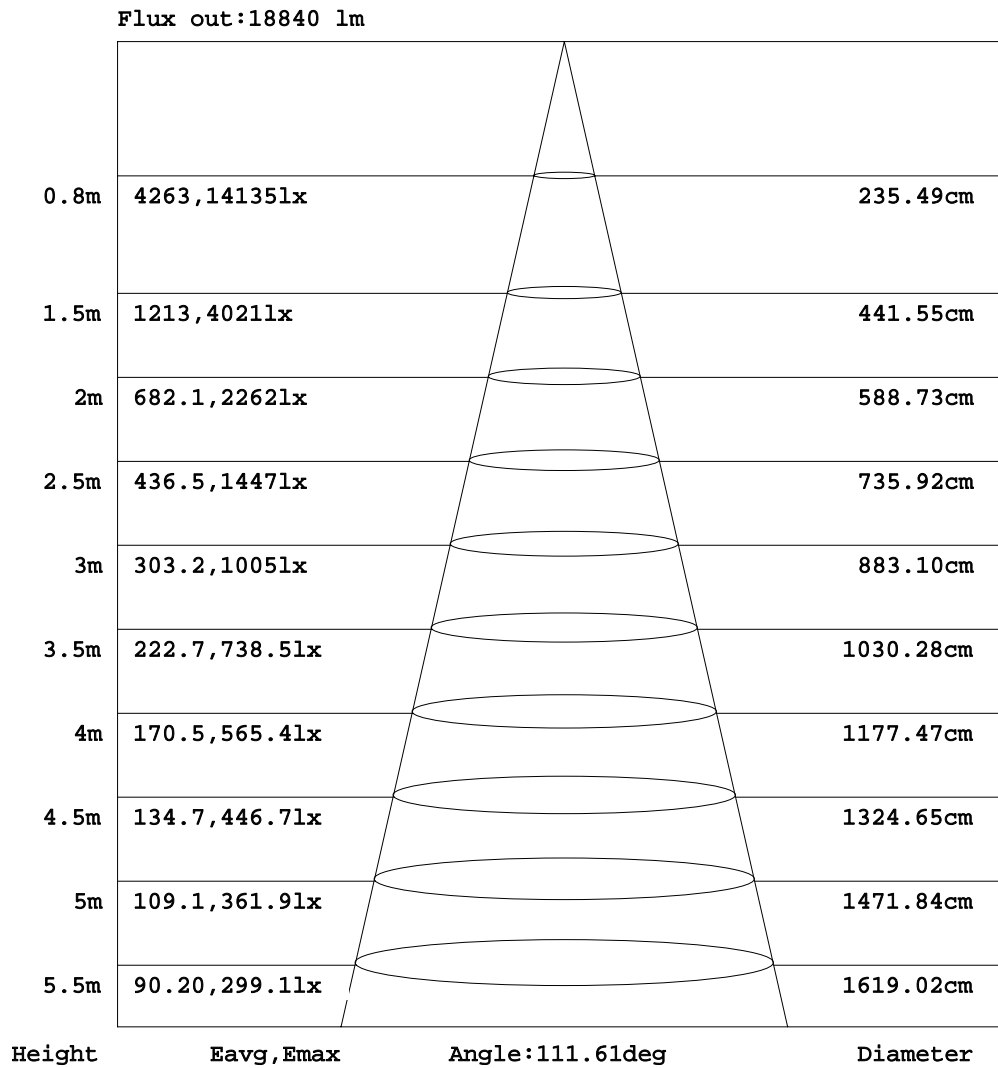


AAI Figure

Test:U:277.00V I:0.5451A P:150.61W PF:0.9975 Freq:60.00Hz Lamp Flux:22500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-150D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



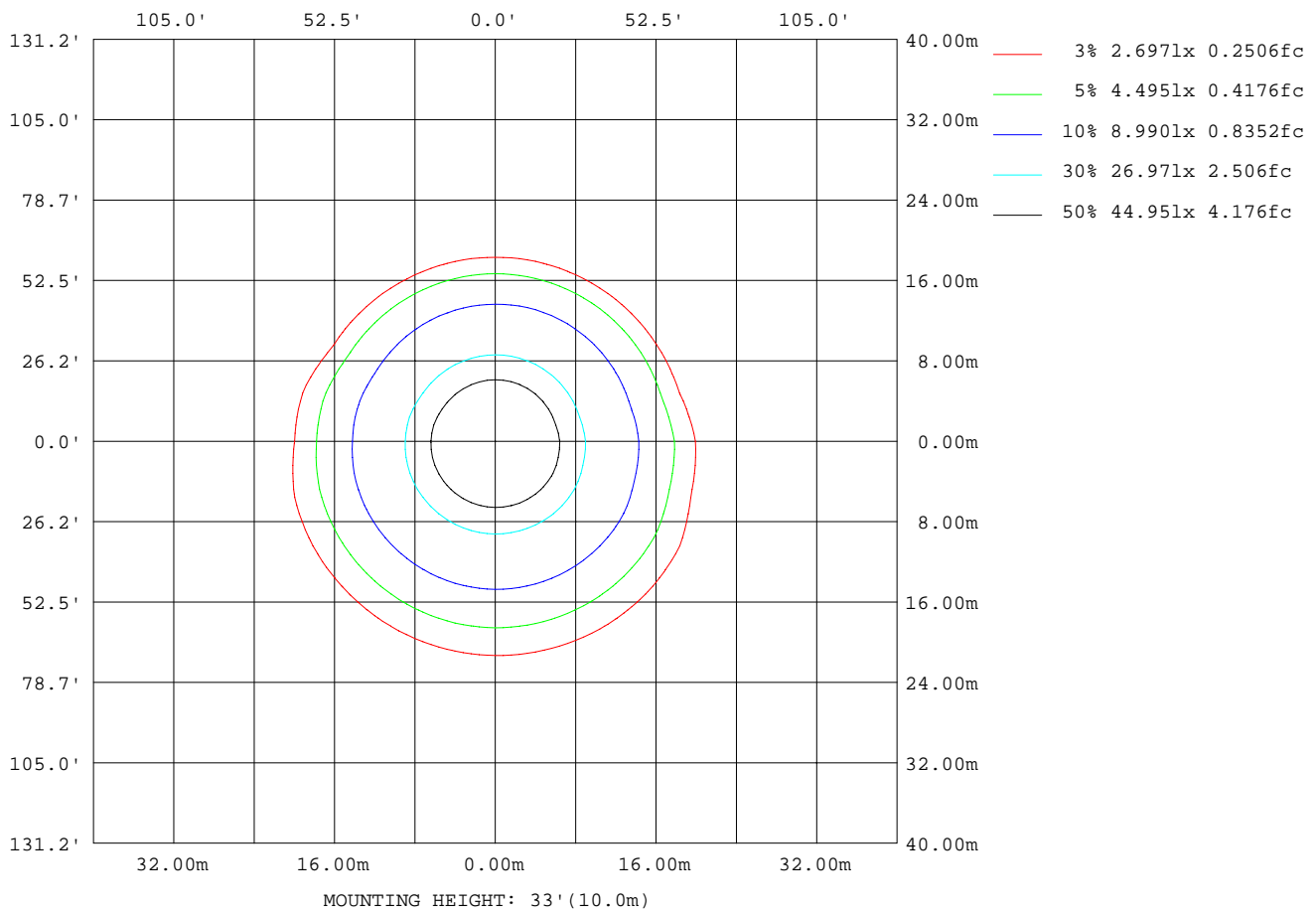
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

ISOLUX DIAGRAM

Test:U:277.00V I:0.5451A P:150.61W PF:0.9975 Freq:60.00Hz Lamp Flux:22500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-150D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LED Avg.L Report

Test:U:277.00V I:0.5451A P:150.61W PF:0.9975 Freq:60.00Hz Lamp Flux:22500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-150D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

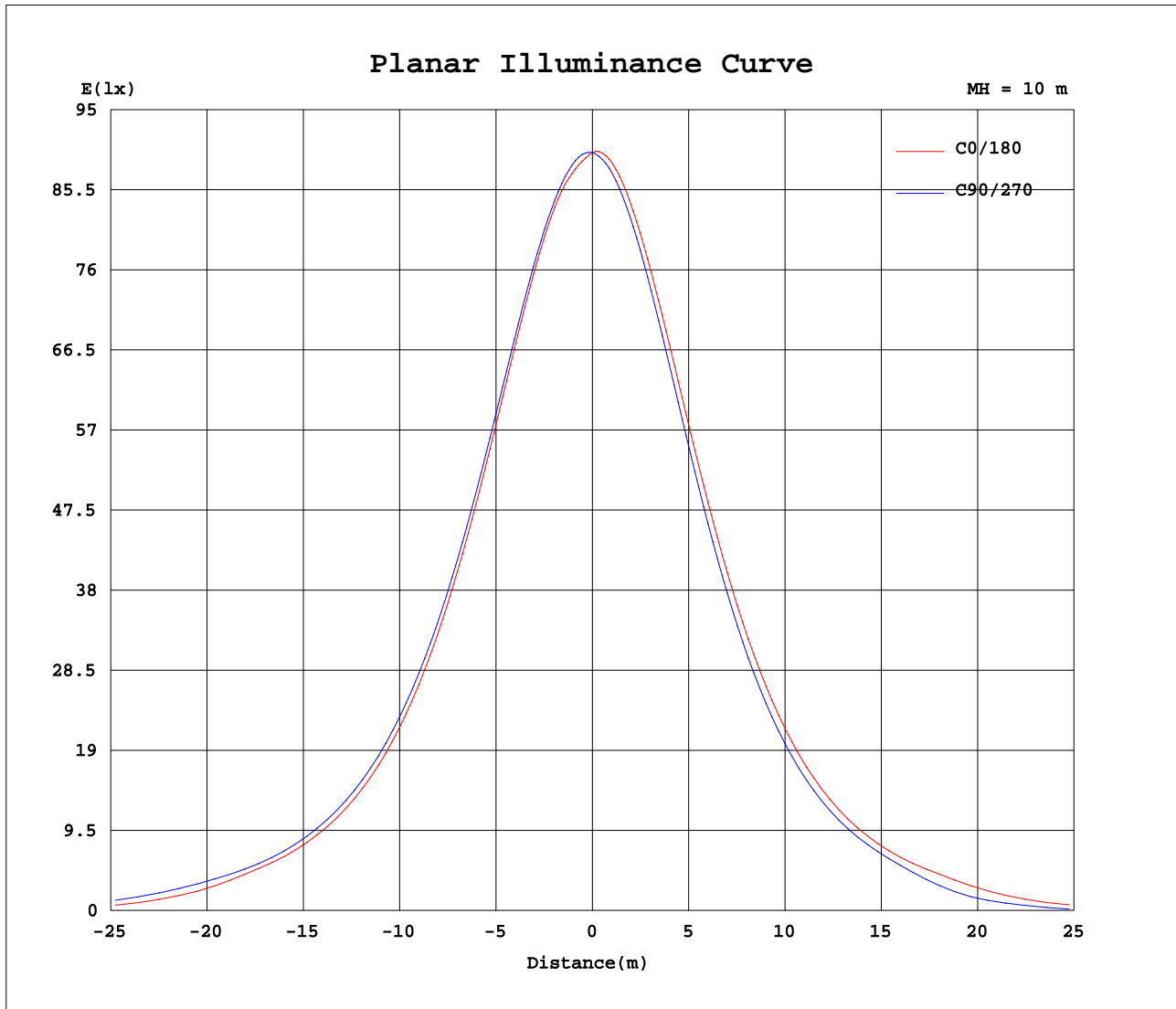
AvgL	cd/m2
L_0~180(65)av	25123
L_0~180(75)av	571
L_0~180(85)av	463
L_90~270(65)av	24614
L_90~270(75)av	2107
L_90~270(85)av	506
L_45(65)av	24707
L_45(75)av	1796
L_45(85)av	495

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.5451A P:150.61W PF:0.9975 Freq:60.00Hz Lamp Flux:22500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-150D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990	8990
5	8899	8987	9057	9065	9050	9026	8999	8975	8954	8943	9004	9049	9015	8977	8954	8938	8925	8915	8908
10	8846	8954	8981	8987	8974	8954	8934	8912	8892	8871	8867	8919	8927	8861	8806	8782	8766	8756	8749
15	8708	8799	8839	8853	8841	8824	8806	8785	8762	8738	8718	8733	8749	8671	8581	8549	8531	8521	8518
20	8481	8562	8629	8651	8641	8626	8607	8585	8559	8532	8503	8493	8496	8409	8281	8241	8219	8210	8211
25	8171	8249	8347	8376	8370	8355	8336	8312	8283	8251	8216	8188	8169	8072	7909	7861	7835	7826	7830
30	7783	7859	7991	8025	8024	8012	7992	7964	7932	7895	7856	7815	7770	7666	7467	7412	7381	7371	7378
35	7317	7396	7565	7606	7604	7593	7572	7542	7506	7464	7423	7371	7295	7186	6952	6892	6858	6846	6854
40	6771	6855	7065	7115	7110	7096	7075	7047	7007	6959	6913	6851	6738	6628	6364	6301	6264	6245	6255
45	6152	6236	6487	6543	6541	6524	6504	6476	6431	6380	6327	6256	6107	6001	5706	5651	5616	5590	5596
50	5477	5561	5840	5898	5902	5887	5863	5832	5786	5734	5679	5597	5414	5307	4998	4950	4918	4890	4891
55	4764	4843	5143	5195	5211	5199	5180	5143	5093	5039	4976	4893	4687	4580	4254	4203	4167	4139	4153
60	4003	4081	4402	4454	4476	4469	4456	4416	4364	4304	4234	4150	3935	3789	3262	3133	3022	2980	2970
65	2374	2560	3352	3493	3534	3511	3483	3420	3347	3261	3189	3043	2397	2227	1419	1294	1207	1183	1192
70	660	798	1473	1596	1643	1622	1555	1546	1497	1424	1343	1229	676	603	133	84.0	70.4	64.4	54.8
75	33.0	38.0	162	198	230	246	220	203	188	168	148	81.8	33.4	32.9	27.1	26.3	25.6	25.0	24.6
80	20.0	21.5	27.1	28.1	28.4	28.6	28.4	28.0	27.3	26.5	25.6	24.6	20.2	19.3	13.7	13.0	12.5	12.3	12.2
85	9.20	10.3	15.2	16.2	16.6	16.7	16.6	16.3	15.6	14.7	13.7	12.8	8.96	8.09	4.37	3.75	3.39	3.21	3.24
90	1.18	2.81	5.82	6.35	6.77	6.92	6.74	6.46	5.92	5.20	4.54	3.90	0.70	0.75	0.88	0.89	0.90	0.90	0.88
95	0.52	0.52	1.58	2.65	3.57	3.65	2.98	2.19	1.25	0.68	0.48	0.45	1.12	1.17	1.42	1.45	1.46	1.46	1.44
100	0.79	0.76	0.63	0.61	0.60	0.60	0.59	0.60	0.60	0.62	0.63	0.68	1.74	1.78	2.06	2.09	2.12	2.14	2.14
105	1.09	1.06	0.94	0.92	0.97	1.06	1.03	1.12	1.01	0.93	0.94	0.97	2.34	2.35	2.49	2.52	2.52	2.54	2.55
110	1.32	1.30	1.22	1.25	1.46	1.64	1.65	1.57	1.41	1.30	1.25	1.25	2.61	2.62	2.68	2.73	2.77	2.77	2.79
115	1.62	1.58	1.46	1.61	1.83	1.92	1.98	1.95	1.81	1.66	1.55	1.53	2.80	2.79	2.95	3.04	3.10	3.09	3.13
120	2.11	2.02	1.77	1.87	1.97	2.00	2.03	2.06	2.05	2.00	1.96	1.94	3.17	3.25	3.54	3.68	3.74	3.73	3.78
125	2.70	2.52	2.24	2.29	2.38	2.39	2.43	2.45	2.53	2.51	2.46	2.47	3.98	4.05	4.39	4.59	4.66	4.75	4.77
130	3.40	3.21	2.81	2.86	2.91	2.89	2.97	2.99	3.07	3.07	3.02	3.07	4.93	5.02	5.40	5.53	5.62	5.77	5.75
135	4.03	3.89	3.48	3.43	3.59	3.41	3.52	3.54	3.67	3.60	3.70	3.74	5.79	5.87	6.18	6.42	6.39	6.51	6.44
140	4.61	4.52	4.16	3.98	4.15	4.05	4.23	4.25	4.21	4.23	4.33	4.41	6.25	6.47	6.79	7.05	7.09	7.18	7.04
145	4.97	4.95	4.69	4.66	4.64	4.68	4.71	4.73	4.72	4.77	4.69	4.84	6.89	7.07	7.25	7.43	7.54	7.69	7.55
150	5.30	5.24	4.98	4.92	5.10	5.14	5.08	5.14	5.14	5.06	4.95	5.05	7.41	7.47	7.65	7.79	7.83	7.95	7.65
155	5.82	5.76	5.47	5.26	5.31	5.34	5.35	5.44	5.40	5.36	5.33	5.40	7.84	7.81	8.10	8.23	8.23	8.25	7.91
160	6.40	6.30	5.99	5.62	5.65	5.63	5.56	5.75	5.80	5.80	5.88	5.86	8.39	8.33	8.44	8.72	8.82	8.69	8.35
165	6.74	6.68	6.40	6.09	5.90	5.85	5.68	6.12	6.27	6.40	6.40	6.30	8.61	8.64	8.81	8.94	9.02	8.89	8.50
170	7.14	7.02	6.82	6.60	6.39	6.30	6.28	6.58	6.76	6.85	6.80	6.76	8.80	8.73	8.73	8.82	8.84	8.72	8.37
175	7.61	7.29	7.06	6.80	6.67	6.66	6.65	6.76	6.86	6.92	6.92	6.97	8.81	8.78	8.76	8.75	8.68	8.49	8.19
180	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.39	7.39	7.39	7.39	7.39	7.39	7.39

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:0.5451A P:150.61W PF:0.9975 Freq:60.00Hz Lamp Flux:22500x1 lm		
NAME: ASD Lighting Corp	TYPE: LED	WEIGHT:
SPEC.: ASD-UHB2HV-150D50-PRM	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	8990	8990	8990	8990	8990														
5	8902	8899	8897	8895	8893														
10	8748	8750	8754	8758	8765														
15	8523	8531	8544	8555	8568														
20	8220	8235	8256	8275	8297														
25	7845	7867	7894	7920	7949														
30	7399	7425	7458	7492	7528														
35	6878	6905	6945	6984	7030														
40	6279	6306	6352	6394	6450														
45	5623	5643	5692	5739	5801														
50	4925	4948	4996	5045	5112														
55	4185	4224	4268	4319	4389														
60	2978	3033	3151	3284	3413														
65	1195	1247	1337	1436	1588														
70	64.2	73.4	93.4	147	225														
75	24.5	24.5	25.0	25.7	26.8														
80	12.4	12.7	13.3	14.0	15.0														
85	3.45	3.76	4.21	4.76	5.49														
90	0.87	0.85	0.84	0.92	1.15														
95	1.42	1.39	1.36	1.33	1.27														
100	2.13	2.04	1.98	1.94	1.86														
105	2.57	2.47	2.43	2.39	2.30														
110	2.84	2.76	2.70	2.65	2.51														
115	3.13	3.07	3.04	2.89	2.74														
120	3.73	3.66	3.56	3.41	3.27														
125	4.66	4.50	4.29	4.17	4.04														
130	5.62	5.38	5.06	5.03	4.88														
135	6.18	5.91	5.88	5.84	5.64														
140	6.78	6.71	6.51	6.44	6.18														
145	7.30	7.16	7.02	6.94	6.60														
150	7.47	7.38	7.40	7.41	6.93														
155	7.76	7.72	7.77	7.94	7.36														
160	7.96	8.13	8.25	8.28	7.68														
165	8.25	8.22	8.25	8.35	7.72														
170	8.13	8.13	8.14	8.18	7.57														
175	8.00	8.04	8.18	8.14	7.90														
180	7.39	7.39	7.39	7.39	7.39														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 23 April 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.442T2
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0417]
 Remarks: