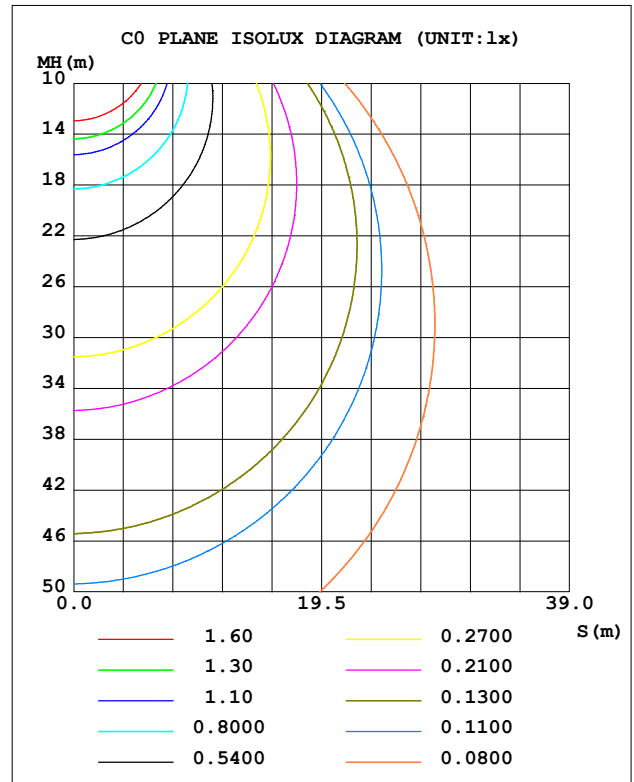
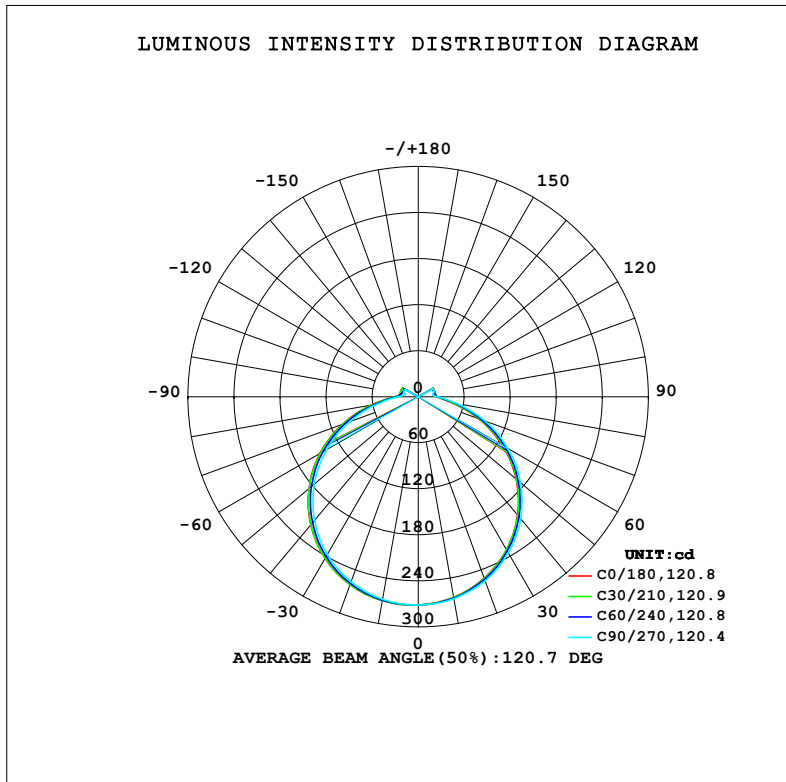


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	95NEOS18LED	Imax (cd)	271.7	S/MH (C0/180)	1.33
NOMINAL POWER (W)	18	LOR (%)	43.9	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	949.02	$\eta$ UP, DN (C0-180)	1.7, 20.0
NOMINAL FLUX (lm)	2160	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	1.7, 20.5
LAMPS INSIDE	1	$\eta$ up (%)	3.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	230	$\eta$ down (%)	40.6	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 04 January 2023

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.340m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	265.5	266.0	267.3	268.7	269.9	269.5	268.1	266.6	0- 10	25.73	25.73	2.71,1.19
20	251.6	252.5	255.1	257.9	260.6	259.8	256.7	253.8	10- 20	74.24	99.97	10.5,4.63
30	230.0	231.3	235.0	239.1	243.2	241.9	237.3	233.2	20- 30	114.0	213.9	22.5,9.9
40	201.4	203.0	207.5	212.6	218.1	216.3	210.4	205.5	30- 40	140.0	353.9	37.3,16.4
50	166.5	168.8	173.7	179.5	186.0	183.9	176.9	171.4	40- 50	149.1	503.1	53,23.3
60	126.5	129.4	135.1	140.9	148.2	145.7	137.9	132.1	50- 60	140.4	643.5	67.8,29.8
70	83.64	86.74	92.43	97.91	105.5	102.8	95.16	89.34	60- 70	114.7	758.1	79.9,35.1
80	43.73	46.26	50.85	55.40	61.93	59.62	53.33	48.49	70- 80	76.92	835.0	88,38.7
90	24.22	25.26	25.74	27.88	31.10	30.08	26.74	25.77	80- 90	41.26	876.3	92.3,40.6
100	22.53	22.87	19.70	22.60	23.98	24.11	16.93	22.14	90-100	25.48	901.8	95,41.7
110	22.84	22.26	21.61	21.82	24.04	23.01	20.38	20.05	100-110	22.99	924.8	97.4,42.8
120	22.61	22.17	22.07	21.93	23.69	22.50	19.80	21.19	110-120	21.69	946.5	99.7,43.8
130	0	0	0	0	0	0	0	0	120-130	2.563	949.0	100,43.9
140	0	0	0	0	0	0	0	0	130-140	0	949.0	100,43.9
150	0	0	0	0	0	0	0	0	140-150	0	949.0	100,43.9
160	0	0	0	0	0	0	0	0	150-160	0	949.0	100,43.9
170	0	0	0	0	0	0	0	0	160-170	0	949.0	100,43.9
180	0	0	0	0	0	0	0	0	170-180	0	949.0	100,43.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 428.5 lm

%lum = 45.2%  
%lamp = 19.8%

Conical surface Flux(130deg): 704.95 lm

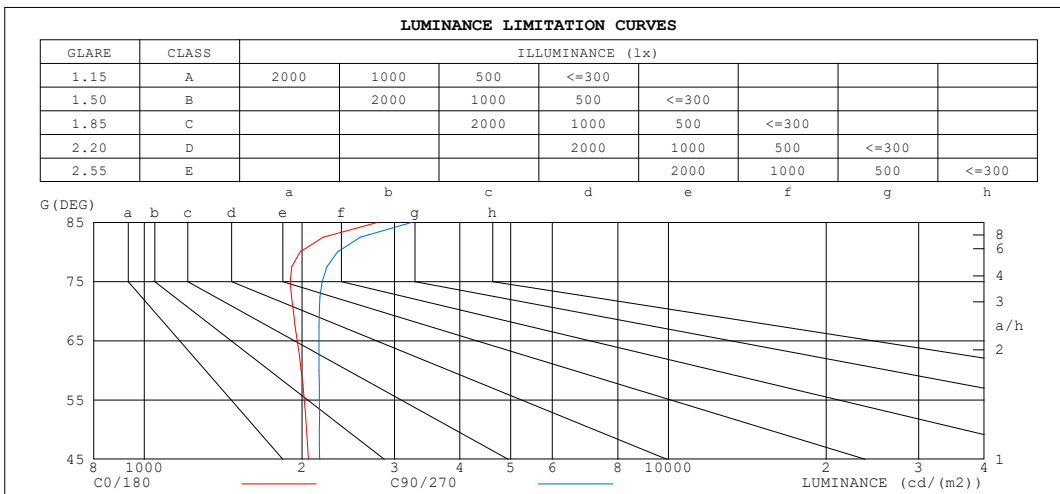
%lum = 74.3%  
%lamp = 32.6%

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:04 January 2023

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.340m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:



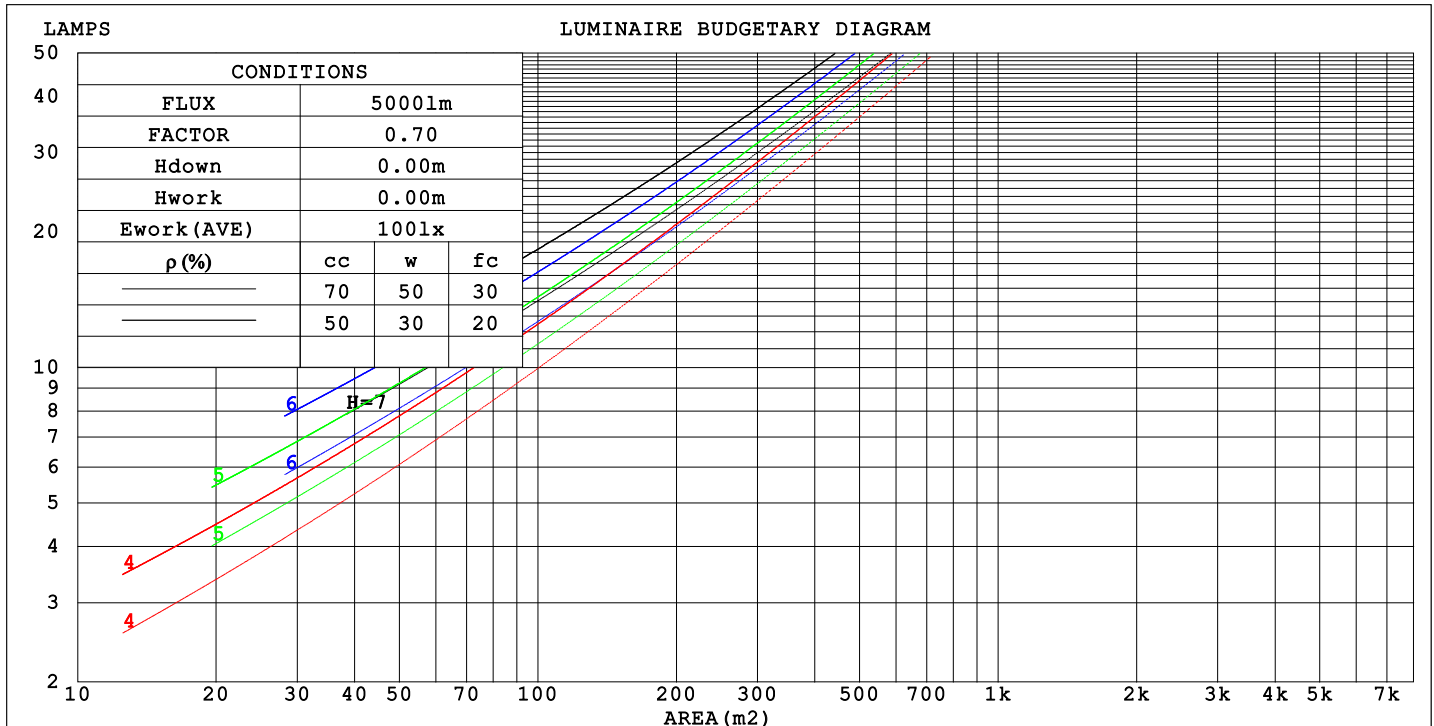
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 04 January 2023

γ Range: 0 - 120DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.340m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.340m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.151	.086	.027	.147	.084	.027	.139	.080	.025	.132	.076	.024	.125	.073	.023	
2.0	.137	.075	.023	.133	.073	.023	.126	.070	.022	.119	.067	.021	.114	.064	.020	
3.0	.124	.066	.020	.121	.065	.019	.115	.062	.019	.109	.060	.018	.103	.057	.018	
4.0	.113	.059	.017	.110	.058	.017	.105	.055	.017	.099	.053	.016	.095	.051	.016	
5.0	.104	.053	.015	.101	.052	.015	.096	.050	.015	.091	.048	.014	.087	.046	.014	
6.0	.096	.048	.014	.093	.047	.014	.089	.046	.013	.085	.044	.013	.081	.042	.013	
7.0	.089	.044	.012	.087	.043	.012	.082	.042	.012	.079	.040	.012	.075	.039	.011	
8.0	.083	.040	.011	.081	.040	.011	.077	.038	.011	.073	.037	.011	.070	.036	.010	
9.0	.077	.037	.010	.075	.037	.010	.072	.036	.010	.069	.034	.010	.066	.033	.010	
10.0	.072	.035	.010	.071	.034	.010	.068	.033	.009	.065	.032	.009	.062	.031	.009	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.109	.109	.109	.093	.093	.093	.064	.064	.064	.037	.037	.037	.012	.012	.012	
1.0	.106	.094	.084	.091	.081	.072	.062	.056	.050	.036	.032	.029	.011	.010	.009	
2.0	.103	.084	.068	.088	.072	.059	.060	.050	.041	.035	.029	.024	.011	.009	.008	
3.0	.099	.076	.058	.085	.066	.050	.059	.046	.035	.034	.027	.021	.011	.009	.007	
4.0	.096	.071	.051	.082	.061	.045	.057	.043	.031	.033	.025	.019	.011	.008	.006	
5.0	.093	.066	.047	.080	.057	.041	.055	.040	.029	.032	.024	.017	.010	.008	.006	
6.0	.090	.063	.043	.077	.054	.038	.053	.038	.027	.031	.022	.016	.010	.007	.005	
7.0	.087	.060	.041	.074	.052	.036	.051	.036	.025	.030	.021	.015	.010	.007	.005	
8.0	.084	.057	.039	.072	.050	.034	.050	.035	.024	.029	.021	.014	.009	.007	.005	
9.0	.081	.055	.038	.070	.048	.033	.048	.034	.023	.028	.020	.014	.009	.007	.005	
10.0	.078	.053	.036	.068	.046	.032	.047	.033	.023	.027	.019	.013	.009	.006	.004	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.340m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

NAME: 95NEOS18LED					TYPE:			WEIGHT: 1			
SPEC.:					DIM.: 380 x 55			SERIAL No.: 0			
MFR.: Elmark Industries JSC					SUR.: cilinder			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	12.0	13.5	12.4	13.8	14.2	12.3	13.8	12.7	14.1	14.5
	3H	13.6	15.0	14.1	15.4	15.8	14.1	15.4	14.5	15.8	16.2
	4H	14.4	15.6	14.8	16.0	16.4	14.9	16.1	15.3	16.5	17.0
	6H	15.0	16.2	15.4	16.6	17.0	15.6	16.8	16.0	17.2	17.6
	8H	15.2	16.4	15.7	16.8	17.3	15.9	17.1	16.3	17.5	17.9
	12H	15.5	16.7	16.0	17.1	17.6	16.2	17.4	16.7	17.8	18.3
4H	2H	12.7	14.0	13.1	14.3	14.8	12.9	14.2	13.3	14.6	15.0
	3H	14.5	15.6	15.0	16.1	16.5	14.8	16.0	15.3	16.4	16.9
	4H	15.3	16.4	15.8	16.8	17.3	15.8	16.8	16.3	17.3	17.8
	6H	16.1	17.0	16.6	17.5	18.0	16.6	17.6	17.2	18.1	18.6
	8H	16.4	17.3	17.0	17.8	18.3	17.1	17.9	17.6	18.4	19.0
	12H	16.8	17.6	17.4	18.1	18.7	17.5	18.3	18.0	18.8	19.4
8H	4H	15.7	16.5	16.2	17.0	17.6	16.1	16.9	16.6	17.4	18.0
	6H	16.6	17.4	17.2	17.9	18.5	17.1	17.9	17.7	18.4	19.0
	8H	17.1	17.8	17.7	18.3	18.9	17.7	18.3	18.3	18.9	19.5
	12H	17.7	18.2	18.3	18.8	19.5	18.3	18.9	18.9	19.5	20.1
12H	4H	15.7	16.5	16.3	17.0	17.6	16.1	16.9	16.6	17.4	18.0
	6H	16.8	17.4	17.3	18.0	18.6	17.2	17.9	17.8	18.4	19.0
	8H	17.3	17.9	17.9	18.5	19.1	17.9	18.4	18.5	19.0	19.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 2160 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)  
Area: 0.1256 m2

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.340m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

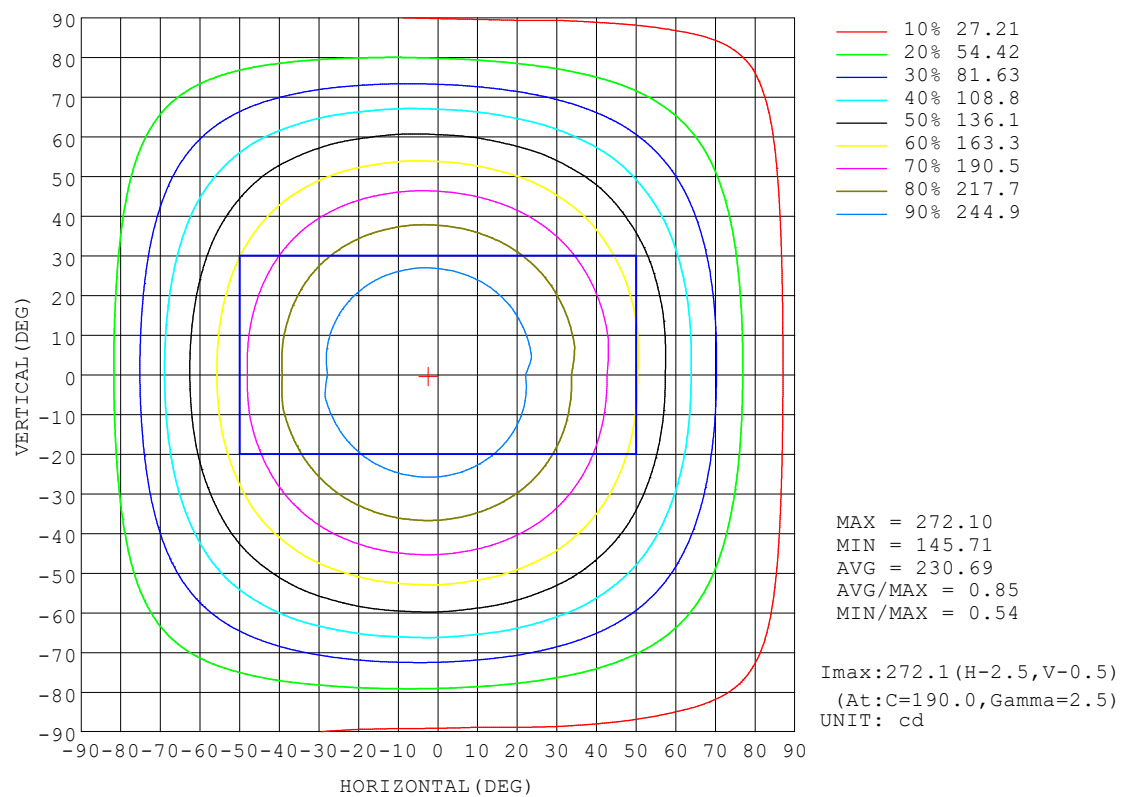
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	23	18	15	23	18	15	22	18	15	12
0.80	27	22	19	27	22	19	26	21	18	15
1.00	31	26	22	30	25	22	29	26	22	18
1.25	34	29	26	33	29	25	32	28	25	21
1.50	36	32	28	36	31	28	34	30	27	23
2.00	40	35	32	39	35	32	37	33	31	27
2.50	41	37	34	40	37	34	38	35	33	28
3.00	43	39	37	42	39	36	39	37	35	30
4.00	45	42	40	44	41	39	41	39	37	32
5.00	46	44	41	45	42	40	42	40	39	34
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.340m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:



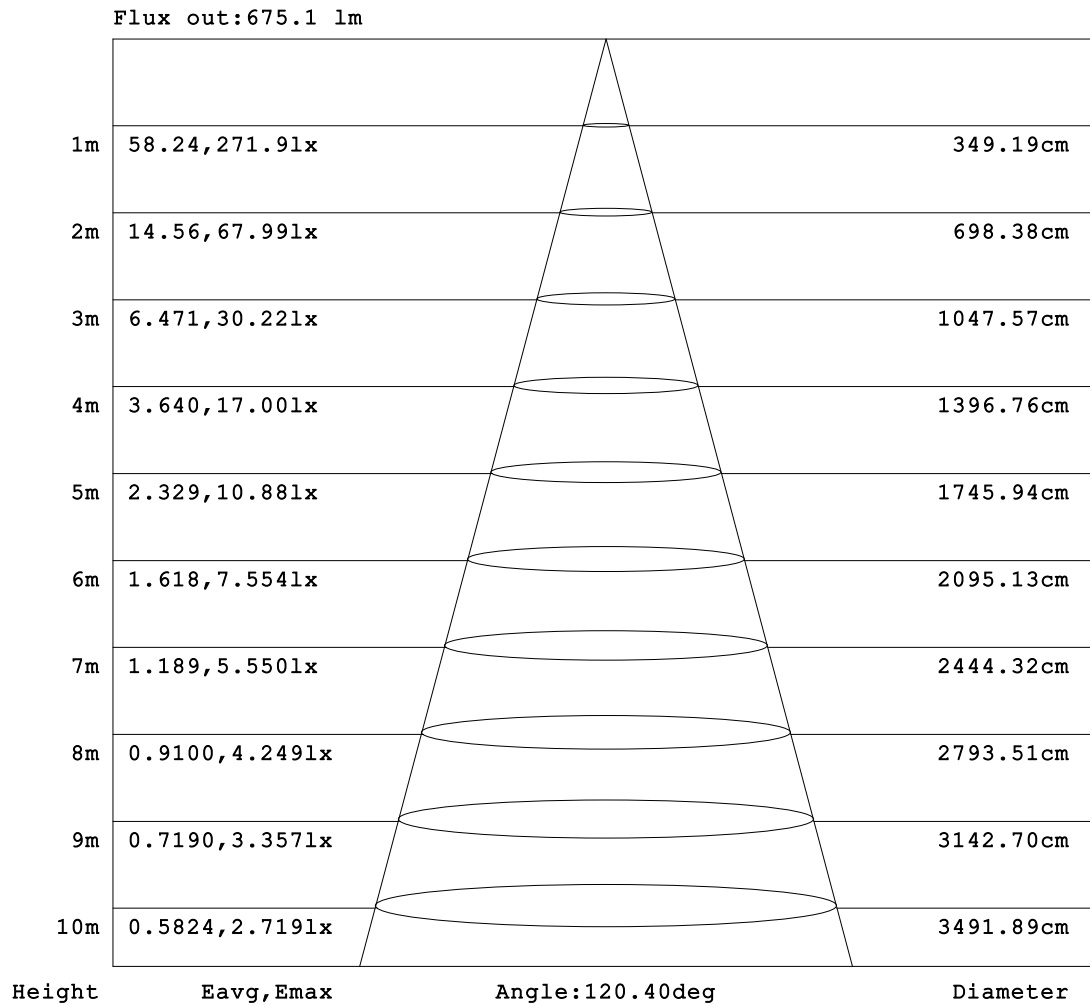
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3°C  
 Operators:  
 Test Date:04 January 2023

γ Range: 0 - 120DEG  
 γ Interval: 2.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity:65.0%  
 Test Distance:6.340m [K=1.0000]  
 Remarks:



AAI Figure

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:



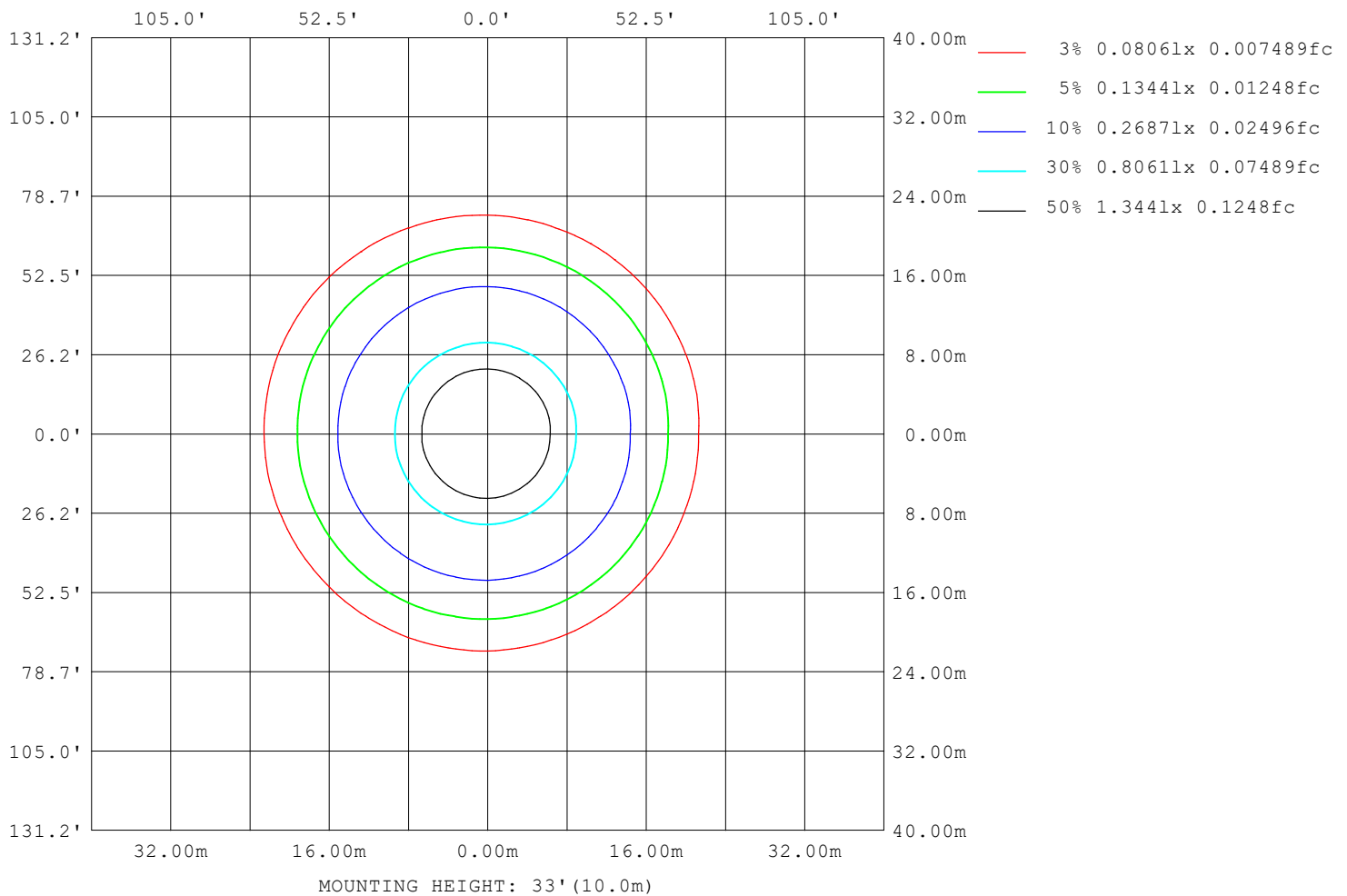
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.340m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.340m [K=1.0000]  
Remarks:

### LED Avg.L Report

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

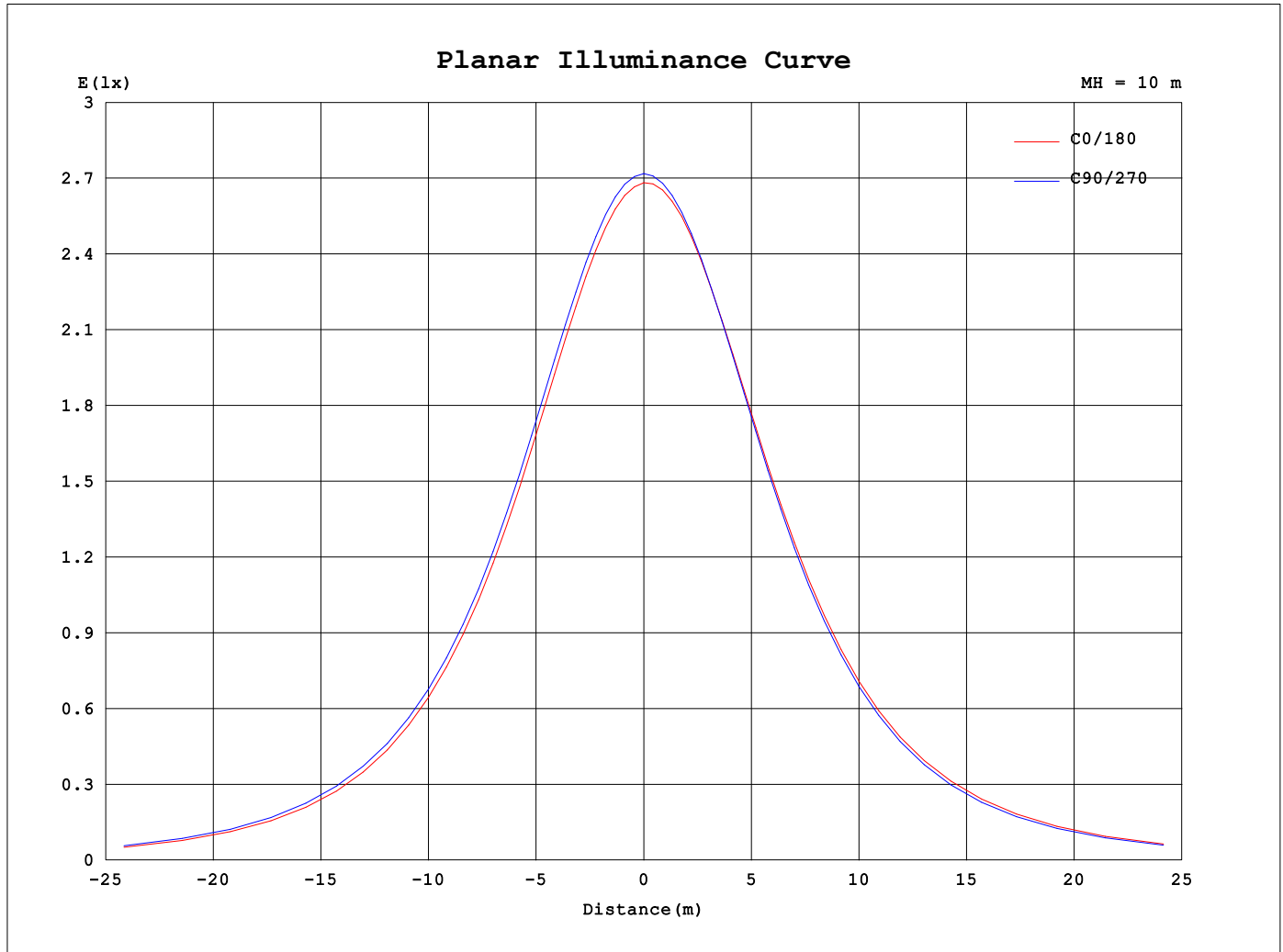
AvgL	cd/m2
L_0~180 (65) av	2190
L_0~180 (75) av	2241
L_0~180 (85) av	3395
L_90~270 (65) av	2176
L_90~270 (75) av	2224
L_90~270 (85) av	3309
L_45 (65) av	2184
L_45 (75) av	2233
L_45 (85) av	3349

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:04 January 2023

γ Range: 0 - 120DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.340m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 04 January 2023

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.340m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271
5	269	269	269	269	270	270	270	270	270	270	270	270	271	271	271	271	271	271	271
10	265	265	266	266	266	266	266	267	267	267	268	268	268	269	269	269	269	270	270
15	259	259	260	260	260	260	261	261	262	262	263	263	264	264	265	265	265	266	266
20	252	251	252	252	252	253	253	254	254	255	256	256	257	258	258	259	259	260	261
25	242	241	242	242	242	243	244	244	245	246	247	248	248	249	250	251	251	252	253
30	230	230	230	230	231	232	232	233	234	235	236	237	238	239	240	240	241	242	243
35	217	216	217	217	218	218	219	220	221	222	223	224	225	226	227	228	229	230	232
40	201	201	201	202	203	203	204	205	206	208	209	210	211	212	213	214	216	217	218
45	185	184	185	185	186	187	188	189	190	191	192	194	195	196	197	199	200	201	203
50	167	167	167	167	168	169	170	171	172	174	175	176	177	179	180	182	183	184	186
55	147	147	147	148	149	150	151	153	153	155	156	158	159	160	161	163	164	166	168
60	126	127	127	128	129	130	131	133	133	135	136	138	139	140	141	143	144	146	148
65	105	105	106	107	107	109	110	112	112	114	115	116	117	119	120	122	123	125	127
70	83.6	83.6	84.1	85.0	86.1	87.4	88.6	90.0	90.8	92.4	93.2	94.8	95.7	97.4	98.4	100	102	103	105
75	62.4	62.3	62.8	63.7	64.8	66.0	67.3	68.6	69.7	70.9	71.9	73.0	74.1	75.4	76.8	78.3	79.8	81.2	83.3
80	43.7	43.6	44.0	44.7	45.7	46.8	47.9	49.0	49.9	50.8	51.8	52.7	53.6	54.8	56.0	57.4	58.7	60.0	61.9
85	30.8	30.6	30.9	31.4	32.1	32.8	33.5	34.2	34.7	35.3	35.9	36.6	37.2	38.0	38.9	40.0	41.0	42.0	43.5
90	24.2	24.1	24.3	24.6	25.1	25.5	25.8	25.7	25.3	25.7	25.7	26.2	27.2	27.6	28.1	28.8	29.5	30.1	31.1
95	22.5	22.5	22.6	22.8	23.1	23.3	23.3	22.1	18.2	20.0	16.7	20.6	23.2	23.4	23.6	23.9	24.3	24.7	25.1
100	22.5	22.5	22.7	22.8	23.0	22.8	22.0	20.3	19.2	19.7	18.8	18.7	21.1	22.3	22.9	23.2	23.5	23.8	24.0
105	22.7	22.7	22.8	22.8	22.7	22.2	21.4	20.7	20.4	20.9	19.9	19.6	20.4	21.6	22.5	23.1	23.5	23.8	24.0
110	22.8	22.7	22.8	22.6	22.5	22.0	21.4	21.1	21.2	21.6	20.9	20.4	20.5	21.4	22.3	22.9	23.5	23.8	24.0
115	22.8	22.7	22.7	22.5	22.4	22.0	21.6	21.5	21.6	21.9	21.3	20.9	20.9	21.5	22.2	22.8	23.3	23.7	23.9
120	22.6	22.5	22.6	22.5	22.3	22.0	21.8	21.7	21.9	22.1	21.7	21.3	21.3	21.6	22.2	22.8	23.2	23.6	23.7
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:04 January 2023

γ Range: 0 - 120DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95NEOS18LED	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 380 x 55	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: cilinder	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271		
5	272	272	272	271	271	271	271	271	271	271	270	270	270	270	270	270	270		
10	270	270	270	270	269	269	269	269	268	268	267	267	267	266	266	266	266		
15	267	266	266	266	266	265	265	264	263	263	262	262	261	261	261	260	260		
20	261	261	261	260	260	259	258	257	257	256	255	255	254	254	253	253	252		
25	253	253	253	252	251	251	250	249	248	247	246	246	245	244	243	243	243		
30	244	243	243	242	241	240	239	238	237	236	235	234	234	233	232	232	231		
35	232	232	231	231	229	228	227	226	225	224	222	222	221	220	219	218	218		
40	219	218	218	217	216	215	213	212	210	209	208	207	206	205	204	203	203		
45	203	203	202	201	200	199	197	196	194	193	192	191	190	189	188	187	186		
50	186	186	186	185	183	182	180	179	177	176	174	173	172	171	170	169	168		
55	168	168	167	166	165	164	161	160	158	157	155	154	153	152	151	150	149		
60	148	148	147	147	145	144	141	140	138	137	135	134	132	132	130	130	128		
65	127	127	126	126	124	123	120	119	117	116	114	113	111	111	109	108	107		
70	106	106	105	104	102	101	98.5	97.2	95.2	94.0	92.3	91.3	89.8	88.8	87.5	86.5	85.3		
75	83.8	83.4	82.7	81.6	80.1	78.6	76.9	75.4	73.7	72.4	71.0	69.8	68.6	67.5	66.2	65.2	64.0		
80	62.3	62.0	61.3	60.3	58.9	57.6	56.1	54.9	53.3	52.3	51.1	50.1	49.0	48.0	46.9	46.1	45.0		
85	43.8	43.7	43.1	42.3	41.2	40.2	39.0	38.2	37.1	36.5	35.7	35.0	34.3	33.6	32.8	32.3	31.6		
90	31.3	31.3	30.9	30.4	29.8	29.1	28.3	27.2	26.7	26.4	26.1	26.4	25.9	25.6	25.1	24.9	24.5		
95	25.4	25.5	25.4	25.2	24.9	24.5	23.2	18.5	20.2	17.4	21.3	23.1	23.0	22.8	22.7	22.5	22.5		
100	24.3	24.4	24.5	24.3	23.9	22.9	20.6	17.8	16.9	16.3	17.3	20.4	21.9	22.4	22.4	22.4	22.4		
105	24.3	24.3	24.3	23.9	23.1	21.7	19.8	19.7	18.8	18.3	18.6	19.3	20.7	21.6	22.2	22.3	22.5		
110	24.3	24.2	24.0	23.5	22.5	21.2	20.3	19.2	20.4	19.8	19.5	20.3	19.5	20.6	21.3	22.0	22.4		
115	24.2	24.0	23.7	23.1	22.3	21.1	20.6	19.4	19.6	20.5	20.4	20.6	21.0	20.2	20.5	21.3	22.2		
120	23.9	23.6	23.3	22.9	22.1	21.3	20.7	20.2	19.8	20.2	20.6	20.8	21.0	21.4	20.5	20.3	21.6		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:04 January 2023

γ Range: 0 - 120DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: