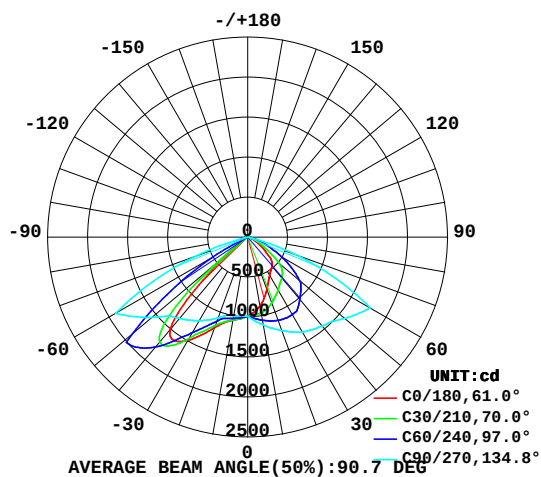


LUMINAIRE PHOTOMETRIC TEST REPORT

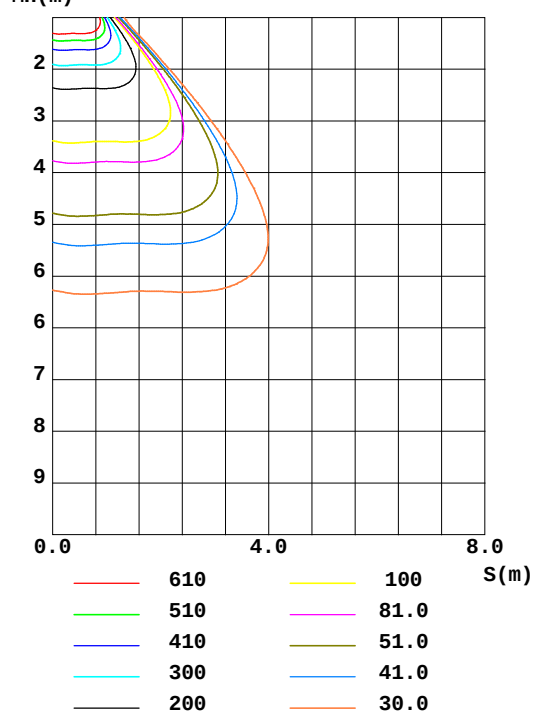
Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.83 lm/W			
MODEL	30W平板路灯	I _{max} (cd)	2055	S/MH(C0/180)	1.47
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.99
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3579.1	η UP, DN(C0-180)	0.0, 48.3
NOMINAL FLUX(lm)	3579.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.9	η down(%)	100.0	CIBSE SHR MAX	1.25

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: DAMIN
 Test Date: 2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [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	1025	1019	995.3	961.1	942.4	1002	1053	1060	0- 5	23.95	23.95	0.67, 0.67
10	1056	1045	1001	929.5	879.7	1012	1116	1126	5- 10	72.74	96.69	2.7, 2.7
15	1106	1076	1007	886.5	796.5	1011	1180	1201	10- 15	122.2	218.9	6.12, 6.12
20	1203	1123	1074	835.2	702.5	998.5	1244	1298	15- 20	173.3	392.2	11, 11
25	1342	1270	1142	803.5	617.2	964.3	1309	1447	20- 25	229.4	621.6	17.4, 17.4
30	1490	1479	1209	770.3	552.4	918.2	1373	1638	25- 30	291.5	913.1	25.5, 25.5
35	1584	1711	1269	736.0	508.8	868.4	1413	1834	30- 35	358.2	1271	35.5, 35.5
40	1507	1887	1329	701.0	476.1	817.0	1452	1962	35- 40	421.5	1693	47.3, 47.3
45	936.3	1593	1390	633.8	427.3	731.4	1492	1694	40- 45	453.3	2146	60, 60
50	257.2	876.6	1562	554.6	307.7	632.8	1584	1011	45- 50	416.3	2562	71.6, 71.6
55	124.9	196.6	1735	455.4	220.7	508.0	1677	294.4	50- 55	333.2	2896	80.9, 80.9
60	105.1	110.3	1908	299.6	144.8	318.6	1769	145.5	55- 60	265.8	3161	88.3, 88.3
65	80.70	94.60	1290	171.5	89.91	165.7	1198	102.0	60- 65	196.6	3358	93.8, 93.8
70	54.75	80.36	672.1	101.3	46.57	90.95	626.2	88.72	65- 70	125.7	3484	97.3, 97.3
75	38.00	70.58	54.10	64.53	34.51	60.62	54.73	86.89	70- 75	64.05	3548	99.1, 99.1
80	27.71	48.24	0	28.90	23.06	29.23	0	67.26	75- 80	23.48	3571	99.8, 99.8
85	17.72	0	0	0	8.878	0	0	0	80- 85	6.746	3578	100, 100
90	7.241	0	0	0	6.613	0	0	0	85- 90	1.035	3579	100, 100
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:cd									UNIT: lm		

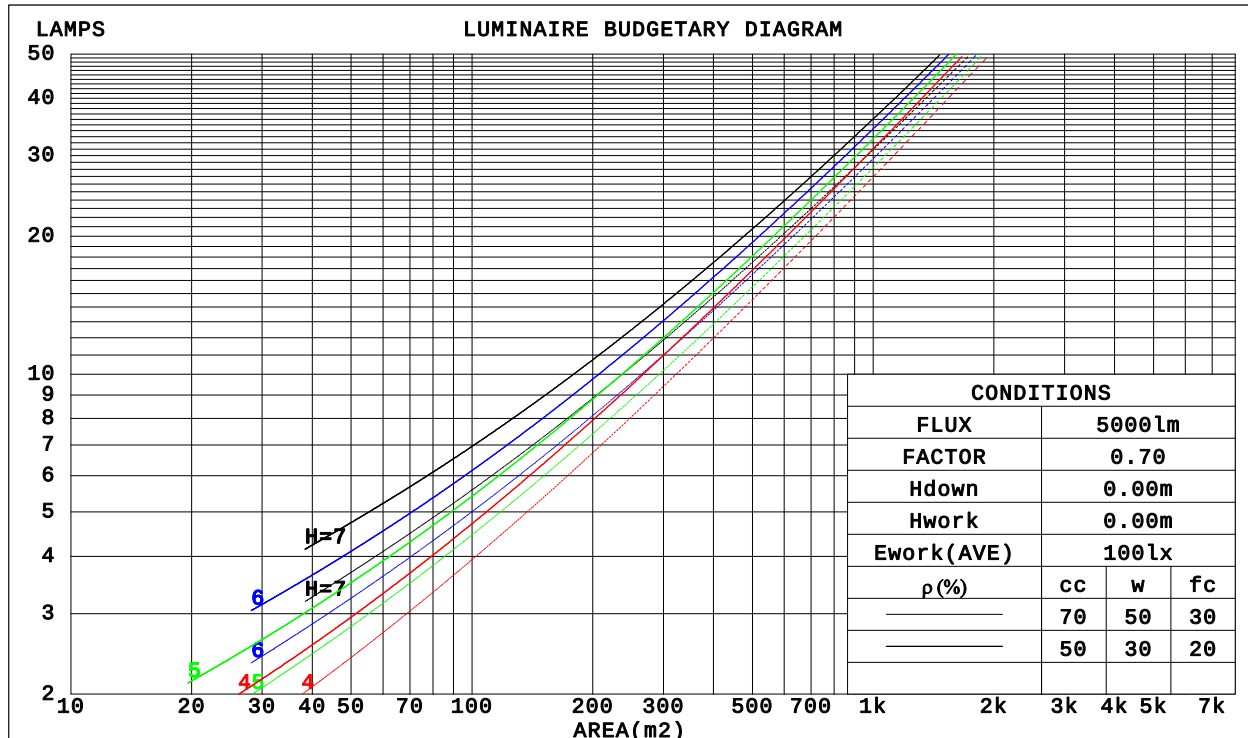
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION 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	1.02	1.02	1.02	.00
1.0	1.06	1.02	.99	1.04	1.01	.97	.90	.97	.94	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.69	.63	.57	.67	.61	.57	.65	.60	.56	.54
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000H_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm														
NAME:					TYPE:					WEIGHT:				
DIM.:					SPEC.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:					PROTECTION 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	.267	.152	.048	.260	.148	.047	.247	.142	.045	.235	.135	.043	.224	.130	.042				
2.0	.262	.144	.044	.256	.141	.043	.244	.136	.042	.234	.131	.041	.224	.127	.040				
3.0	.249	.133	.040	.244	.131	.039	.234	.127	.039	.225	.123	.038	.216	.120	.037				
4.0	.235	.122	.036	.230	.120	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034				
5.0	.221	.112	.033	.216	.111	.032	.208	.108	.032	.201	.106	.032	.194	.104	.031				
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.183	.096	.029				
7.0	.194	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026				
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024				
9.0	.172	.083	.023	.169	.083	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023				
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.094	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.060	.132	.087	.053	.090	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.147	.090	.049	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm											
NAME:					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: EVERFINE					SUR.:			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	2H	23.4	24.9	23.7	25.1	25.3	30.8	32.3	31.1	32.5	32.7
	3H	23.3	24.7	23.6	24.9	25.1	32.0	33.4	32.3	33.6	33.9
	4H	23.3	24.5	23.6	24.8	25.0	32.1	33.3	32.4	33.6	33.8
	6H	23.2	24.4	23.6	24.7	25.0	31.9	33.1	32.3	33.4	33.7
	8H	23.2	24.4	23.6	24.6	24.9	31.9	33.0	32.2	33.3	33.6
	12H	23.2	24.3	23.6	24.6	24.9	31.8	32.9	32.2	33.2	33.5
4H	2H	23.6	24.9	23.9	25.1	25.4	30.5	31.8	30.8	32.0	32.3
	3H	23.6	24.7	24.0	25.0	25.3	31.8	32.9	32.1	33.1	33.4
	4H	23.6	24.6	24.0	24.9	25.3	31.8	32.8	32.1	33.1	33.4
	6H	23.6	24.5	24.0	24.8	25.2	31.7	32.6	32.1	32.9	33.3
	8H	23.6	24.5	24.1	24.8	25.2	31.6	32.5	32.1	32.8	33.2
	12H	23.7	24.4	24.1	24.8	25.2	31.6	32.3	32.0	32.7	33.1
8H	4H	23.6	24.4	24.0	24.8	25.2	31.7	32.5	32.1	32.8	33.2
	6H	23.7	24.4	24.2	24.8	25.2	31.6	32.2	32.0	32.6	33.1
	8H	23.8	24.4	24.2	24.8	25.2	31.5	32.1	32.0	32.5	33.0
	12H	23.9	24.3	24.3	24.8	25.3	31.5	32.0	32.0	32.4	32.9
12H	4H	23.6	24.3	24.0	24.7	25.1	31.6	32.4	32.0	32.7	33.1
	6H	23.7	24.3	24.2	24.7	25.2	31.5	32.1	32.0	32.5	33.0
	8H	23.8	24.3	24.2	24.7	25.2	31.5	32.0	32.0	32.4	32.9
Variations with the observer position at spacings:											
S = 1.0H	+ 2.6 / - 5.3					+ 0.5 / - 0.7					
1.5H	+ 3.0 / - 5.8					+ 0.9 / - 3.0					
2.0H	+ 4.5 / - 3.0					+ 3.3 / -12.6					

CIE Pub.117 Corrected 3579 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-03-19

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

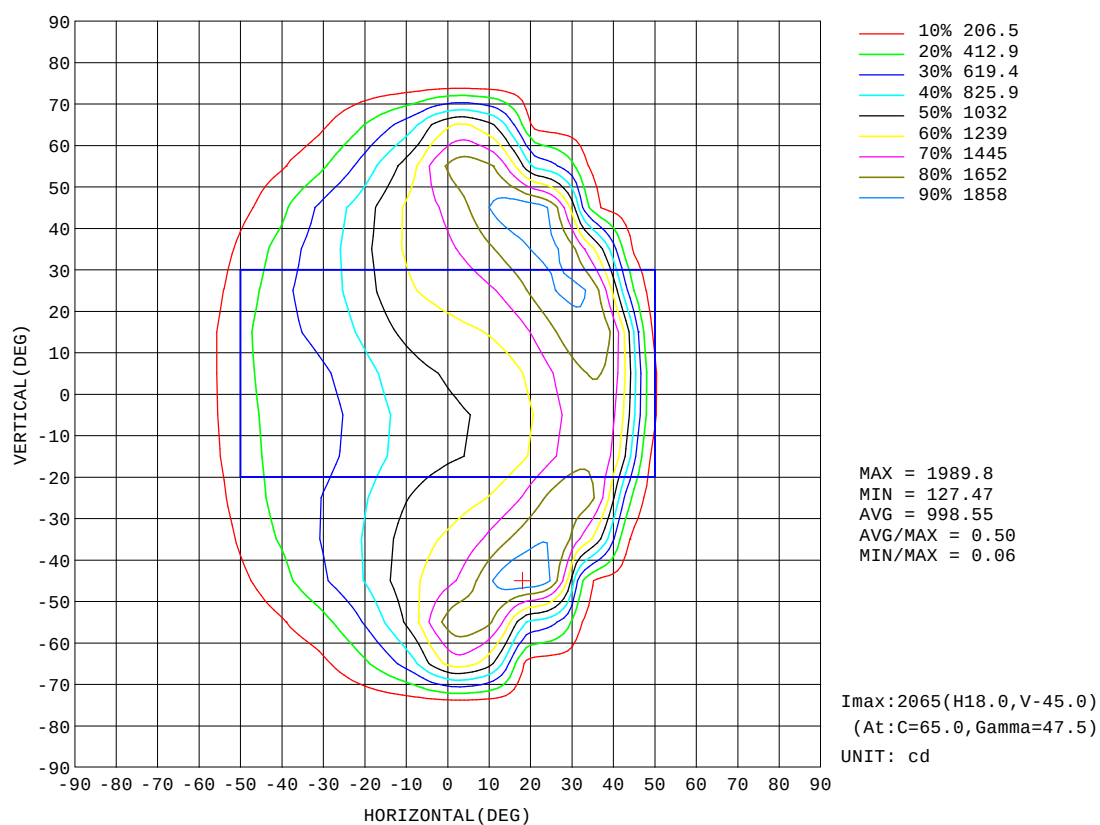
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	69	58	51	68	58	51	67	57	50	44
1.00	79	68	61	78	68	61	75	69	61	54
1.25	86	76	70	85	76	69	82	74	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	96	91	86	79
3.00	105	98	94	102	97	93	99	94	90	82
4.00	108	103	99	106	101	98	102	98	95	86
5.00	110	106	102	108	104	101	103	100	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: DAMIN
 Test Date: 2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

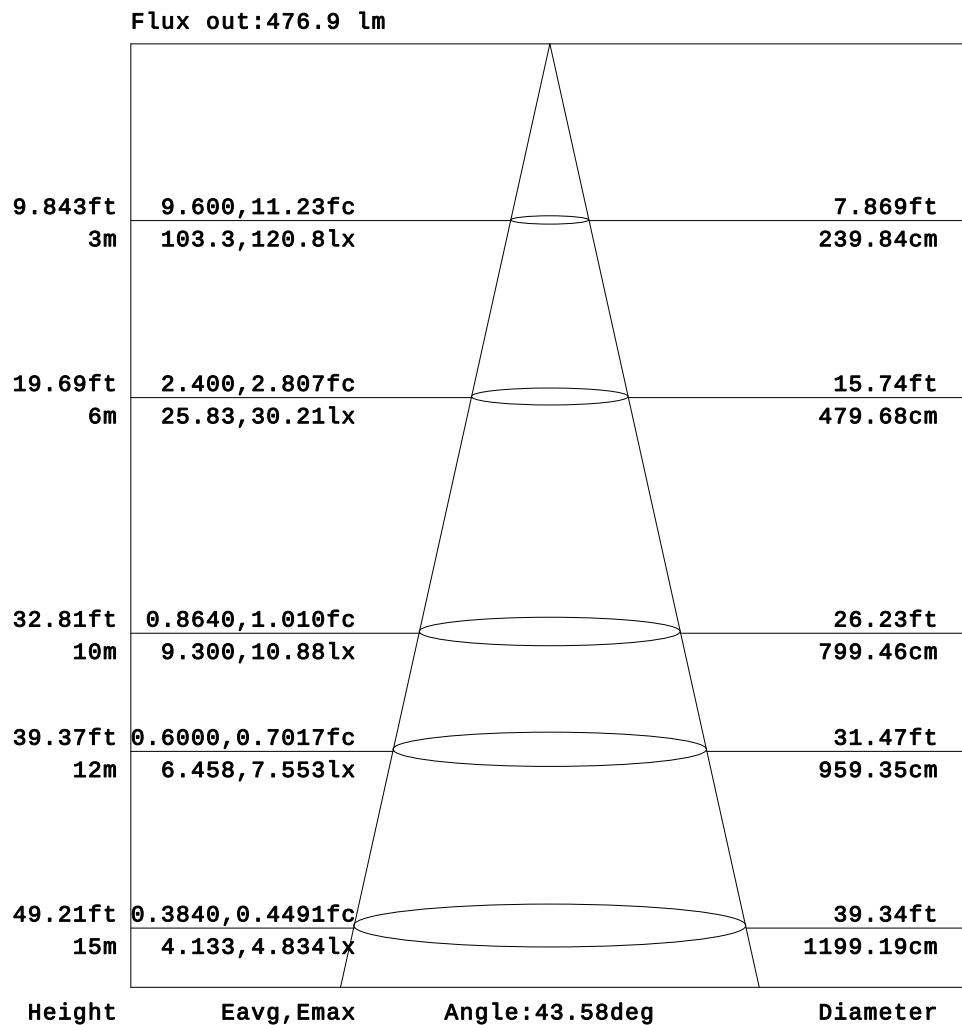


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-03-19

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



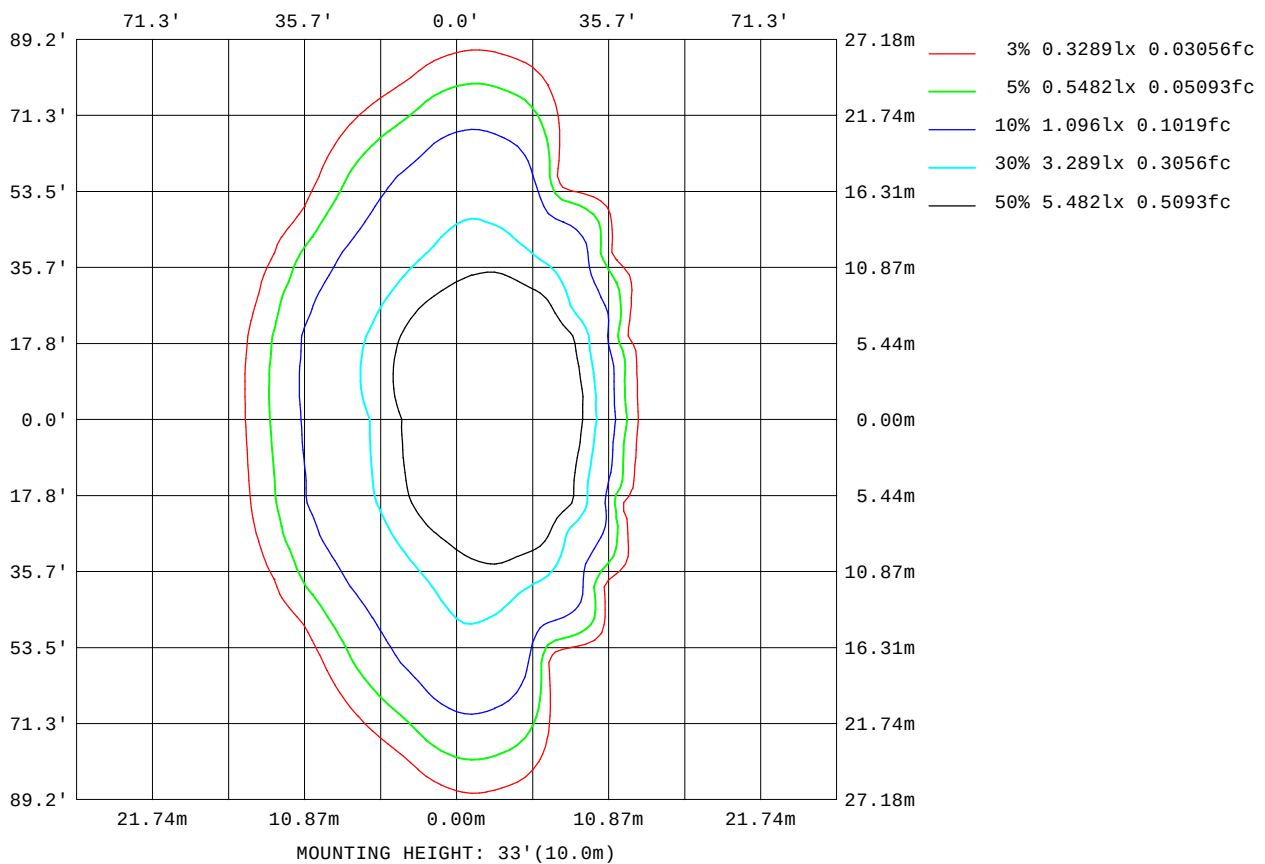
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-03-19

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000H_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

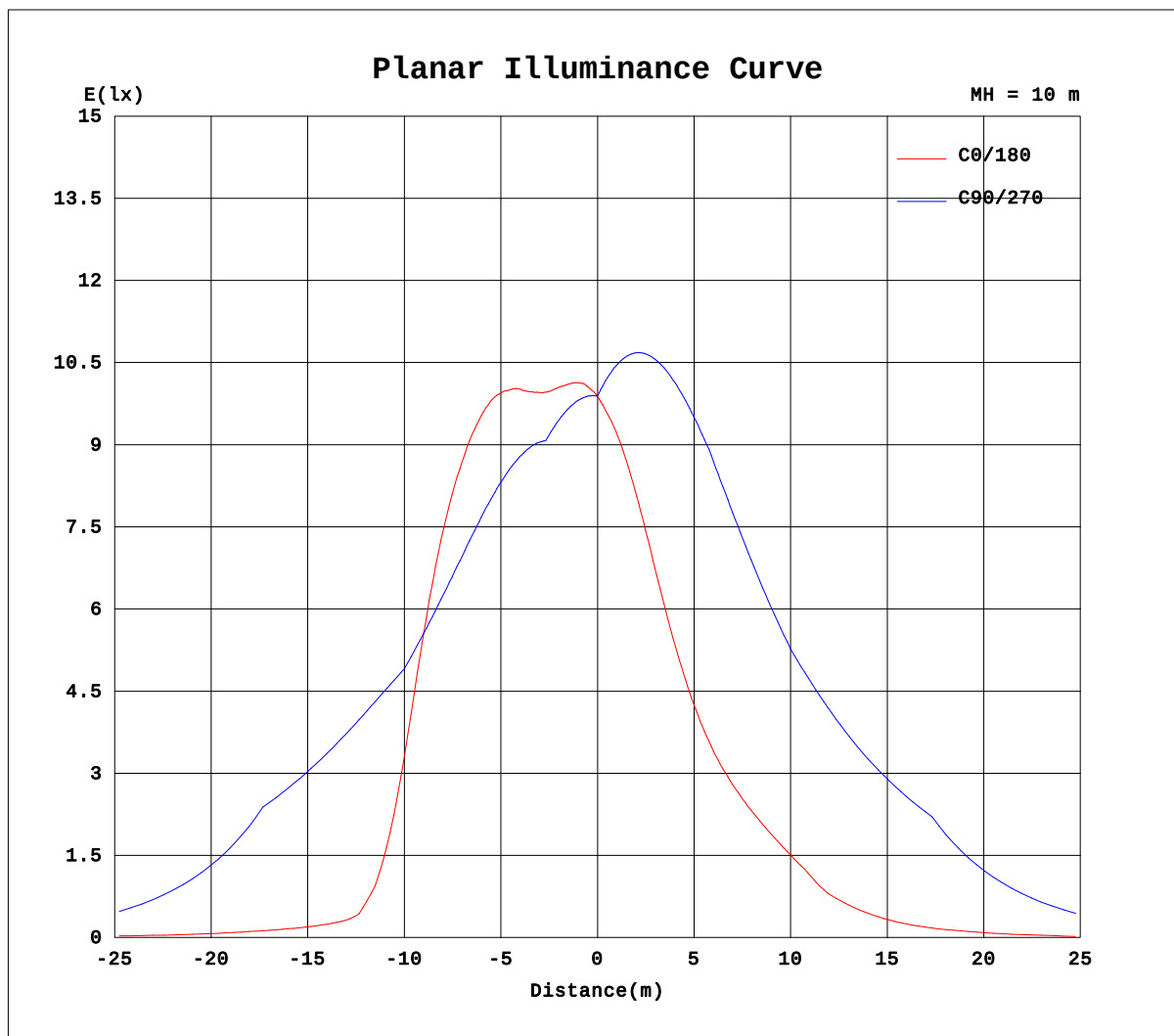
Test:U:230.5V I:0.1400A P:30.90W PF:0.9580 Lamp Flux:3579.1x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-03-19

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-03-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

```