .089 .025	.167 .083 .024	.152 .077 .022	.139 .071 .021	
9.0	.176 .085 .024	.169 .082 .023	.155 .077 .022	.142 .071 .020	.130 .066 .019	
10.0	.165 .079 .022	.158 .076 .021	.145 .071 .020	.133 .066 .019	.122 .061 .018	

☐ cc	80%	70%	50%	30%	10%	0
☐ w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
☐ fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.386 .386 .386	.330 .330 .330	.225 .225 .225	.129 .129 .129	.041 .041 .041	
1.0	.382 .352 .325	.327 .302 .280	.224 .208 .194	.129 .120 .113	.041 .039 .036	
2.0	.376 .330 .291	.322 .284 .252	.221 .196 .175	.127 .114 .103	.041 .037 .034	
3.0	.369 .314 .270	.316 .271 .234	.217 .188 .164	.125 .110 .097	.040 .036 .032	
4.0	.361 .301 .256	.310 .260 .222	.213 .181 .156	.123 .106 .093	.040 .035 .030	
5.0	.354 .292 .246	.304 .252 .214	.209 .176 .151	.121 .104 .090	.039 .034 .030	
6.0	.346 .284 .239	.298 .246 .208	.205 .172 .147	.119 .101 .088	.038 .033 .029	
7.0	.339 .278 .234	.292 .241 .204	.202 .169 .145	.117 .099 .086	.038 .033 .028	
8.0	.333 .272 .230	.286 .236 .201	.198 .166 .143	.115 .098 .085	.037 .032 .028	
9.0	.326 .267 .227	.281 .232 .198	.195 .163 .141	.114 .096 .084	.037 .032 .028	
10.0	.321 .263 .225	.276 .229 .196	.192 .161 .140	.112 .095 .083	.036 .031 .028	

C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1					TYPE:RGBW-RED					WEIGHT:				
SPEC.:110X220 DEG					DIM.:1000mm					SERIAL No.:				
MFR.: CD					SUR.:1*0.018					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					21.9	23.2	22.5	23.8	24.5	18.7	20.0	19.3	20.6	21.3
3H					24.7	25.9	25.3	26.5	27.3	20.2	21.4	20.9	22.1	22.8
4H					26.3	27.4	26.9	28.1	28.8	20.8	22.0	21.5	22.6	23.4
6H					28.0	29.0	28.6	29.7	30.5	21.3	22.3	21.9	23.0	23.8
8H					28.9	29.9	29.6	30.6	31.4	21.4	22.4	22.1	23.1	23.9
12H					30.0	31.0	30.7	31.7	32.5	21.4	22.4	22.1	23.1	23.9
4H 2H					22.4	23.5	23.0	24.2	25.0	20.2	21.4	20.9	22.0	22.8
3H					25.5	26.5	26.2	27.2	28.0	22.1	23.1	22.8	23.8	24.6
4H					27.2	28.1	28.0	28.9	29.7	22.9	23.8	23.7	24.6	25.4
6H					29.2	30.0	29.9	30.7	31.6	23.6	24.4	24.3	25.1	26.0
8H					30.2	31.0	31.0	31.7	32.6	23.8	24.6	24.6	25.3	26.2
12H					31.4	32.1	32.2	32.9	33.8	24.0	24.7	24.7	25.4	26.3
8H 4H					27.6	28.3	28.3	29.1	30.0	24.3	25.0	25.0	25.8	26.7
6H					29.8	30.4	30.6	31.2	32.1	25.4	26.0	26.1	26.8	27.7
8H					31.1	31.6	31.9	32.4	33.4	25.9	26.4	26.7	27.2	28.2
12H					32.5	33.0	33.4	33.9	34.8	26.2	26.7	27.1	27.6	28.5
12H 4H					27.6	28.3	28.3	29.0	30.0	24.7	25.4	25.4	26.2	27.1
6H					29.9	30.5	30.7	31.3	32.2	26.1	26.6	26.8	27.4	28.4
8H					31.3	31.8	32.1	32.6	33.6	26.7	27.2	27.6	28.1	29.0
Variations with the observer position at spacings:														
S = 1.0H					+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H					+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H					+ 0.2 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117, 19.72 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -13.6)

