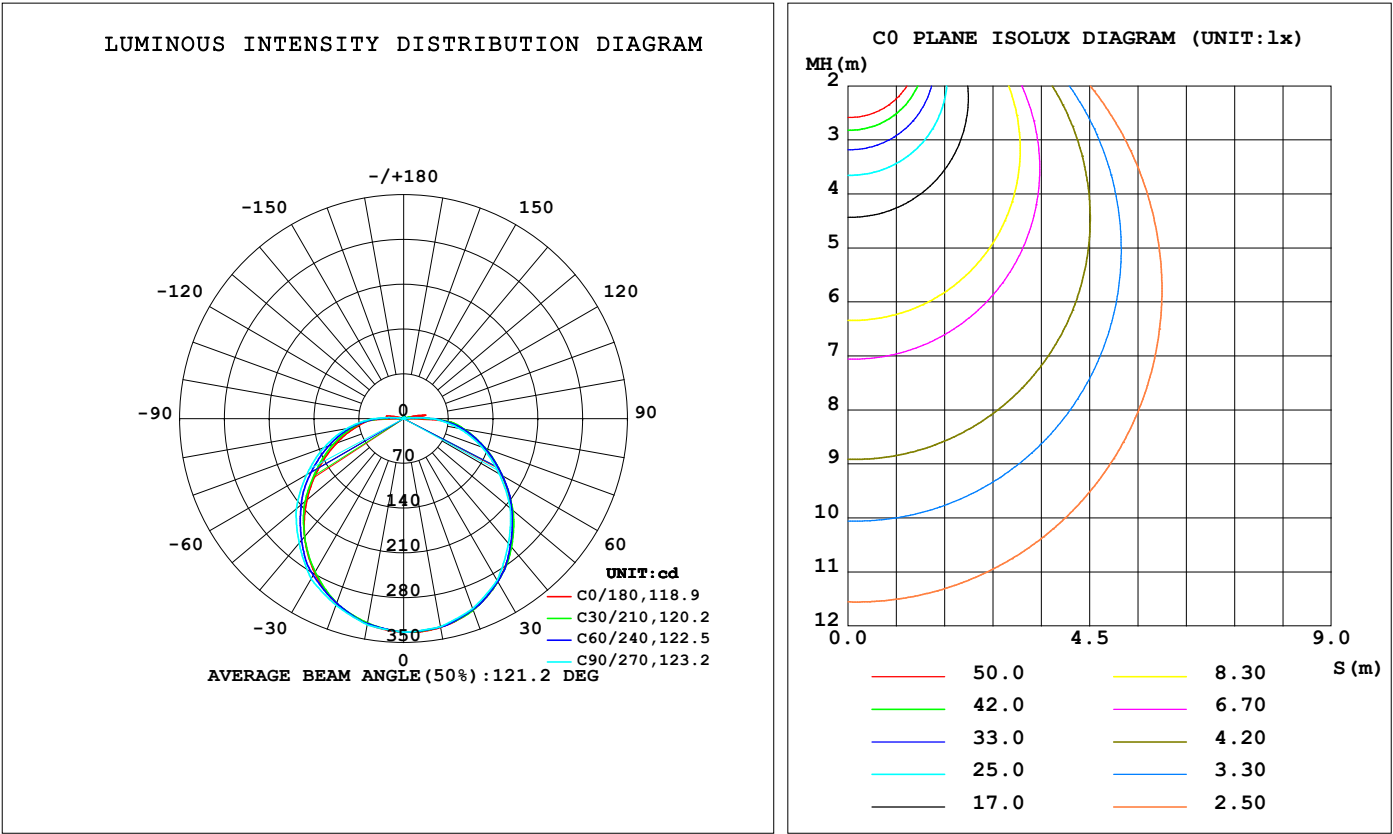


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: ABH14R2TB 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 85.02 lm/W
MODEL	ABH14R2TB 3000K	Imax (cd)	334.2	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	13.5	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1150.9	η UP,DN(C0-180)	1.5,48.5	
NOMINAL FLUX(lm)	1150.94	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.6,48.4	
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	230	η down (%)	96.9	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	331.4	330.6	330.2	326.8	325.8	324.6	327.3	328.4	0- 10	31.53	31.53	2.74,2.74
20	318.0	317.4	315.9	309.8	307.1	305.8	310.0	313.3	10- 20	90.68	122.2	10.6,10.6
30	294.2	294.8	292.1	283.3	278.3	278.8	289.4	289.9	20- 30	138.7	260.9	22.7,22.7
40	261.2	262.9	254.8	248.5	240.9	246.7	254.2	260.5	30- 40	169.7	430.6	37.4,37.4
50	221.0	220.9	217.6	203.7	197.3	203.7	219.1	220.2	40- 50	180.1	610.7	53.1,53.1
60	177.1	179.8	172.5	160.7	152.5	162.4	174.9	180.7	50- 60	171.4	782.0	67.9,67.9
70	133.7	136.3	130.1	118.2	111.2	120.8	132.5	137.8	60- 70	147.0	929.1	80.7,80.7
80	94.30	96.42	87.62	80.65	75.55	83.33	90.01	98.23	70- 80	113.8	1043	90.6,90.6
90	0.6745	43.83	44.19	35.70	0.5969	37.60	45.40	44.82	80- 90	72.62	1115	96.9,96.9
100	32.13	2.225	0.7637	1.375	23.91	2.168	0.7842	2.296	90-100	22.85	1138	98.9,98.9
110	1.875	1.193	0.9371	1.156	1.243	1.355	0.9995	1.166	100-110	5.538	1144	99.4,99.4
120	1.791	1.495	1.111	1.751	2.742	1.793	1.215	1.526	110-120	1.572	1145	99.5,99.5
130	1.809	1.520	1.329	1.712	1.967	1.678	1.388	1.453	120-130	1.714	1147	99.7,99.7
140	1.451	1.438	1.548	1.687	1.714	1.661	1.562	1.434	130-140	1.212	1148	99.8,99.8
150	1.596	1.624	1.687	1.829	1.825	1.831	1.711	1.614	140-150	1.020	1149	99.9,99.9
160	1.757	1.753	1.825	1.889	1.985	1.915	1.860	1.796	150-160	0.8182	1150	99.9,99.9
170	1.895	1.866	1.902	1.938	2.075	2.008	1.964	1.935	160-170	0.5351	1151	100,100
180	1.978	1.978	1.978	1.978	2.068	2.068	2.068	2.068	170-180	0.1885	1151	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 520.52 lm

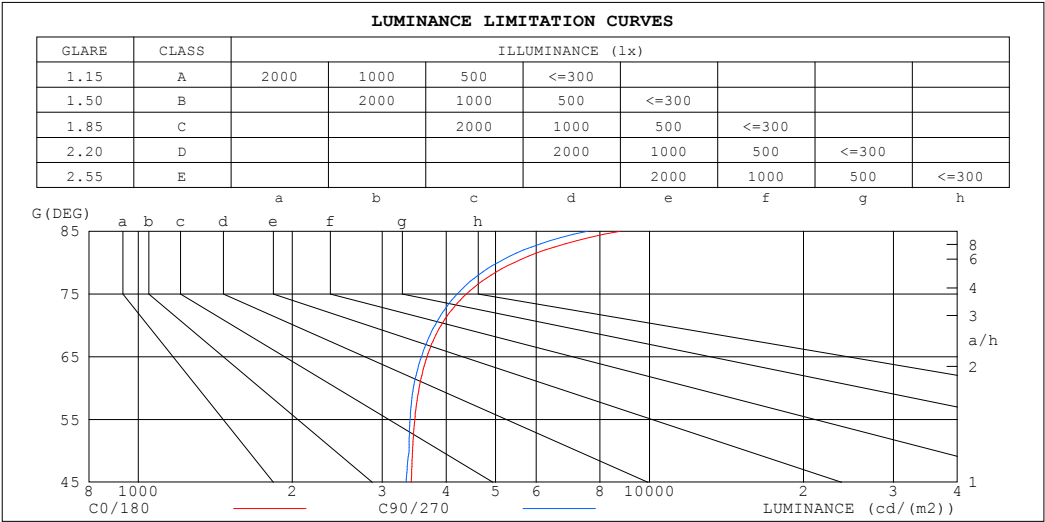
%lum = 45.2%
%lamp = 45.2%

Conical surface Flux(120deg): 782.04 lm

%lum = 67.9%
%lamp = 67.9%

LUMINANCE LIMITATION CURVES

NAME: ABH14R2TB 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8757	7562
80	5430	5046
75	4383	4205
70	3909	3802
65	3670	3579
60	3542	3450
55	3475	3400
50	3438	3385
45	3420	3341

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:

WEC AND CCEC

NAME: ABH14R2TB 3000K	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	.373	.212	.067	.365	.208	.066	.350	.201	.064	.335	.193	.062	.322	.187	.060	
2.0	.329	.181	.055	.322	.177	.055	.309	.172	.053	.296	.166	.052	.284	.161	.051	
3.0	.295	.157	.047	.289	.155	.047	.277	.150	.046	.266	.145	.045	.255	.141	.044	
4.0	.267	.139	.041	.262	.137	.040	.251	.133	.040	.241	.129	.039	.231	.126	.038	
5.0	.244	.124	.036	.239	.123	.036	.229	.119	.035	.220	.116	.035	.212	.113	.034	
6.0	.224	.112	.032	.219	.111	.032	.211	.108	.031	.203	.105	.031	.195	.103	.030	
7.0	.207	.102	.029	.203	.101	.029	.195	.099	.028	.188	.096	.028	.181	.094	.028	
8.0	.192	.094	.026	.188	.093	.026	.181	.091	.026	.175	.089	.026	.169	.087	.025	
9.0	.179	.087	.024	.176	.086	.024	.170	.084	.024	.164	.082	.023	.158	.080	.023	
10.0	.168	.081	.022	.165	.080	.022	.159	.078	.022	.154	.076	.022	.149	.075	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.208	.179	.153	.178	.154	.132	.122	.106	.091	.070	.061	.053	.022	.020	.017	
2.0	.201	.156	.117	.172	.134	.101	.118	.093	.071	.068	.054	.041	.022	.017	.014	
3.0	.193	.138	.095	.166	.119	.082	.114	.083	.058	.066	.048	.034	.021	.016	.011	
4.0	.185	.125	.080	.159	.108	.069	.109	.076	.049	.063	.044	.029	.020	.014	.009	
5.0	.178	.115	.069	.152	.100	.060	.105	.070	.043	.061	.041	.025	.020	.013	.008	
6.0	.170	.107	.062	.146	.093	.054	.101	.065	.038	.058	.038	.023	.019	.012	.007	
7.0	.163	.100	.056	.140	.087	.049	.097	.061	.035	.056	.036	.021	.018	.012	.007	
8.0	.156	.094	.052	.134	.082	.046	.093	.058	.032	.054	.034	.019	.017	.011	.006	
9.0	.150	.089	.049	.129	.078	.043	.089	.055	.030	.052	.032	.018	.017	.011	.006	
10.0	.144	.085	.046	.124	.074	.040	.086	.052	.029	.050	.031	.017	.016	.010	.006	

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:

UGR(Unified Glare Rating) Table

NAME: ABH14R2TB 3000K	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	16.9	18.4	18.7	16.6	18.1	16.9	18.4	18.7
3H	18.7	20.1	19.0	20.4	20.7	18.6	20.1	18.9	20.3	20.7
4H	19.7	21.1	20.1	21.5	21.8	19.6	21.0	20.0	21.3	21.7
6H	20.9	22.2	21.3	22.5	22.9	20.7	22.0	21.1	22.3	22.7
8H	21.5	22.7	21.9	23.1	23.5	21.2	22.5	21.6	22.8	23.2
12H	22.1	23.4	22.5	23.7	24.1	21.8	23.0	22.2	23.4	23.7
4H 2H	17.4	18.8	17.7	19.1	19.4	17.3	18.7	17.7	19.0	19.4
3H	19.7	20.9	20.1	21.3	21.6	19.6	20.8	20.0	21.2	21.6
4H	20.9	22.0	21.3	22.4	22.8	20.8	21.9	21.2	22.3	22.7
6H	22.2	23.2	22.7	23.7	24.1	22.1	23.1	22.5	23.5	23.9
8H	22.9	23.9	23.4	24.3	24.8	22.7	23.6	23.1	24.1	24.5
12H	23.7	24.6	24.2	25.1	25.5	23.3	24.2	23.8	24.7	25.2
8H 4H	21.4	22.4	21.9	22.8	23.3	21.3	22.3	21.8	22.7	23.2
6H	23.0	23.8	23.5	24.3	24.8	22.9	23.7	23.4	24.1	24.6
8H	23.9	24.6	24.4	25.1	25.6	23.7	24.4	24.2	24.9	25.4
12H	24.9	25.6	25.5	26.1	26.6	24.5	25.2	25.1	25.7	26.2
12H 4H	21.5	22.4	22.0	22.9	23.3	21.5	22.3	21.9	22.8	23.3
6H	23.2	24.0	23.7	24.4	25.0	23.1	23.8	23.6	24.3	24.8
8H	24.2	24.9	24.8	25.4	25.9	24.0	24.6	24.5	25.1	25.7
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, 1151 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)
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: ABH14R2TB 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

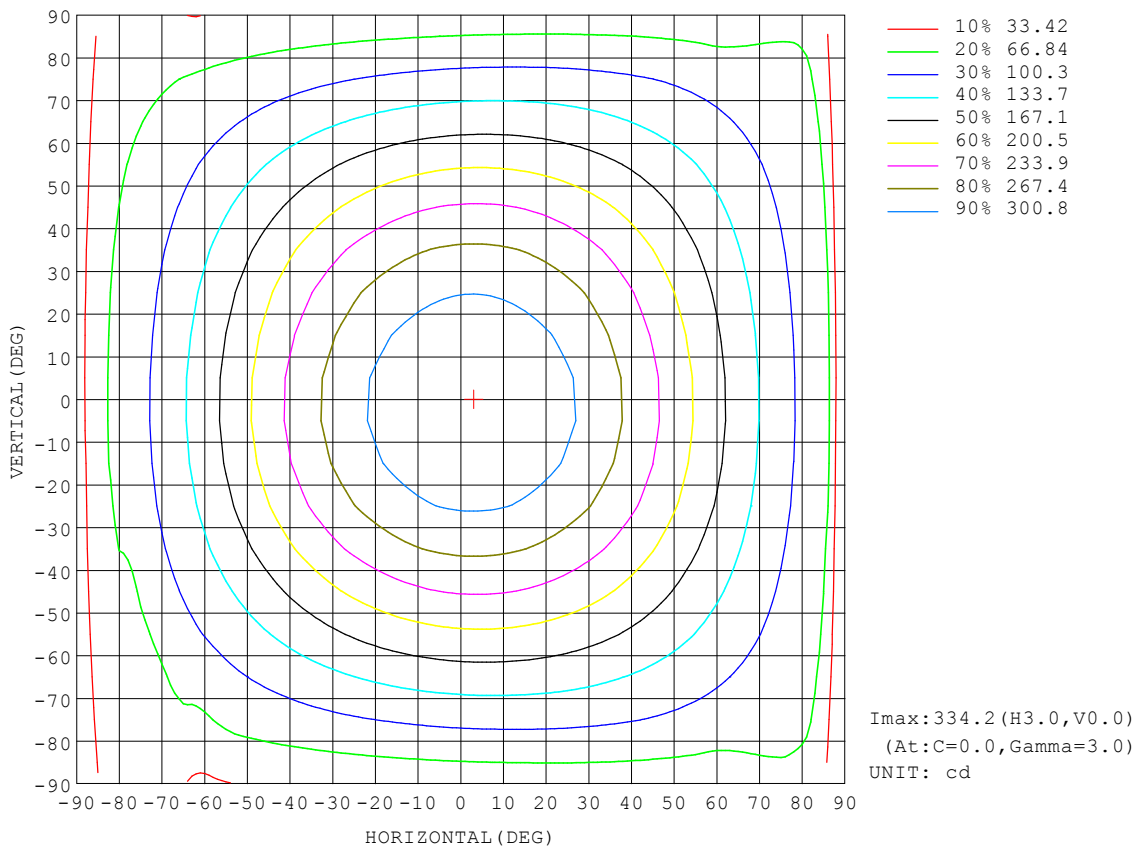
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	53	41	34	51	41	34	27
0.80	63	51	43	62	50	43	60	49	42	35
1.00	71	59	51	70	58	51	67	60	50	42
1.25	78	66	58	76	65	58	73	64	57	49
1.50	83	72	64	81	71	63	78	69	62	54
2.00	90	80	73	88	79	72	84	76	70	61
2.50	94	85	78	92	84	77	88	81	75	65
3.00	98	90	83	95	88	82	91	85	79	70
4.00	102	95	89	100	93	88	95	90	85	75
5.00	105	99	94	102	97	92	97	93	89	78
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: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:

ISOCANDELA DIAGRAM

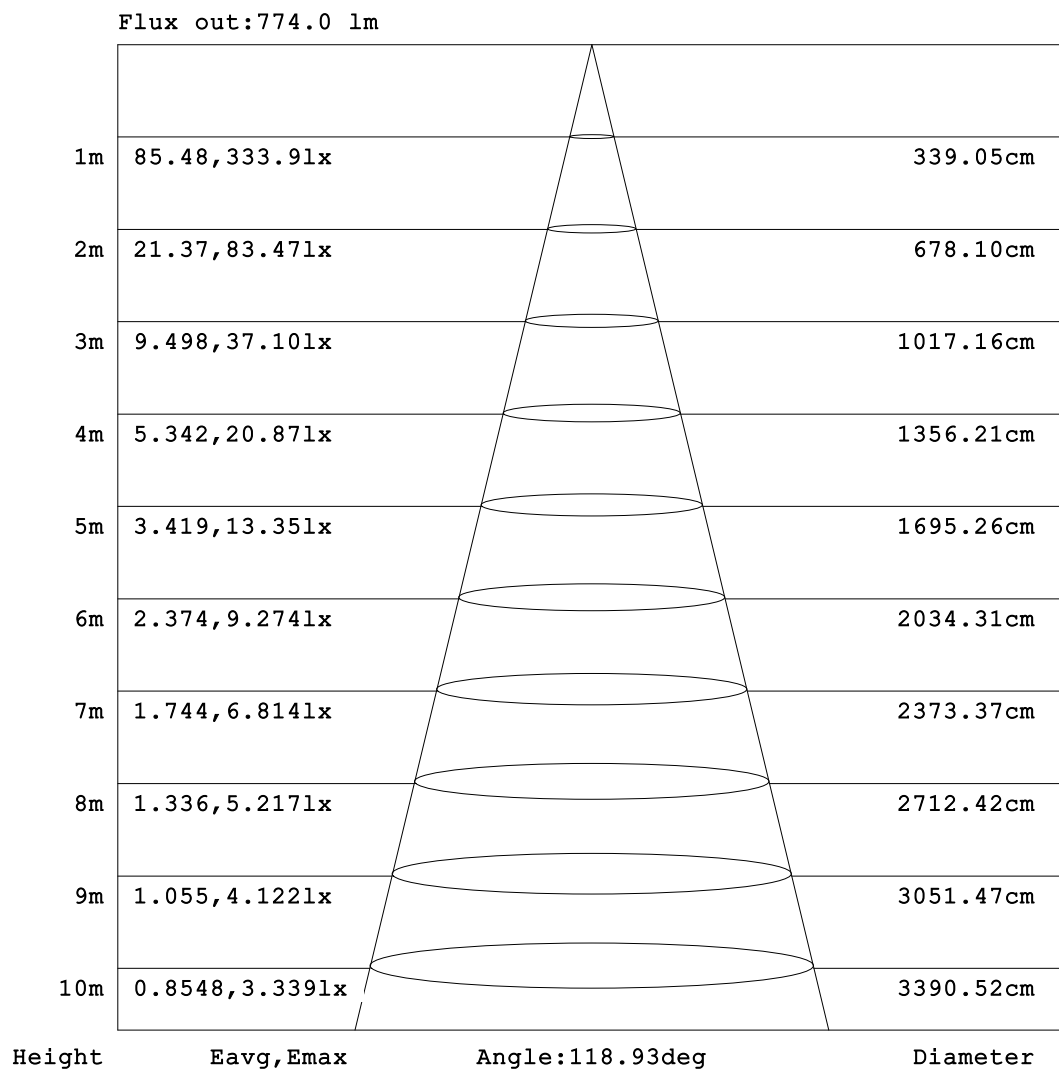
NAME: ABH14R2TB 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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: ABH14R2TB 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

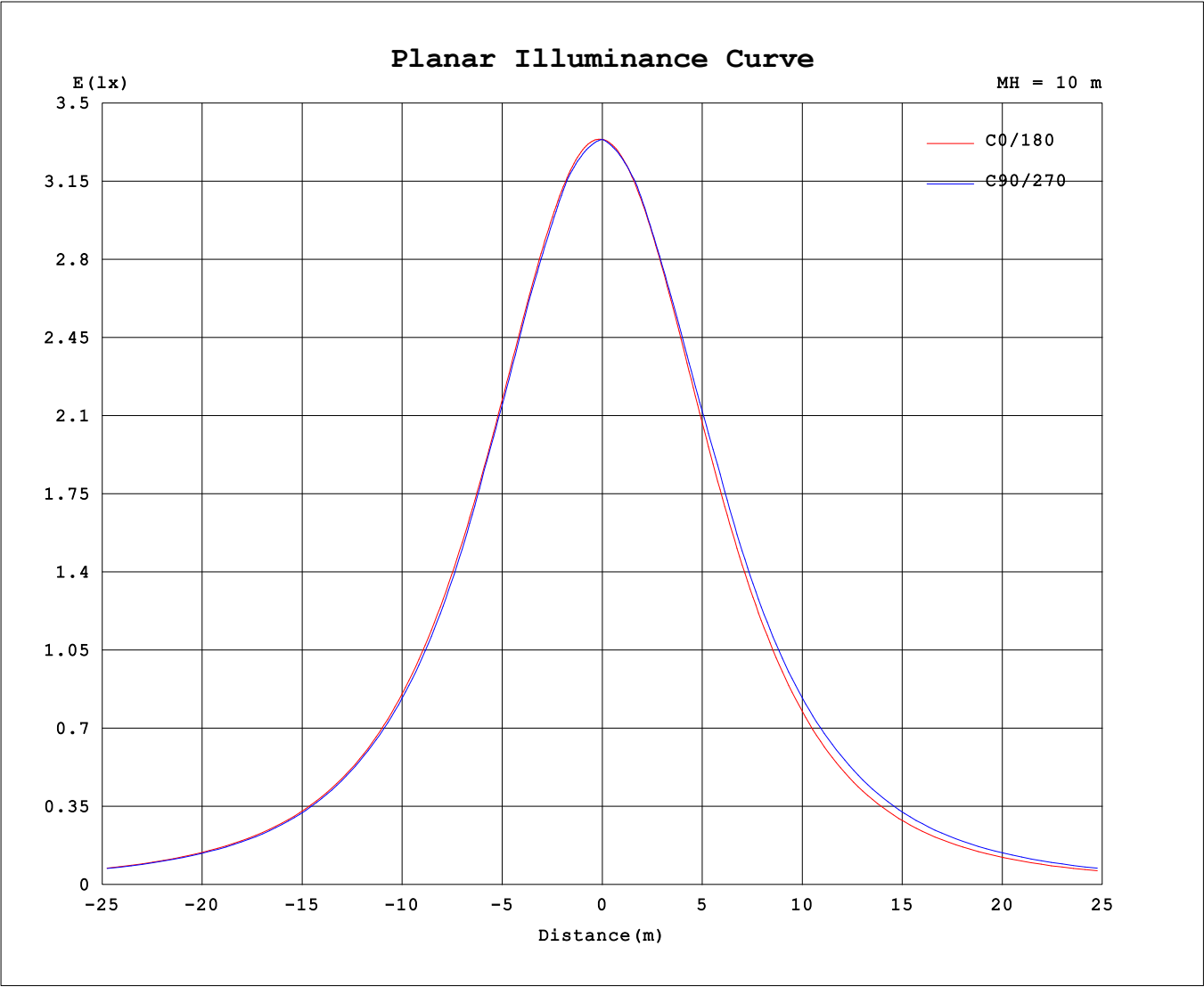


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: ABH14R2TB 3000K	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	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
5	334	334	334	333	333	333	333	333	333	333	333	333	333	333	332	332	332	332	332
10	331	331	331	331	331	330	330	330	330	331	331	331	331	331	331	331	331	330	330
15	326	326	325	325	325	325	326	326	326	326	326	325	325	325	324	324	324	323	323
20	318	317	317	317	318	318	319	318	318	317	317	317	317	317	317	317	317	316	316
25	307	307	307	307	308	308	307	307	307	308	308	308	307	307	306	306	305	305	304
30	294	294	294	294	295	294	294	295	295	295	294	294	294	294	294	294	293	293	292
35	279	278	278	279	279	279	280	280	279	280	280	280	279	278	277	276	275	274	273
40	261	261	261	261	262	263	262	262	263	263	262	261	260	259	258	257	257	256	255
45	242	241	242	242	243	243	243	244	243	242	241	241	240	240	239	239	238	237	236
50	221	220	221	222	222	222	223	222	221	221	221	221	221	221	220	220	219	219	218
55	199	199	199	201	200	201	200	200	200	200	201	201	201	200	199	198	197	196	195
60	177	177	178	178	179	178	178	179	179	180	179	179	178	177	177	176	175	174	172
65	155	155	156	156	156	156	157	158	158	158	157	157	156	156	155	154	153	152	151
70	134	134	134	134	135	136	136	136	136	136	136	136	136	135	134	133	132	131	130
75	113	114	114	114	115	116	116	116	116	116	116	116	115	114	113	112	111	110	109
80	94.3	94.5	95.0	95.7	96.0	96.3	96.6	96.7	96.7	96.4	96.0	95.3	94.5	93.5	92.3	91.0	89.7	88.7	87.6
85	76.3	77.0	77.8	78.1	78.4	78.5	78.2	75.8	74.2	73.0	72.0	71.2	70.5	69.8	69.0	68.1	67.4	66.7	65.9
90	0.67	38.4	61.9	61.6	56.0	47.1	40.1	42.2	43.1	43.8	44.4	44.8	45.0	45.2	45.3	45.2	44.9	44.7	44.2
95	1.18	8.18	14.3	45.8	35.7	17.1	1.79	8.71	12.1	14.8	16.9	18.4	19.5	20.7	21.6	22.2	22.5	22.7	22.5
100	32.1	32.5	30.5	33.0	29.4	17.3	6.63	3.87	2.49	2.23	1.94	1.45	0.82	0.74	0.74	0.74	0.77	0.85	0.76
105	14.4	14.0	15.4	15.3	16.2	15.4	8.99	2.69	1.73	1.66	1.56	1.40	0.94	0.87	0.84	0.84	0.86	0.92	0.85
110	1.88	1.73	3.31	3.31	4.11	6.49	4.38	1.29	1.08	1.19	1.22	1.39	1.07	0.99	0.94	0.93	0.95	0.98	0.94
115	1.37	1.40	1.44	1.47	1.40	1.97	1.93	2.16	1.68	1.24	1.30	1.42	1.20	1.10	1.04	1.02	1.03	1.05	1.02
120	1.79	1.82	1.98	2.17	2.15	2.12	3.10	2.93	1.99	1.50	1.54	1.36	1.23	1.18	1.13	1.11	1.12	1.11	1.11
125	2.88	2.88	2.93	2.85	2.39	2.75	3.11	2.73	2.03	1.64	1.46	1.32	1.27	1.24	1.23	1.22	1.23	1.22	1.22
130	1.81	1.91	1.88	1.77	1.87	2.09	2.08	1.95	1.76	1.52	1.38	1.33	1.33	1.32	1.32	1.32	1.34	1.33	1.33
135	1.42	1.47	1.48	1.46	1.41	1.53	1.61	1.60	1.49	1.42	1.38	1.38	1.40	1.42	1.42	1.44	1.45	1.44	1.44
140	1.45	1.44	1.43	1.42	1.42	1.44	1.46	1.45	1.44	1.44	1.44	1.47	1.48	1.50	1.52	1.54	1.56	1.55	1.55
145	1.52	1.51	1.49	1.48	1.47	1.47	1.47	1.50	1.50	1.50	1.54	1.54	1.55	1.57	1.59	1.60	1.61	1.61	1.62
150	1.60	1.58	1.56	1.56	1.56	1.56	1.56	1.57	1.60	1.62	1.61	1.61	1.63	1.66	1.66	1.66	1.67	1.68	1.69
155	1.67	1.66	1.65	1.65	1.64	1.66	1.67	1.67	1.67	1.67	1.67	1.70	1.73	1.73	1.72	1.73	1.73	1.75	1.76
160	1.76	1.75	1.74	1.74	1.73	1.73	1.73	1.73	1.73	1.75	1.78	1.78	1.78	1.78	1.78	1.79	1.80	1.81	1.83
165	1.83	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.83	1.84	1.84	1.85	1.86	1.86
170	1.89	1.89	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.89	1.89	1.90	1.90
175	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94
180	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98

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: FMYB14SY-HJ 3000K BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2										UNIT: cd									
<div>C (DEG) γ (DEG)</div>	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
5	332	332	332	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331
10	330	330	329	329	329	328	328	327	327	326	326	326	326	325	325	325	326	326	325
15	323	322	322	322	321	321	321	321	320	320	319	319	318	318	317	317	317	318	317
20	315	315	314	313	313	312	311	310	310	309	309	309	309	308	307	307	307	307	306
25	303	303	302	301	301	300	300	299	298	297	296	296	296	295	294	294	293	294	293
30	291	290	289	288	287	286	285	284	283	283	282	281	280	280	279	278	278	278	277
35	273	272	271	271	270	270	270	268	267	265	265	264	263	262	262	261	260	261	259
40	254	253	252	251	250	249	249	248	248	247	245	244	244	242	242	242	241	241	240
45	235	234	233	231	230	229	228	227	226	226	226	224	223	222	221	221	219	220	219
50	216	215	213	212	210	208	206	205	204	203	202	202	201	200	199	198	197	197	196
55	194	193	191	190	189	187	186	184	182	180	179	179	179	177	176	175	175	175	174
60	171	170	169	167	166	165	163	162	161	159	157	156	155	156	154	153	153	152	152
65	150	149	147	146	144	143	141	140	139	138	136	135	134	133	133	132	132	131	131
70	129	128	126	125	124	122	121	120	118	117	116	115	114	113	112	112	112	111	111
75	108	107	105	104	103	102	101	100	99.1	98.0	97.0	95.7	95.1	94.2	93.3	93.2	92.8	92.7	92.5
80	86.5	85.5	84.6	83.9	83.3	82.7	82.0	81.3	80.7	79.9	78.6	74.9	74.3	72.6	67.9	66.7	75.7	75.6	75.9
85	65.1	64.2	63.3	62.6	61.9	61.2	60.6	60.3	60.0	60.0	59.0	53.8	55.8	55.4	53.6	60.2	57.5	60.0	60.8
90	43.6	42.8	42.0	41.1	40.1	39.1	38.0	37.0	35.7	34.2	32.2	27.3	34.3	40.5	46.0	46.4	32.2	0.60	34.4
95	22.2	21.5	20.6	19.6	18.4	17.0	15.4	13.8	11.5	8.60	5.92	1.36	13.9	26.8	33.5	12.7	8.42	2.52	10.2
100	0.88	0.80	0.77	0.78	0.78	0.79	0.97	1.34	1.38	1.06	1.90	4.48	12.6	21.2	23.6	22.1	23.0	23.9	24.4
105	0.93	0.90	0.88	0.90	0.91	0.92	1.06	1.34	1.26	1.03	1.29	5.36	10.5	11.2	10.6	10.7	9.88	10.3	10.7
110	0.99	0.99	0.98	1.01	1.04	1.05	1.17	1.39	1.16	1.08	1.34	2.57	4.37	3.02	2.06	2.45	1.39	1.24	1.67
115	1.05	1.08	1.09	1.12	1.16	1.18	1.27	1.46	1.41	1.53	2.07	2.33	1.97	1.57	1.71	1.75	1.58	1.63	1.75
120	1.11	1.16	1.19	1.23	1.26	1.29	1.34	1.49	1.75	1.82	2.36	3.29	2.88	2.39	2.83	2.90	2.63	2.74	2.74
125	1.22	1.26	1.29	1.30	1.34	1.38	1.42	1.54	1.73	2.03	2.35	2.53	2.64	2.51	2.44	2.62	2.69	2.72	2.92
130	1.34	1.36	1.38	1.39	1.42	1.45	1.51	1.58	1.71	1.84	1.99	2.00	1.97	1.88	1.84	1.92	1.94	1.97	2.06
135	1.45	1.46	1.48	1.48	1.50	1.53	1.56	1.62	1.67	1.72	1.77	1.80	1.71	1.64	1.65	1.66	1.67	1.71	1.74
140	1.56	1.56	1.57	1.58	1.58	1.60	1.63	1.66	1.69	1.71	1.72	1.72	1.70	1.67	1.65	1.65	1.65	1.71	1.71
145	1.63	1.63	1.64	1.66	1.66	1.68	1.70	1.73	1.74	1.76	1.76	1.76	1.74	1.73	1.71	1.70	1.70	1.76	1.76
150	1.70	1.71	1.72	1.73	1.75	1.76	1.78	1.80	1.83	1.84	1.83	1.81	1.80	1.77	1.76	1.76	1.76	1.83	1.82
155	1.77	1.78	1.79	1.80	1.82	1.83	1.85	1.86	1.87	1.87	1.87	1.86	1.85	1.84	1.83	1.82	1.81	1.90	1.90
160	1.85	1.85	1.85	1.86	1.86	1.87	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.88	1.88	1.88	1.88	1.99	1.97
165	1.88	1.88	1.88	1.89	1.90	1.90	1.90	1.91	1.92	1.92	1.93	1.93	1.93	1.94	1.93	1.93	1.93	2.02	2.01
170	1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.95	1.95	1.96	1.96	1.97	1.97	1.98	2.08	2.07
175	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.98	2.09	2.08
180	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.07	2.07

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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FMYB14SY-HJ 3000K BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--3										UNIT: cd									
<div>C (DEG) γ (DEG)</div>	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334
5	331	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	331	331	331
10	325	325	324	324	324	324	324	325	325	325	325	326	326	326	327	327	327	327	328
15	317	316	316	316	316	317	317	317	317	317	317	317	317	318	318	318	319	319	319
20	306	305	306	306	307	306	306	306	306	306	307	307	308	308	309	310	310	310	311
25	292	292	293	293	292	292	293	293	294	295	295	296	297	298	298	299	300	300	301
30	277	277	277	277	277	277	278	279	280	281	283	284	285	287	288	289	289	290	290
35	259	260	259	259	260	260	262	263	265	267	268	268	269	270	270	271	272	273	273
40	240	240	239	240	241	243	245	247	247	247	248	249	250	251	252	253	254	255	256
45	219	218	218	220	222	224	225	225	226	227	229	230	232	233	234	236	237	238	238
50	197	196	197	199	201	202	202	204	205	207	209	211	213	215	216	218	219	220	221
55	174	174	176	178	178	179	181	183	185	187	189	191	192	193	195	196	197	198	199
60	152	153	155	155	156	158	160	162	164	165	167	168	170	171	172	174	175	176	177
65	131	133	133	134	136	138	140	141	142	144	145	147	148	150	151	153	154	155	156
70	112	113	114	115	117	118	119	121	122	124	125	126	128	129	130	131	132	134	134
75	93.7	94.4	96.0	97.3	98.5	99.4	101	102	103	104	105	106	107	108	109	110	111	112	113
80	76.7	78.0	79.0	79.9	80.8	81.7	82.5	83.3	84.0	84.7	85.4	86.0	86.6	87.2	88.0	89.0	90.0	91.1	92.1
85	61.8	62.5	63.2	63.7	64.1	63.0	62.5	62.5	62.6	62.9	63.3	64.0	64.6	65.3	66.1	66.9	67.7	68.5	69.2
90	48.1	45.5	40.4	34.1	33.4	35.4	36.5	37.6	38.6	39.4	40.4	41.5	42.4	43.3	44.1	44.8	45.4	45.8	46.1
95	17.6	32.2	21.3	6.62	3.17	7.94	10.6	12.8	14.6	16.1	17.6	19.0	20.3	21.3	22.1	22.7	23.1	23.2	23.1
100	23.9	24.5	20.5	10.3	5.54	2.97	2.49	2.17	1.68	1.09	0.82	0.79	0.79	0.78	0.78	0.78	0.78	0.77	0.76
105	11.0	10.6	11.2	10.4	5.17	1.71	1.77	1.70	1.58	1.16	0.96	0.91	0.91	0.90	0.89	0.89	0.89	0.89	0.87
110	2.50	1.88	3.01	4.31	2.46	1.43	1.20	1.36	1.57	1.27	1.11	1.03	1.02	1.01	1.00	1.00	1.00	1.00	0.98
115	1.99	1.80	1.74	2.27	2.63	2.20	1.66	1.55	1.57	1.40	1.24	1.15	1.14	1.12	1.11	1.11	1.11	1.10	1.09
120	2.93	3.05	2.83	3.30	3.48	2.56	1.97	1.79	1.55	1.40	1.29	1.25	1.24	1.23	1.22	1.22	1.21	1.21	1.21
125	2.95	2.81	2.79	2.86	2.74	2.51	2.03	1.74	1.56	1.44	1.36	1.34	1.32	1.31	1.30	1.30	1.30	1.30	1.29
130	2.08	2.04	2.02	2.11	2.10	1.98	1.83	1.68	1.54	1.48	1.44	1.42	1.41	1.40	1.39	1.38	1.39	1.38	1.37
135	1.74	1.71	1.67	1.75	1.79	1.76	1.70	1.63	1.57	1.54	1.52	1.51	1.49	1.48	1.47	1.47	1.47	1.47	1.45
140	1.70	1.70	1.71	1.71	1.72	1.71	1.69	1.66	1.64	1.62	1.61	1.59	1.57	1.56	1.55	1.55	1.56	1.56	1.54
145	1.75	1.75	1.75	1.75	1.77	1.76	1.75	1.74	1.73	1.71	1.68	1.66	1.66	1.64	1.63	1.63	1.64	1.62	1.61
150	1.82	1.82	1.81	1.82	1.83	1.84	1.85	1.83	1.80	1.78	1.76	1.74	1.73	1.72	1.71	1.71	1.71	1.69	1.67
155	1.89	1.90	1.90	1.90	1.90	1.90	1.89	1.88	1.87	1.85	1.83	1.82	1.81	1.79	1.79	1.79	1.79	1.77	1.74
160	1.96	1.95	1.94	1.94	1.93	1.93	1.92	1.92	1.91	1.90	1.89	1.89	1.87	1.87	1.86	1.86	1.86	1.84	1.82
165	2.00	2.00	1.99	1.99	1.99	1.98	1.97	1.96	1.96	1.95	1.94	1.93	1.93	1.92	1.92	1.91	1.91	1.90	1.89
170	2.06	2.05	2.04	2.04	2.03	2.03	2.02	2.01	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.96	1.96	1.96	1.95
175	2.08	2.07	2.07	2.06	2.06	2.06	2.05	2.05	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.01
180	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07

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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FMYB14SY-HJ 3000K BK	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334				
5	331	331	331	331	331	332	332	332	332	332	333	333	333	333	334				
10	328	328	328	328	328	328	328	329	329	329	329	330	330	330	331				
15	320	320	321	321	322	322	323	324	323	323	324	324	324	325	325				
20	311	312	312	312	312	313	313	314	315	316	316	316	316	316	317				
25	301	301	302	302	302	302	302	303	303	304	305	305	305	305	306				
30	291	291	290	290	290	290	290	290	290	290	291	292	292	292	293				
35	274	275	276	277	277	277	276	275	275	275	275	276	277	277	277				
40	256	257	258	258	259	260	261	260	259	258	258	258	259	259	260				
45	239	239	239	240	240	240	240	241	242	240	239	239	239	240	240				
50	221	221	221	221	221	220	220	220	220	221	220	219	218	219	219				
55	200	201	201	202	202	201	200	200	199	199	199	198	197	197	198				
60	178	179	179	180	180	180	181	180	179	178	177	177	176	175	176				
65	157	157	158	158	158	159	159	159	159	158	156	155	155	154	154				
70	135	136	137	137	138	138	138	138	138	137	137	135	134	134	133				
75	114	115	116	117	117	118	118	118	118	117	117	116	115	114	113				
80	93.3	94.7	95.8	96.7	97.4	97.9	98.2	98.3	98.2	98.0	97.6	97.1	96.4	95.2	94.3				
85	69.9	70.8	71.5	72.2	72.8	73.7	74.6	75.7	77.2	79.5	79.7	79.4	78.9	78.3	77.3				
90	46.3	46.5	46.4	46.0	45.7	45.4	44.8	44.0	43.1	40.4	45.8	53.9	60.1	62.6	40.8				
95	22.7	22.1	21.2	19.9	18.6	17.2	15.1	12.4	9.03	1.52	13.9	31.8	44.3	18.4	9.24				
100	0.76	0.75	0.76	0.80	1.24	1.89	2.30	2.53	3.54	6.49	16.7	29.3	34.0	32.7	34.7				
105	0.86	0.86	0.90	0.99	1.33	1.51	1.69	1.71	2.08	7.94	15.3	16.6	16.3	17.1	16.7				
110	0.96	0.98	1.04	1.15	1.45	1.36	1.17	1.02	1.24	3.56	6.01	3.86	3.33	3.52	2.66				
115	1.07	1.08	1.15	1.29	1.56	1.60	1.22	1.64	2.35	2.15	2.02	1.30	1.33	1.32	1.14				
120	1.17	1.18	1.22	1.31	1.44	1.66	1.53	1.98	2.94	3.69	2.69	2.33	2.11	2.01	1.79				
125	1.26	1.26	1.28	1.31	1.37	1.49	1.66	1.99	2.74	3.14	3.13	2.72	3.04	2.95	2.82				
130	1.35	1.35	1.34	1.34	1.35	1.36	1.45	1.68	1.94	2.11	2.12	2.00	1.96	1.98	1.91				
135	1.44	1.43	1.43	1.41	1.39	1.37	1.38	1.45	1.56	1.61	1.57	1.46	1.50	1.53	1.51				
140	1.53	1.52	1.51	1.48	1.47	1.45	1.43	1.45	1.46	1.46	1.45	1.47	1.48	1.49	1.50				
145	1.59	1.59	1.58	1.56	1.54	1.55	1.52	1.50	1.52	1.52	1.51	1.51	1.52	1.54	1.56				
150	1.66	1.66	1.66	1.65	1.63	1.61	1.61	1.63	1.59	1.58	1.59	1.60	1.62	1.63	1.64				
155	1.74	1.73	1.72	1.72	1.73	1.71	1.69	1.68	1.69	1.70	1.71	1.70	1.70	1.71	1.73				
160	1.81	1.80	1.79	1.79	1.79	1.79	1.80	1.79	1.78	1.77	1.77	1.78	1.79	1.80	1.82				
165	1.87	1.87	1.87	1.86	1.86	1.86	1.86	1.86	1.86	1.87	1.88	1.88	1.89	1.90	1.91				
170	1.94	1.94	1.93	1.94	1.93	1.93	1.94	1.94	1.94	1.94	1.94	1.95	1.96	1.97	1.98				
175	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.02	2.02	2.03	2.04				
180	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07				

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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:9.782m [K=1.0000]
Remarks: