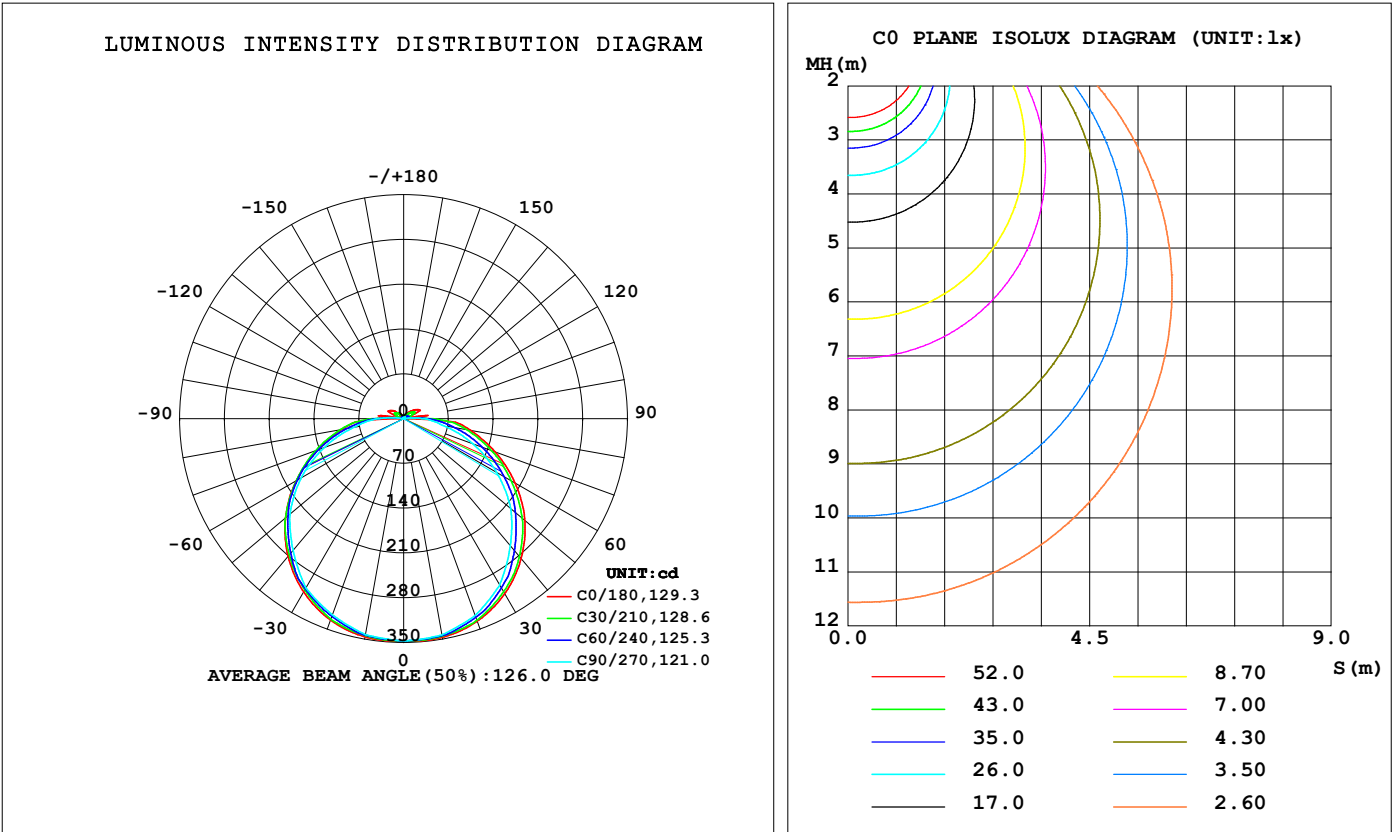


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 92.57 lm/W
MODEL	ABH14O2TB 4000K	Imax (cd)	348.4	S/MH (C0/180)	1.34	
NOMINAL POWER(W)	13.7	LOR (%)	100.0	S/MH (C90/270)	1.30	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1268.2	η UP,DN (C0-180)	2.4,46.7	
NOMINAL FLUX(lm)	1268.2	CIE CLASS	DIRECT	η UP,DN (C180-360)	2.4,48.5	
LAMPS INSIDE	1	η up (%)	4.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	230	η down (%)	95.2	CIBSE SHR MAX	1.50	



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Humidity:65.0%
Test Distance:9.782m [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	347.2	344.8	343.4	344.4	346.5	344.0	342.9	344.4	0- 10	33.02	33.02	2.6,2.6
20	336.8	332.2	327.4	331.1	334.9	330.4	326.4	331.4	10- 20	95.82	128.8	10.2,10.2
30	316.0	309.7	300.3	307.5	312.7	308.0	305.6	310.0	20- 30	148.1	276.9	21.8,21.8
40	285.7	277.3	259.5	274.1	281.1	279.4	268.9	282.2	30- 40	183.5	460.5	36.3,36.3
50	247.2	233.9	218.8	229.3	241.1	237.4	232.2	241.7	40- 50	197.8	658.2	51.9,51.9
60	201.0	190.0	168.0	183.9	193.7	194.9	185.1	200.7	50- 60	190.8	849.1	66.9,66.9
70	152.0	139.5	115.1	133.2	143.5	145.4	131.9	151.2	60- 70	163.0	1012	79.8,79.8
80	106.3	92.04	62.21	86.25	98.77	96.49	78.77	102.5	70- 80	121.2	1133	89.4,89.4
90	2.339	43.32	31.50	39.15	1.937	44.91	39.72	47.14	80- 90	74.10	1207	95.2,95.2
100	24.26	8.360	0.7986	6.307	21.96	7.355	0.6805	6.246	90-100	23.17	1231	97,97
110	5.391	12.08	1.221	10.83	9.644	9.919	1.248	9.885	100-110	5.371	1236	97.5,97.5
120	27.37	12.37	1.644	11.34	25.36	9.868	1.815	10.51	110-120	10.72	1247	98.3,98.3
130	21.09	10.14	1.707	9.253	18.57	8.157	1.716	9.950	120-130	10.27	1257	99.1,99.1
140	13.45	5.899	1.770	5.571	11.78	5.694	1.618	6.254	130-140	6.275	1263	99.6,99.6
150	6.166	2.258	1.982	2.296	5.627	2.471	1.794	2.470	140-150	3.034	1266	99.8,99.8
160	2.082	2.097	2.193	2.202	2.186	2.052	1.971	1.978	150-160	1.162	1267	99.9,99.9
170	2.152	2.146	2.193	2.177	2.200	2.127	2.072	2.084	160-170	0.5979	1268	100,100
180	2.194	2.194	2.194	2.194	2.173	2.173	2.173	2.173	170-180	0.2060	1268	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 558.88 lm

%lum = 44.1%
%lamp = 44.1%

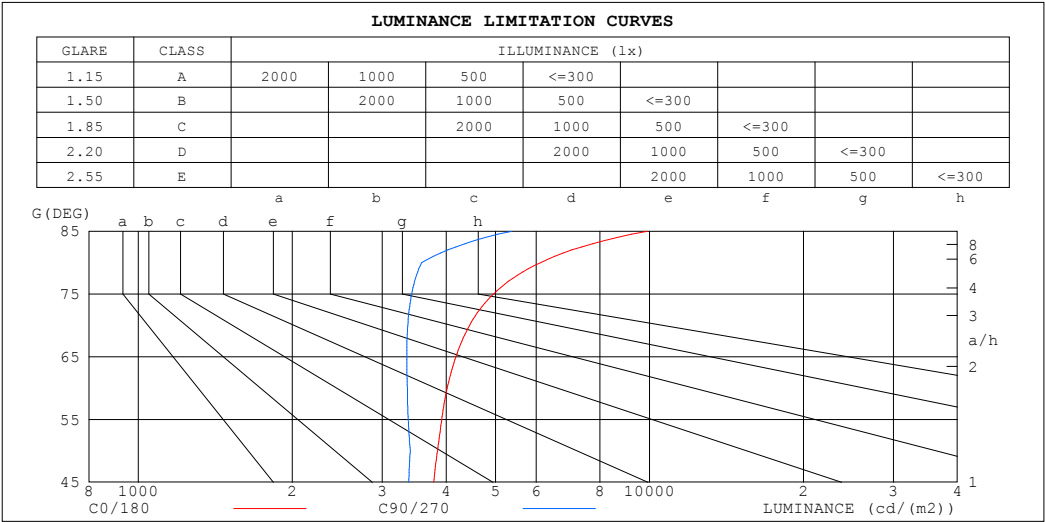
Conical surface Flux(120deg): 849.05 lm

%lum = 66.9%
%lamp = 66.9%

H(β) Range:-90 - 90DEG H(β) Interval: 1.0DEG Test Speed: HIGH Temperature:25.3°C Operators: Test Date:2023-09-05	V(B) Range:-180 - 180DEG V(B) Interval: 5.0DEG Humidity:65.0% Test Distance:9.782m [K=1.0000] Remarks:
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LUMINANCE LIMITATION CURVES

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9901	5376
80	6121	3582
75	4953	3425
70	4445	3365
65	4179	3349
60	4021	3360
55	3923	3372
50	3846	3404
45	3782	3382

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	.368	.209	.066	.359	.205	.065	.343	.197	.063	.328	.189	.061	.314	.182	.059															
2.0	.327	.179	.055	.319	.176	.054	.305	.169	.053	.291	.163	.051	.279	.158	.050															
3.0	.294	.156	.047	.287	.154	.046	.274	.149	.045	.262	.144	.044	.251	.139	.043															
4.0	.266	.138	.041	.260	.136	.040	.249	.132	.039	.238	.128	.039	.228	.124	.038															
5.0	.243	.124	.036	.238	.122	.036	.227	.118	.035	.218	.115	.034	.209	.111	.033															
6.0	.224	.112	.032	.219	.110	.032	.209	.107	.031	.201	.104	.031	.192	.101	.030															
7.0	.207	.102	.029	.202	.101	.029	.194	.098	.028	.186	.095	.028	.178	.093	.027															
8.0	.192	.094	.026	.188	.093	.026	.180	.090	.026	.173	.088	.025	.166	.085	.025															
9.0	.179	.087	.024	.175	.086	.024	.169	.083	.024	.162	.081	.023	.156	.079	.023															
10.0	.168	.080	.022	.164	.079	.022	.158	.077	.022	.152	.076	.021	.147	.074	.021															

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	.227	.227	.227	.194	.194	.194	.132	.132	.132	.076	.076	.076	.024	.024	.024	
1.0	.221	.192	.167	.189	.165	.143	.129	.114	.099	.075	.066	.058	.024	.021	.019	
2.0	.214	.169	.131	.183	.145	.113	.126	.101	.079	.072	.058	.046	.023	.019	.015	
3.0	.206	.152	.108	.177	.131	.094	.121	.091	.066	.070	.053	.039	.023	.017	.013	
4.0	.199	.139	.093	.170	.120	.081	.117	.084	.057	.068	.049	.034	.022	.016	.011	
5.0	.191	.129	.083	.164	.111	.072	.113	.078	.051	.065	.046	.030	.021	.015	.010	
6.0	.183	.120	.075	.158	.104	.066	.109	.073	.046	.063	.043	.028	.020	.014	.009	
7.0	.176	.114	.070	.152	.099	.061	.105	.069	.043	.061	.041	.026	.020	.013	.008	
8.0	.169	.108	.066	.146	.094	.057	.101	.066	.041	.059	.039	.024	.019	.013	.008	
9.0	.163	.103	.063	.140	.089	.055	.097	.063	.039	.057	.037	.023	.018	.012	.008	
10.0	.157	.099	.060	.135	.086	.052	.094	.060	.037	.055	.036	.022	.018	.012	.007	

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-09-05

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Humidity:65.0%
 Test Distance:9.782m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	16.6	18.2	17.0	18.4	18.8	15.9	17.4	16.2	17.7	18.0
3H	18.7	20.1	19.1	20.5	20.8	17.6	19.1	18.0	19.4	19.7
4H	19.8	21.2	20.2	21.5	21.9	18.4	19.8	18.8	20.1	20.5
6H	20.9	22.2	21.3	22.6	23.0	19.1	20.4	19.5	20.8	21.2
8H	21.5	22.8	21.9	23.2	23.6	19.5	20.7	19.9	21.1	21.5
12H	22.2	23.4	22.6	23.8	24.2	19.8	21.0	20.3	21.4	21.8
4H 2H	17.3	18.6	17.7	19.0	19.3	16.7	18.1	17.1	18.4	18.8
3H	19.6	20.8	20.0	21.2	21.6	18.7	19.9	19.1	20.3	20.7
4H	20.8	22.0	21.3	22.4	22.8	19.7	20.8	20.1	21.2	21.6
6H	22.2	23.2	22.6	23.6	24.1	20.5	21.5	21.0	22.0	22.4
8H	22.9	23.8	23.4	24.3	24.8	20.9	21.9	21.4	22.3	22.8
12H	23.7	24.6	24.2	25.0	25.6	21.4	22.3	21.9	22.7	23.3
8H 4H	21.2	22.2	21.7	22.6	23.1	20.3	21.2	20.7	21.6	22.1
6H	22.8	23.6	23.4	24.1	24.6	21.4	22.2	21.9	22.7	23.2
8H	23.7	24.4	24.3	25.0	25.5	22.0	22.7	22.5	23.2	23.7
12H	24.8	25.4	25.4	25.9	26.5	22.6	23.2	23.2	23.7	24.3
12H 4H	21.3	22.1	21.8	22.6	23.1	20.4	21.2	20.9	21.7	22.2
6H	23.0	23.7	23.5	24.2	24.7	21.6	22.3	22.2	22.9	23.4
8H	24.0	24.6	24.5	25.1	25.7	22.3	22.9	22.9	23.5	24.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 1268 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	$k(RI) \times RCR = 5$									
k = 0.60	53	41	33	52	40	33	50	40	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	58	50	66	59	49	41
1.25	77	66	58	76	65	57	73	63	56	48
1.50	83	71	63	81	70	63	77	68	61	53
2.00	90	80	72	87	78	71	83	76	69	60
2.50	94	85	78	91	83	77	87	80	74	64
3.00	98	89	83	95	87	81	90	84	79	69
4.00	102	95	89	99	93	88	94	89	84	74
5.00	105	99	94	102	96	92	96	92	88	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004					Suspended			SHRNM = 1.25		

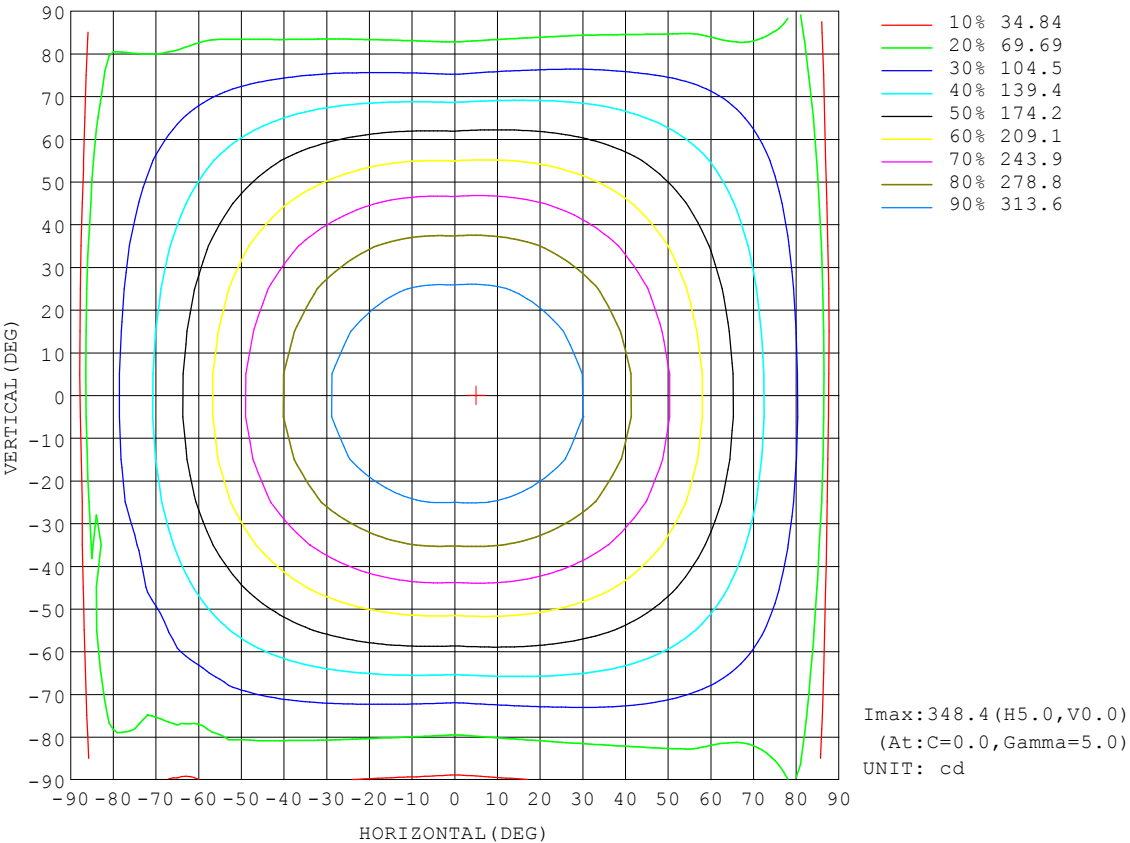
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2023-09-05

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V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG

Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:
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ISOCANDELA DIAGRAM

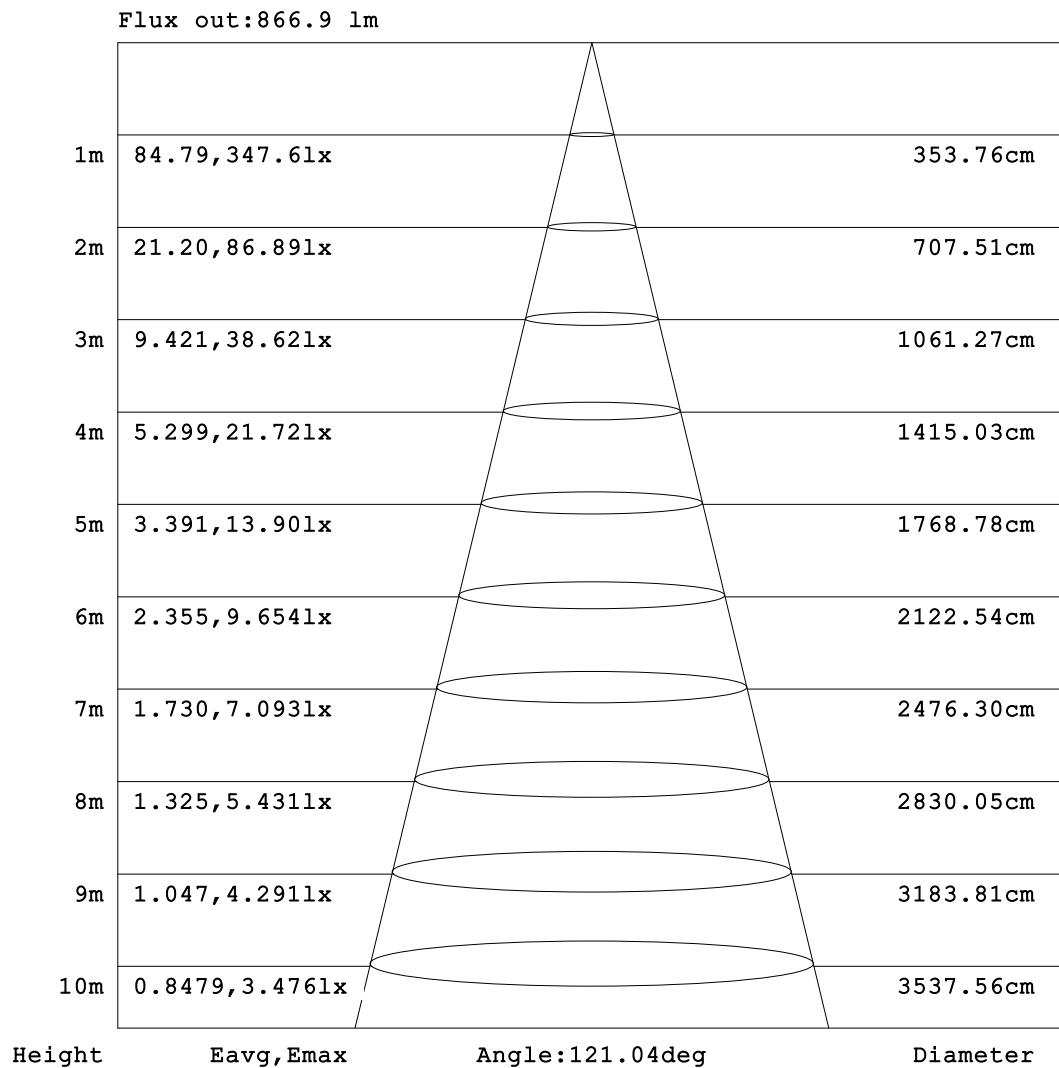
NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG	V(B) Range:-180 - 180DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	
Temperature:25.3°C	Humidity:65.0%
Operators:	Test Distance:9.782m [K=1.0000]
Test Date:2023-09-05	Remarks:

AAI Figure

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

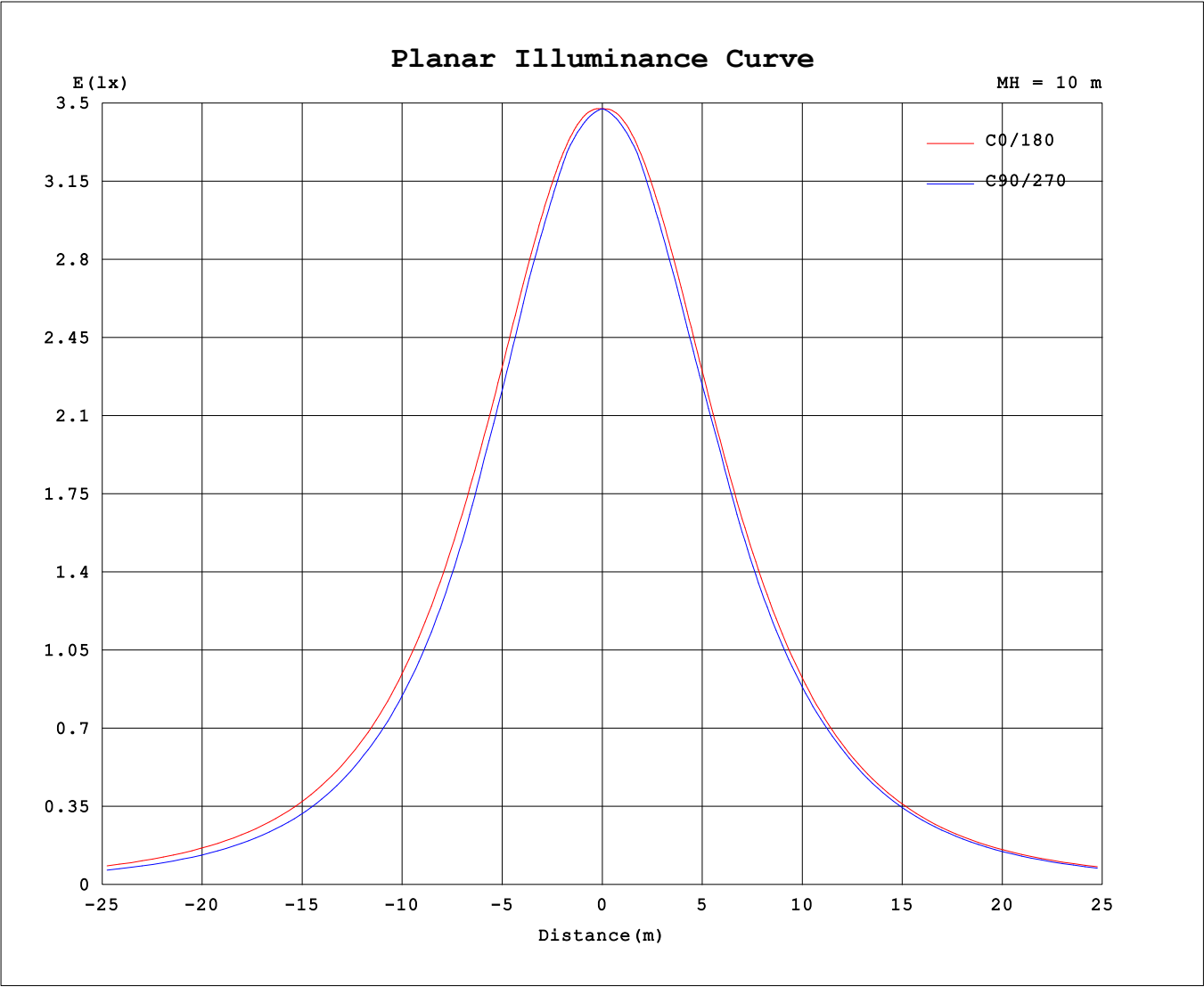


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
<div>C (DEG) γ (DEG)</div>	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347
5	348	348	348	348	348	347	347	347	347	347	347	346	346	346	346	346	346	346	345
10	347	347	346	346	346	346	345	345	345	345	345	345	344	344	344	344	344	344	343
15	343	343	342	342	342	341	341	341	341	341	340	339	338	338	337	337	336	336	335
20	337	336	335	335	335	335	335	334	333	332	332	331	330	330	329	329	328	328	327
25	328	327	326	326	326	326	325	324	323	323	322	321	320	318	317	316	315	314	314
30	316	315	315	315	314	313	312	312	312	310	308	307	306	305	304	303	302	301	300
35	302	301	301	301	300	299	299	297	296	294	293	292	290	288	285	284	282	281	280
40	286	285	285	284	283	283	281	280	279	277	274	272	269	267	265	263	262	260	260
45	267	266	267	266	265	264	262	262	259	256	253	251	249	247	245	243	242	240	239
50	247	246	246	246	245	243	242	239	236	234	232	230	228	226	225	223	221	220	219
55	225	224	224	224	222	221	218	216	214	212	211	209	207	204	201	199	197	195	193
60	201	200	200	200	199	196	194	193	192	190	187	184	181	179	176	174	171	169	168
65	177	176	176	175	173	171	171	169	167	164	162	159	156	153	150	148	145	143	142
70	152	152	151	150	148	148	146	144	142	140	137	134	131	128	125	122	119	117	115
75	128	128	127	126	126	124	122	120	118	115	113	109	106	102	98.7	95.5	92.6	90.2	88.7
80	106	106	105	105	104	102	100	97.9	95.2	92.0	88.6	84.8	80.7	76.7	72.9	69.4	66.3	63.8	62.2
85	86.3	86.5	86.6	85.7	84.2	82.0	79.1	75.2	71.7	68.2	64.8	61.6	58.7	56.1	53.8	51.6	49.6	48.0	46.9
90	2.34	38.7	69.4	63.5	48.4	39.9	42.6	47.5	45.8	43.3	40.9	38.9	37.6	36.5	35.4	34.3	33.2	32.2	31.5
95	3.67	11.2	31.0	43.1	16.9	1.43	7.13	19.7	19.6	18.2	16.8	16.1	16.4	16.8	17.0	17.0	16.8	16.5	16.2
100	24.3	24.9	26.3	27.5	16.5	3.76	6.14	10.5	10.6	8.36	4.95	2.36	1.42	1.13	0.95	0.87	0.84	0.86	0.80
105	2.20	2.33	4.02	6.15	7.04	3.14	3.00	6.55	9.90	10.2	7.29	4.88	3.57	2.72	2.05	1.58	1.39	1.33	1.01
110	5.39	5.24	7.29	6.19	7.97	10.1	8.21	8.30	11.3	12.1	9.52	7.20	5.49	4.16	3.06	2.24	1.95	1.78	1.22
115	22.9	22.2	24.4	20.4	19.0	20.0	15.4	14.1	14.4	12.9	11.1	9.24	7.14	5.37	3.92	2.82	2.50	2.21	1.43
120	27.4	27.3	27.0	25.3	23.6	21.5	19.5	16.5	14.5	12.4	10.5	8.65	7.02	5.47	4.17	3.15	2.98	2.60	1.64
125	25.0	25.0	24.6	23.6	21.6	19.8	17.9	15.8	13.4	11.4	9.55	7.60	6.12	4.48	3.35	2.68	2.67	2.36	1.68
130	21.1	21.1	20.6	19.7	18.5	17.1	15.4	13.6	11.8	10.1	8.12	6.40	5.06	3.40	2.65	2.33	2.36	2.13	1.71
135	16.9	17.0	16.8	16.3	15.5	14.2	12.8	11.2	9.68	8.05	6.38	5.21	3.51	2.31	2.07	2.02	2.05	1.93	1.74
140	13.4	13.5	13.3	12.8	12.0	11.0	9.78	8.56	7.27	5.90	4.76	3.51	2.43	1.91	1.80	1.79	1.78	1.77	1.77
145	9.48	9.54	9.37	9.00	8.45	7.73	6.88	5.90	4.88	3.94	2.95	2.39	2.00	1.91	1.88	1.87	1.87	1.87	1.88
150	6.17	6.21	6.09	5.82	5.41	4.85	4.17	3.40	2.61	2.26	2.17	2.04	2.00	1.97	1.96	1.96	1.97	1.98	1.98
155	3.27	3.29	3.20	3.00	2.74	2.41	2.16	2.09	2.08	2.08	2.09	2.08	2.06	2.05	2.04	2.04	2.07	2.09	2.09
160	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.11	2.12	2.15	2.17	2.20	2.19
165	2.12	2.12	2.11	2.11	2.11	2.11	2.11	2.11	2.12	2.12	2.12	2.12	2.13	2.13	2.16	2.17	2.18	2.20	2.19
170	2.15	2.15	2.15	2.14	2.14	2.14	2.14	2.14	2.14	2.15	2.15	2.15	2.17	2.17	2.18	2.18	2.19	2.20	2.19
175	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.19	2.19	2.19	2.19	2.19	2.19
180	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG

Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	
5	345	346	346	346	346	346	346	346	347	347	347	347	347	347	348	348	348	348	348	
10	343	344	344	344	344	344	344	344	344	344	345	345	345	345	345	346	346	346	346	
15	336	336	336	337	337	338	339	339	340	341	341	340	340	341	341	341	341	342	341	
20	328	328	328	329	329	330	330	330	331	332	333	334	334	333	333	334	334	335	334	
25	314	315	316	316	317	318	320	321	321	321	322	323	324	324	324	324	324	325	324	
30	301	301	302	303	303	304	305	306	307	309	309	310	310	312	312	312	312	313	312	
35	281	282	283	284	286	288	290	291	292	293	294	295	295	296	298	297	297	298	297	
40	260	261	262	264	265	267	269	271	274	275	276	277	279	279	280	281	280	281	280	
45	240	241	242	243	245	246	248	250	252	254	257	258	259	260	261	262	261	262	261	
50	220	221	222	223	224	225	226	228	229	231	234	237	238	239	240	241	240	241	240	
55	194	196	197	199	201	203	205	206	207	208	210	212	215	216	217	218	218	218	218	
60	169	170	172	174	175	177	179	182	184	185	186	187	189	192	192	193	194	194	194	
65	143	144	146	148	150	152	154	156	158	160	162	163	164	165	168	168	169	168	169	
70	116	118	120	122	124	127	129	131	133	135	137	138	140	140	142	143	143	144	143	
75	89.9	91.6	93.7	96.1	98.8	102	104	107	109	111	113	114	116	117	118	119	120	120	120	
80	63.5	65.4	67.7	70.4	73.5	76.9	80.1	83.3	86.2	88.9	89.9	88.3	91.3	87.7	84.6	80.3	98.6	98.8	99.1	
85	47.8	49.0	50.3	51.9	53.7	55.7	57.7	60.2	63.0	65.6	65.5	62.4	68.4	70.3	72.6	78.6	74.7	79.4	80.0	
90	32.1	32.8	33.4	34.2	34.9	35.7	36.3	37.5	39.1	38.6	39.9	34.7	33.4	41.6	56.9	63.9	38.8	1.94	41.1	
95	16.5	16.6	16.5	16.4	16.1	15.6	14.7	14.6	15.1	11.6	14.4	8.03	1.36	14.5	39.0	37.0	18.2	8.69	23.8	
100	0.93	0.98	0.88	0.96	1.12	1.39	1.88	3.54	6.31	5.42	7.58	6.07	2.58	14.3	25.1	24.1	23.3	22.0	23.7	
105	1.07	1.41	1.62	2.06	2.64	3.38	4.36	6.13	8.57	8.71	6.51	2.61	3.22	6.83	5.30	2.44	1.70	1.61	1.66	
110	1.19	1.80	2.31	3.07	4.03	5.19	6.62	8.57	10.8	12.6	10.0	8.76	12.1	11.3	8.95	10.2	8.83	9.64	8.13	
115	1.30	2.13	2.93	3.95	5.24	6.77	8.55	10.2	11.7	13.5	14.2	15.3	19.2	21.9	21.4	26.6	25.7	26.6	24.5	
120	1.40	2.34	3.30	4.24	5.40	6.66	8.02	9.62	11.3	13.1	15.3	17.7	19.9	21.8	23.7	25.0	25.5	25.4	25.1	
125	1.46	2.12	2.80	3.45	4.43	5.73	7.12	8.73	10.5	12.3	14.2	16.1	17.9	19.6	21.2	22.1	22.5	22.3	22.1	
130	1.54	1.94	2.38	2.77	3.38	4.91	5.99	7.48	9.25	10.8	12.4	14.0	15.5	16.8	17.9	18.6	18.9	18.6	18.4	
135	1.64	1.81	2.07	2.21	2.38	3.42	4.69	6.01	7.42	8.96	10.3	11.6	13.0	14.2	14.8	15.2	15.4	5.49	8.57	
140	1.75	1.77	1.89	1.95	2.04	2.42	3.49	4.39	5.57	6.79	8.07	9.17	10.1	10.9	11.5	11.9	12.1	11.8	11.9	
145	1.84	1.85	1.91	1.98	2.05	2.13	2.41	2.95	3.71	4.64	5.57	6.51	7.36	8.03	8.48	8.76	8.86	8.69	8.69	
150	1.94	1.94	1.96	2.01	2.07	2.13	2.18	2.25	2.30	2.57	3.30	3.97	4.55	5.05	5.42	5.66	5.74	5.63	5.70	
155	2.03	2.03	2.04	2.06	2.08	2.14	2.19	2.21	2.22	2.20	2.18	2.23	2.41	2.66	2.87	3.02	3.07	3.00	3.11	
160	2.13	2.12	2.11	2.12	2.12	2.12	2.14	2.19	2.20	2.21	2.21	2.22	2.22	2.21	2.21	2.21	2.22	2.19	2.20	
165	2.16	2.14	2.14	2.14	2.14	2.15	2.15	2.15	2.16	2.17	2.19	2.20	2.20	2.21	2.21	2.21	2.21	2.19	2.18	
170	2.18	2.17	2.16	2.16	2.16	2.17	2.17	2.17	2.18	2.18	2.18	2.19	2.19	2.20	2.20	2.21	2.21	2.20	2.19	
175	2.19	2.19	2.19	2.18	2.18	2.19	2.19	2.19	2.19	2.19	2.19	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.20	
180	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.17	2.17	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG

Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	
5	348	347	347	347	347	347	347	347	346	346	346	346	346	346	345	345	345	345	345	
10	346	345	345	345	344	344	344	344	344	344	344	344	343	343	343	343	343	343	343	
15	341	340	340	340	340	340	340	339	339	338	337	337	336	336	335	335	335	335	335	
20	333	333	333	333	333	332	331	330	330	329	329	328	328	328	327	327	326	327	327	
25	324	324	324	323	322	321	321	320	320	319	319	318	318	317	317	316	316	317	317	
30	311	312	311	310	309	309	309	308	308	308	307	307	307	307	307	306	306	306	307	
35	297	297	296	295	295	294	294	295	295	295	294	292	291	290	289	288	287	288	289	
40	280	280	279	278	278	279	279	279	278	276	275	273	272	271	270	270	269	270	271	
45	262	260	260	260	261	262	260	259	257	256	255	255	254	253	252	251	251	252	253	
50	240	239	239	240	241	240	238	237	237	236	236	236	235	234	234	233	232	233	235	
55	217	217	218	219	218	217	216	216	216	217	216	214	213	212	211	209	209	210	212	
60	193	193	196	194	194	194	195	195	194	193	192	191	189	188	187	186	185	186	188	
65	168	170	169	170	170	171	171	170	170	169	167	166	164	162	161	159	158	160	162	
70	144	145	145	146	147	147	146	145	144	143	141	140	138	136	134	133	132	134	136	
75	121	121	122	123	123	123	122	121	119	118	116	114	112	110	108	106	105	107	109	
80	99.6	101	101	101	101	99.7	98.3	96.5	94.5	92.5	90.4	88.0	85.5	83.3	81.4	79.8	78.8	80.5	83.0	
85	81.0	81.4	81.1	80.4	79.2	76.8	74.2	71.6	69.2	67.5	66.2	64.8	63.3	62.1	61.0	60.0	59.2	60.5	62.2	
90	63.6	51.7	39.9	39.4	47.1	48.9	47.0	44.9	43.2	42.4	42.3	42.1	41.6	41.2	40.7	40.2	39.7	40.5	41.5	
95	44.6	31.2	6.60	2.81	15.8	20.8	19.5	18.1	17.1	17.3	18.4	19.3	19.9	20.3	20.4	20.4	20.2	20.5	20.8	
100	23.4	24.2	12.9	4.24	9.88	11.4	10.3	7.35	3.92	1.83	1.20	0.94	0.85	0.79	0.76	0.75	0.68	0.68	0.75	
105	2.17	5.01	6.36	2.93	3.18	7.54	9.77	8.55	5.76	3.70	2.36	1.72	1.49	1.27	1.04	1.00	0.96	1.01	1.09	
110	9.15	8.44	10.5	11.4	8.26	8.72	11.0	9.92	7.47	5.29	3.23	2.45	1.94	1.71	1.32	1.25	1.25	1.35	1.43	
115	25.1	20.5	20.8	18.5	14.4	12.9	12.3	10.4	8.55	6.40	3.86	3.14	2.00	2.09	1.60	1.49	1.53	1.68	1.74	
120	24.4	22.9	21.1	19.2	16.8	14.3	11.9	9.87	8.04	6.00	3.94	3.48	2.62	2.29	1.87	1.71	1.82	2.00	2.00	
125	21.6	20.6	18.9	17.1	15.3	13.1	10.9	9.02	7.40	5.61	3.21	3.31	2.55	2.00	1.83	1.67	1.77	1.90	1.90	
130	17.8	16.8	16.2	14.9	13.2	11.4	9.61	8.16	6.86	4.78	3.56	2.67	2.21	1.80	1.77	1.65	1.72	1.81	1.80	
135	11.8	13.9	13.8	12.6	11.2	9.58	6.51	7.07	5.95	2.66	3.17	2.09	1.90	1.71	1.71	1.64	1.67	1.71	1.70	
140	11.8	11.5	11.0	10.1	6.53	4.83	6.73	5.69	3.21	3.28	2.38	1.88	1.75	1.68	1.66	1.64	1.62	1.61	1.62	
145	8.15	6.74	4.77	4.76	6.52	5.92	4.85	3.38	3.02	2.40	1.96	1.86	1.79	1.76	1.74	1.72	1.71	1.70	1.71	
150	5.67	5.56	5.27	4.83	4.35	3.76	3.08	2.47	2.21	1.98	1.93	1.89	1.85	1.83	1.82	1.81	1.79	1.79	1.79	
155	3.12	3.03	2.89	2.70	2.47	2.30	2.18	2.05	2.00	1.98	1.96	1.95	1.93	1.92	1.91	1.89	1.88	1.88	1.89	
160	2.20	2.20	2.18	2.14	2.11	2.08	2.06	2.05	2.04	2.03	2.02	2.01	2.00	2.00	1.99	1.98	1.97	1.97	1.98	
165	2.17	2.16	2.15	2.14	2.12	2.11	2.10	2.09	2.08	2.07	2.07	2.06	2.06	2.05	2.03	2.03	2.02	2.02	2.02	
170	2.18	2.18	2.17	2.16	2.15	2.15	2.14	2.13	2.12	2.12	2.11	2.10	2.09	2.09	2.08	2.08	2.07	2.07	2.07	
175	2.20	2.19	2.18	2.18	2.17	2.17	2.16	2.16	2.15	2.15	2.14	2.14	2.13	2.13	2.13	2.13	2.12	2.12	2.12	
180	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG

Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: ABH14O2TB 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4																UNIT: cd			
<div>C (DEG) γ (DEG)</div>	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347				
5	346	346	346	346	346	346	347	347	347	347	347	348	348	348	348				
10	343	344	344	344	344	344	344	345	345	345	345	346	346	346	347				
15	336	336	337	338	338	339	340	341	341	341	341	341	342	342	343				
20	328	328	329	329	330	331	331	332	333	335	335	335	335	335	336				
25	318	318	319	320	320	321	322	322	323	324	325	326	326	326	327				
30	307	308	308	309	309	309	310	311	311	312	312	314	314	314	315				
35	291	292	294	295	297	297	297	297	297	298	298	299	301	300	301				
40	272	274	275	277	278	280	282	282	282	282	282	283	284	284	284				
45	254	255	257	258	259	260	262	264	266	265	265	265	265	266	266				
50	236	237	238	239	240	241	242	243	244	246	246	245	245	246	246				
55	213	215	217	219	221	221	221	222	222	223	225	224	223	223	224				
60	190	192	194	196	197	199	201	201	200	200	200	201	200	200	200				
65	164	167	169	171	173	175	176	177	178	177	177	176	177	176	176				
70	138	141	143	146	148	150	151	152	153	154	154	153	152	152	151				
75	112	115	117	120	123	125	127	128	129	130	131	131	129	129	128				
80	85.6	88.6	91.8	95.2	97.9	100	102	105	106	108	108	108	108	107	106				
85	63.8	65.7	67.8	70.0	72.0	74.1	76.5	79.3	82.5	85.9	87.4	88.3	88.5	88.2	87.3				
90	42.3	43.2	44.0	44.7	45.2	46.1	47.1	48.6	50.3	46.6	42.6	47.4	60.4	70.5	42.5				
95	20.8	20.6	20.2	19.3	18.3	18.1	17.7	17.6	17.9	8.23	1.30	12.1	37.4	38.4	16.0				
100	0.74	0.81	0.95	1.11	1.73	3.87	6.25	7.70	8.75	6.19	2.98	13.5	25.2	25.0	25.6				
105	1.23	1.63	1.97	2.38	3.40	5.68	8.10	7.70	5.48	2.84	3.11	5.76	5.58	3.41	2.44				
110	1.67	2.38	2.97	3.53	4.79	7.26	9.88	9.30	7.29	7.97	9.81	7.88	6.04	6.56	4.90				
115	2.07	3.00	3.92	4.51	5.83	8.25	10.7	12.2	12.6	14.7	19.3	18.4	19.5	22.1	21.2				
120	2.31	3.21	4.24	4.94	6.21	8.29	10.5	12.8	14.9	18.2	20.8	22.7	24.1	26.0	26.7				
125	2.05	2.64	3.79	4.86	6.32	8.19	10.2	12.3	14.5	16.8	19.0	20.9	22.8	23.8	24.5				
130	1.85	2.17	3.13	4.41	5.96	7.93	9.95	11.3	12.9	14.7	16.5	18.5	19.7	20.3	20.8				
135	1.69	1.81	2.32	3.60	5.07	6.67	8.29	9.76	11.2	12.6	14.1	15.4	16.1	16.6	16.9				
140	1.62	1.67	1.81	2.59	3.63	4.92	6.25	7.61	8.90	10.2	11.4	12.2	12.8	13.3	13.4				
145	1.70	1.72	1.78	1.95	2.51	3.22	4.26	5.30	6.31	7.27	8.11	8.76	9.21	9.47	9.55				
150	1.79	1.79	1.82	1.86	1.95	2.19	2.47	3.14	3.89	4.56	5.13	5.61	5.94	6.15	6.20				
155	1.89	1.88	1.88	1.90	1.92	1.94	1.97	2.07	2.20	2.42	2.70	2.96	3.16	3.28	3.30				
160	1.97	1.98	1.96	1.96	1.96	1.97	1.98	1.99	2.00	2.01	2.04	2.06	2.08	2.08	2.07				
165	2.03	2.02	2.03	2.02	2.02	2.02	2.02	2.03	2.04	2.04	2.05	2.06	2.07	2.08	2.09				
170	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.11	2.11	2.12				
175	2.12	2.13	2.13	2.12	2.12	2.12	2.13	2.13	2.13	2.14	2.14	2.15	2.15	2.16	2.16				
180	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2023-09-05

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG

Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks: