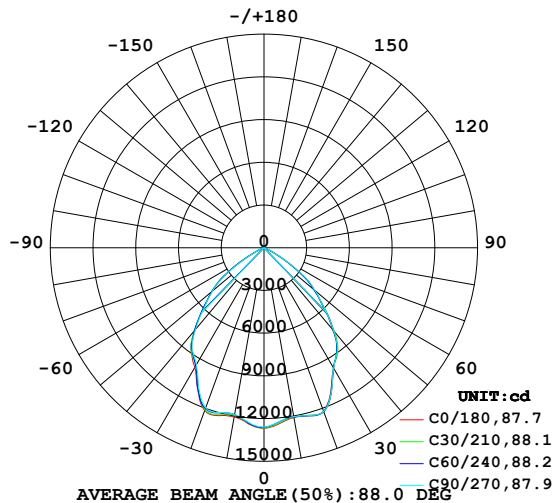


LUMINAIRE PHOTOMETRIC TEST REPORT

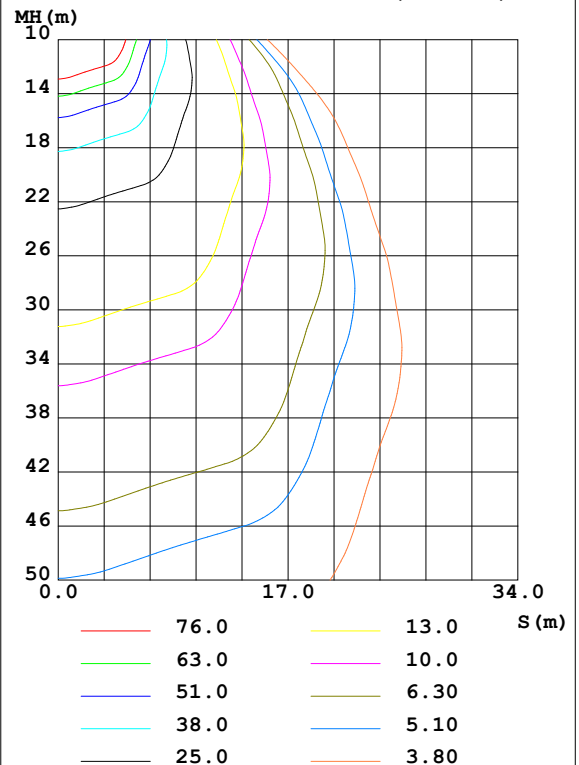
Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.62 lm/W			
MODEL	360-HB65-150W	I _{max} (cd)	12683	S/MH (C0/180)	1.15
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.14
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	23476	η UP,DN (C0-180)	0.3,49.7
NOMINAL FLUX (lm)	23476.4	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.4,49.5
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	99.3	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [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	1211	1207	1204	1201	1206	1192	1189	1195	0- 10	1165	1165	4.96,4.96
20	1223	1226	1224	1212	1216	1207	1197	1203	10- 20	3437	4601	19.6,19.6
30	974.6	977.2	979.8	970.7	971.5	959.1	948.9	956.7	20- 30	5046	9648	41.1,41.1
40	751.5	765.0	761.1	758.4	763.5	758.3	748.1	757.5	30- 40	5500	15148	64.5,64.5
50	461.7	459.9	467.7	467.8	480.6	476.8	471.6	471.2	40- 50	4661	19809	84.4,84.4
60	138.5	144.9	148.4	153.1	162.0	159.9	143.7	147.0	50- 60	2842	22651	96.5,96.5
70	14.11	14.24	13.71	13.37	13.05	12.81	12.72	13.03	60- 70	547.4	23198	98.8,98.8
80	4.516	4.726	4.569	4.488	3.971	3.950	3.948	4.056	70- 80	75.63	23274	99.1,99.1
90	2.203	2.194	2.185	2.187	1.955	1.946	1.942	1.946	80- 90	31.68	23305	99.3,99.3
100	2.136	2.124	2.115	2.117	2.226	2.219	2.214	2.216	90-100	22.97	23328	99.4,99.4
110	2.212	2.200	2.188	2.188	2.653	2.647	2.647	2.643	100-110	24.11	23353	99.5,99.5
120	2.458	2.449	2.436	2.438	2.995	2.992	2.991	2.985	110-120	25.63	23378	99.6,99.6
130	2.718	2.710	2.703	2.705	3.103	3.102	3.098	3.094	120-130	25.18	23403	99.7,99.7
140	2.896	2.890	2.884	2.887	3.283	3.281	3.280	3.270	130-140	23.16	23426	99.8,99.8
150	3.120	3.115	3.110	3.112	3.524	3.513	3.506	3.504	140-150	20.03	23447	99.9,99.9
160	3.437	3.433	3.425	3.429	3.719	3.704	3.699	3.695	150-160	15.86	23462	99.9,99.9
170	3.688	3.682	3.677	3.676	3.913	3.902	3.893	3.892	160-170	10.41	23473	100,100
180	3.810	3.802	3.803	3.800	3.810	3.805	3.805	3.801	170-180	3.629	23476	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 17660 lm

%lum = 75.2%

%lamp = 75.2%

Conical surface Flux(120deg): 22651 lm

%lum = 96.5%

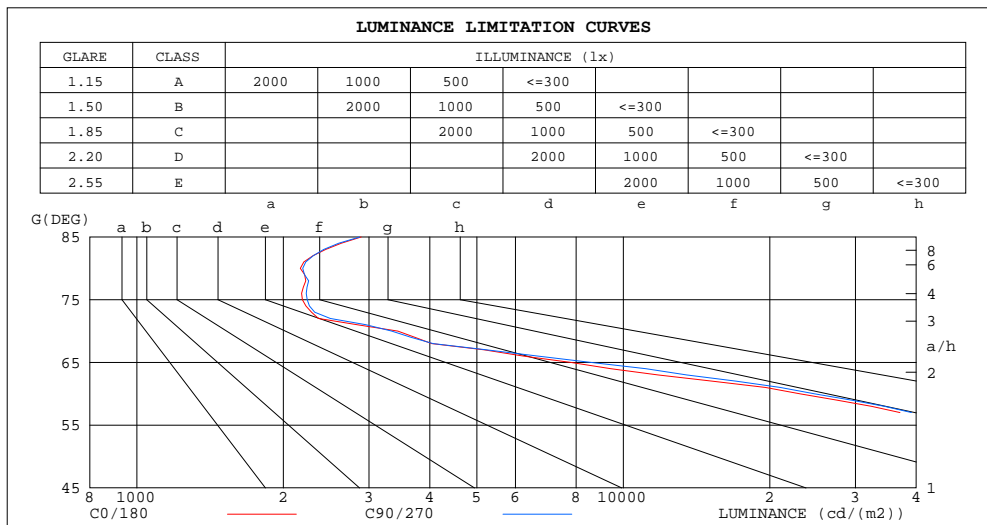
%lamp = 96.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:11.550m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2891	2872
80	2167	2193
75	2189	2239
70	3438	3340
65	7813	8594
60	23092	24733
55	45772	47675
50	59856	60638
45	69407	70524

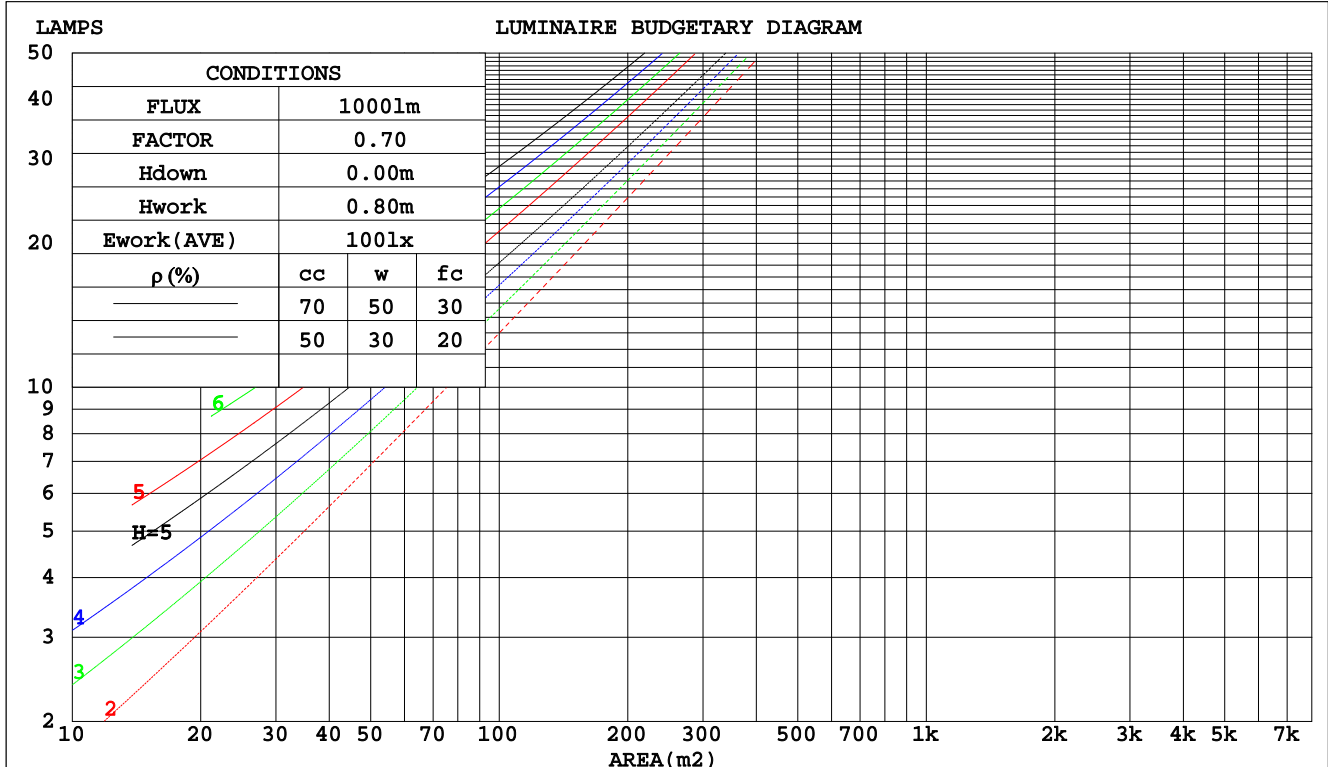
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.86	.84	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.74	.79	.75	.72	.70
4.0	.80	.73	.68	.79	.72	.67	.76	.71	.66	.74	.69	.65	.72	.68	.64	.63
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.63	.58	.66	.61	.58	.56
6.0	.67	.59	.54	.66	.58	.53	.64	.58	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.48	.57	.52	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.223	.127	.040	.216	.123	.039	.203	.116	.037	.191	.110	.035	.179	.104	.034		
2.0	.219	.120	.037	.213	.117	.036	.202	.112	.035	.191	.107	.034	.181	.103	.032		
3.0	.210	.112	.034	.205	.110	.033	.195	.106	.032	.186	.102	.031	.177	.098	.030		
4.0	.201	.104	.031	.196	.103	.030	.187	.099	.030	.179	.096	.029	.171	.093	.028		
5.0	.190	.097	.028	.186	.096	.028	.178	.093	.027	.171	.090	.027	.164	.088	.026		
6.0	.181	.091	.026	.177	.089	.026	.170	.087	.025	.163	.085	.025	.157	.083	.025		
7.0	.171	.085	.024	.168	.084	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023		
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.148	.075	.022	.143	.074	.021		
9.0	.154	.075	.021	.151	.074	.021	.146	.072	.021	.142	.071	.020	.137	.070	.020		
10.0	.147	.070	.020	.144	.070	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.180	.162	.147	.154	.139	.126	.105	.096	.087	.061	.056	.051	.019	.018	.016	
2.0	.168	.138	.112	.144	.119	.097	.099	.082	.068	.057	.048	.040	.018	.015	.013	
3.0	.159	.120	.088	.136	.103	.077	.093	.072	.054	.054	.042	.032	.017	.014	.010	
4.0	.151	.106	.071	.129	.091	.062	.089	.064	.044	.051	.037	.026	.017	.012	.008	
5.0	.143	.095	.059	.123	.082	.051	.085	.057	.036	.049	.034	.021	.016	.011	.007	
6.0	.137	.086	.050	.118	.075	.043	.081	.052	.031	.047	.031	.018	.015	.010	.006	
7.0	.131	.079	.043	.112	.068	.037	.078	.048	.026	.045	.028	.016	.015	.009	.005	
8.0	.125	.073	.037	.108	.063	.033	.074	.045	.023	.043	.026	.014	.014	.009	.005	
9.0	.120	.068	.033	.103	.059	.029	.072	.042	.021	.042	.025	.012	.013	.008	.004	
10.0	.115	.064	.030	.099	.056	.026	.069	.039	.019	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm											
NAME: 360-HB65-150W					TYPE:			WEIGHT: 4.8KG			
SPEC.:					DIM.: ϕ 360*178MM			SERIAL No.: 1			
MFR.:					SUR.: ϕ 284MM			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	22.9	24.2	23.3	24.6	24.9	23.1	24.4	23.5	24.7	25.1	
	3H	22.8	24.0	23.2	24.3	24.7	23.0	24.1	23.4	24.5	24.9
	4H	22.8	23.8	23.2	24.2	24.6	22.9	24.0	23.3	24.4	24.8
	6H	22.7	23.7	23.1	24.1	24.5	22.8	23.8	23.3	24.2	24.6
	8H	22.6	23.6	23.1	24.0	24.4	22.8	23.7	23.2	24.1	24.6
	12H	22.6	23.5	23.1	23.9	24.4	22.8	23.7	23.2	24.1	24.5
4H	2H	22.8	23.9	23.2	24.2	24.6	22.9	24.0	23.4	24.4	24.8
	3H	22.7	23.6	23.1	24.0	24.4	22.9	23.7	23.3	24.2	24.6
	4H	22.6	23.4	23.1	23.8	24.3	22.8	23.6	23.2	24.0	24.5
	6H	22.5	23.2	23.0	23.7	24.2	22.7	23.4	23.2	23.8	24.3
	8H	22.5	23.1	23.0	23.6	24.1	22.7	23.3	23.1	23.7	24.2
	12H	22.5	23.0	23.0	23.5	24.0	22.6	23.2	23.1	23.7	24.2
8H	4H	22.5	23.1	23.0	23.6	24.1	22.6	23.3	23.1	23.7	24.2
	6H	22.4	22.9	22.9	23.4	23.9	22.6	23.1	23.1	23.6	24.1
	8H	22.3	22.8	22.9	23.3	23.8	22.5	23.0	23.0	23.5	24.0
	12H	22.3	22.7	22.8	23.2	23.8	22.5	22.9	23.0	23.4	24.0
12H	4H	22.4	23.0	22.9	23.5	24.0	22.6	23.2	23.1	23.6	24.1
	6H	22.3	22.8	22.9	23.3	23.8	22.5	23.0	23.0	23.4	24.0
	8H	22.3	22.7	22.8	23.2	23.8	22.5	22.9	23.0	23.4	24.0
CIE190: 2010											

CIE190: 2010
Area: 0.12 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\varnothing 360 \times 178 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 284 \text{MM}$	Shielding Angle:

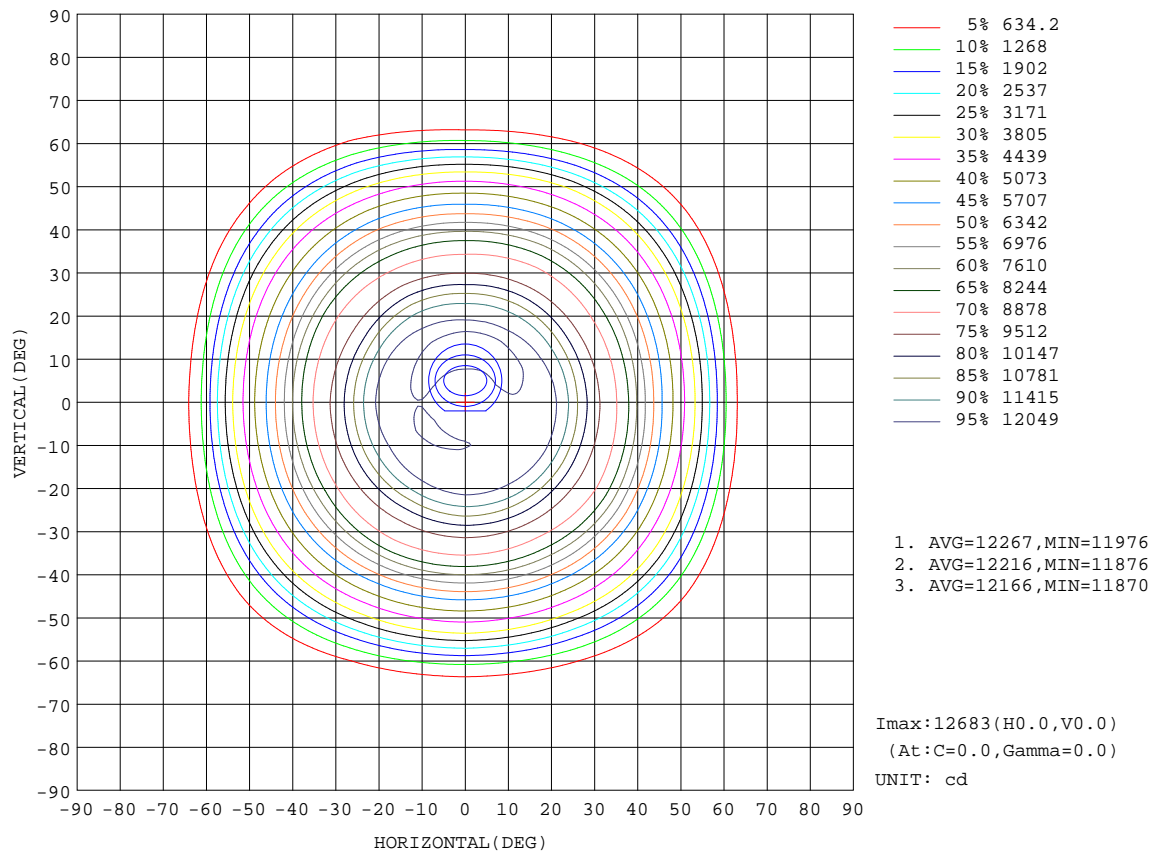
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	58	53	67	58	53	47
0.80	79	70	64	78	69	64	76	68	63	58
1.00	87	79	73	86	78	73	84	79	72	66
1.25	93	86	80	92	85	80	90	84	79	73
1.50	98	90	85	96	90	85	93	88	84	78
2.00	103	97	92	101	96	91	98	93	90	83
2.50	105	100	95	103	98	95	100	96	93	86
3.00	108	103	99	106	101	98	102	98	96	88
4.00	110	106	103	108	104	101	104	101	99	91
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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:

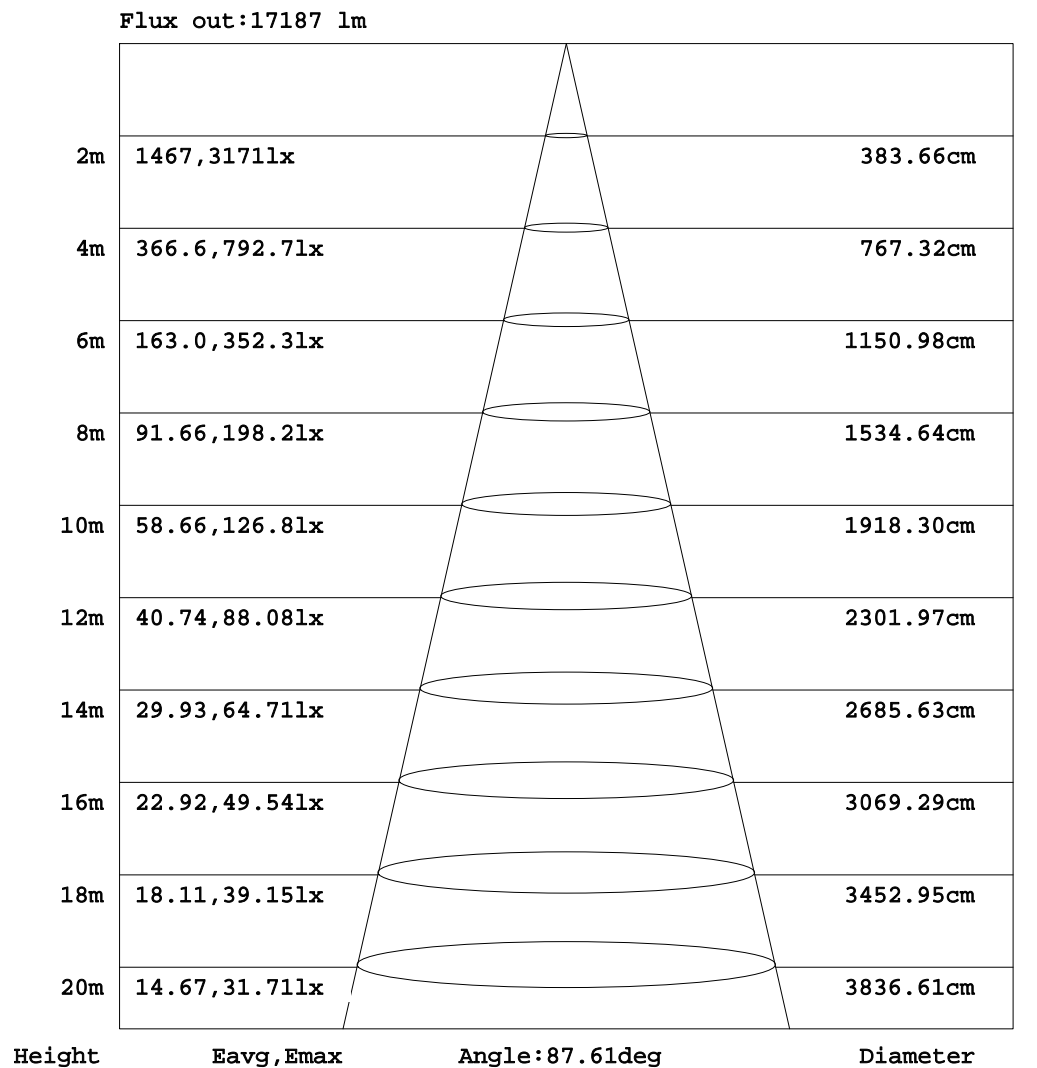


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



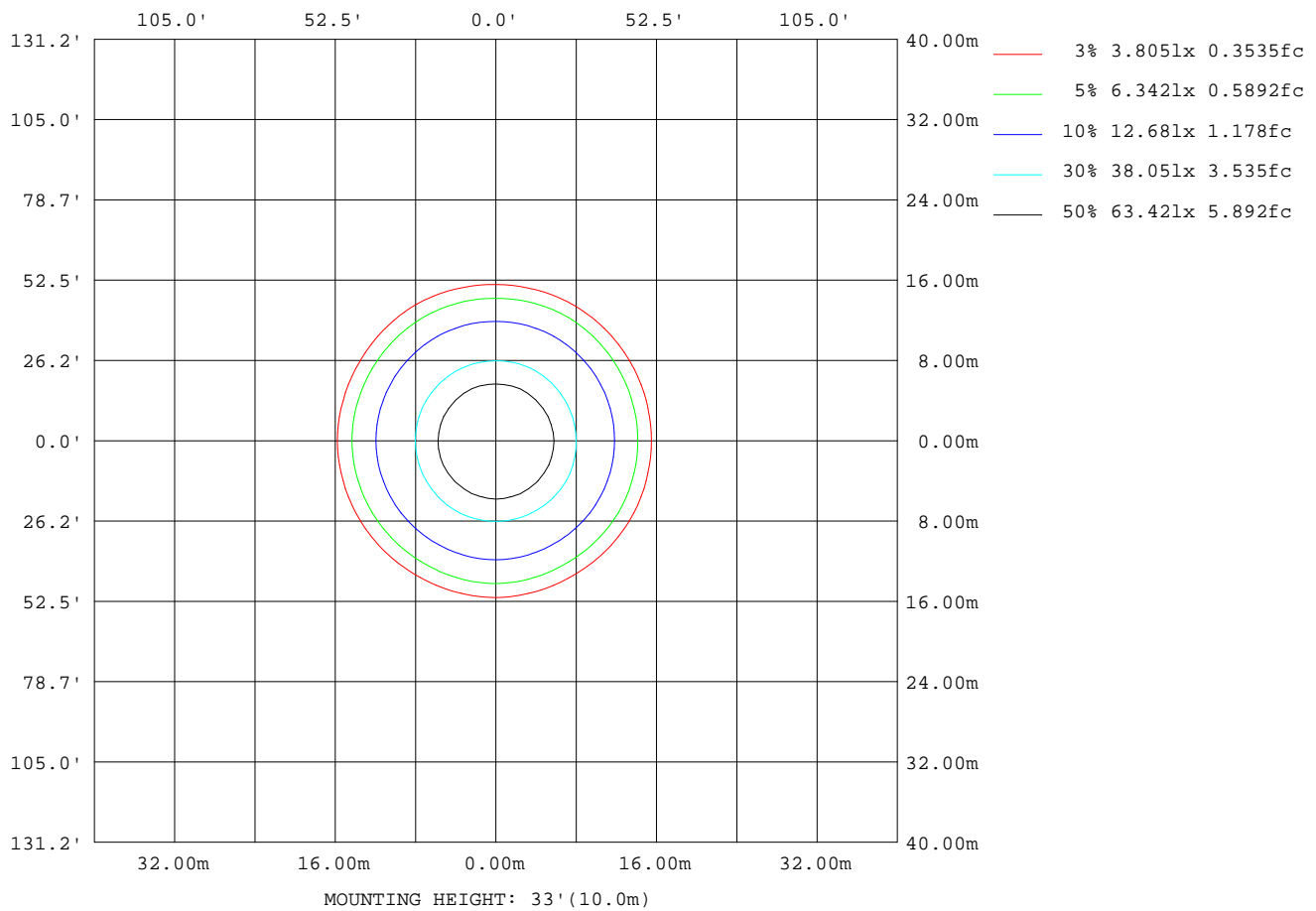
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

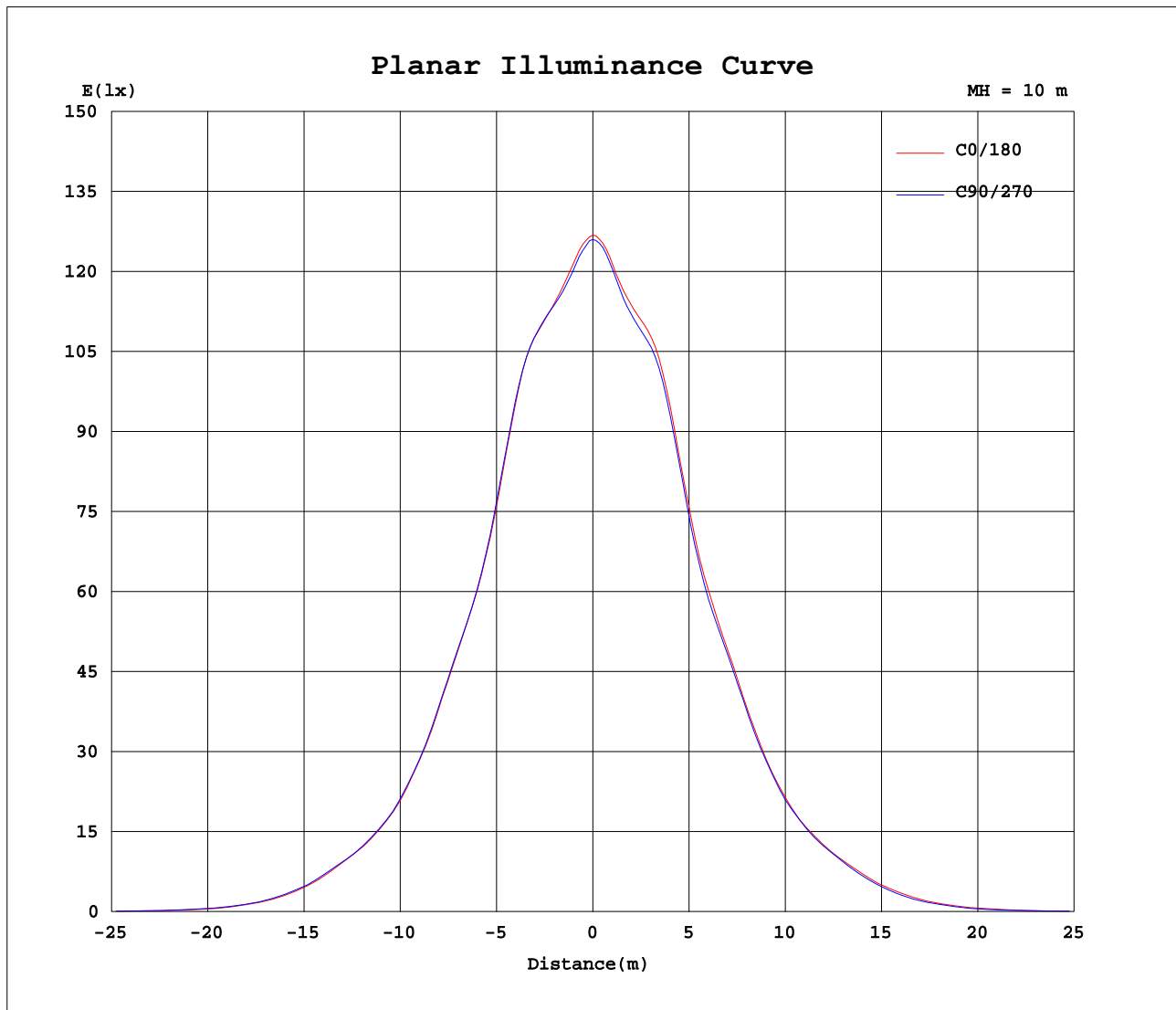
AvgL	cd/m2
L_0~180 (65) av	8735
L_0~180 (75) av	2063
L_0~180 (85) av	2695
L_90~270 (65) av	7987
L_90~270 (75) av	2105
L_90~270 (85) av	2661
L_45 (65) av	8410
L_45 (75) av	2135
L_45 (85) av	2691

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 11.550m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.02V I:0.7393A P:151.84W PF:0.9552 Freq:49.99Hz Lamp Flux:23476.4x1 lm		
NAME: 360-HB65-150W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1268	1266	1263	1260	1258	1256	1268	1266	1263	1260	1258	1256						
5	1240	1235	1227	1228	1227	1228	1242	1236	1237	1231	1234	1231						
10	1211	1207	1206	1204	1201	1200	1206	1195	1189	1189	1194	1197						
15	1218	1219	1223	1221	1215	1212	1221	1211	1199	1198	1199	1203						
20	1223	1226	1226	1224	1215	1209	1216	1212	1202	1197	1199	1207						
25	1110	1120	1120	1121	1104	1103	1102	1095	1096	1085	1091	1097						
30	975	976	978	980	970	971	972	959	959	949	955	959						
35	890	903	891	897	898	890	893	889	881	878	887	884						
40	752	772	758	761	761	756	763	758	758	748	762	753						
45	589	605	595	598	595	606	605	599	608	593	606	599						
50	462	462	458	468	463	473	481	476	478	472	474	468						
55	315	320	311	328	320	331	343	333	334	323	333	320						
60	139	146	144	148	149	157	162	159	161	144	148	146						
65	39.6	41.5	40.8	43.6	44.4	49.5	49.0	42.1	49.1	37.4	35.2	38.3						
70	14.1	14.8	13.7	13.7	13.4	13.3	13.0	12.9	12.7	12.7	13.2	12.9						
75	6.80	7.27	7.09	6.95	6.76	6.79	6.02	6.21	6.20	6.12	6.36	6.21						
80	4.52	4.81	4.64	4.57	4.43	4.55	3.97	3.93	3.97	3.95	4.13	3.98						
85	3.02	3.12	3.03	3.00	2.96	3.00	2.61	2.58	2.57	2.56	2.65	2.59						
90	2.20	2.20	2.19	2.18	2.19	2.19	1.96	1.95	1.94	1.94	1.94	1.95						
95	2.15	2.14	2.14	2.13	2.14	2.13	2.06	2.06	2.05	2.05	2.05	2.06						
100	2.14	2.13	2.12	2.11	2.12	2.11	2.23	2.23	2.21	2.21	2.21	2.22						
105	2.15	2.14	2.14	2.13	2.13	2.13	2.42	2.42	2.40	2.40	2.40	2.41						
110	2.21	2.20	2.20	2.19	2.19	2.19	2.65	2.66	2.64	2.65	2.64	2.65						
115	2.32	2.31	2.31	2.30	2.30	2.30	2.88	2.89	2.87	2.88	2.87	2.88						
120	2.46	2.45	2.45	2.44	2.44	2.44	3.00	3.00	2.99	2.99	2.99	2.98						
125	2.59	2.58	2.58	2.57	2.58	2.57	3.03	3.04	3.03	3.03	3.03	3.03						
130	2.72	2.71	2.71	2.70	2.71	2.70	3.10	3.10	3.10	3.10	3.09	3.09						
135	2.82	2.81	2.81	2.80	2.81	2.81	3.18	3.19	3.18	3.18	3.17	3.17						
140	2.90	2.89	2.89	2.88	2.89	2.89	3.28	3.28	3.28	3.28	3.27	3.27						
145	2.99	2.98	2.98	2.98	2.97	2.98	3.42	3.41	3.40	3.40	3.40	3.40						
150	3.12	3.11	3.12	3.11	3.11	3.11	3.52	3.52	3.51	3.51	3.50	3.51						
155	3.27	3.26	3.27	3.26	3.26	3.26	3.62	3.61	3.60	3.60	3.59	3.60						
160	3.44	3.43	3.43	3.42	3.43	3.43	3.72	3.71	3.70	3.70	3.69	3.70						
165	3.56	3.56	3.56	3.55	3.55	3.55	3.82	3.82	3.81	3.81	3.80	3.80						
170	3.69	3.68	3.68	3.68	3.68	3.68	3.91	3.90	3.90	3.89	3.89	3.89						
175	3.71	3.71	3.70	3.70	3.70	3.70	3.90	3.89	3.89	3.89	3.89	3.89						
180	3.81	3.80	3.80	3.80	3.80	3.80	3.81	3.81	3.80	3.81	3.80	3.80						

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Operators:
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
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