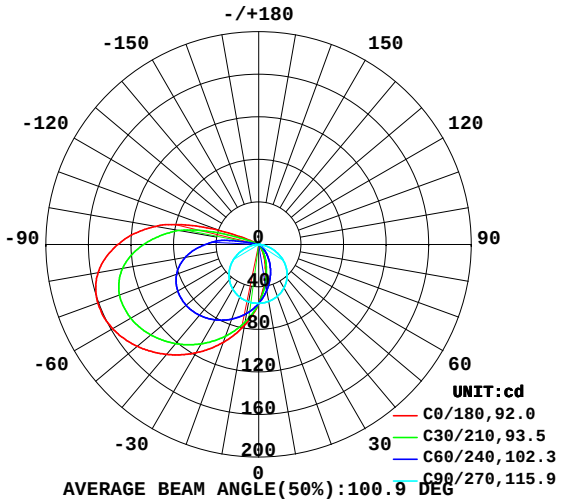
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

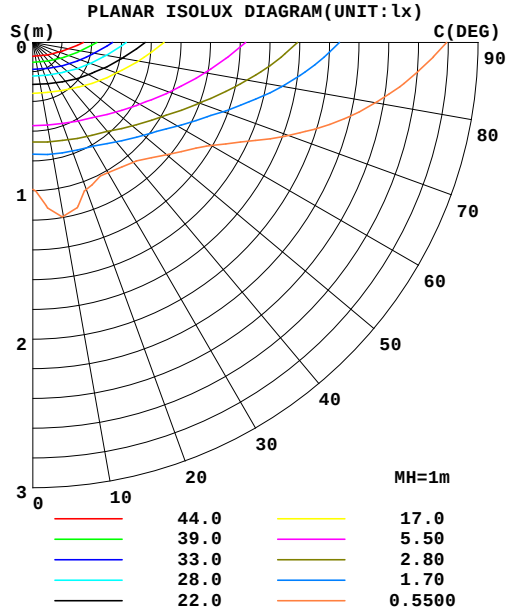
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 14.62 lm/W	
MODEL	ANNOSV-D2-24-2750-160 (IP20) (5000K)	Imax(cd)	161.1	S/MH(C0/180)	2.87
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	384.00	η UP,DN(C0-180)	4.6,33.2
NOMINAL FLUX(lm)	384	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.2,53.0
LAMPS INSIDE	1	η up(%)	13.8	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	86.2	CIBSE SHR MAX	0.20

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):100.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	34.81	40.58	54.45	70.06	77.08	69.99	54.96	40.60	0- 10	5.287	5.287	1.38,1.38
20	18.08	26.69	51.84	83.52	98.09	83.32	52.70	26.80	10- 20	15.64	20.93	5.45,5.45
30	7.282	15.42	47.52	95.32	117.7	94.99	48.74	15.61	20- 30	25.56	46.48	12.1,12.1
40	2.167	7.399	41.55	104.9	135.0	104.3	43.09	7.638	30- 40	34.94	81.42	21.2,21.2
50	1.305	2.904	33.92	111.6	149.1	110.9	35.79	3.235	40- 50	43.56	125.0	32.5,32.5
60	0.9992	0.9639	24.73	114.4	158.6	113.5	26.81	1.325	50- 60	50.59	175.6	45.7,45.7
70	0.8358	0.5058	14.61	111.5	160.9	110.9	16.75	0.9278	60- 70	54.56	230.1	59.9,59.9
80	0.7781	0.2807	5.219	101.1	153.4	100.1	7.050	0.5704	70- 80	53.79	283.9	73.9,73.9
90	0.7068	0.2090	0	81.90	132.5	79.31	0.0039	0.2180	80- 90	47.00	330.9	86.2,86.2
100	0.6111	0.1675	0	49.35	98.68	46.66	0	0.1568	90-100	35.13	366.0	95.3,95.3
110	0.5618	0.1675	0	9.813	37.55	8.412	0	0.1568	100-110	15.73	381.8	99.4,99.4
120	0.5565	0.1536	0	0	0	0	0	0.1711	110-120	2.010	383.8	99.9,99.9
130	0.4851	0.1117	0	0	0	0	0	0.1711	120-130	0.0849	383.9	100,100
140	0.3737	0.0558	0	0	0	0	0	0.1711	130-140	0.0616	383.9	100,100
150	0.2498	0.0279	0	0	0	0	0	0.1425	140-150	0.0387	384.0	100,100
160	0.1657	0.0278	0	0	0	0	0	0.0857	150-160	0.0184	384.0	100,100
170	0	0	0	0	0	0	0	0.0290	160-170	0.0045	384.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0001	384.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 102.19 lm

%lum = 26.6%
%lamp = 26.6%

Conical surface Flux(120deg): 175.57 lm

%lum = 45.7%
%lamp = 45.7%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

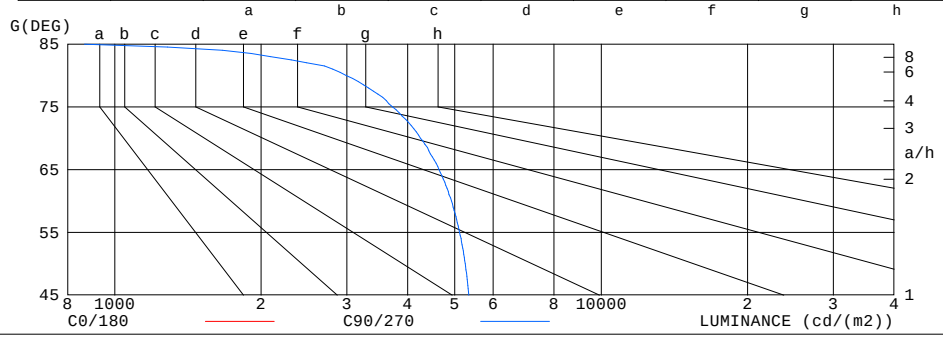
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	867	867
80	454	2992
75	313	3728
70	248	4252
65	220	4641
60	203	4924
55	192	5113
50	206	5254
45	211	5344

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

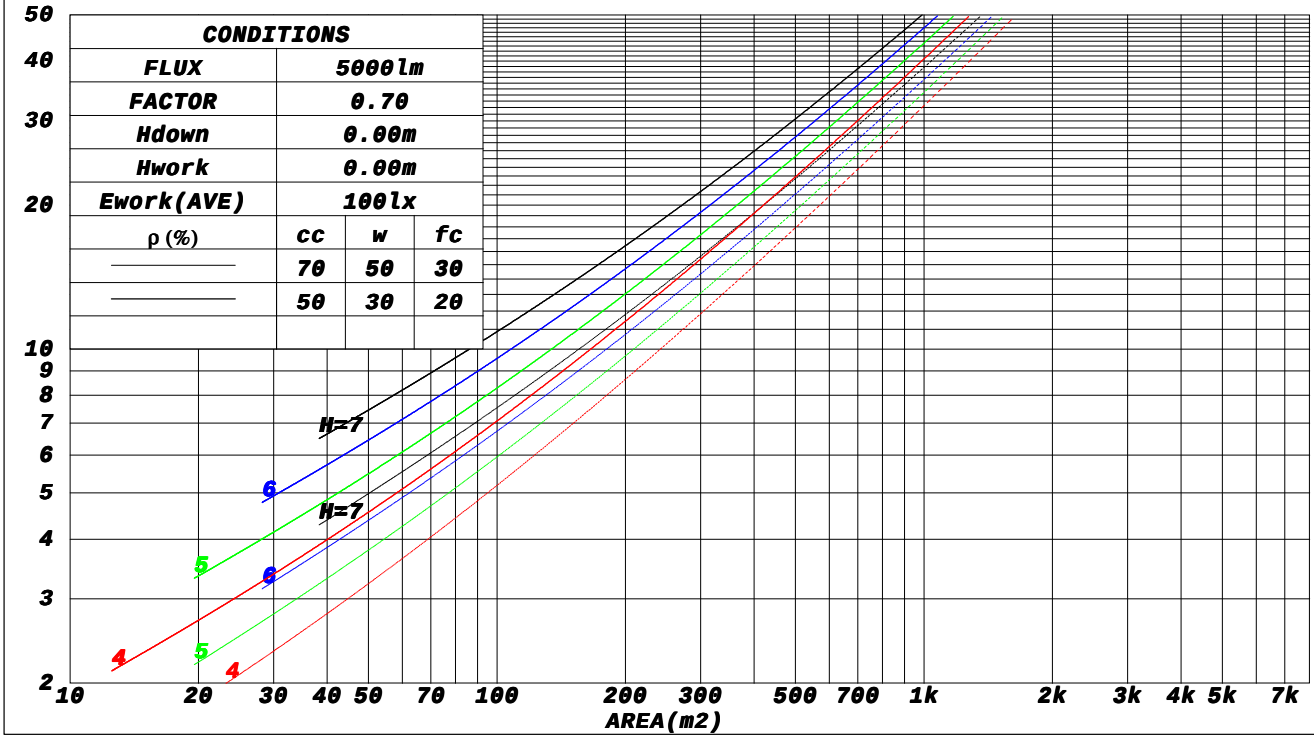
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86
1.0	.92	.86	.80	.89	.83	.77	.82	.77	.72	.75	.71	.68	.69	.66	.63	.60
2.0	.77	.68	.60	.74	.66	.59	.68	.61	.55	.62	.57	.52	.57	.53	.48	.45
3.0	.66	.56	.48	.63	.54	.46	.58	.50	.43	.53	.46	.41	.49	.43	.38	.35
4.0	.57	.47	.39	.55	.45	.38	.50	.42	.35	.46	.39	.33	.42	.36	.31	.28
5.0	.50	.40	.32	.48	.39	.31	.44	.36	.30	.41	.34	.28	.37	.31	.26	.24
6.0	.45	.35	.27	.43	.33	.27	.40	.31	.25	.37	.29	.24	.34	.27	.23	.20
7.0	.40	.30	.24	.39	.29	.23	.36	.28	.22	.33	.26	.21	.30	.24	.20	.17
8.0	.36	.27	.21	.35	.26	.20	.32	.25	.19	.30	.23	.18	.28	.22	.17	.15
9.0	.33	.24	.18	.32	.23	.18	.30	.22	.17	.28	.21	.16	.26	.20	.15	.13
10.0	.30	.22	.16	.29	.21	.16	.27	.20	.15	.25	.19	.14	.24	.18	.14	.12

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coeffcients(WEC)												
0.0																
1.0	.466	.265	.084	.454	.259	.082	.432	.248	.079	.412	.238	.076	.394	.228	.074	
2.0	.387	.212	.065	.376	.207	.064	.357	.198	.062	.338	.190	.059	.321	.182	.057	
3.0	.335	.178	.053	.326	.174	.052	.308	.167	.051	.291	.160	.049	.276	.153	.047	
4.0	.296	.154	.045	.288	.150	.044	.271	.144	.043	.256	.138	.042	.242	.132	.040	
5.0	.265	.135	.039	.258	.132	.039	.243	.127	.037	.230	.121	.036	.217	.116	.035	
6.0	.241	.121	.035	.234	.118	.034	.220	.113	.033	.208	.108	.032	.196	.103	.031	
7.0	.220	.109	.031	.214	.106	.030	.202	.102	.029	.190	.098	.028	.180	.093	.027	
8.0	.203	.099	.028	.197	.097	.027	.186	.093	.027	.175	.089	.026	.166	.085	.025	
9.0	.188	.091	.025	.182	.089	.025	.172	.085	.024	.163	.082	.023	.154	.078	.023	
10.0	.175	.084	.023	.170	.082	.023	.161	.079	.022	.152	.075	.021	.144	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.296	.296	.296	.253	.253	.253	.173	.173	.173	.099	.099	.099	.032	.032	.032	
1.0	.297	.261	.228	.254	.224	.196	.174	.154	.136	.100	.089	.079	.032	.029	.026	
2.0	.292	.238	.193	.250	.205	.167	.171	.142	.117	.099	.083	.068	.032	.027	.022	
3.0	.284	.222	.173	.244	.192	.150	.167	.133	.105	.097	.078	.062	.031	.025	.020	
4.0	.276	.210	.159	.237	.181	.138	.163	.126	.097	.094	.074	.058	.030	.024	.019	
5.0	.268	.200	.150	.230	.173	.131	.159	.121	.092	.092	.071	.055	.030	.023	.018	
6.0	.260	.192	.144	.224	.167	.125	.154	.117	.089	.089	.069	.053	.029	.022	.017	
7.0	.252	.186	.139	.217	.161	.121	.150	.113	.086	.087	.067	.051	.028	.022	.017	
8.0	.245	.180	.136	.211	.156	.118	.146	.110	.084	.085	.065	.050	.027	.021	.017	
9.0	.238	.175	.133	.205	.152	.116	.142	.107	.082	.083	.063	.049	.027	.021	.016	
10.0	.232	.171	.131	.200	.149	.114	.139	.105	.081	.081	.062	.048	.026	.020	.016	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	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	-5.3	-3.7	-4.8	-3.2	-2.7	11.1	12.6	11.5	13.1	13.6
	3H	-4.2	-2.7	-3.7	-2.2	-1.7	13.0	14.5	13.5	15.0	15.5
	4H	-3.2	-1.8	-2.7	-1.3	-0.7	13.8	15.2	14.3	15.7	16.3
	6H	-1.8	-0.5	-1.3	0.0	0.6	14.3	15.6	14.8	16.2	16.7
	8H	-0.9	0.3	-0.4	0.9	1.5	14.4	15.7	15.0	16.2	16.8
	12H	0.2	1.4	0.7	1.9	2.6	14.4	15.7	15.0	16.2	16.8
4H	2H	-4.0	-2.6	-3.5	-2.1	-1.5	10.6	12.0	11.2	12.5	13.1
	3H	-3.1	-1.9	-2.5	-1.3	-0.7	12.6	13.8	13.2	14.4	15.0
	4H	-2.1	-1.0	-1.6	-0.4	0.2	13.5	14.6	14.0	15.2	15.8
	6H	-0.7	0.4	-0.1	0.9	1.6	14.1	15.1	14.7	15.7	16.4
	8H	0.3	1.3	0.9	1.9	2.6	14.3	15.3	14.9	15.9	16.6
	12H	1.5	2.4	2.1	3.1	3.8	14.3	15.2	14.9	15.8	16.6
8H	4H	-1.5	-0.6	-0.9	0.0	0.7	13.2	14.2	13.9	14.8	15.5
	6H	-0.1	0.8	0.6	1.4	2.2	13.9	14.7	14.5	15.4	16.1
	8H	1.0	1.8	1.7	2.5	3.2	14.1	14.9	14.8	15.5	16.3
	12H	2.5	3.2	3.2	3.8	4.6	14.2	14.8	14.8	15.5	16.3
12H	4H	-1.4	-0.5	-0.8	0.1	0.8	13.2	14.1	13.8	14.7	15.4
	6H	0.1	0.8	0.7	1.5	2.2	13.8	14.6	14.5	15.3	16.0
	8H	1.2	1.9	1.9	2.5	3.3	14.1	14.7	14.7	15.4	16.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.5 / - 0.5	+ 0.9 / - 0.7
1.5H	+ 1.2 / - 0.3	+ 2.0 / - 2.0
2.0H	+ 0.8 / - 0.5	+ 3.0 / - 3.5

