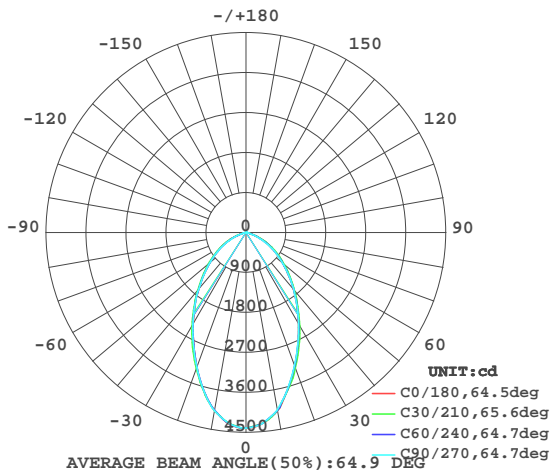


LUMINAIRE PHOTOMETRIC TEST REPORT

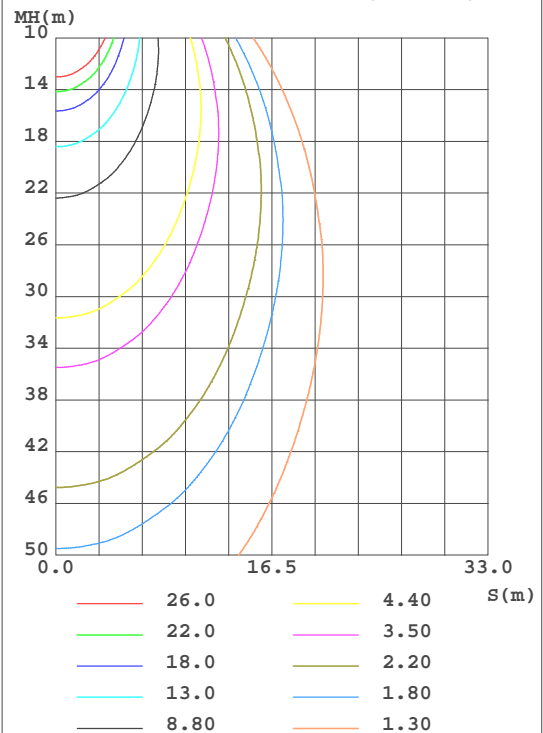
Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.50 lm/W			
MODEL		I _{max} (cd)	4411	S/MH(C0/180)	0.89
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6336.2	h UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	6336.16	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.8	CIBSE SHR MAX	1.05

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

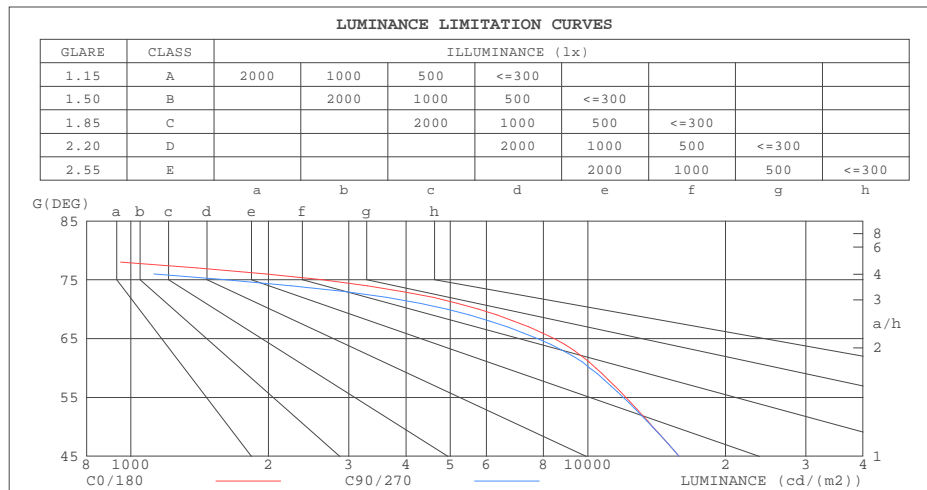
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-231130SHA-01_F155
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

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	4070	4085	4078	4086	4079	4057	4061	4081	0- 10	404.2	404.2	6.38
20	3238	3243	3241	3248	3212	3267	3198	3256	10- 20	1028	1432	22.6
30	2377	2405	2393	2401	2370	2428	2369	2398	20- 30	1287	2718	42.9
40	1651	1681	1656	1687	1666	1688	1670	1671	30- 40	1262	3980	62.8
50	1071	1101	1067	1115	1085	1119	1088	1111	40- 50	1056	5037	79.5
60	624.8	642.9	606.1	655.5	634.6	657.1	620.8	654.6	50- 60	764.9	5802	91.6
70	236.9	239.7	201.8	246.9	240.3	251.1	206.9	249.1	60- 70	424.7	6226	98.3
80	8.059	7.187	5.174	7.319	8.086	7.234	4.782	7.359	70- 80	94.94	6321	99.8
90	0.0030	0	0	0	0	0	0	0	80- 90	2.094	6323	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	6323	99.8
110	0.2893	0.3580	0.2706	0.2837	0.4506	0.3144	0.4325	0.3753	100-110	0.0935	6323	99.8
120	1.207	1.246	1.196	1.167	1.395	1.256	1.393	1.337	110-120	0.7766	6324	99.8
130	2.384	2.381	2.402	2.318	2.553	2.459	2.584	2.526	120-130	1.654	6326	99.8
140	3.692	3.634	3.722	3.595	3.818	3.798	3.871	3.833	130-140	2.387	6328	99.9
150	5.024	4.966	5.077	4.951	5.129	5.172	5.165	5.189	140-150	2.760	6331	99.9
160	6.225	6.154	6.285	6.153	6.277	6.388	6.337	6.385	150-160	2.621	6334	100
170	7.058	7.055	7.124	7.076	7.102	7.196	7.131	7.211	160-170	1.895	6335	100
180	7.404	7.467	7.414	7.483	7.410	7.474	7.414	7.483	170-180	0.6958	6336	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	149	137
80	387	248
75	2624	1613
70	5773	4920
65	8441	7760
60	10417	10108
55	12112	11957
50	13887	13847
45	15832	15845

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

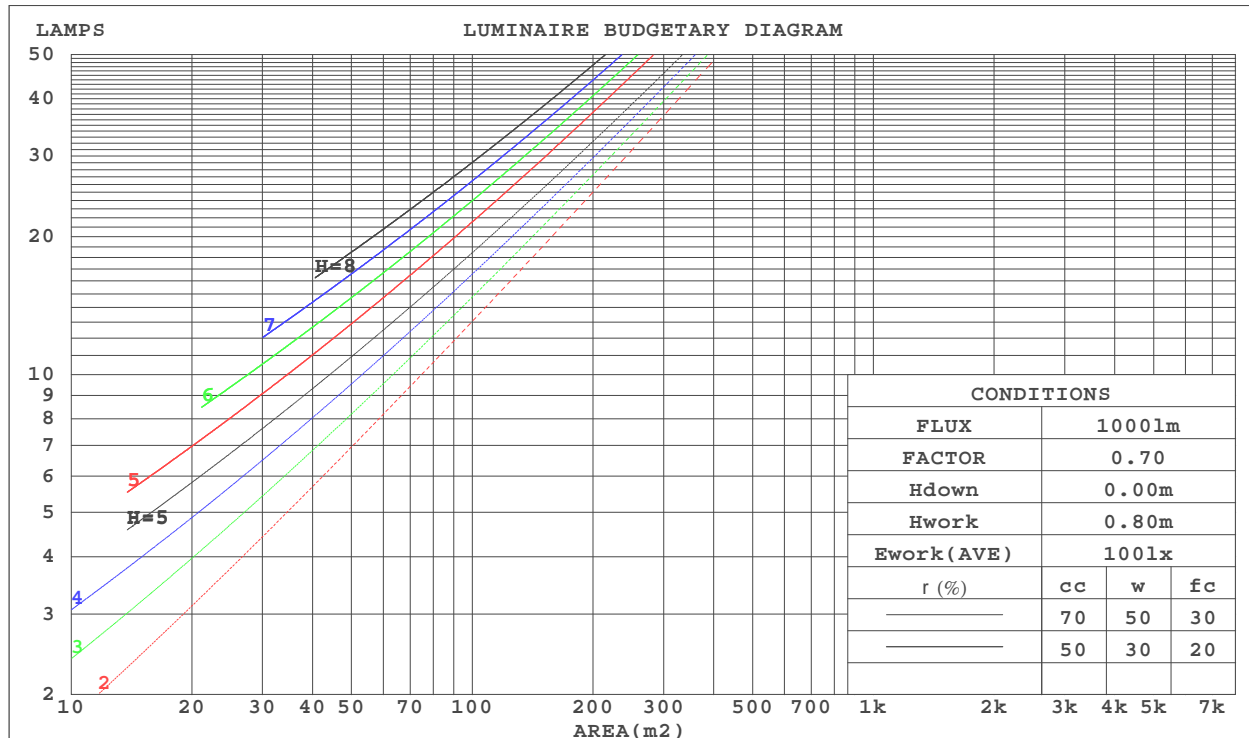
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 10.627m [K=1.0000]
Remarks: TRP-231130SHA-01_F155
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDC\NYXNC8RDL9CCT5SDUALDIMMDC 60W 3500K LENS Clear trim.GOS

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	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: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	1.08	1.05	1.02	1.06	1.03	.00	1.01	.99	.97	.98	.96	.94	.94	.92	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.78
3.0	.87	.81	.75	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.43	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.39	.48	.43	.39	.38
10.0	.49	.41	.37	.48	.41	.37	.47	.41	.37	.46	.40	.36	.45	.40	.36	.35



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
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

WEC AND CCEC

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	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:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.234	.133	.042	.227	.130	.041	.214	.123	.039	.202	.117	.037	.191	.111	.036	
2.0	.229	.126	.039	.223	.123	.038	.212	.118	.037	.201	.113	.035	.192	.109	.034	
3.0	.218	.116	.035	.213	.114	.034	.203	.110	.033	.194	.106	.033	.186	.103	.032	
4.0	.206	.107	.031	.201	.105	.031	.193	.102	.031	.185	.099	.030	.177	.096	.029	
5.0	.194	.099	.029	.190	.098	.028	.182	.095	.028	.175	.092	.028	.169	.090	.027	
6.0	.183	.092	.026	.179	.091	.026	.172	.088	.026	.166	.086	.025	.160	.084	.025	
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.081	.023	.152	.079	.023	
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.149	.076	.022	.145	.074	.022	
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.021	.142	.071	.020	.138	.070	.020	
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019	

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:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.142	.151	.136	.122	.103	.094	.084	.060	.054	.049	.019	.017	.016	
2.0	.165	.134	.107	.142	.115	.093	.097	.080	.065	.056	.046	.038	.018	.015	.012	
3.0	.156	.116	.083	.134	.100	.072	.092	.069	.051	.053	.040	.030	.017	.013	.010	
4.0	.148	.102	.066	.127	.088	.058	.087	.061	.041	.050	.036	.024	.016	.012	.008	
5.0	.140	.091	.054	.121	.079	.047	.083	.055	.033	.048	.032	.020	.015	.011	.007	
6.0	.133	.082	.045	.115	.071	.039	.079	.050	.028	.046	.029	.017	.015	.010	.005	
7.0	.127	.075	.038	.109	.065	.033	.075	.046	.024	.044	.027	.014	.014	.009	.005	
8.0	.121	.069	.033	.104	.060	.029	.072	.042	.021	.042	.025	.012	.014	.008	.004	
9.0	.116	.064	.029	.100	.056	.025	.069	.039	.018	.040	.023	.011	.013	.008	.004	
10.0	.110	.060	.026	.095	.052	.023	.066	.036	.016	.039	.022	.010	.012	.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
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm											
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC						TYPE:LED		WEIGHT:			
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC						DIM.:		SERIAL No.:01			
MFR.: GREEN CREATIVE						SUR.:		PROTECTION 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	20.8	22.1	21.1	22.3	22.5	20.6	21.8	20.8	22.0	22.2	
	3H	21.4	22.6	21.7	22.8	23.0	21.0	22.1	21.2	22.3	22.6
	4H	21.4	22.5	21.7	22.8	23.0	20.9	22.0	21.2	22.3	22.5
	6H	21.3	22.4	21.6	22.6	22.9	20.8	21.9	21.1	22.1	22.4
	8H	21.3	22.3	21.6	22.5	22.8	20.8	21.8	21.1	22.0	22.3
	12H	21.2	22.2	21.6	22.5	22.8	20.7	21.7	21.1	22.0	22.3
4H	2H	21.1	22.2	21.4	22.5	22.7	20.9	22.0	21.2	22.2	22.5
	3H	21.8	22.7	22.1	23.0	23.3	21.4	22.3	21.7	22.6	22.9
	4H	21.8	22.7	22.2	23.0	23.3	21.3	22.2	21.7	22.5	22.8
	6H	21.7	22.5	22.1	22.8	23.2	21.2	22.0	21.6	22.3	22.7
	8H	21.7	22.4	22.1	22.8	23.1	21.2	21.9	21.6	22.2	22.6
	12H	21.6	22.3	22.1	22.7	23.1	21.1	21.8	21.6	22.2	22.6
8H	4H	21.7	22.4	22.1	22.8	23.2	21.3	22.0	21.7	22.3	22.7
	6H	21.7	22.2	22.1	22.6	23.1	21.2	21.7	21.6	22.2	22.6
	8H	21.6	22.1	22.1	22.5	23.0	21.1	21.6	21.6	22.1	22.5
	12H	21.6	22.0	22.1	22.5	22.9	21.1	21.5	21.6	22.0	22.4
12H	4H	21.7	22.3	22.1	22.7	23.1	21.2	21.9	21.6	22.2	22.6
	6H	21.6	22.1	22.1	22.5	23.0	21.1	21.6	21.6	22.1	22.5
	8H	21.6	22.0	22.1	22.5	22.9	21.1	21.5	21.6	22.0	22.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.9					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					
2.0H	+ 0.9 / - 1.0					+ 1.0 / - 1.2					

CIE Pub.117 Corrected 6336 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.4)

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
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	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) $k(RI) \times RCR = 5$									
k = 0.60	68	58	52	67	58	52	66	58	52	47
0.80	78	68	62	77	68	62	75	67	62	56
1.00	86	77	71	84	76	71	82	77	70	64
1.25	92	84	78	91	83	78	88	82	77	71
1.50	96	88	83	95	88	83	92	86	82	75
2.00	101	95	90	100	94	89	97	92	88	81
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	94	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	101	92
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:25.3DEG
Operators:Aaron
Test Date:2023-12-05

g Range: 0 - 180DEG
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

4541 lm

%lum = 71.7%

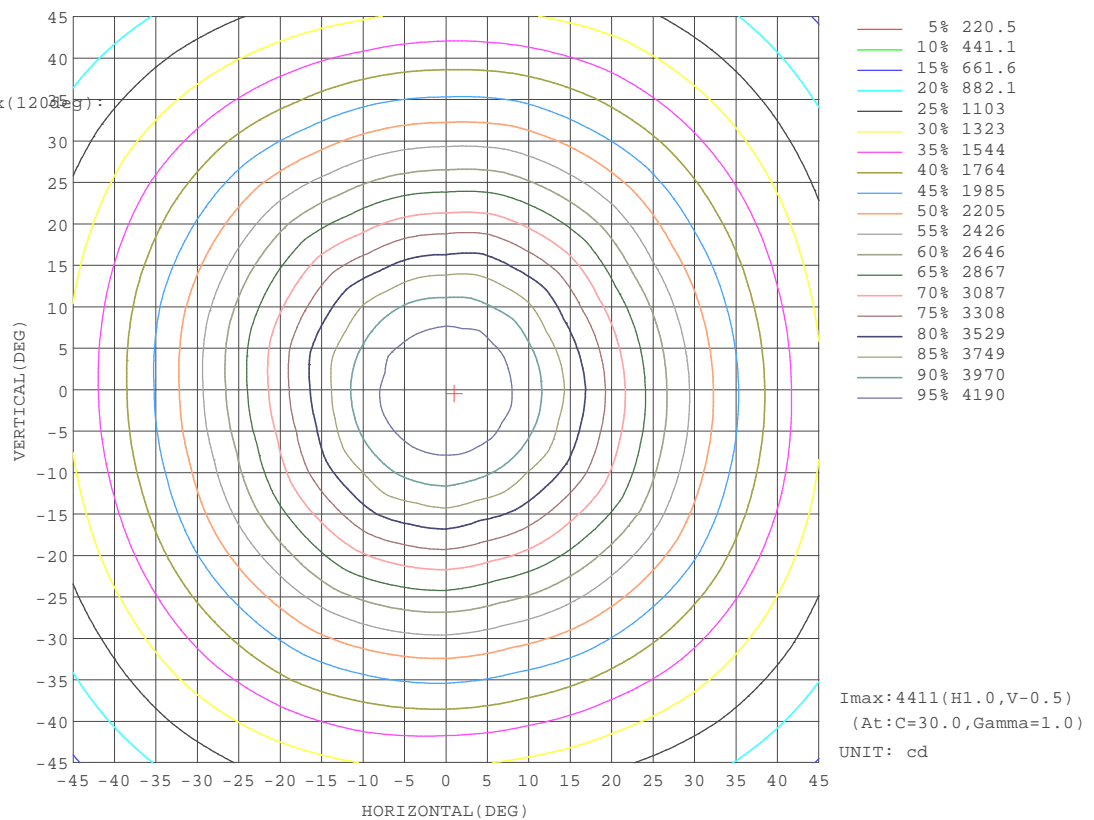
%lamp = 71.7%

Conical surface Flux(120deg):

5801.5 lm

%lum = 91.6%

%lamp = 91.6%



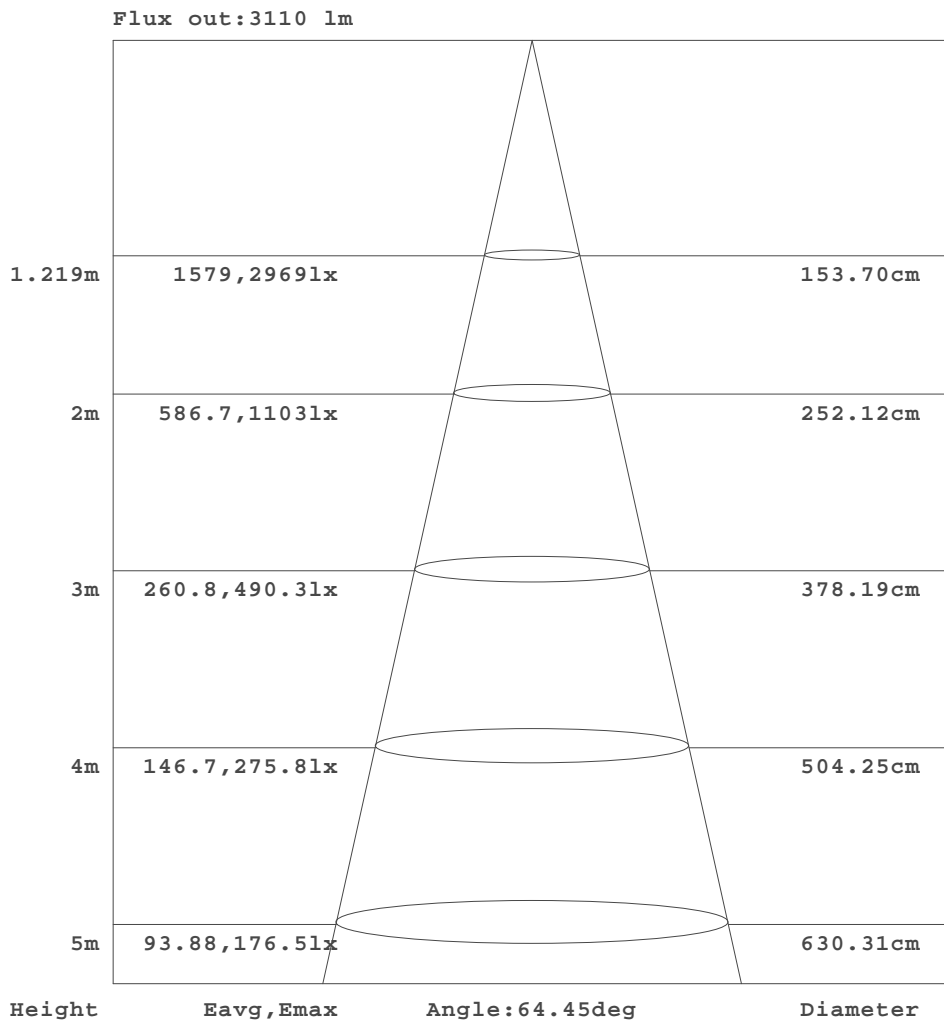
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2023-12-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

AAI Figure

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



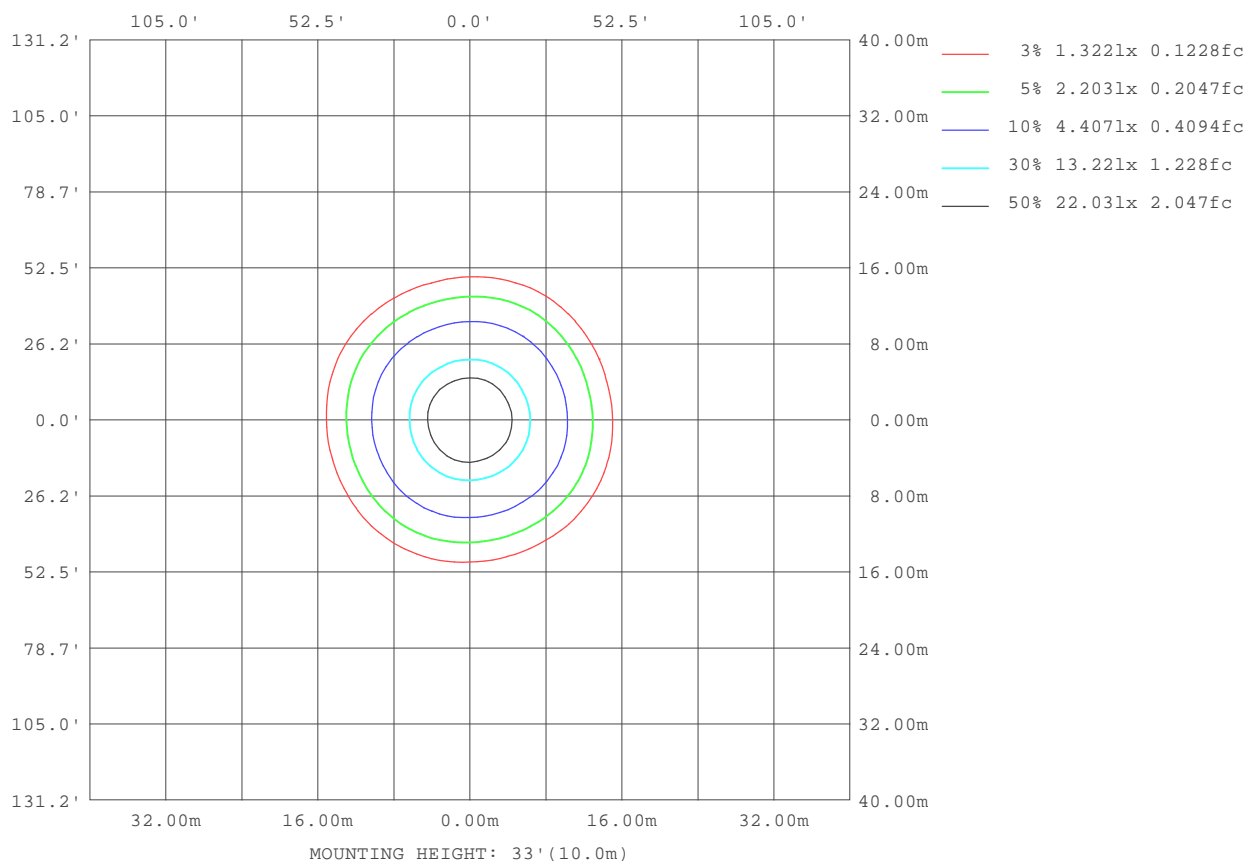
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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
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
T311301
8'60W 0-10V
3500K LENS Clear trim

ISOLUX DIAGRAM

Test:U:119.9V I:0.5012A P:58.94W PF:0.9916 Lamp Flux:6336.16x1 lm		
NAME: NYXNC8RDL9CCT5SDUALDIMMDCC	TYPE:LED	WEIGHT:
SPEC.:NYXNC8RDL9CCT5SDUALDIMMDCC	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

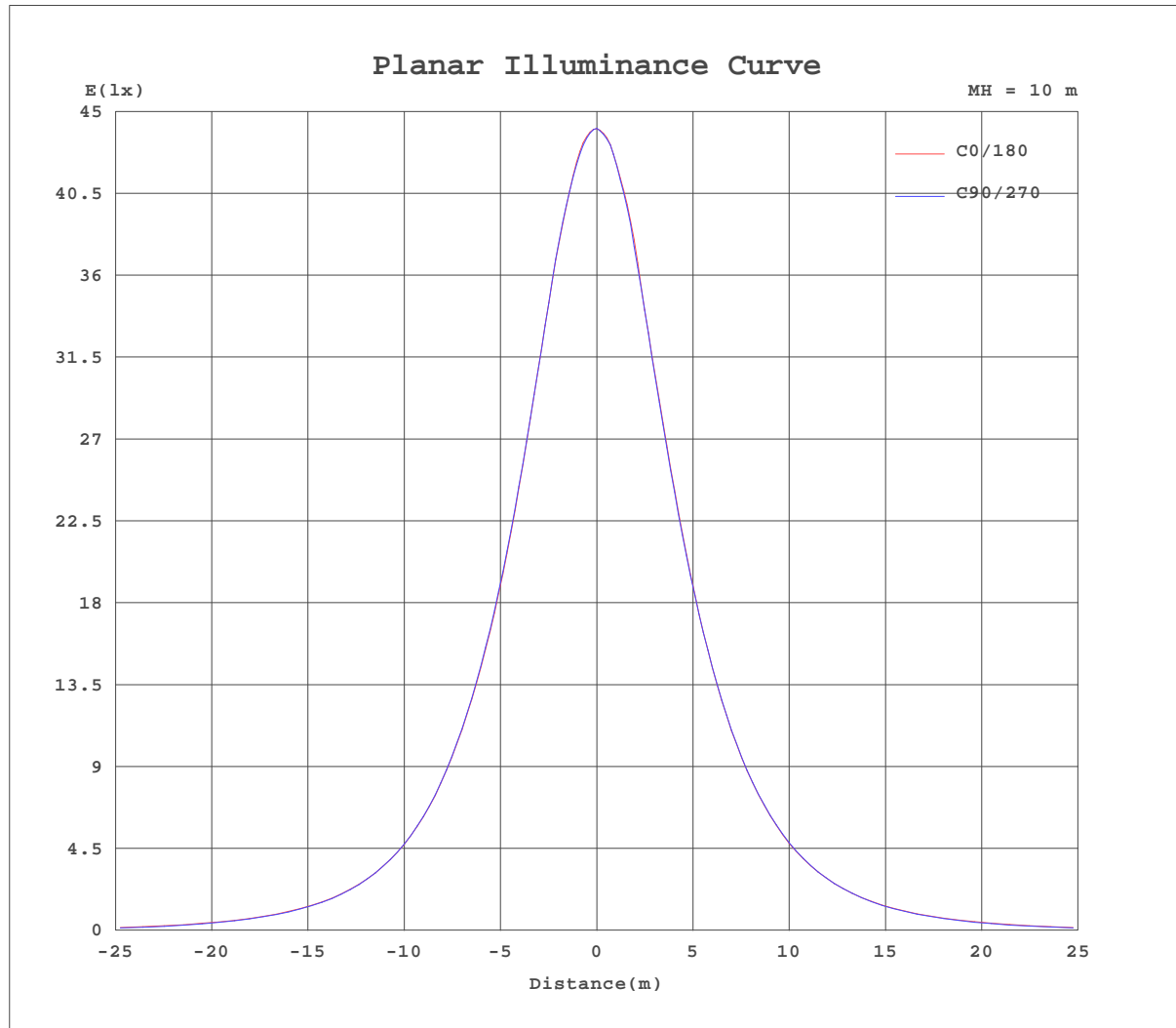


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2023-12-05

g Range: 0 - 180DEG
g Interval: 1.0DEG
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS

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
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
T311301
8'60W 0-10V
3500K LENS Clear trim

\\192.168.8.200\qa\Lab\temporary\IES Files\8'' L\NYXNC8RDL9CCT5SDUALDIMMDCC\NYXNC8RDL9CCT5SDUALDIMMDCC 60W 3500K LENS Clear trim.GOS