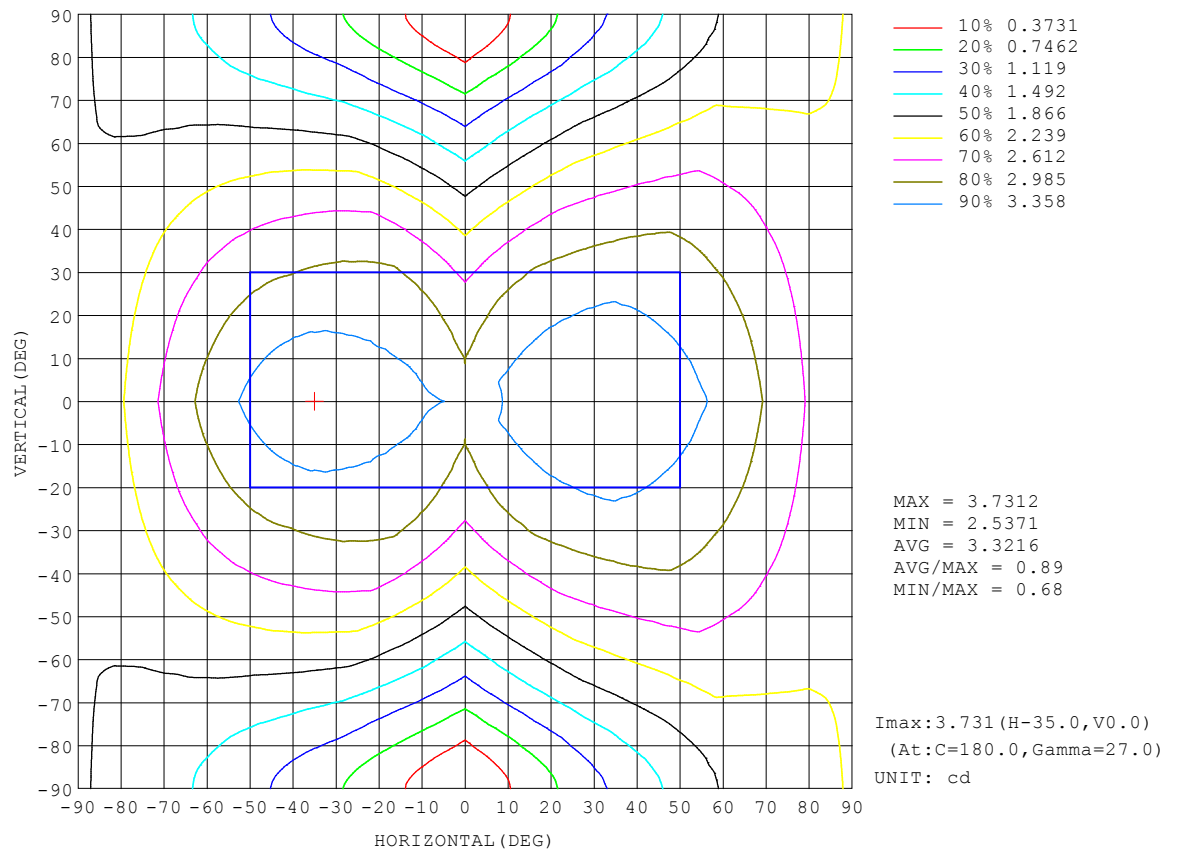
C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE: RGBW-RED	WEIGHT:
SPEC.: 110X220 DEG	DIM.: 1000mm	SERIAL No.:
MFR.: CD	SUR.: 1*0.018	Shielding Angle:

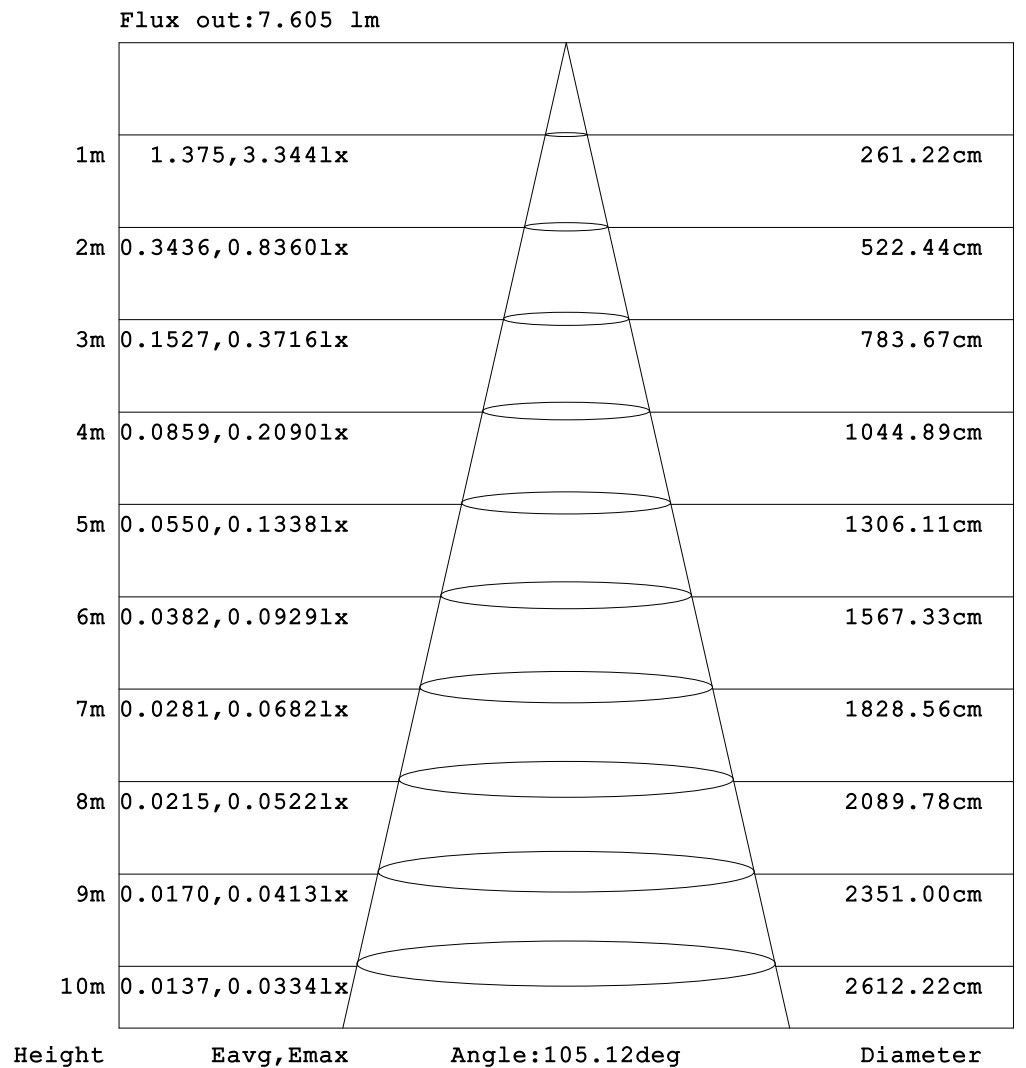


C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

AAI Figure

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:



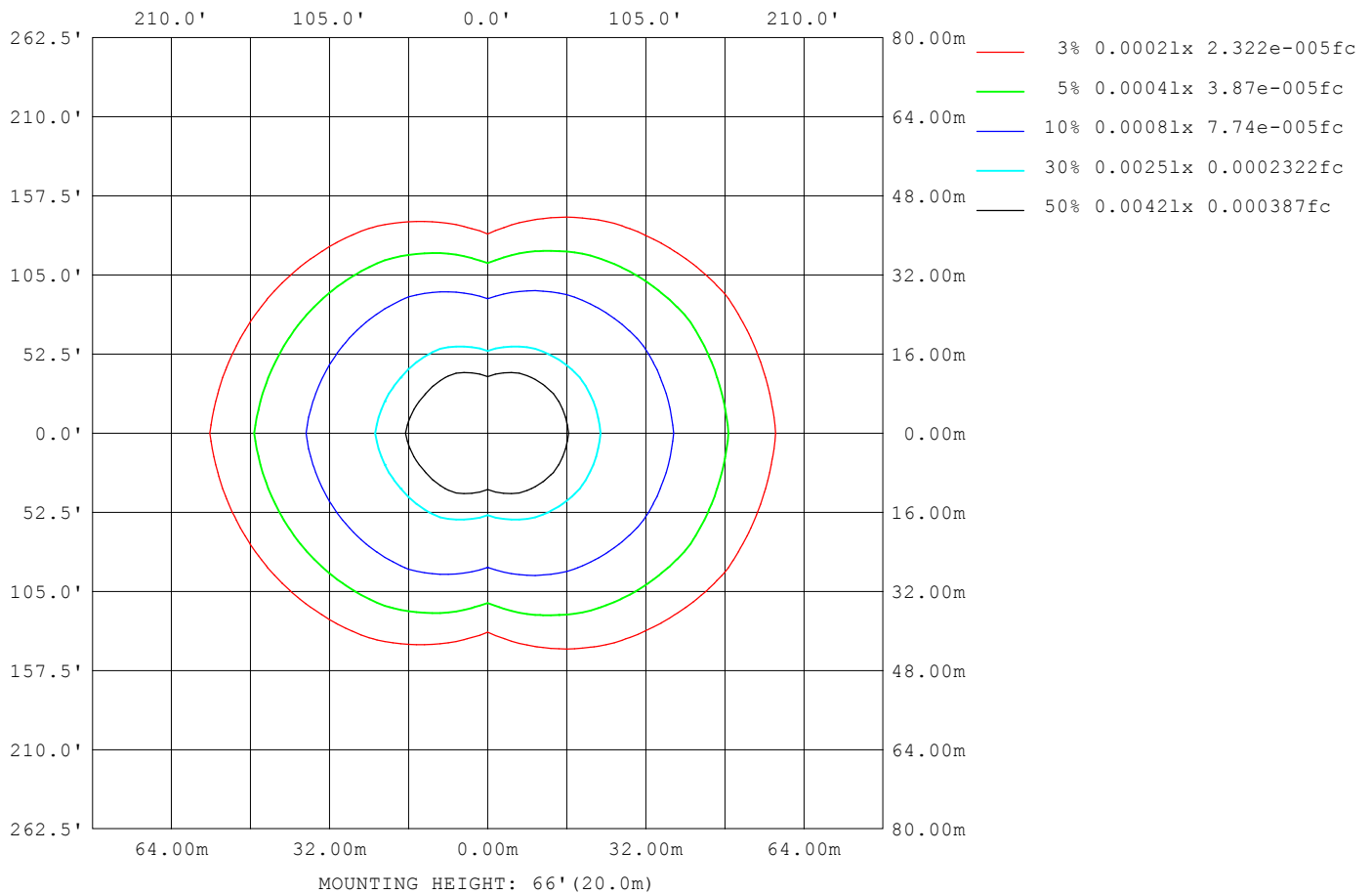
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 180DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:



C Range: 0 - 180DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:

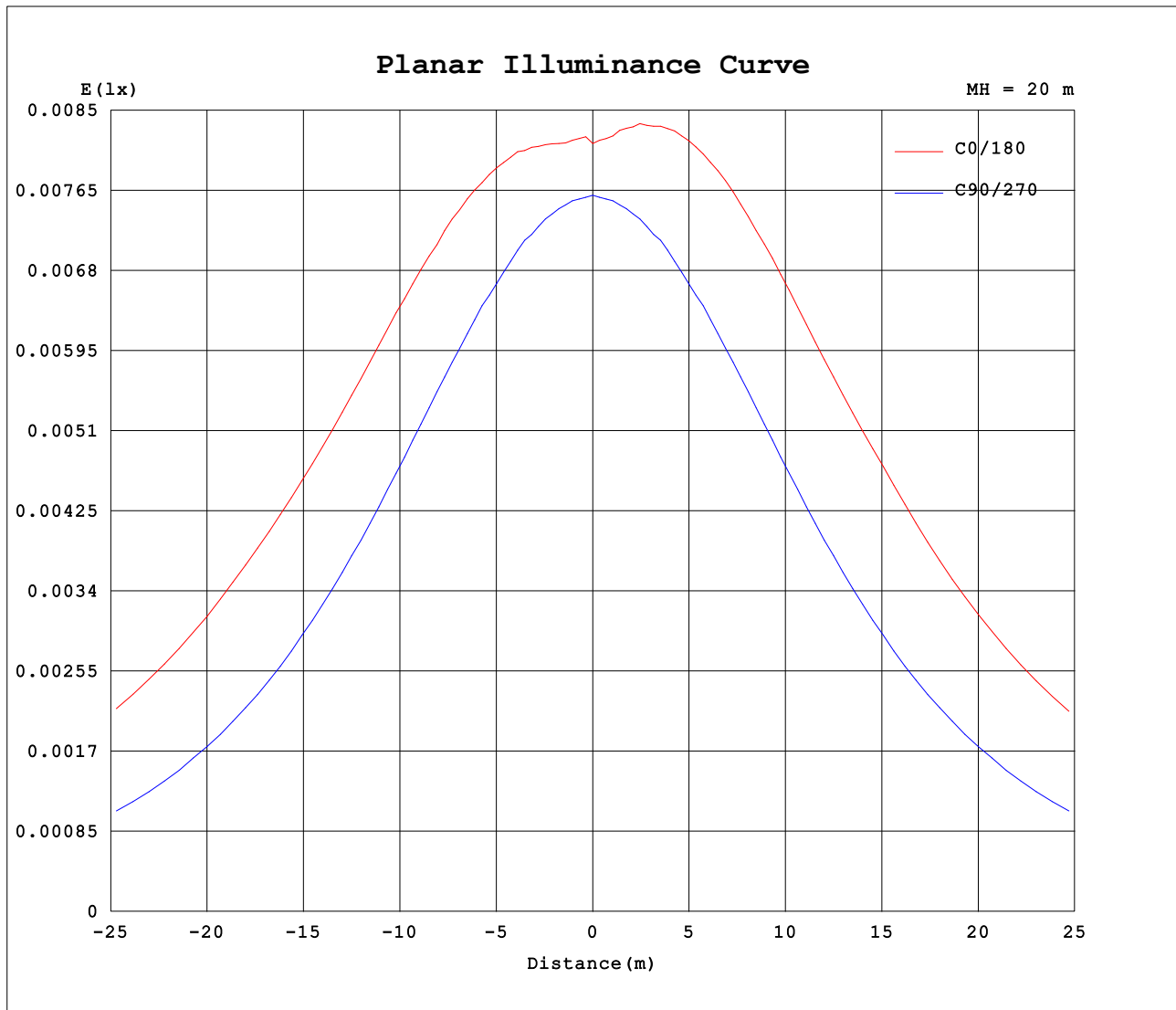
AvgL	cd/m2
L_0~180 (65) av	379
L_0~180 (75) av	536
L_0~180 (85) av	1345
L_90~270 (65) av	145
L_90~270 (75) av	127
L_90~270 (85) av	70
L_45 (65) av	302
L_45 (75) av	395
L_45 (85) av	910

Standard: GB/T 29293-2012

C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 180DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-09-26

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LumiPixel Slim-Square Acrylic-1000mm-RGBW RED-110 220D-Rev1	TYPE:RGBW-RED	WEIGHT:
SPEC.:110X220 DEG	DIM.:1000mm	SERIAL No.:
MFR.: CD	SUR.:1*0.018	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14						
5	3.14	3.16	3.13	3.11	3.17	3.28	3.24	3.28	3.17	3.11	3.13	3.16						
10	3.22	3.23	3.13	3.08	3.22	3.42	3.36	3.42	3.22	3.08	3.13	3.23						
15	3.31	3.28	3.13	2.99	3.25	3.49	3.46	3.49	3.25	2.99	3.13	3.28						
20	3.38	3.29	3.13	2.90	3.26	3.50	3.54	3.50	3.26	2.90	3.13	3.29						
25	3.41	3.30	3.12	2.77	3.26	3.50	3.58	3.50	3.26	2.77	3.12	3.30						
30	3.42	3.29	3.05	2.62	3.20	3.47	3.58	3.47	3.20	2.62	3.05	3.29						
35	3.42	3.27	2.95	2.45	3.10	3.40	3.57	3.40	3.10	2.45	2.95	3.27						
40	3.42	3.21	2.82	2.25	2.98	3.32	3.53	3.32	2.98	2.25	2.82	3.21						
45	3.38	3.15	2.69	2.04	2.82	3.20	3.43	3.20	2.82	2.04	2.69	3.15						
50	3.31	3.06	2.54	1.81	2.64	3.06	3.31	3.06	2.64	1.81	2.54	3.06						
55	3.22	2.95	2.37	1.57	2.42	2.89	3.16	2.89	2.42	1.57	2.37	2.95						
60	3.12	2.82	2.17	1.33	2.18	2.70	2.98	2.70	2.18	1.33	2.17	2.82						
65	2.98	2.67	1.97	1.10	1.93	2.49	2.79	2.49	1.93	1.10	1.97	2.67						
70	2.82	2.49	1.75	0.85	1.66	2.25	2.58	2.25	1.66	0.85	1.75	2.49						
75	2.64	2.30	1.53	0.59	1.40	2.01	2.35	2.01	1.40	0.59	1.53	2.30						
80	2.45	2.10	1.31	0.33	1.16	1.78	2.13	1.78	1.16	0.33	1.31	2.10						
85	2.28	1.92	1.12	0.11	0.94	1.59	1.94	1.59	0.94	0.11	1.12	1.92						
90	2.16	1.81	1.02	0.02	0.82	1.50	1.84	1.50	0.82	0.02	1.02	1.81						
95	2.12	1.77	1.00	0.02	0.76	1.45	1.77	1.45	0.76	0.02	1.00	1.77						
100	2.07	1.69	0.97	0.02	0.75	1.39	1.62	1.39	0.75	0.02	0.97	1.69						
105	1.99	1.62	0.92	0.02	0.74	1.33	1.51	1.33	0.74	0.02	0.92	1.62						
110	1.91	1.52	0.83	0.02	0.71	1.29	1.46	1.29	0.71	0.02	0.83	1.52						
115	1.80	1.39	0.76	0.02	0.67	1.21	1.26	1.21	0.67	0.02	0.76	1.39						
120	1.67	1.32	0.67	0.02	0.62	1.13	1.26	1.13	0.62	0.02	0.67	1.32						
125	1.54	1.10	0.58	0.02	0.59	1.03	1.14	1.03	0.59	0.02	0.58	1.10						
130	1.42	0.96	0.50	0.02	0.55	0.95	1.09	0.95	0.55	0.02	0.50	0.96						
135	1.28	0.82	0.43	0.02	0.50	0.87	0.98	0.87	0.50	0.02	0.43	0.82						
140	1.15	0.68	0.34	0.02	0.42	0.78	0.86	0.78	0.42	0.02	0.34	0.68						
145	1.00	0.55	0.28	0.02	0.35	0.67	0.75	0.67	0.35	0.02	0.28	0.55						
150	0.85	0.43	0.24	0.02	0.29	0.55	0.64	0.55	0.29	0.02	0.24	0.43						
155	0.70	0.30	0.21	0.02	0.23	0.42	0.51	0.42	0.23	0.02	0.21	0.30						
160	0.51	0.21	0.17	0.02	0.17	0.32	0.37	0.32	0.17	0.02	0.17	0.21						
165	0.20	0.16	0.15	0.02	0.12	0.22	0.14	0.22	0.12	0.02	0.15	0.16						
170	0.12	0.12	0.11	0.02	0.06	0.12	0.07	0.12	0.06	0.02	0.11	0.12						
175	0.07	0.05	0.07	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.07	0.05						
180	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01						

C Range: 0 - 180DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-26

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks: