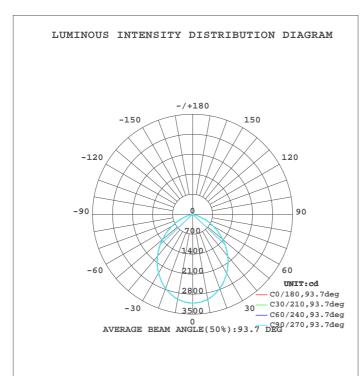
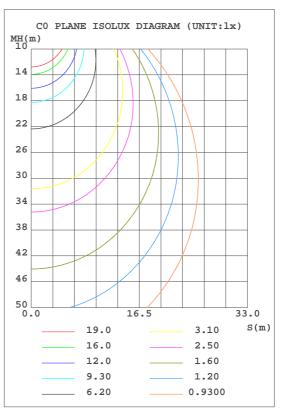


### LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 La	mp Flux:6593.24x1 lm	
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DA.	TA OF LAM	IP		PHOTOMETRIC DATA Eff						
MODEL		Imax(cd)		3122	S/MH(C0/180)	1.15				
NOMINAL P	OWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.15				
RATED VOL	TAGE(V)	120	TOTAL FLUX(lm)	6593.2	h UP,DN(C0-180) 0.1,49.					
NOMINAL F	LUX(lm)	6593.24	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.9				
LAMPS INSIDE 1		h up(%)	0.2	CIBSE SHR NOM	1.25					
TEST VOLTAGE(V) 120		h down(%)	down(%) 99.8 CIBSE SHR MAX							





C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date:2023-12-05 g Range: 0 - 180DEG G Interval: 1.0DEG

g Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

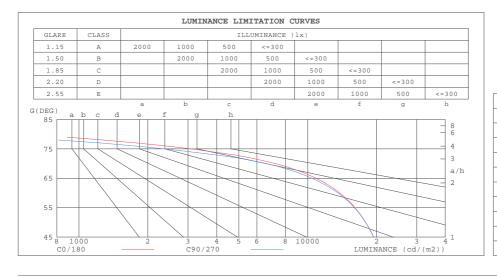
Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



# ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

#### ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	3017	3019	3014	3021	3021	3021	3021	3021	0- 10	292.5	292.5	4.44
20	2762	2764	2763	2766	2769	2767	2770	2768	10- 20	820.2	1113	16.9
30	2384	2385	2383	2389	2388	2382	2391	2390	20- 30	1192	2304	35
40	1913	1913	1910	1913	1912	1906	1914	1918	30- 40	1349	3653	55.4
50	1386	1390	1383	1388	1380	1377	1383	1390	40- 50	1274	4927	74.7
60	831.6	839.8	813.9	832.5	822.9	822.7	809.9	835.9	50- 60	988.8	5915	89.7
70	297.2	301.5	269.9	294.7	286.9	288.0	261.2	297.4	60- 70	543.1	6459	98
80	12.18	12.80	8.765	12.20	10.75	10.59	8.257	11.97	70- 80	116.2	6575	99.7
90	0	0	0	0	0	0.0003	0	0	80- 90	3.595	6578	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0004	6578	99.8
110	0.5241	0.5310	0.4863	0.5177	0.6983	0.6095	0.6541	0.6340	100-110	0.2168	6579	99.8
120	1.649	1.636	1.737	1.608	1.865	1.799	1.936	1.816	110-120	1.113	6580	99.8
130	3.026	2.973	3.134	2.963	3.200	3.181	3.308	3.183	120-130	2.158	6582	99.8
140	4.341	4.311	4.458	4.317	4.503	4.506	4.621	4.494	130-140	2.910	6585	99.9
150	5.508	5.495	5.499	5.517	5.632	5.661	5.637	5.626	140-150	3.139	6588	99.9
160	6.421	6.413	6.430	6.428	6.534	6.536	6.542	6.513	150-160	2.787	6591	100
170	7.058	7.073	7.077	7.080	7.133	7.153	7.140	7.116	160-170	1.924	6593	100
180	7.318	7.351	7.324	7.326	7.318	7.351	7.324	7.332	170-180	0.6902	6593	100
DEG		LUMINOUS INTENSITY:cd									T:lm	



LUMI	NANCE cd/	(m2)
G(DEG)	C0/180	C90/270
85	265	251
80	584	421
75	3096	2365
70	7230	6583
65	10900	10467
60	13840	13580
55	16124	16024
50	17946	17946
45	19450	19475

C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date: 2023-12-05

g Range: 0 - 180DEG G Interval: 1.0DEG

g Interval: 1.0DEG
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

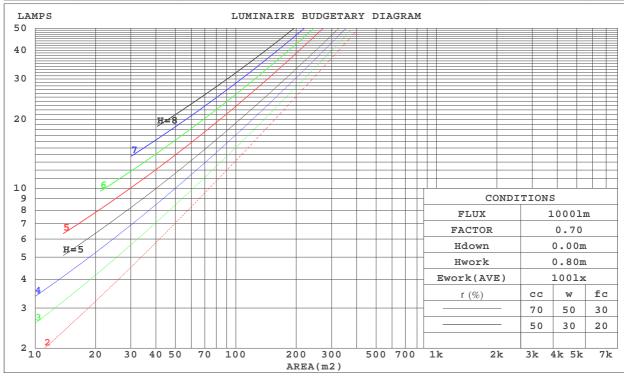
Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 La	mp Flux:6593.24x1 lm	
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc		80%			70%			50%			30%			10%		0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc		20%			20%			20%			20%			20%		0
RCR	RCR:R	oom Ca	vity R	atio		Coe	fficie	nts of	Utili:	zation	(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	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.95	.89	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.83	.77	.72	.81	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.75	.68	.62	.72	.66	.61	.70	.65	.60	.68	.63	.60	.58
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.48	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.34	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.31	.30



C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date: 2023-12-05

g Range: 0 - 180DEG G Interval: 1.0DEG

ğ Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### WEC AND CCEC

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 La	mp Flux:6593.24x1 lm	
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc		80%			70%			50%			30%			10%		0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc		20%			20%			20%			20%			20%		0
RCR	RCR:F	Room (	Cavit	y Rat	io		7	Wall	Exita	nce C	oeffc	ients	(WEC)	)		
0.0																
1.0	.249	.142	.045	.242	.138	.044	.229	.132	.042	.217	.125	.040	.206	.120	.039	
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.217	.122	.038	.207	.117	.037	
3.0	.234	.124	.037	.228	.122	.037	.218	.118	.036	.209	.114	.035	.200	.111	.034	
4.0	.220	.114	.034	.216	.113	.033	.207	.110	.033	.199	.107	.032	.191	.104	.032	
5.0	.207	.106	.031	.203	.104	.030	.195	.102	.030	.188	.099	.029	.181	.097	.029	
6.0	.195	.098	.028	.191	.096	.028	.184	.094	.027	.177	.092	.027	.171	.090	.027	
7.0	.183	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.173	.084	.024	.170	.083	.024	.164	.082	.023	.159	.080	.023	.154	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020	

rcc		80%			70%			50%			30%			10%		(
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
rfc		20%			20%			20%			20%			20%		
RCR	RCR:	Room	Cavit	y Rat	io	C	eiling	g Cav	ity E	xitan	ce Co	effic	ients	(CCEC	!)	
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.178	.158	.141	.152	.136	.121	.104	.094	.084	.060	.054	.049	.019	.017	.016	
2.0	.168	.134	.105	.144	.115	.091	.098	.080	.064	.057	.046	.037	.018	.015	.012	
3.0	.159	.116	.081	.136	.100	.070	.094	.069	.049	.054	.041	.029	.017	.013	.010	
4.0	.152	.102	.064	.130	.088	.056	.089	.061	.039	.052	.036	.023	.017	.012	.008	
5.0	.144	.091	.052	.124	.079	.046	.085	.055	.032	.049	.032	.019	.016	.011	.006	
6.0	.138	.083	.044	.118	.072	.038	.082	.050	.027	.047	.030	.016	.015	.010	.005	
7.0	.131	.076	.037	.113	.066	.032	.078	.046	.023	.045	.027	.014	.015	.009	.005	
8.0	.125	.070	.032	.108	.061	.028	.075	.043	.020	.043	.025	.012	.014	.008	.004	
9.0	.120	.065	.028	.103	.057	.025	.071	.040	.018	.042	.023	.010	.013	.008	.003	
10.0	.114	.061	.025	.099	.053	.022	.068	.037	.016	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators:Aaron Test Date:2023-12-05

g Range: 0 - 180DEG G Interval: 1.0DEG

ğ Interval: 1.00EG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



## UGR(Unified Glare Rating) Table

Test:U:120.0V I:	:0.4950A	P:59.01W	PF:0.9920	) Lamp F	lux:6593.	24x1 lm					
NAME: NYXNC8RDL9	OCCT5SDUA	LDIMWDCC		T	YPE:LED			WEIGHT:			
SPEC.:NYXNC8RDL9	OCCT5SDUA	LDIMWDCC		D	IM.:			SERIAL No.:01			
MFR.: GREEN CREA	ATIVE			S	UR.:			PROTECTIO	ON 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		Viewe	d cross	wise			Vi	ewed endwi	se		
ж = 2н у = 2н	22.2	23.6	22.5	23.8	24.0	22.2	23.5	22.4	23.7	23.9	
3н	22.8	24.0	23.1	24.2	24.5	22.7	23.9	22.9	24.1	24.4	
4н	22.8	23.9	23.1	24.2	24.4	22.6	23.8	22.9	24.0	24.3	
6н	22.7	23.8	23.0	24.0	24.3	22.5	23.6	22.8	23.9	24.2	
8н	22.6	23.7	23.0	24.0	24.2	22.5	23.5	22.8	23.8	24.1	
12Н	22.6	23.6	22.9	23.9	24.2	22.4	23.4	22.8	23.7	24.0	
4н 2н	22.5	23.7	22.9	24.0	24.2	22.5	23.7	22.8	23.9	24.2	
3н	23.2	24.2	23.5	24.5	24.8	23.0	24.1	23.4	24.4	24.7	
4н	23.2	24.1	23.5	24.4	24.8	23.0	23.9	23.4	24.3	24.6	
6н	23.1	23.9	23.5	24.3	24.6	22.9	23.8	23.3	24.1	24.5	
8н	23.1	23.8	23.5	24.2	24.6	22.9	23.6	23.3	24.0	24.4	
12Н	23.0	23.7	23.4	24.1	24.5	22.8	23.5	23.3	23.9	24.3	
8н 4н	23.1	23.9	23.5	24.2	24.6	23.0	23.7	23.4	24.1	24.5	
6н	23.0	23.6	23.5	24.1	24.5	22.9	23.5	23.3	23.9	24.3	
8н	23.0	23.5	23.4	24.0	24.4	22.8	23.4	23.3	23.8	24.3	
12Н	23.0	23.4	23.4	23.9	24.3	22.8	23.3	23.3	23.7	24.2	
12н 4н	23.1	23.7	23.5	24.1	24.5	22.9	23.6	23.3	24.0	24.4	
6н	23.0	23.5	23.4	24.0	24.4	22.8	23.4	23.3	23.8	24.3	
8н	23.0	23.4	23.4	23.9	24.3	22.8	23.3	23.3	23.7	24.2	
Variations with	the obs	erver po	sition a	at spaci	ngs:						
S = 1.0H		+ 0	.5 / - 0	.6			+	0.5 / - 0	. 7		
1.5н		+ 0	.2 / - 0	.5			+	0.3 / - 0	. 5		
2.0H		+ 0	.9 / - 1	. 0			+	0.9 / - 1	. 0		

CIE Pub.117 Corrected 6593 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.6)

C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators:Aaron Test Date:2023-12-05 g Range: 0 - 180DEG G Interval: 1.0DEG

ğ Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 La	mp Flux:6593.24x1 lm	
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION 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) x RCR = 5											
k = 0.60	63	53	46	63	52	46	61	52	46	40			
0.80	74	63	57	73	63	57	71	62	56	50			
1.00	82	73	66	81	72	66	79	73	65	59			
1.25	89	80	74	88	79	74	85	78	73	66			
1.50	94	85	80	92	85	79	89	83	78	71			
2.00	100	93	87	98	92	87	95	89	85	78			
2.50	103	97	92	101	95	91	97	93	89	81			
3.00	106	100	96	104	99	95	100	96	92	85			
4.00	109	104	101	107	103	99	103	99	97	88			
5.00	111	111 107 104 109 105 102 104 102 99								91			
ROOM INDEX				UF(to	otal)					Direct			
According to D	According to DIN EN 13032-2 2004 Suspended SHRNOM = 1									1.25			

C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators:Aaron Test Date:2023-12-05

g Range: 0 - 180DEG G Interval: 1.0DEG

ğ Interval: 1.00EG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

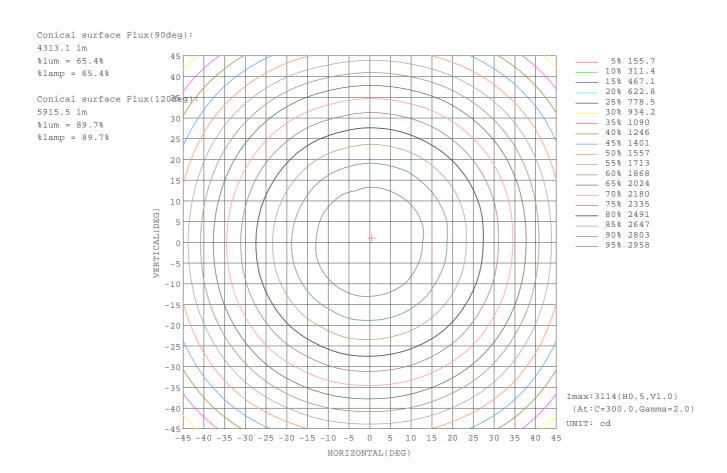
Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### ISOCANDELA DIAGRAM

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 Lamp Flux:6593.24x1 lm			
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:	
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:	



C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date:2023-12-05

g Range: 0 - 180DEG G Interval: 1.0DEG

g Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

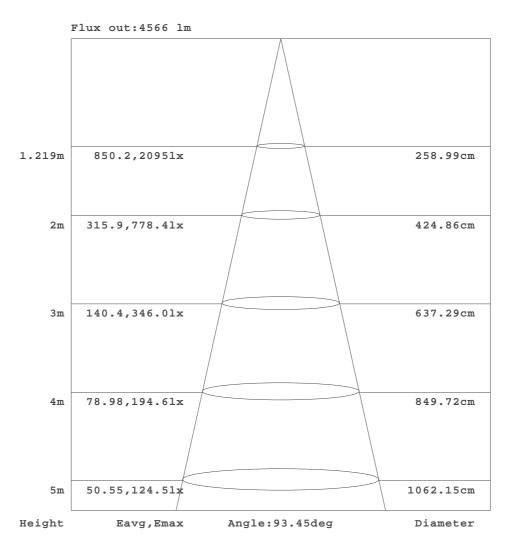
Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



# AAI Figure

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 Lamp Flux:6593.24x1 lm			
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:	
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:	



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: 25.3DEG Operators: Aaron Test Date:2023-12-05 g Range: 0 - 180DEG G Interval: 1.0DEG

g Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

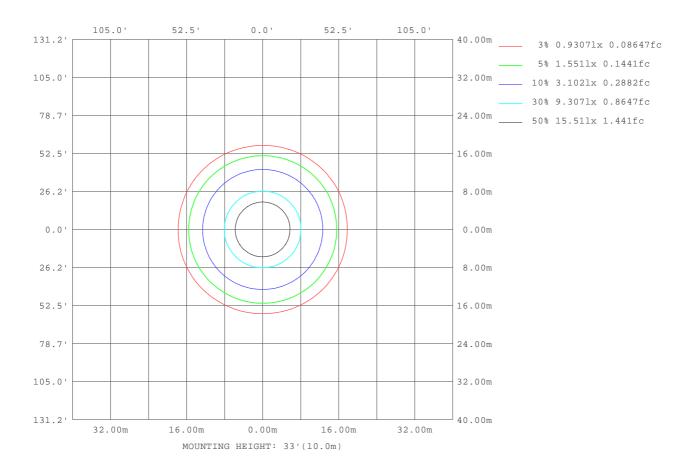
Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### ISOLUX DIAGRAM

Test:U:120.0V I:0.4950A P:59.01W PF:0.9920 Lamp Flux:6593.24x1 lm			
NAME: NYXNC8RDL9CCT5SDUALDIMWDCC	TYPE: LED	WEIGHT:	
SPEC.:NYXNC8RDL9CCT5SDUALDIMWDCC	DIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:	



C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date:2023-12-05 g Range: 0 - 180DEG G Interval: 1.0DEG

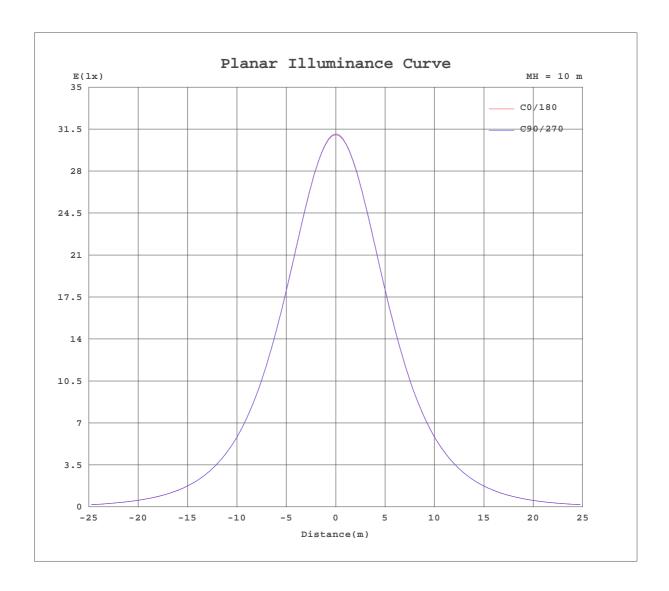
ğ Interval: 1.0066 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155



### Planar Illuminance Curve



C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature: 25.3DEG Operators: Aaron Test Date:2023-12-05 g Range: 0 - 180DEG G Interval: 1.0DEG

ğ Interval: 1.0DEG Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.291

Humidity:65.0%

Test Distance:10.627m [K=1.0000] Remarks: TRP-231130SHA-01\_F155