CIE Pub.117, 384.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.3)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WZ0)	LIGHT(5000K)
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

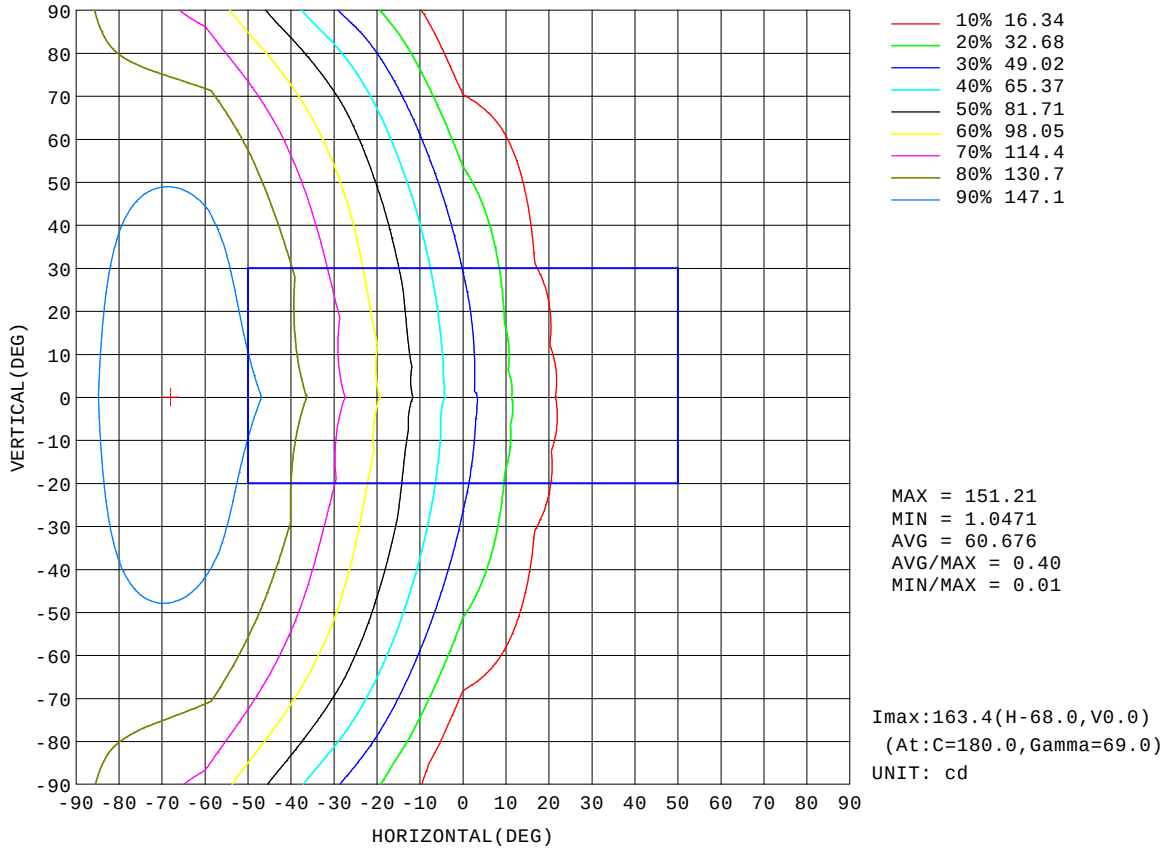
REFLECTANCE										
Ceiling	*0.8*	*0.8*	*0.8*	*0.7*	*0.7*	*0.7*	*0.5*	*0.5*	*0.5*	*0*
Walls	*0.7*	*0.5*	*0.3*	*0.7*	*0.5*	*0.3*	*0.7*	*0.5*	*0.3*	*0*
Working plane	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0*
ROOM INDEX	*UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5*									
k = 0.60	*44*	*30*	*23*	*43*	*30*	*22*	*41*	*29*	*22*	*15*
0.80	*52*	*38*	*29*	*51*	*38*	*29*	*49*	*37*	*29*	*20*
1.00	*60*	*45*	*36*	*58*	*45*	*36*	*55*	*46*	*35*	*26*
1.25	*67*	*52*	*43*	*65*	*51*	*42*	*61*	*49*	*41*	*32*
1.50	*72*	*58*	*48*	*70*	*57*	*47*	*65*	*54*	*46*	*36*
2.00	*80*	*67*	*57*	*77*	*65*	*56*	*72*	*62*	*54*	*43*
2.50	*85*	*73*	*63*	*82*	*71*	*62*	*76*	*67*	*59*	*47*
3.00	*89*	*78*	*69*	*86*	*75*	*67*	*80*	*71*	*64*	*52*
4.00	*94*	*84*	*76*	*91*	*82*	*74*	*84*	*77*	*71*	*57*
5.00	*98*	*89*	*82*	*94*	*86*	*80*	*87*	*81*	*75*	*61*
ROOM INDEX	*UF(total)*									*Direct*
According to DIN EN 13032-2 2004				*Suspended*					*SHRNOM = 1.25*	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:



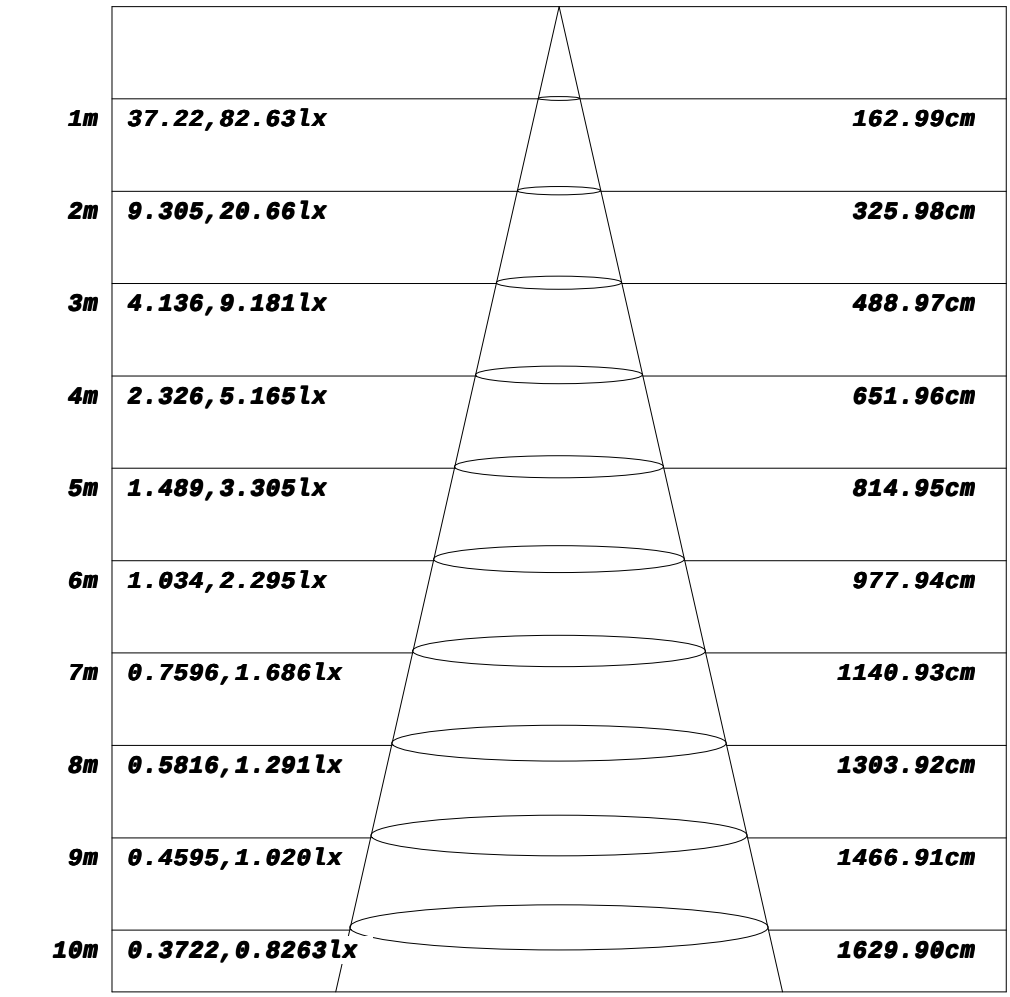
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

AAI Figure

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

Flux out:79.46 lm



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

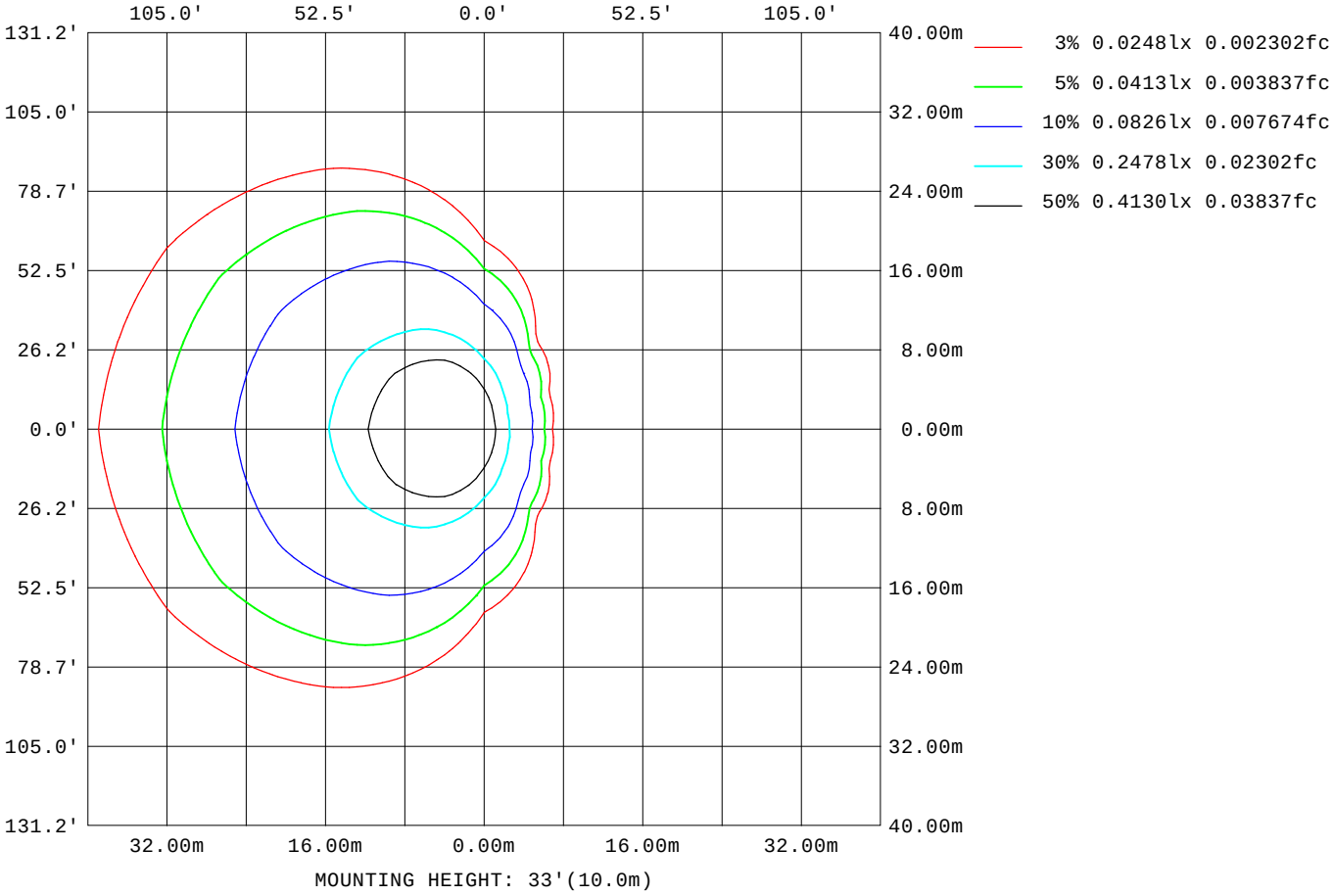
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

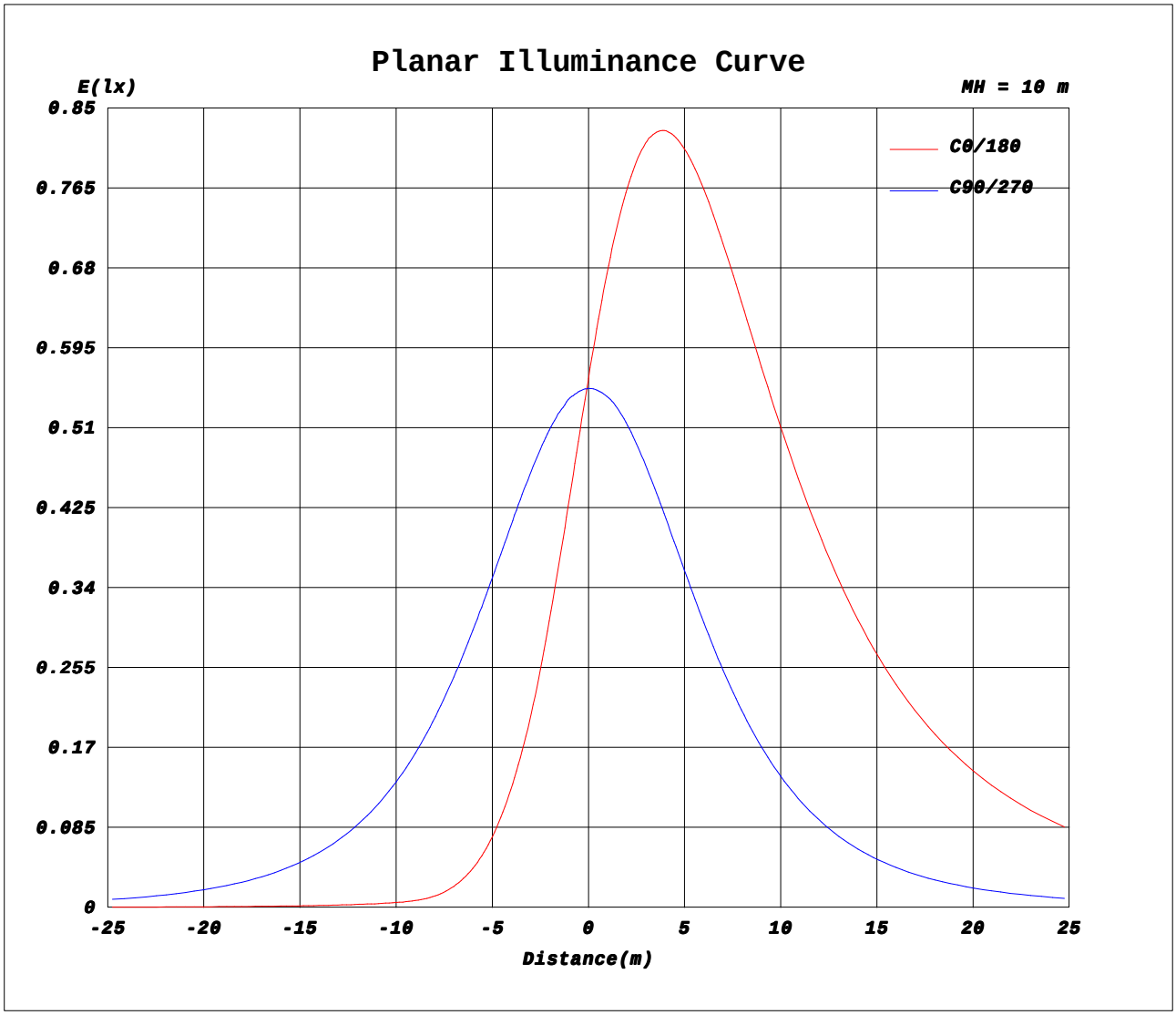
AvgL	cd/m2
L_0~180(65)av	19146
L_0~180(75)av	30809
L_0~180(85)av	83381
L_90~270(65)av	4920
L_90~270(75)av	4119
L_90~270(85)av	2238
L_45(65)av	13734
L_45(75)av	21208
L_45(85)av	53968

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-08

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:11.200m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ANNO TAPE SV TW	TYPE: ANNOSV-D2-24-2750-160 (WEIGHT(5000K)	
SPEC.: 5000K/8W	DIM.:	SERIAL No.:
MFR.: Beamever	SUR.: 0.01*1	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
5	44.8	46.1	49.9	55.2	60.8	65.0	66.3	64.9	60.8	55.4	50.0	46.0
10	34.8	37.1	44.1	54.4	65.7	74.4	77.1	74.1	65.9	55.0	44.2	37.0
15	25.6	28.6	38.2	53.3	70.3	83.6	87.7	83.1	70.5	54.0	38.4	28.4
20	18.1	21.1	32.3	51.8	74.5	92.5	98.1	91.8	74.8	52.7	32.6	21.0
25	12.0	14.9	26.5	49.9	78.3	101	108	100	78.6	50.9	26.8	14.8
30	7.28	9.79	21.1	47.5	81.6	109	118	108	81.9	48.7	21.4	9.75
35	4.03	5.81	16.2	44.8	84.3	117	127	115	84.7	46.1	16.5	5.92
40	2.17	3.06	11.8	41.6	86.5	123	135	122	86.9	43.1	12.0	3.27
45	1.47	1.56	7.93	38.0	87.9	130	142	127	88.4	39.6	8.10	1.94
50	1.30	1.06	4.76	33.9	88.6	135	149	132	89.2	35.8	4.98	1.49
55	1.08	0.89	2.47	29.5	88.7	139	155	136	88.9	31.5	2.73	1.27
60	1.00	0.72	1.21	24.7	87.5	141	159	139	87.9	26.8	1.53	1.11
65	0.92	0.56	0.73	19.7	85.1	143	161	140	85.7	21.9	1.17	0.94
70	0.84	0.56	0.45	14.6	81.5	142	161	139	82.2	16.8	1.00	0.86
75	0.80	0.54	0.22	9.69	76.3	139	159	136	77.0	11.6	0.77	0.75
80	0.78	0.50	0.06	5.22	69.5	133	153	130	70.0	7.05	0.48	0.66
85	0.74	0.49	0.00	0.76	61.1	124	145	121	60.9	3.14	0.26	0.56
90	0.71	0.42	0.00	0.00	51.9	112	132	108	50.2	0.00	0.00	0.44
95	0.67	0.33	0.00	0.00	41.1	98.5	118	93.4	39.7	0.00	0.00	0.34
100	0.61	0.33	0.00	0.00	17.3	81.5	98.7	76.3	16.8	0.00	0.00	0.31
105	0.56	0.33	0.00	0.00	0.36	51.4	71.6	47.4	0.36	0.00	0.00	0.31
110	0.56	0.33	0.00	0.00	0.00	19.7	37.5	16.8	0.00	0.00	0.00	0.31
115	0.56	0.33	0.03	0.00	0.00	1.85	11.3	0.85	0.00	0.00	0.03	0.31
120	0.56	0.28	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31
125	0.54	0.19	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.31
130	0.49	0.19	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31
135	0.43	0.14	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31
140	0.37	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31
145	0.32	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
150	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
155	0.19	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
160	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
165	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
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
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

C Range: 0 - 360DEG
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