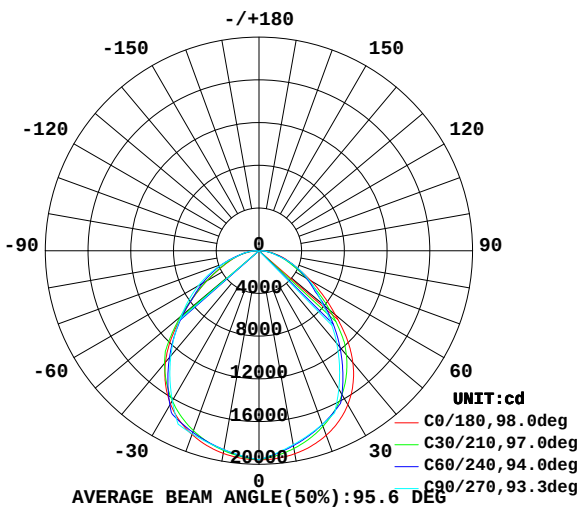
LUMINAIRE PHOTOMETRIC TEST REPORT

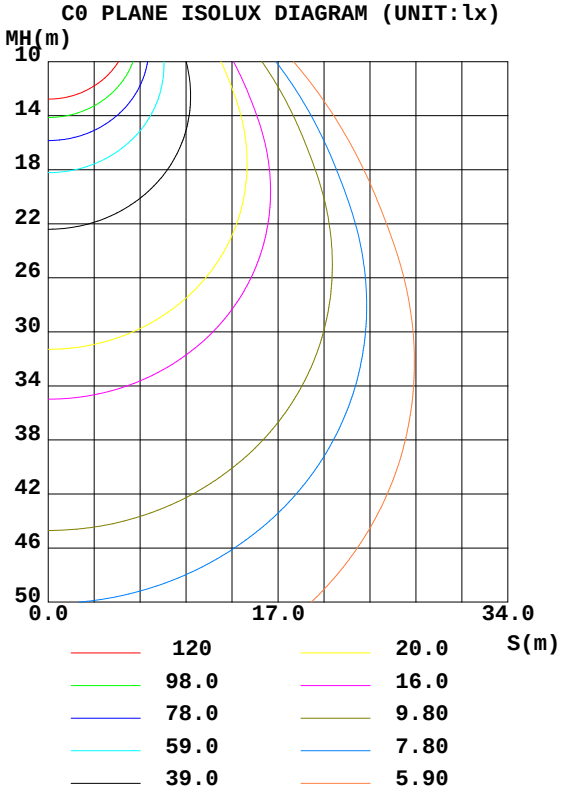
Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.18 lm/W			
MODEL	5000K	Imax(cd)	19579	S/MH(C0/180)	1.25
NOMINAL POWER(W)	300	LOR(%)	101.4	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	45804	η UP,DN(C0-180)	0.0,48.5
NOMINAL FLUX(lm)	11292.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.9
LAMPS INSIDE	4	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	101.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [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
5	1951	1915	1901	1913	1950	1930	1925	1931	0- 5	463.1	463.1	1.01,1.03
10	1930	1864	1845	1862	1927	1894	1892	1897	5- 10	1362	1825	3.99,4.04
15	1893	1805	1788	1801	1888	1851	1858	1855	10- 15	2208	4033	8.81,8.93
20	1839	1736	1731	1731	1832	1798	1825	1805	15- 20	2981	7014	15.3,15.5
25	1764	1656	1675	1650	1758	1736	1792	1745	20- 25	3664	10678	23.3,23.6
30	1664	1565	1494	1558	1657	1663	1623	1674	25- 30	4199	14877	32.5,32.9
35	1533	1434	1314	1426	1527	1545	1454	1557	30- 35	4491	19368	42.3,42.9
40	1367	1235	1134	1227	1363	1347	1285	1359	35- 40	4545	23913	52.2,52.9
45	1164	1033	953.3	1026	1162	1144	1116	1154	40- 45	4366	28279	61.7,62.6
50	934.2	833.9	772.9	826.8	934.9	939.1	946.8	948.4	45- 50	3969	32248	70.4,71.4
55	738.7	643.7	653.2	637.4	738.7	739.2	801.5	746.9	50- 55	3439	35687	77.9,79
60	562.1	477.6	533.5	472.6	562.5	557.8	656.1	565.0	55- 60	2894	38581	84.2,85.4
65	412.2	378.8	413.8	374.4	413.0	441.2	510.7	447.4	60- 65	2364	40945	89.4,90.6
70	303.3	286.1	294.1	281.6	303.8	334.5	365.4	338.9	65- 70	1857	42801	93.4,94.8
75	215.2	198.5	174.3	193.9	217.2	235.3	220.0	237.8	70- 75	1359	44161	96.4,97.8
80	135.1	118.4	118.5	113.9	137.8	144.9	150.7	145.8	75- 80	906.7	45067	98.4,99.8
85	58.79	61.78	62.67	58.65	63.07	76.85	81.40	76.72	80- 85	540.8	45608	99.6,101
90	2.151	5.767	6.830	3.961	1.790	9.562	12.10	8.246	85- 90	196.4	45804	100,101
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

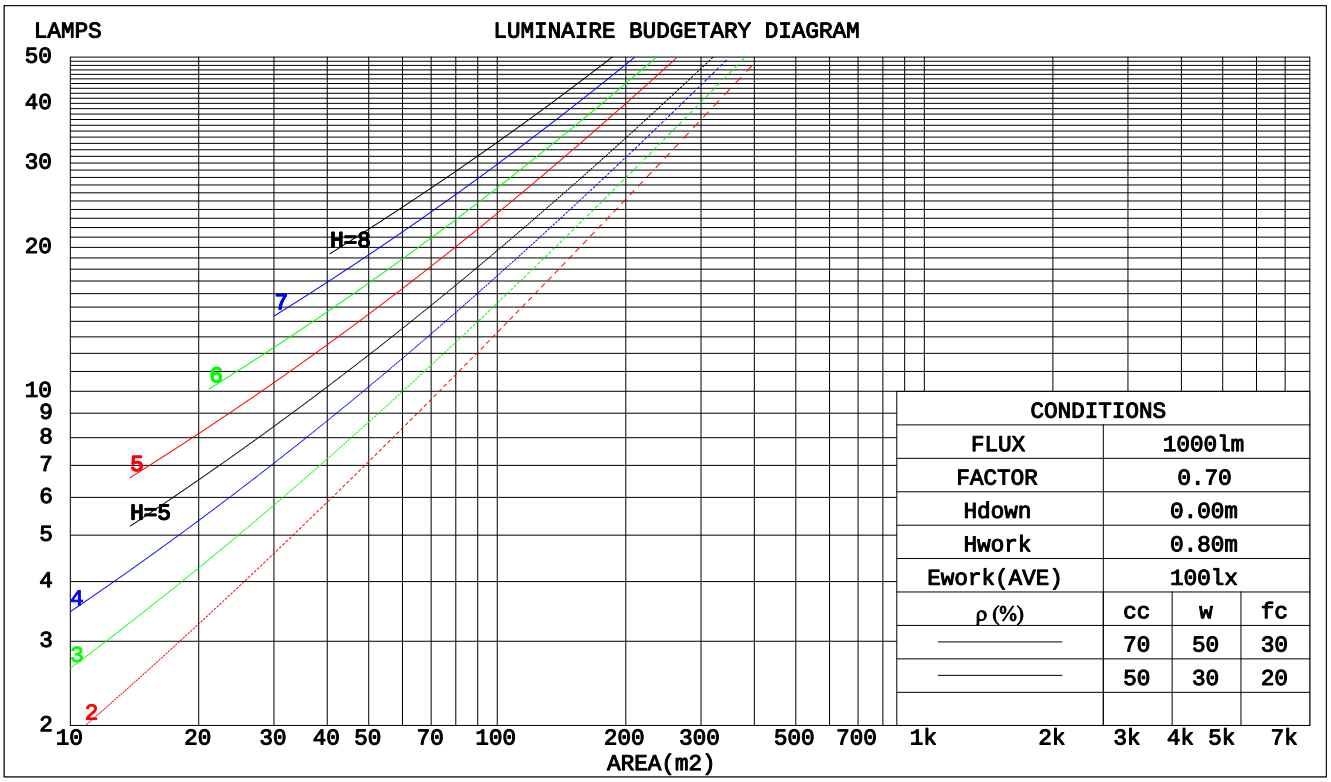
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION 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	1.21	1.21	1.21	1.18	1.18	1.18	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	1.01
1.0	1.07	1.03	.99	1.04	1.01	.97	1.00	.97	.94	.96	.94	.92	.93	.91	.89	.87
2.0	.94	.88	.82	.92	.86	.81	.89	.84	.79	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.74	.69	.66	.63
4.0	.75	.66	.60	.73	.66	.59	.71	.64	.59	.69	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.52	.66	.58	.52	.64	.57	.51	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.52	.46	.60	.52	.46	.58	.51	.45	.56	.50	.45	.55	.49	.45	.43
7.0	.55	.47	.41	.55	.47	.41	.53	.46	.41	.52	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.48	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.33	.46	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.30	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION 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	.288	.164	.052	.281	.160	.051	.267	.153	.049	.255	.147	.047	.244	.141	.046	
2.0	.272	.149	.046	.266	.147	.045	.254	.141	.044	.244	.137	.043	.234	.132	.042	
3.0	.254	.135	.040	.248	.133	.040	.238	.129	.039	.229	.125	.038	.220	.122	.038	
4.0	.236	.123	.036	.231	.121	.036	.222	.118	.035	.214	.115	.035	.206	.112	.034	
5.0	.220	.112	.032	.215	.111	.032	.207	.108	.032	.200	.106	.031	.193	.103	.031	
6.0	.205	.103	.029	.201	.102	.029	.194	.099	.029	.187	.097	.029	.181	.095	.028	
7.0	.192	.095	.027	.188	.094	.027	.182	.092	.027	.176	.090	.026	.170	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.169	.082	.023	.167	.081	.023	.161	.080	.023	.157	.078	.022	.152	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.181	.159	.138	.155	.136	.119	.106	.094	.082	.061	.054	.048	.020	.017	.015	
2.0	.172	.134	.102	.147	.115	.088	.101	.080	.062	.058	.046	.036	.019	.015	.012	
3.0	.163	.116	.078	.140	.100	.068	.096	.069	.048	.055	.041	.028	.018	.013	.009	
4.0	.155	.102	.062	.133	.088	.054	.091	.061	.038	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.050	.127	.079	.043	.087	.055	.031	.051	.032	.018	.016	.011	.006	
6.0	.140	.083	.041	.121	.072	.036	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.076	.035	.115	.066	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.127	.070	.030	.110	.060	.026	.076	.042	.019	.044	.025	.011	.014	.008	.004	
9.0	.121	.065	.026	.105	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION 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	24.3	25.7	24.5	25.9	26.1	24.0	25.4	24.3	25.6	25.8
3H	25.2	26.6	25.5	26.8	27.0	25.1	26.5	25.4	26.7	26.9
4H	25.7	26.9	26.0	27.2	27.4	25.5	26.8	25.8	27.0	27.3
6H	26.0	27.2	26.4	27.5	27.7	25.8	27.0	26.1	27.2	27.5
8H	26.1	27.3	26.5	27.6	27.8	25.9	27.0	26.2	27.3	27.6
12H	26.2	27.3	26.6	27.6	27.9	26.0	27.1	26.3	27.4	27.7
4H 2H	24.6	25.8	24.9	26.1	26.3	24.4	25.7	24.7	25.9	26.2
3H	25.8	26.9	26.1	27.2	27.5	25.8	26.9	26.1	27.1	27.4
4H	26.3	27.3	26.7	27.6	28.0	26.2	27.2	26.6	27.5	27.9
6H	26.8	27.7	27.2	28.0	28.4	26.6	27.5	27.0	27.9	28.2
8H	27.0	27.8	27.4	28.2	28.6	26.8	27.6	27.2	28.0	28.4
12H	27.1	27.9	27.5	28.2	28.6	27.0	27.7	27.4	28.1	28.5
8H 4H	26.5	27.3	26.9	27.7	28.1	26.4	27.2	26.8	27.6	28.0
6H	27.1	27.8	27.6	28.2	28.6	27.0	27.7	27.4	28.1	28.5
8H	27.4	28.0	27.8	28.4	28.9	27.3	27.9	27.7	28.3	28.7
12H	27.6	28.1	28.0	28.5	29.0	27.5	28.0	28.0	28.5	28.9
12H 4H	26.5	27.3	26.9	27.7	28.1	26.4	27.2	26.9	27.6	28.0
6H	27.2	27.8	27.6	28.2	28.7	27.0	27.6	27.5	28.1	28.5
8H	27.5	28.0	27.9	28.4	28.9	27.3	27.9	27.8	28.3	28.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.6 / - 0.6					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 45170 lm Total Lamp Luminous Flux.(8log(F/F0) = 13.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION 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	63	52	45	62	52	45	61	51	45	39
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	71	64	80	70	64	78	71	63	57
1.25	88	78	72	87	78	71	84	76	70	64
1.50	93	84	77	91	83	77	88	81	76	69
2.00	99	91	85	97	90	84	94	88	83	76
2.50	102	95	90	100	94	89	97	91	87	79
3.00	106	99	94	103	98	93	99	95	91	83
4.00	109	104	100	107	102	98	103	99	96	87
5.00	111	107	103	109	105	102	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

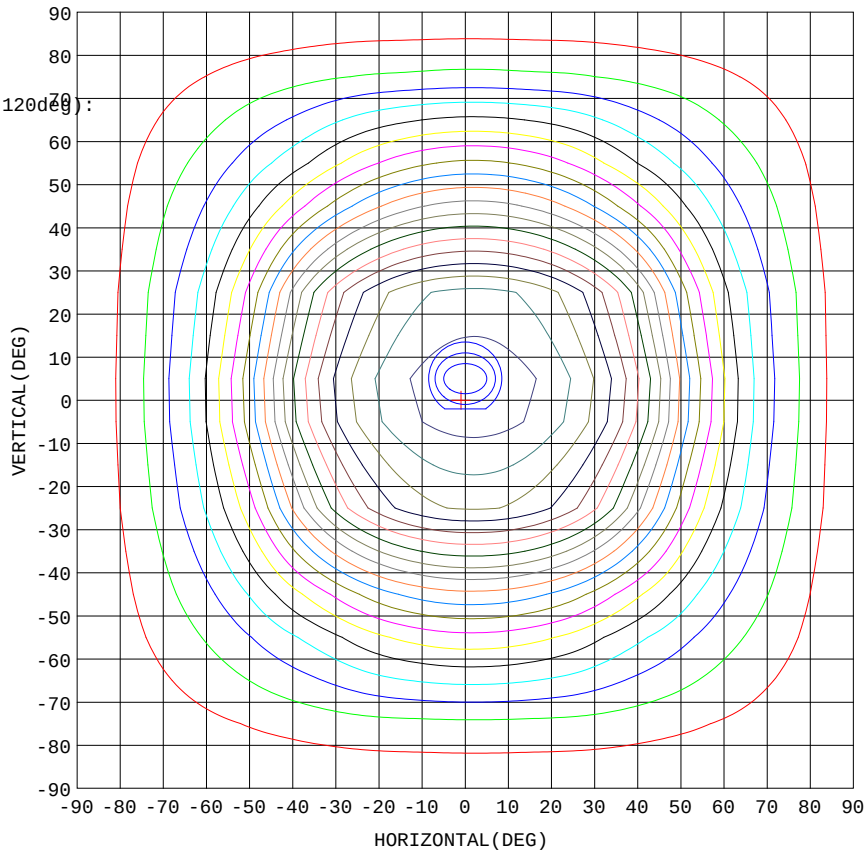
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Conical surface Flux(90deg):
28279 lm
%lum = 61.7%
%lamp = 62.6%

Conical surface Flux(120deg):
38581 lm
%lum = 84.2%
%lamp = 85.4%



5% 978.9
10% 1958
15% 2937
20% 3915
25% 4894
30% 5873
35% 6852
40% 7831
45% 8810
50% 9789
55% 10767
60% 11746
65% 12725
70% 13704
75% 14683
80% 15662
85% 16641
90% 17619
95% 18598

1. AVG=0,MIN=0
2. AVG=19230,MIN=18865
3. AVG=19201,MIN=18763

Imax:19577(H-1.0,V0.0)
(At:C=0.0,Gamma=0.0)
UNIT: cd

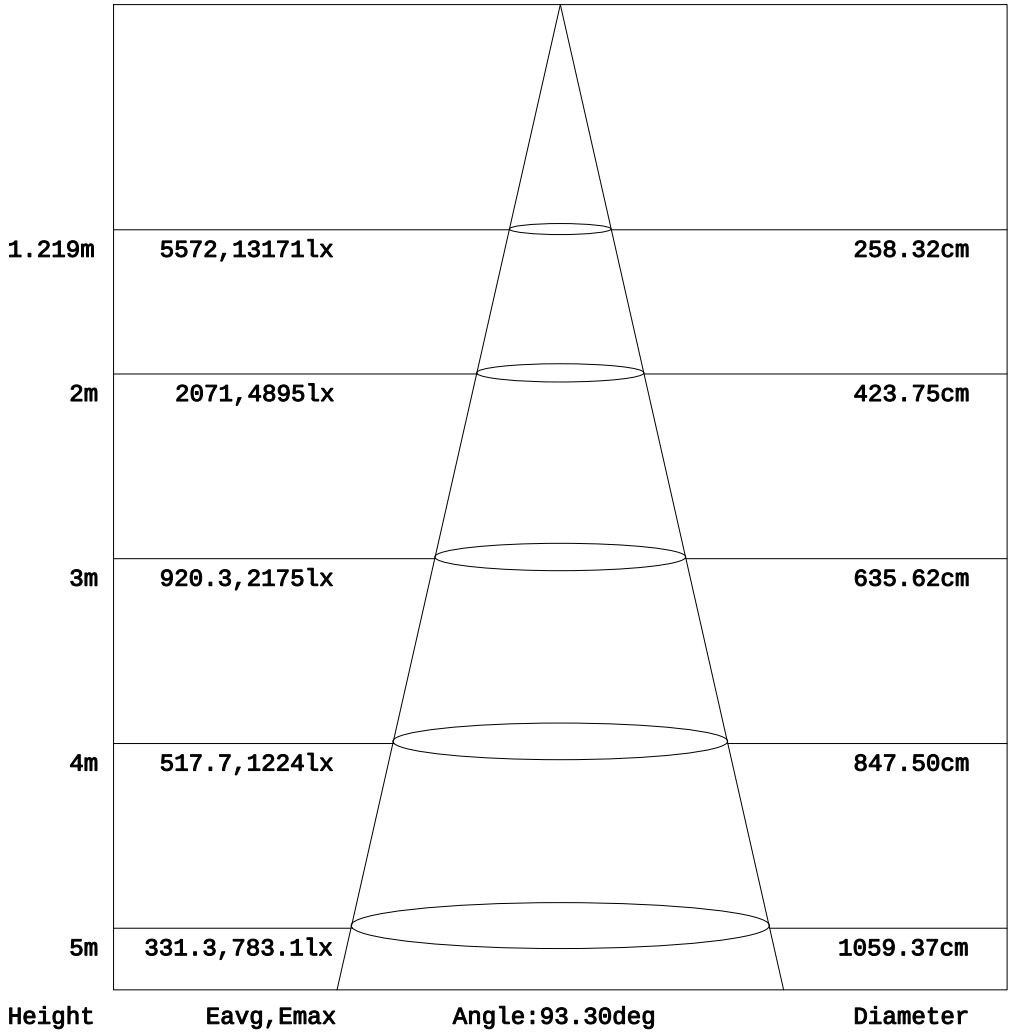
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Flux out:29925 lm



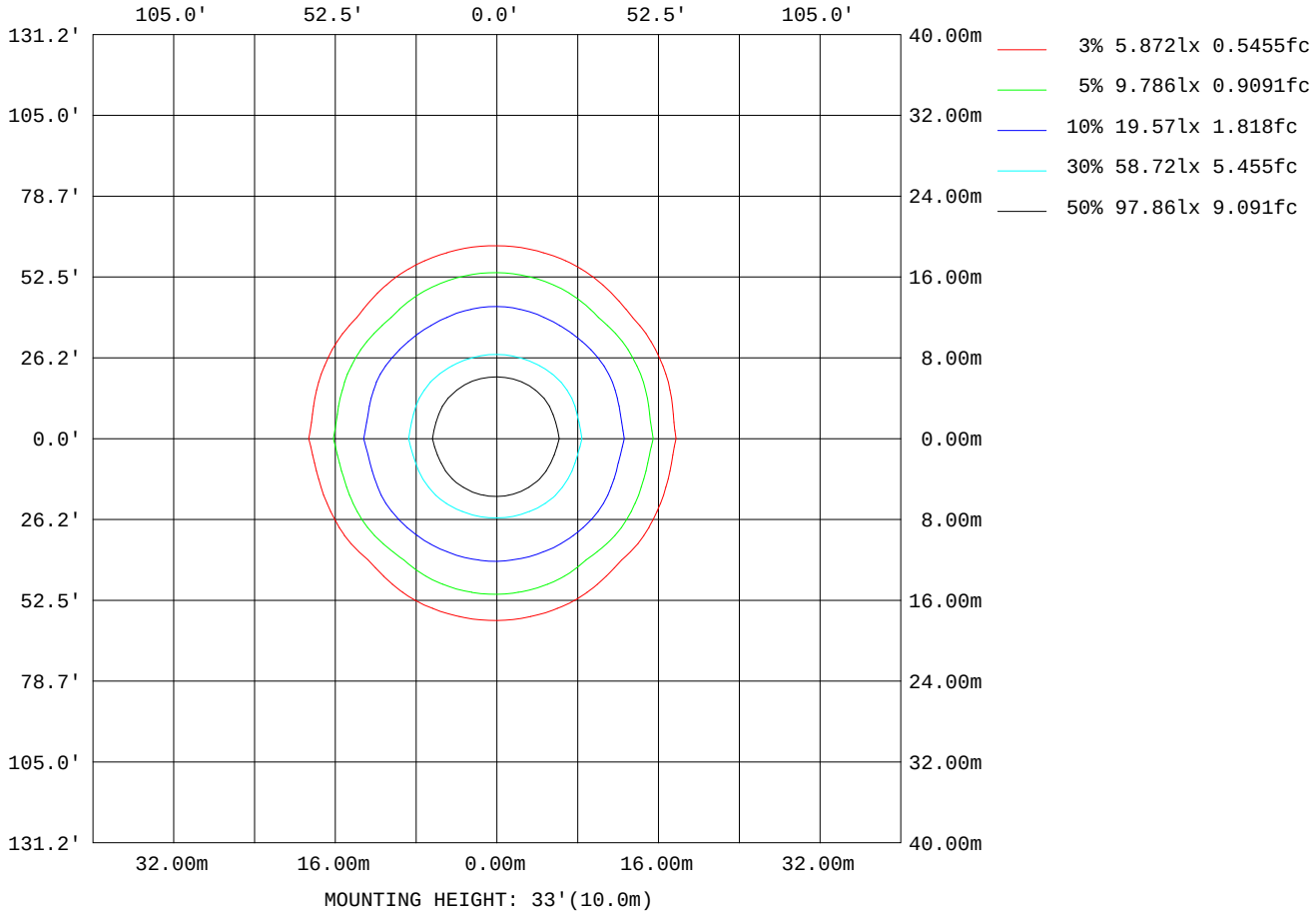
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

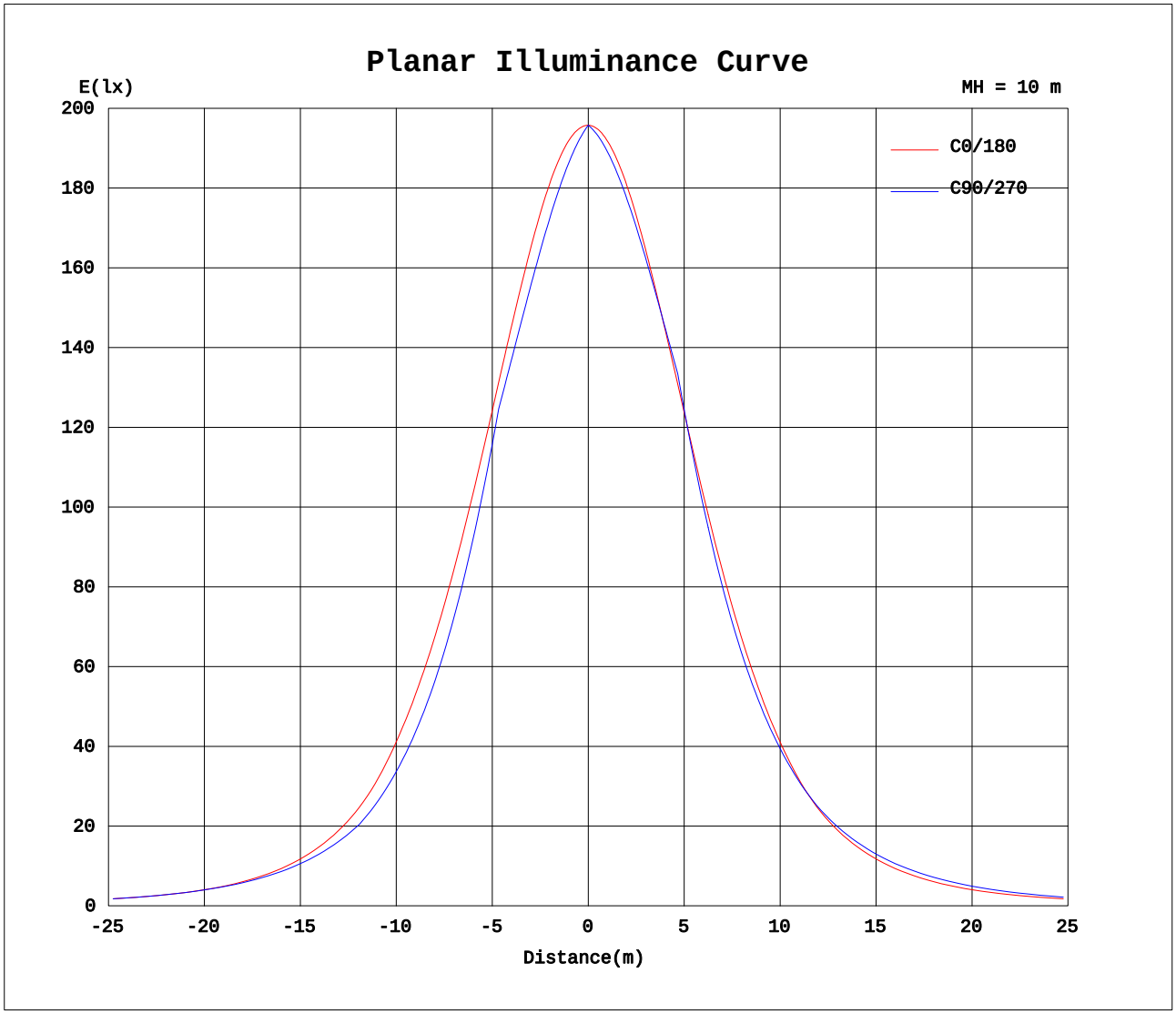
AvgL	cd/m2
L_0~180(65)av	25424
L_0~180(75)av	21753
L_0~180(85)av	18205
L_90~270(65)av	28484
L_90~270(75)av	19840
L_90~270(85)av	21524
L_45(65)av	25292
L_45(75)av	21772
L_45(85)av	20467

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Table--1 UNIT: ×10cd

γ (DEG) \ C(DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958
5	1951	1946	1942	1937	1933	1928	1925	1921	1918	1915	1912	1909	1907	1905	1904	1903	1902	1901	1901
10	1930	1920	1911	1902	1894	1887	1880	1874	1869	1864	1860	1856	1853	1851	1848	1847	1846	1845	1845
15	1893	1878	1865	1852	1841	1831	1823	1816	1810	1805	1801	1797	1795	1793	1791	1790	1789	1788	1788
20	1839	1819	1800	1784	1771	1760	1751	1744	1739	1736	1734	1732	1732	1732	1732	1732	1732	1732	1731
25	1764	1738	1715	1696	1681	1670	1663	1658	1656	1656	1658	1661	1664	1668	1671	1673	1674	1675	1675
30	1664	1631	1603	1582	1568	1559	1555	1555	1559	1565	1574	1575	1554	1536	1522	1511	1502	1497	1494
35	1533	1492	1461	1440	1427	1423	1426	1434	1447	1434	1409	1387	1368	1352	1339	1329	1321	1316	1314
40	1367	1320	1287	1266	1258	1260	1273	1282	1257	1235	1215	1196	1180	1166	1154	1146	1140	1135	1134
45	1164	1115	1084	1068	1067	1079	1082	1065	1049	1033	1018	1004	991	979	969	962	958	954	953
50	934	889	864	857	865	874	867	857	846	834	822	812	802	792	783	778	775	773	773
55	739	698	676	671	676	672	672	668	658	644	631	621	627	636	642	647	651	652	653
60	562	531	519	519	512	509	508	503	490	478	488	501	513	521	526	529	532	533	533
65	412	393	391	389	383	380	375	370	374	379	385	394	403	409	411	412	413	414	414
70	303	289	292	283	279	276	276	279	283	286	289	294	298	300	298	296	295	294	294
75	215	205	202	198	195	194	195	197	198	198	198	197	196	192	186	181	177	175	174
80	135	131	125	124	121	121	121	120	118	118	120	121	122	122	120	119	119	119	119
85	58.8	51.5	51.9	52.2	53.2	56.5	58.4	59.9	61.0	61.8	62.7	63.5	64.1	64.2	63.7	63.0	62.8	62.8	62.7
90	2.15	2.11	2.41	2.88	3.43	4.03	4.48	4.95	5.38	5.77	6.12	6.39	6.58	6.82	6.99	7.03	6.99	6.91	6.83

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Table--2 UNIT: ×10cd

γ (DEG) \ C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958
5	1901	1902	1902	1903	1905	1906	1909	1911	1913	1916	1920	1923	1927	1931	1935	1940	1945	1950	1947
10	1844	1845	1846	1847	1849	1851	1854	1857	1862	1866	1871	1877	1884	1891	1899	1908	1917	1927	1921
15	1788	1788	1789	1789	1791	1792	1794	1797	1801	1805	1811	1818	1826	1836	1847	1859	1873	1888	1879
20	1731	1731	1730	1730	1729	1728	1728	1728	1731	1733	1738	1745	1753	1764	1777	1793	1811	1832	1820
25	1674	1673	1671	1667	1663	1659	1656	1652	1650	1650	1651	1655	1662	1674	1689	1708	1731	1758	1742
30	1496	1501	1508	1518	1532	1549	1569	1567	1558	1551	1547	1547	1551	1561	1575	1596	1624	1657	1637
35	1315	1320	1326	1335	1348	1363	1382	1402	1426	1438	1426	1418	1415	1420	1432	1454	1485	1527	1503
40	1135	1138	1144	1151	1162	1175	1190	1208	1227	1249	1274	1265	1253	1251	1259	1281	1315	1363	1335
45	954	957	961	967	975	986	998	1011	1026	1041	1057	1074	1071	1061	1063	1079	1112	1162	1131
50	774	775	777	782	789	797	805	815	827	839	851	860	866	858	851	860	888	935	906
55	653	650	646	640	634	623	615	624	637	652	662	666	664	668	665	672	696	739	712
60	533	531	528	524	519	508	495	482	473	485	498	502	503	506	513	515	530	562	542
65	414	412	411	410	406	399	389	380	374	370	365	371	375	378	384	388	392	413	402
70	294	294	295	297	297	294	289	284	282	279	275	272	272	276	280	289	288	304	297
75	175	176	180	186	190	192	193	193	194	194	192	191	191	193	195	199	204	217	214
80	118	118	118	119	120	119	117	116	114	114	115	116	117	118	121	124	130	138	140
85	62.5	62.3	62.4	62.9	62.8	62.0	61.0	59.7	58.6	57.6	56.2	54.7	52.8	50.0	49.7	51.2	53.1	63.1	64.8
90	6.76	6.67	6.53	6.27	5.88	5.43	4.95	4.45	3.96	3.50	3.06	2.66	2.33	2.16	2.18	2.06	1.77	1.79	2.67

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Table--3 UNIT: ×10cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958
5	1944	1941	1939	1937	1935	1933	1931	1930	1929	1928	1927	1926	1925	1925	1925	1925	1925	1925	1925
10	1916	1911	1907	1904	1900	1898	1896	1894	1893	1892	1892	1891	1891	1891	1891	1891	1892	1892	1892
15	1872	1865	1860	1856	1854	1852	1851	1851	1851	1852	1853	1854	1855	1856	1857	1858	1858	1859	1859
20	1810	1803	1797	1794	1793	1794	1795	1798	1802	1806	1810	1814	1817	1820	1822	1824	1825	1826	1825
25	1729	1721	1716	1715	1717	1721	1728	1736	1744	1754	1762	1770	1778	1783	1788	1790	1792	1792	1791
30	1623	1616	1614	1617	1623	1634	1647	1663	1679	1687	1668	1654	1642	1633	1627	1623	1623	1625	1630
35	1488	1482	1484	1494	1510	1531	1554	1545	1522	1504	1488	1476	1467	1461	1456	1454	1454	1456	1460
40	1319	1318	1328	1348	1376	1394	1368	1347	1329	1315	1304	1296	1291	1287	1285	1284	1285	1286	1289
45	1119	1123	1144	1177	1192	1174	1158	1144	1132	1123	1117	1114	1112	1113	1114	1115	1116	1117	1118
50	898	910	940	965	961	955	947	939	933	929	929	930	933	937	942	945	947	947	946
55	706	718	741	743	748	749	745	739	736	735	749	765	777	787	795	799	801	801	798
60	543	559	561	563	568	568	561	558	577	596	613	627	636	644	650	654	656	656	653
65	410	416	418	422	423	422	431	441	455	471	484	493	498	503	507	510	511	510	509
70	309	305	307	309	314	321	328	334	343	352	359	363	363	363	364	365	365	365	365
75	216	218	220	220	224	229	233	235	238	239	239	236	230	224	221	220	220	220	221
80	140	141	140	142	143	145	144	145	147	149	151	151	150	149	149	150	151	150	149
85	65.2	66.3	68.1	70.4	72.2	73.9	75.6	76.9	78.4	79.9	81.1	81.6	81.0	80.5	80.8	81.3	81.4	81.2	80.7
90	2.94	3.75	4.71	5.67	6.56	7.60	8.65	9.56	10.4	11.1	11.6	12.0	12.3	12.3	12.3	12.2	12.1	12.1	12.0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:2.540A P:305.0W PF:0.9988 Lamp Flux:11292.5x4 lm		
NAME: ELHB4-300-D10-50	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.32*1.2	PROTECTION ANGLE:

Table--4 UNIT: ×10cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958	1958				
5	1925	1926	1927	1928	1929	1930	1931	1933	1935	1936	1938	1941	1943	1946	1948				
10	1892	1893	1893	1894	1895	1896	1897	1899	1901	1904	1907	1910	1915	1919	1925				
15	1858	1858	1857	1856	1856	1855	1855	1856	1857	1859	1862	1866	1871	1877	1885				
20	1823	1821	1818	1815	1811	1808	1805	1803	1801	1801	1802	1805	1810	1818	1827				
25	1787	1782	1776	1768	1761	1753	1745	1738	1731	1727	1725	1725	1730	1737	1749				
30	1637	1647	1660	1676	1696	1690	1674	1659	1645	1634	1626	1623	1624	1632	1645				
35	1465	1473	1484	1497	1514	1534	1557	1566	1543	1522	1506	1495	1492	1497	1510				
40	1292	1297	1304	1314	1326	1340	1359	1381	1407	1389	1360	1339	1327	1327	1340				
45	1118	1119	1122	1127	1133	1142	1154	1169	1186	1205	1189	1153	1131	1124	1135				
50	942	939	938	937	938	941	948	957	966	972	975	948	916	902	908				
55	791	783	772	756	742	743	747	754	758	756	751	752	727	712	715				
60	648	641	633	619	602	583	565	569	575	574	571	569	567	547	544				
65	506	503	497	488	475	460	447	437	427	427	426	423	422	414	404				
70	365	366	366	362	355	346	339	332	324	316	312	310	309	314	300				
75	225	232	238	241	241	240	238	235	231	226	222	222	220	219	216				
80	149	151	152	151	150	147	146	145	146	145	143	141	141	140	140				
85	80.7	81.4	81.6	80.8	79.5	78.0	76.7	75.4	73.8	72.4	70.8	68.4	66.2	64.0	62.1				
90	11.9	11.6	11.1	10.6	9.94	9.13	8.25	7.29	6.25	5.35	4.50	3.60	2.77	2.52	2.39				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-11-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks: