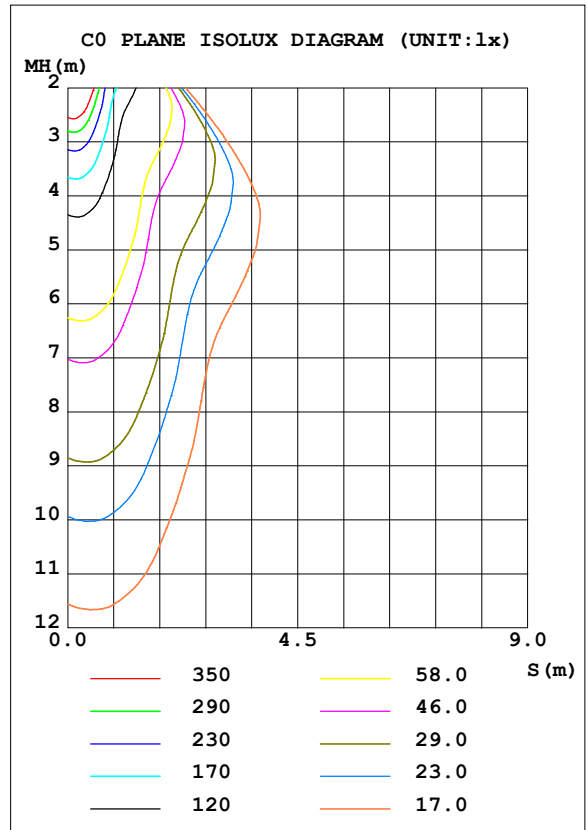
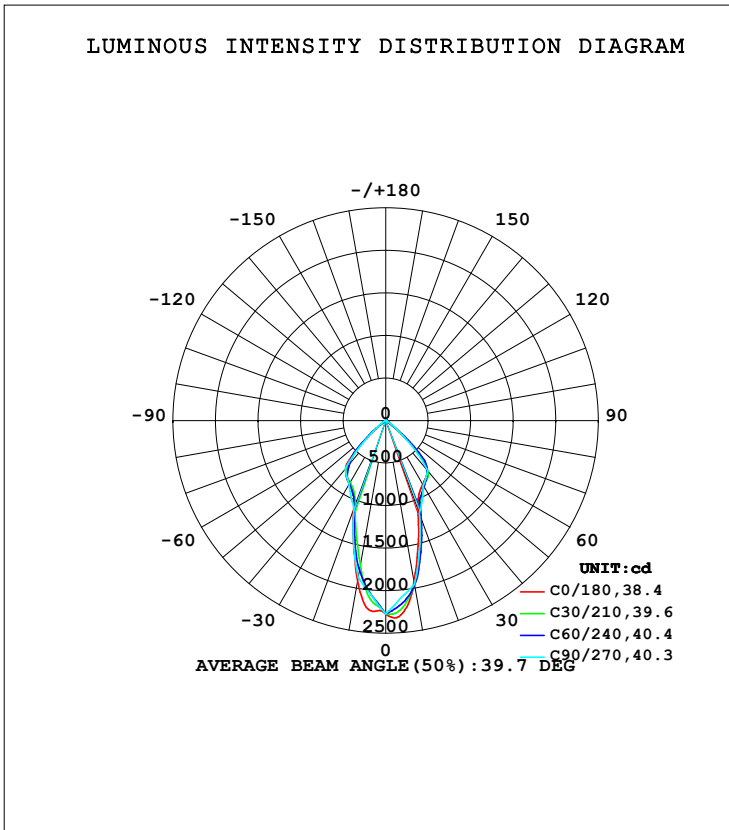


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.24 lm/W			
MODEL	LED	I <sub>max</sub> (cd)	2320	S/MH (C0/180)	0.62
NOMINAL POWER (W)	21.3684	LOR (%)	100.0	S/MH (C90/270)	0.62
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1992.4	η UP, DN (C0-180)	0.0,50.8
NOMINAL FLUX (lm)	1992.42	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,49.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	0.70



H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270498 RAY SPOT (AYS)

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

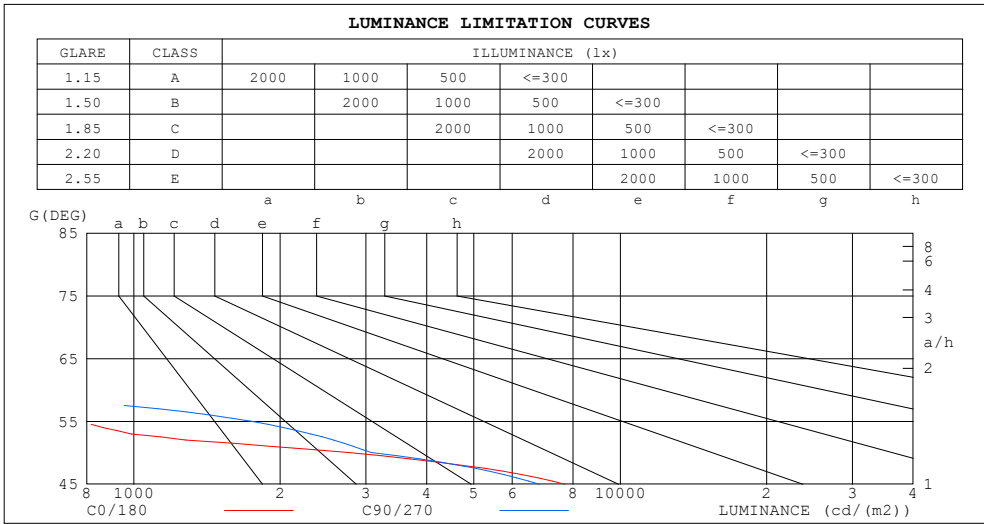
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1924	1947	1954	1776	1914	1748	1872	1884	0- 10	195.3	195.3	9.8,9.8
20	1115	1262	1162	1092	1106	1075	1089	1200	10- 20	409.1	604.4	30.3,30.3
30	871.7	891.2	883.5	866.9	857.3	850.8	861.4	862.3	20- 30	444.5	1049	52.6,52.6
40	758.2	758.0	768.9	730.9	735.8	715.0	743.2	728.0	30- 40	506.7	1556	78.1,78.1
50	178.1	248.4	197.8	123.8	125.1	131.1	139.7	162.2	40- 50	368.5	1924	96.6,96.6
60	5.726	3.179	2.744	4.288	3.222	13.23	14.60	13.84	50- 60	55.53	1980	99.4,99.4
70	1.399	1.521	1.515	1.816	1.602	7.313	7.894	7.352	60- 70	5.680	1985	99.6,99.6
80	3.568	2.995	3.422	3.263	3.547	6.988	7.410	6.993	70- 80	4.489	1990	99.9,99.9
90	0.1190	0	0	0	0.0999	0	0	0	80- 90	2.564	1992	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**LUMINANCE LIMITATION CURVES**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	194	0
80	205	197
75	64	96
70	41	44
65	53	50
60	115	55
55	769	1742
50	2770	3077
45	7704	6826

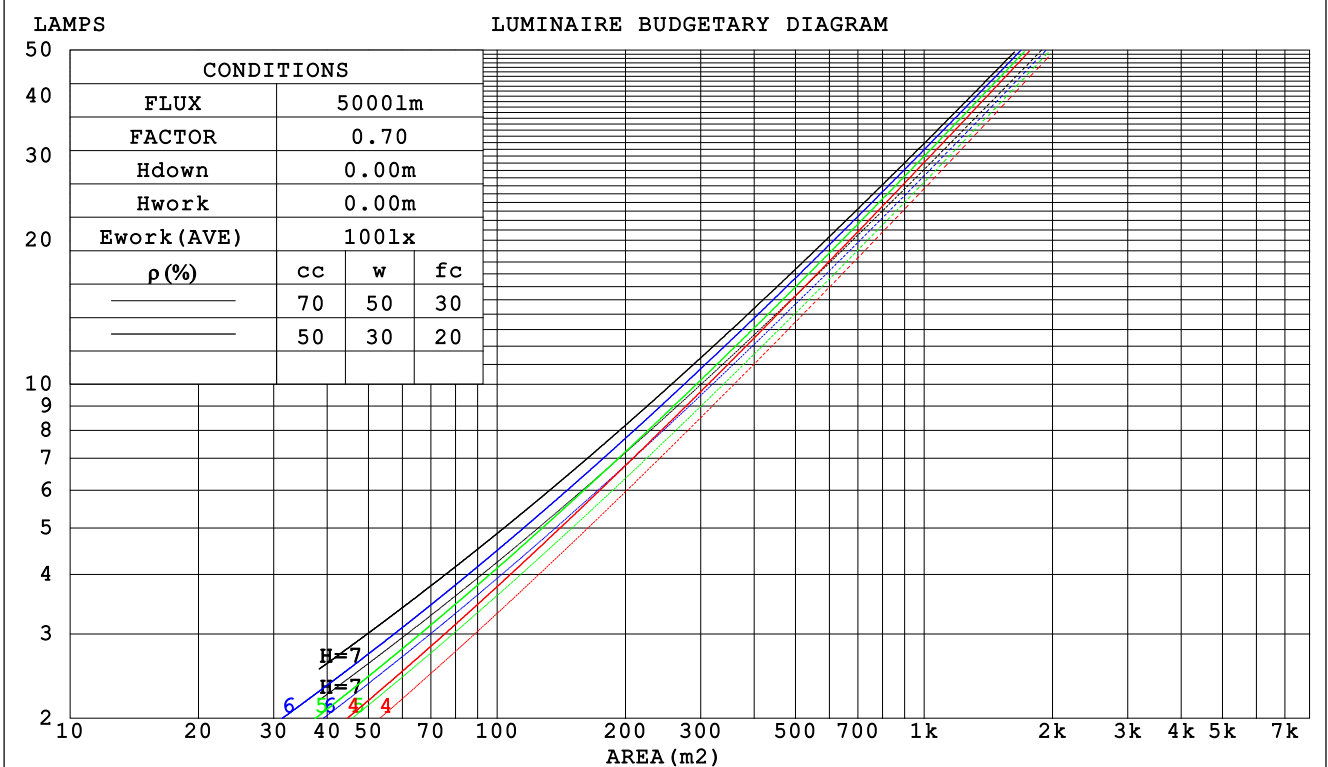
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.87	.83	.92	.86	.82	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.86	.80	.75	.85	.79	.74	.82	.77	.73	.80	.76	.73	.78	.75	.72	.70
5.0	.79	.73	.68	.78	.72	.68	.76	.71	.67	.75	.70	.66	.73	.69	.66	.64
6.0	.74	.67	.62	.73	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.60	.59
7.0	.68	.62	.57	.68	.61	.57	.66	.61	.56	.65	.60	.56	.64	.59	.56	.54
8.0	.64	.57	.53	.63	.57	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.50
9.0	.60	.53	.49	.59	.53	.49	.58	.52	.48	.57	.52	.48	.56	.52	.48	.47
10.0	.56	.50	.45	.55	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

WEC AND CCEC

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.197	.112	.035	.190	.108	.034	.177	.102	.032	.165	.095	.031	.155	.090	.029	
2.0	.191	.104	.032	.185	.102	.031	.174	.097	.030	.164	.092	.029	.155	.088	.028	
3.0	.183	.097	.029	.178	.095	.029	.169	.091	.028	.160	.088	.027	.152	.084	.026	
4.0	.175	.091	.027	.170	.089	.026	.162	.086	.026	.155	.083	.025	.148	.080	.024	
5.0	.166	.085	.025	.163	.084	.024	.156	.081	.024	.149	.079	.023	.143	.076	.023	
6.0	.159	.080	.023	.155	.078	.023	.149	.076	.022	.143	.074	.022	.138	.072	.022	
7.0	.151	.075	.021	.148	.074	.021	.143	.072	.021	.138	.070	.021	.133	.069	.020	
8.0	.144	.071	.020	.142	.070	.020	.137	.068	.020	.132	.067	.019	.128	.065	.019	
9.0	.138	.067	.019	.136	.066	.019	.131	.065	.018	.127	.064	.018	.123	.062	.018	
10.0	.132	.063	.018	.130	.063	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.087	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.069	.119	.086	.060	.082	.060	.042	.047	.035	.025	.015	.011	.008	
5.0	.131	.088	.057	.112	.076	.049	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.124	.079	.047	.106	.068	.041	.073	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.101	.062	.035	.070	.044	.025	.041	.026	.015	.013	.008	.005	
8.0	.112	.066	.034	.096	.057	.030	.067	.040	.021	.039	.024	.013	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.036	.020	.010	.012	.007	.003	

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**UGR(Unified Glare Rating) Table**

NAME: 2406270498 RAY SPOT (AYS)					TYPE:RAY SPOT ARMATUR					WEIGHT:0,630kg				
SPEC.:					DIM.: 260X120X172mm					SERIAL No.:				
MFR.: PELSAN					SUR.:					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	13.7	14.8	13.9	14.9	15.1	13.4	14.5	13.6	14.7	14.8				
3H	13.5	14.5	13.8	14.7	14.9	13.2	14.2	13.5	14.4	14.6				
4H	13.4	14.3	13.7	14.6	14.8	13.1	14.1	13.4	14.3	14.5				
6H	13.3	14.2	13.6	14.4	14.7	13.0	13.9	13.3	14.2	14.4				
8H	13.3	14.1	13.6	14.4	14.6	13.0	13.8	13.3	14.1	14.4				
12H	13.2	14.0	13.5	14.3	14.6	12.9	13.8	13.3	14.0	14.3				
4H 2H	13.4	14.3	13.7	14.6	14.8	13.1	14.1	13.4	14.3	14.5				
3H	13.2	14.0	13.5	14.3	14.6	13.0	13.8	13.3	14.0	14.3				
4H	13.1	13.9	13.5	14.2	14.5	12.9	13.6	13.2	13.9	14.2				
6H	13.0	13.7	13.4	14.0	14.4	12.8	13.4	13.2	13.7	14.1				
8H	13.0	13.6	13.4	13.9	14.3	12.7	13.3	13.1	13.7	14.0				
12H	13.0	13.5	13.4	13.9	14.3	12.7	13.2	13.1	13.6	14.0				
8H 4H	13.0	13.6	13.4	13.9	14.3	12.7	13.3	13.1	13.7	14.0				
6H	12.9	13.4	13.3	13.8	14.2	12.6	13.1	13.1	13.5	13.9				
8H	12.9	13.3	13.3	13.7	14.1	12.6	13.0	13.0	13.4	13.9				
12H	12.8	13.2	13.3	13.6	14.1	12.5	12.9	13.0	13.3	13.8				
12H 4H	12.9	13.5	13.4	13.8	14.2	12.7	13.2	13.1	13.6	14.0				
6H	12.9	13.3	13.3	13.7	14.1	12.6	13.0	13.0	13.4	13.9				
8H	12.8	13.2	13.3	13.6	14.1	12.5	12.9	13.0	13.3	13.8				
Variations with the observer position at spacings:														
S = 1.0H	+ 3.0 / -14.0					+ 2.9 / -11.1								
1.5H	+ 2.5 / -10.4					+ 2.4 / -13.1								
2.0H	+ 7.1 / -15.0					+ 6.0 / -16.0								

CIE Pub.117, 1992 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.4)  
 Area: 0.1 m2

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270498 RAY SPOT (AYS)

**UTILIZATION FACTORS TABLE**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

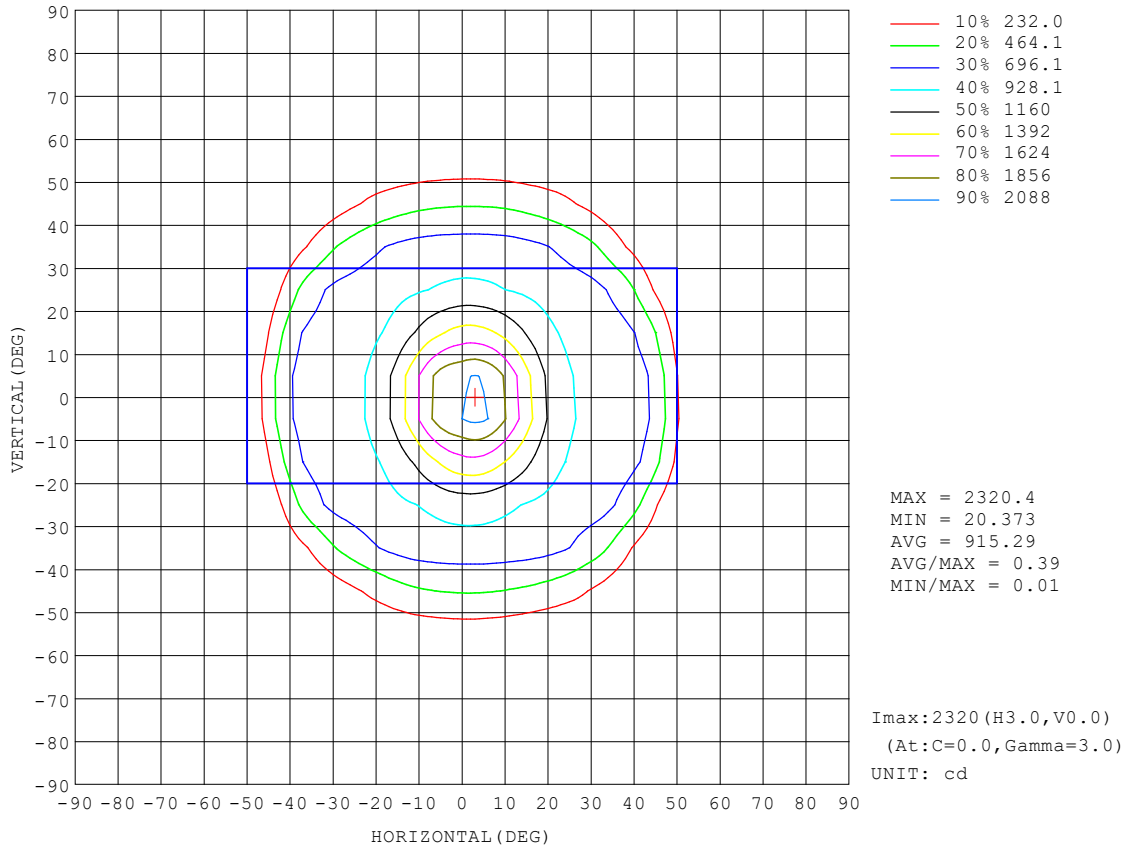
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	78	69	65	77	69	65	76	69	64	60
0.80	87	79	74	86	79	74	85	78	74	69
1.00	93	86	82	92	86	81	91	86	81	76
1.25	99	92	88	97	92	87	95	90	87	82
1.50	102	96	92	101	95	92	98	94	90	85
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	101	105	102	99	93
4.00	112	109	106	110	107	105	106	104	102	94
5.00	113	111	108	111	109	107	107	105	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**ISOCANDELA DIAGRAM**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:



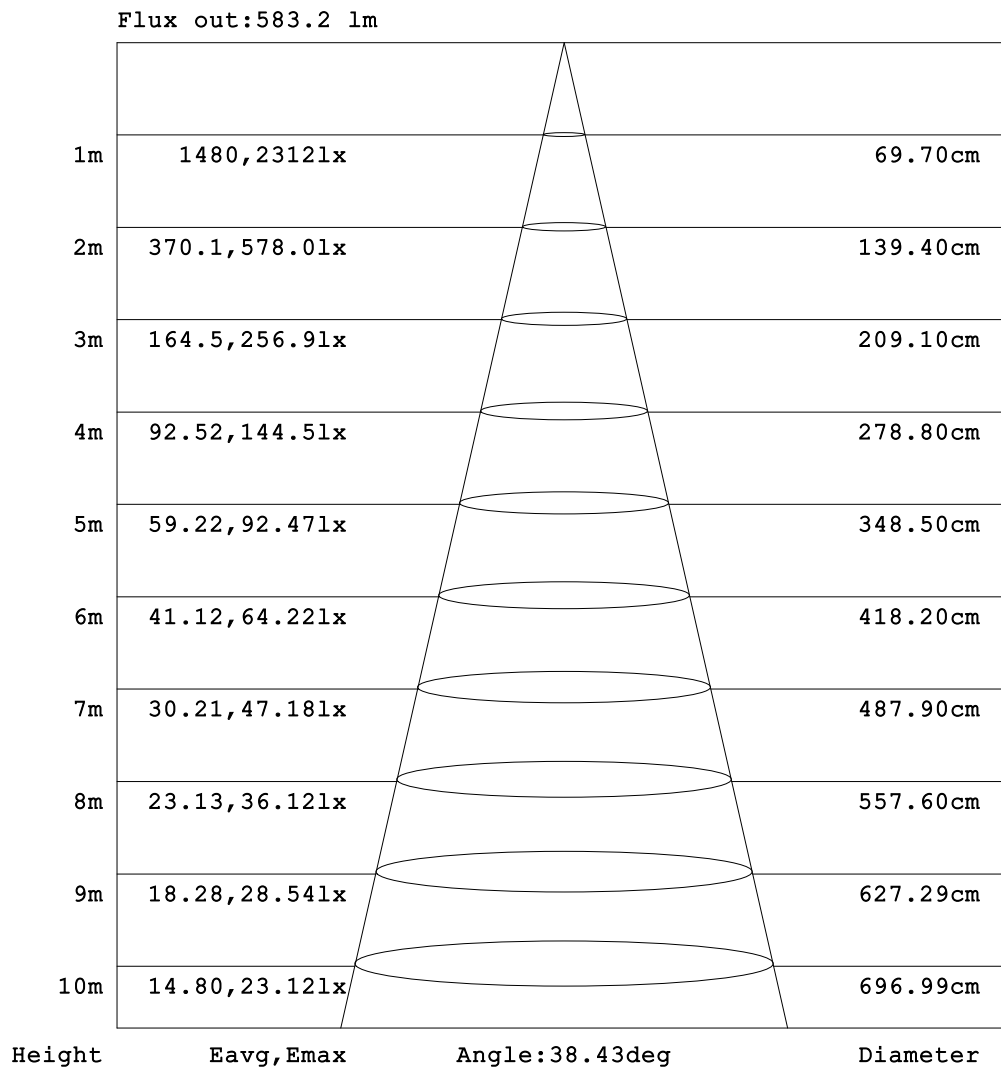
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270498 RAY SPOT (AYS)



**AAI Figure**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:



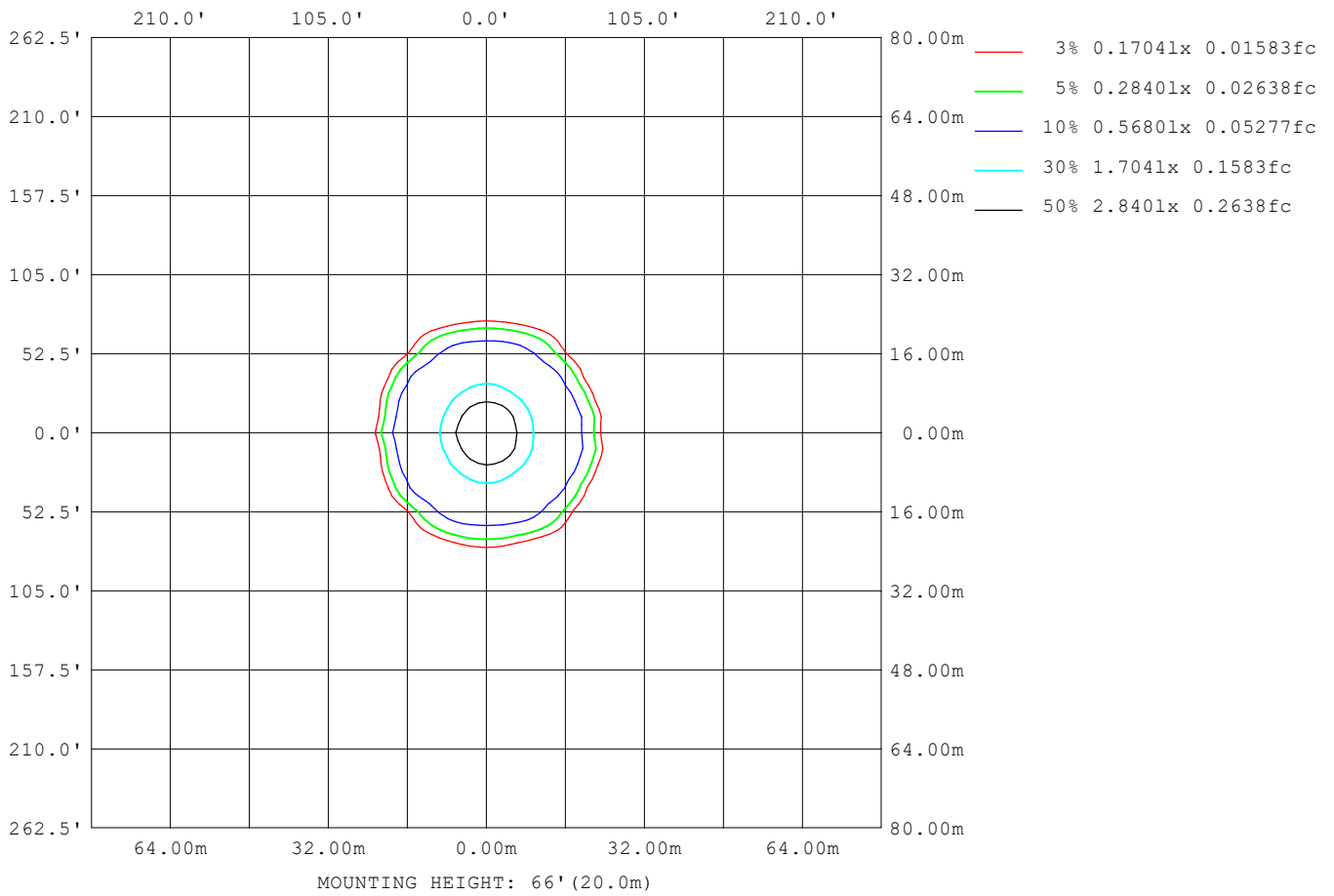
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**ISOLUX DIAGRAM**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270498 RAY SPOT (AYS)

**LED Avg.L Report**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

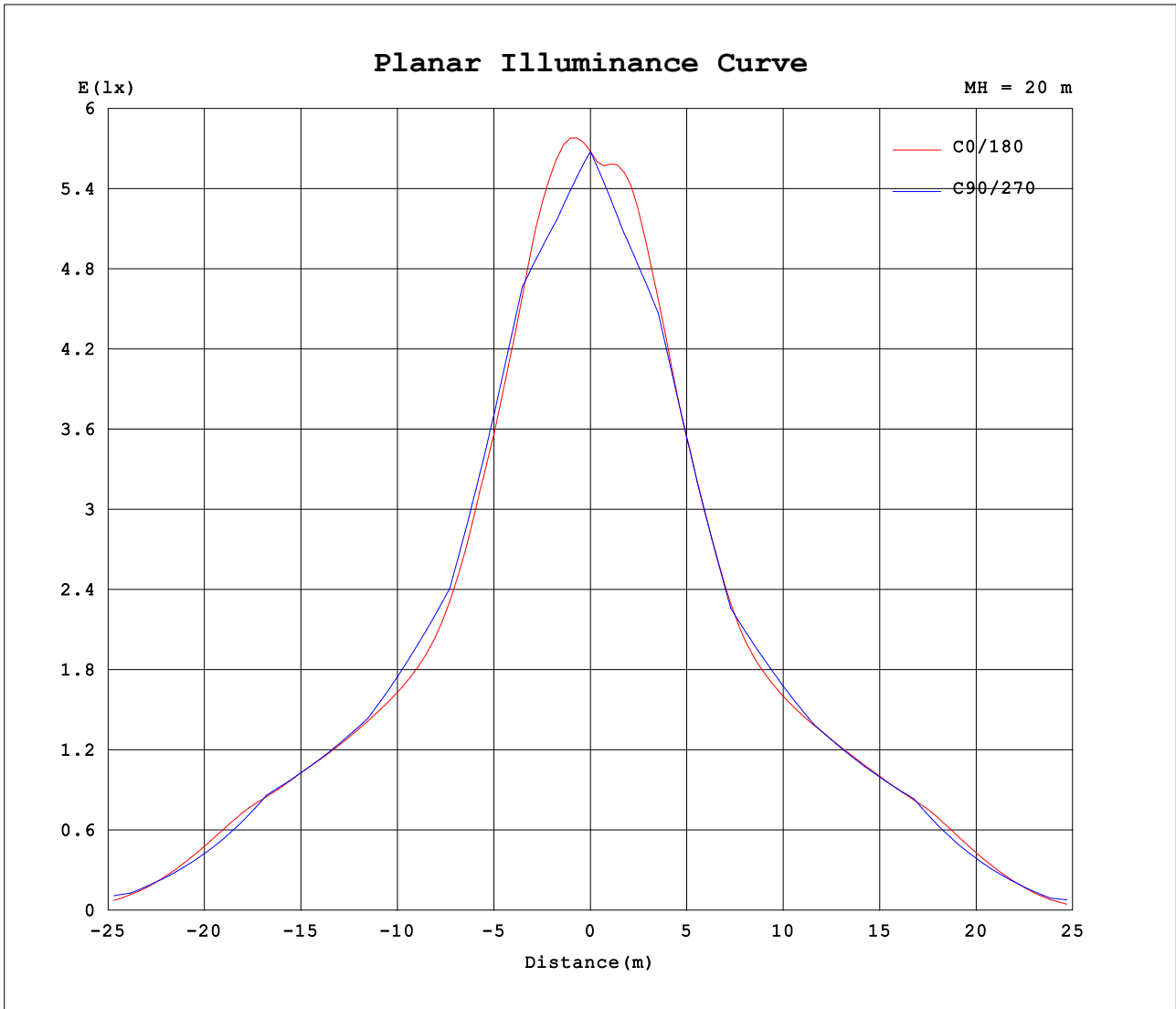
AvgL	cd/m2
L_0~180 (65) av	50
L_0~180 (75) av	74
L_0~180 (85) av	221
L_90~270 (65) av	158
L_90~270 (75) av	196
L_90~270 (85) av	0
L_45 (65) av	137
L_45 (75) av	168
L_45 (85) av	259

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

**Planar Illuminance Curve**



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:H.ÇAM  
 Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.810m [K=1.0000]  
 Remarks: 2406270498 RAY SPOT (AYS)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272
5	2274	2262	2250	2240	2230	2222	2214	2207	2199	2190	2181	2172	2160	2150	2138	2125	2113	2100	2089
10	1924	1918	1918	1924	1933	1945	1956	1950	1947	1947	1949	1955	1962	1966	1968	1970	1969	1964	1954
15	1486	1494	1510	1534	1559	1560	1567	1577	1592	1597	1598	1597	1598	1601	1600	1592	1580	1564	1547
20	1115	1131	1158	1184	1186	1194	1210	1231	1252	1262	1256	1239	1221	1203	1189	1179	1171	1166	1162
25	938	948	963	967	970	978	992	1010	1009	995	969	967	980	995	1008	1019	1025	1025	1021
30	872	880	887	888	891	895	896	892	887	891	896	899	900	901	901	897	891	886	884
35	823	833	839	841	846	848	846	838	839	845	846	842	834	832	831	831	830	828	826
40	758	775	778	783	783	771	769	776	770	758	754	756	762	768	771	771	771	770	769
45	545	637	631	637	593	593	566	572	583	569	564	596	606	579	544	515	498	488	483
50	178	270	271	262	238	242	210	272	260	248	309	320	286	240	208	195	192	196	198
55	44.1	52.3	56.9	43.4	56.7	41.1	63.4	55.2	51.3	94.9	99.2	55.6	33.0	37.7	57.4	78.9	92.6	99.5	99.9
60	5.73	7.06	11.1	8.78	4.35	13.0	5.77	18.8	11.1	3.18	12.4	16.8	14.7	13.1	14.5	13.4	8.90	4.53	2.74
65	2.25	2.60	2.16	1.99	2.20	2.11	2.12	1.69	1.95	2.05	2.67	1.80	1.91	1.98	2.04	2.09	2.13	2.14	2.13
70	1.40	1.43	1.37	1.36	1.38	1.33	1.37	1.39	1.41	1.52	1.56	1.60	1.59	1.56	1.54	1.54	1.52	1.52	1.52
75	1.66	1.44	1.45	1.63	1.72	1.64	1.69	1.93	1.89	1.69	1.72	1.91	2.04	2.14	2.23	2.31	2.38	2.44	2.48
80	3.57	3.23	3.19	3.42	3.29	3.31	3.40	3.08	2.96	2.99	3.13	3.26	3.30	3.29	3.28	3.28	3.33	3.37	3.42
85	1.69	3.04	3.25	3.25	2.70	3.52	3.58	2.77	2.13	1.58	1.15	0.82	0.56	0.36	0.22	0.12	0.05	0.01	0.00
90	0.12	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

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Temperature:25DEG	Humidity:65.0%
Operators:H.ÇAM	Test Distance:8.810m [K=1.0000]
Test Date:14.06.2024	Remarks: 2406270498 RAY SPOT (AYS)

**LUMINOUS DISTRIBUTION INTENSITY DATA**

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272
5	2082	2076	2074	2074	2075	2076	2080	2084	2089	2098	2109	2120	2134	2151	2170	2190	2212	2235	2210
10	1939	1921	1902	1881	1858	1835	1813	1794	1776	1760	1746	1734	1748	1768	1794	1828	1868	1914	1866
15	1529	1512	1493	1476	1463	1453	1445	1438	1429	1416	1388	1365	1344	1328	1347	1381	1424	1475	1422
20	1159	1157	1150	1143	1135	1125	1114	1103	1092	1087	1079	1070	1051	1035	1025	1044	1072	1106	1071
25	1015	1004	991	978	966	954	945	939	933	922	911	911	910	906	899	897	909	922	907
30	885	889	890	889	885	880	873	869	867	869	863	853	849	853	851	845	848	857	846
35	825	823	821	818	814	817	830	823	814	807	810	812	797	790	797	789	791	808	790
40	767	764	759	747	717	688	670	682	731	743	701	695	734	692	688	701	686	736	691
45	482	486	498	507	513	510	477	436	433	475	513	445	438	443	358	405	358	490	365
50	196	194	195	195	199	209	207	181	124	137	165	158	109	114	70.0	65.8	58.4	125	63.8
55	95.8	87.2	73.1	53.6	31.3	21.8	31.5	40.4	21.6	15.7	18.7	14.7	16.3	13.0	14.2	9.92	10.8	16.6	13.0
60	4.40	8.37	11.8	11.7	9.00	9.01	8.54	7.91	4.29	4.40	3.71	2.61	3.52	2.83	2.64	2.51	2.60	3.22	3.52
65	2.10	2.08	2.06	2.04	2.02	1.98	1.90	2.53	2.03	2.06	2.05	1.91	1.84	1.81	1.85	1.80	1.75	1.95	2.24
70	1.53	1.56	1.59	1.62	1.66	1.72	1.75	1.80	1.82	1.70	1.76	1.83	1.72	1.66	1.65	1.59	1.62	1.60	1.99
75	2.49	2.50	2.48	2.43	2.36	2.26	2.13	2.05	2.18	2.49	2.58	2.45	2.56	2.28	2.51	2.38	2.45	2.17	2.70
80	3.45	3.53	3.56	3.58	3.59	3.52	3.38	3.27	3.26	3.37	3.52	3.79	3.71	3.63	3.55	3.57	3.54	3.55	4.14
85	0.01	0.05	0.13	0.24	0.39	0.59	0.84	1.15	1.57	2.10	2.76	3.63	3.16	2.07	3.03	2.45	1.72	2.15	3.25
90	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	0.10	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272
5	2186	2163	2142	2123	2106	2092	2079	2067	2059	2052	2046	2043	2040	2038	2039	2044	2050	2060	2072
10	1825	1790	1761	1739	1723	1731	1739	1748	1759	1771	1785	1800	1816	1832	1847	1861	1872	1876	1876
15	1377	1341	1319	1334	1354	1375	1400	1410	1416	1418	1418	1420	1425	1434	1446	1459	1473	1485	1495
20	1041	1021	1029	1041	1057	1065	1071	1075	1085	1094	1100	1103	1100	1097	1093	1091	1089	1090	1096
25	895	896	902	905	904	902	910	918	922	926	933	940	948	956	963	969	974	976	975
30	840	844	845	840	842	851	855	851	850	852	857	861	864	864	862	861	861	864	868
35	787	793	785	788	799	796	791	794	801	805	791	788	791	795	798	800	802	804	805
40	705	695	698	732	691	693	729	715	664	650	665	691	716	733	740	742	743	744	744
45	423	377	467	454	449	509	473	429	429	465	495	491	477	462	449	441	441	447	461
50	80.4	87.7	132	122	158	170	150	131	185	211	213	194	168	150	142	139	140	142	149
55	14.3	21.6	21.1	26.6	25.6	31.6	31.0	33.3	52.4	45.0	37.7	39.7	44.2	53.1	64.7	72.4	76.7	77.1	73.4
60	4.54	5.96	7.98	9.49	10.2	11.9	13.9	13.2	16.0	19.4	20.1	19.9	19.0	18.7	17.5	15.5	14.6	15.7	18.3
65	3.15	4.20	4.97	6.08	6.97	7.95	8.59	9.12	9.46	9.57	10.0	10.3	10.6	10.9	11.1	11.2	11.2	11.3	11.2
70	2.64	3.48	4.37	5.28	5.90	6.39	6.85	7.31	7.59	7.78	7.94	8.05	8.06	8.02	7.98	7.92	7.89	7.91	7.96
75	3.37	4.32	5.02	5.74	6.04	6.55	6.87	6.89	6.83	6.92	7.13	7.34	7.50	7.57	7.62	7.64	7.65	7.64	7.60
80	5.10	5.82	6.30	6.64	6.93	6.96	6.95	6.99	7.04	7.17	7.32	7.46	7.53	7.48	7.44	7.41	7.41	7.40	7.39
85	4.64	5.65	4.64	4.26	5.92	4.82	3.75	2.89	2.16	1.59	1.13	0.77	0.48	0.26	0.11	0.03	0.00	0.03	0.11
90	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

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 2406270498 RAY SPOT (AYS)	TYPE:RAY SPOT ARMATUR	WEIGHT:0,630kg
SPEC.:	DIM.: 260X120X172mm	SERIAL No.:
MFR.: PELSAN	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272	2272				
5	2084	2097	2109	2120	2133	2144	2155	2167	2179	2189	2200	2213	2226	2241	2257				
10	1875	1874	1873	1873	1875	1878	1884	1891	1902	1914	1910	1904	1902	1903	1910				
15	1503	1510	1516	1519	1519	1516	1512	1510	1507	1505	1507	1516	1501	1487	1482				
20	1109	1124	1142	1161	1179	1197	1200	1184	1166	1145	1141	1146	1154	1139	1122				
25	971	963	953	943	933	935	959	969	972	959	950	947	950	952	943				
30	870	872	873	872	871	867	862	861	869	874	875	874	875	879	875				
35	805	803	800	801	809	808	809	811	812	814	819	823	825	827	827				
40	740	726	707	694	688	693	728	736	726	724	751	758	760	767	769				
45	479	494	510	512	486	471	497	502	485	502	521	519	585	590	617				
50	160	184	220	254	261	228	162	196	221	158	193	187	213	231	248				
55	63.3	54.0	51.5	50.9	60.9	75.0	64.2	50.5	54.7	49.4	44.7	47.2	44.3	53.5	51.4				
60	20.7	22.3	24.7	27.0	26.1	15.1	13.8	19.9	19.2	12.0	13.7	9.20	9.21	10.8	7.69				
65	11.2	11.0	10.6	10.2	9.69	9.84	9.90	9.21	7.97	7.80	6.65	5.76	4.23	3.35	3.10				
70	8.02	8.08	8.08	8.06	7.93	7.71	7.35	6.85	6.53	5.96	5.16	4.45	3.53	2.60	1.93				
75	7.54	7.44	7.28	7.09	6.83	6.59	6.57	6.63	6.39	5.83	5.50	4.76	3.95	2.99	2.13				
80	7.42	7.43	7.44	7.39	7.28	7.14	6.99	6.90	6.94	7.13	6.86	6.46	5.94	5.11	4.16				
85	0.26	0.47	0.77	1.15	1.63	2.24	3.00	3.94	5.12	6.60	5.22	4.99	5.67	5.03	4.46				
90	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				

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:H.ÇAM  
Test Date:14.06.2024

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.810m [K=1.0000]  
Remarks: 2406270498 RAY SPOT (AYS)