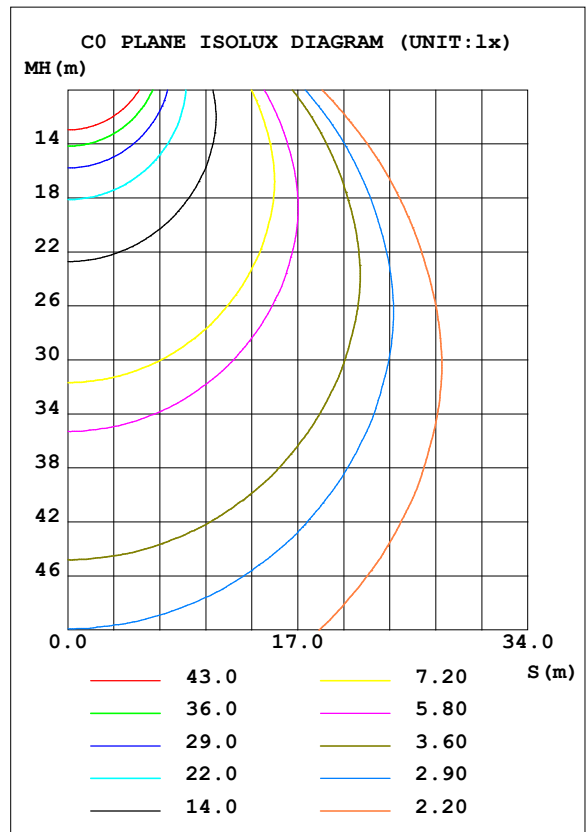
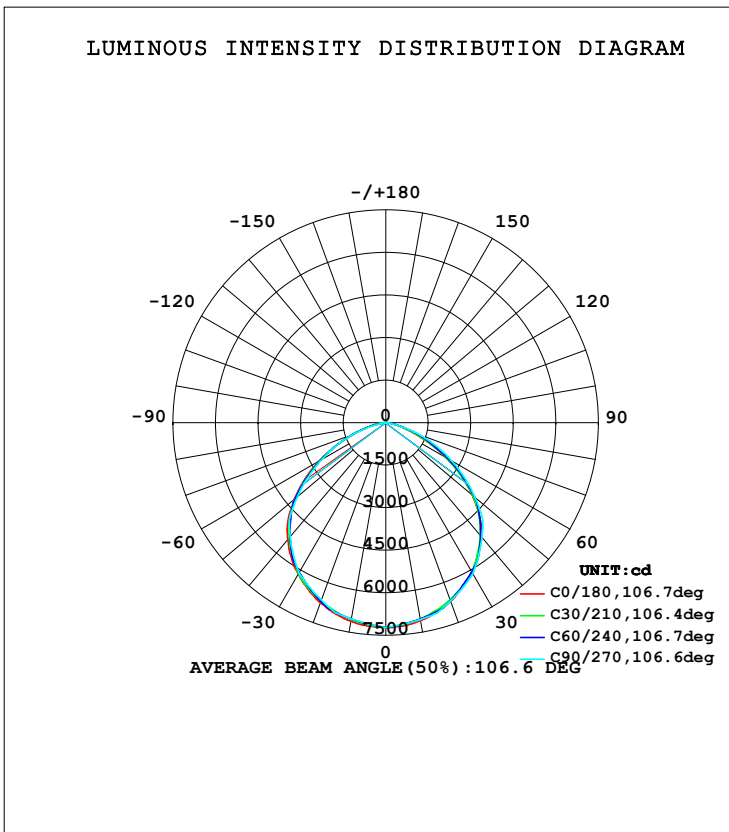


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.97 lm/W			
MODEL		I <sub>max</sub> (cd)	7228	S/MH (C0/180)	1.25
NOMINAL POWER (W)	142	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	18358	η UP, DN (C0-180)	0.0, 50.1
NOMINAL FLUX (lm)	18357.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230.3	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 55.0%  
 Test Distance: 8.852m [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	7191	7138	7134	7144	7191	7140	7124	7134	0- 5	171.5	171.5	0.93,0.93
10	7079	7023	7045	7038	7100	7034	7024	7012	5- 10	507.3	678.8	3.7,3.7
15	6919	6870	6956	6901	6964	6900	6924	6859	10- 15	826.8	1506	8.2,8.2
20	6694	6697	6688	6753	6751	6727	6657	6672	15- 20	1120	2625	14.3,14.3
25	6405	6381	6419	6454	6485	6437	6390	6370	20- 25	1372	3997	21.8,21.8
30	6077	6035	6151	6104	6166	6093	6123	6025	25- 30	1581	5579	30.4,30.4
35	5689	5675	5714	5757	5806	5742	5686	5654	30- 35	1739	7317	39.9,39.9
40	5255	5267	5277	5356	5379	5346	5248	5235	35- 40	1831	9149	49.8,49.8
45	4687	4655	4840	4796	4873	4751	4811	4636	40- 45	1855	11004	59.9,59.9
50	3979	4005	4116	4166	4211	4124	4077	3974	45- 50	1789	12793	69.7,69.7
55	3244	3315	3392	3515	3494	3468	3344	3281	50- 55	1619	14412	78.5,78.5
60	2444	2483	2667	2721	2728	2672	2611	2466	55- 60	1373	15786	86,86
65	1651	1697	1972	1936	1956	1901	1929	1687	60- 65	1074	16860	91.8,91.8
70	980.8	1072	1277	1274	1233	1241	1247	1062	65- 70	760.5	17620	96,96
75	527.7	628.9	581.4	769.8	688.7	745.1	564.5	618.9	70- 75	468.7	18089	98.5,98.5
80	235.5	224.5	0	292.1	340.3	276.5	0	215.1	75- 80	217.2	18306	99.7,99.7
85	57.95	0	0	0	115.8	0	0	0	80- 85	47.92	18354	100,100
90	6.687	0	0	0	7.523	0	0	0	85- 90	3.597	18358	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			

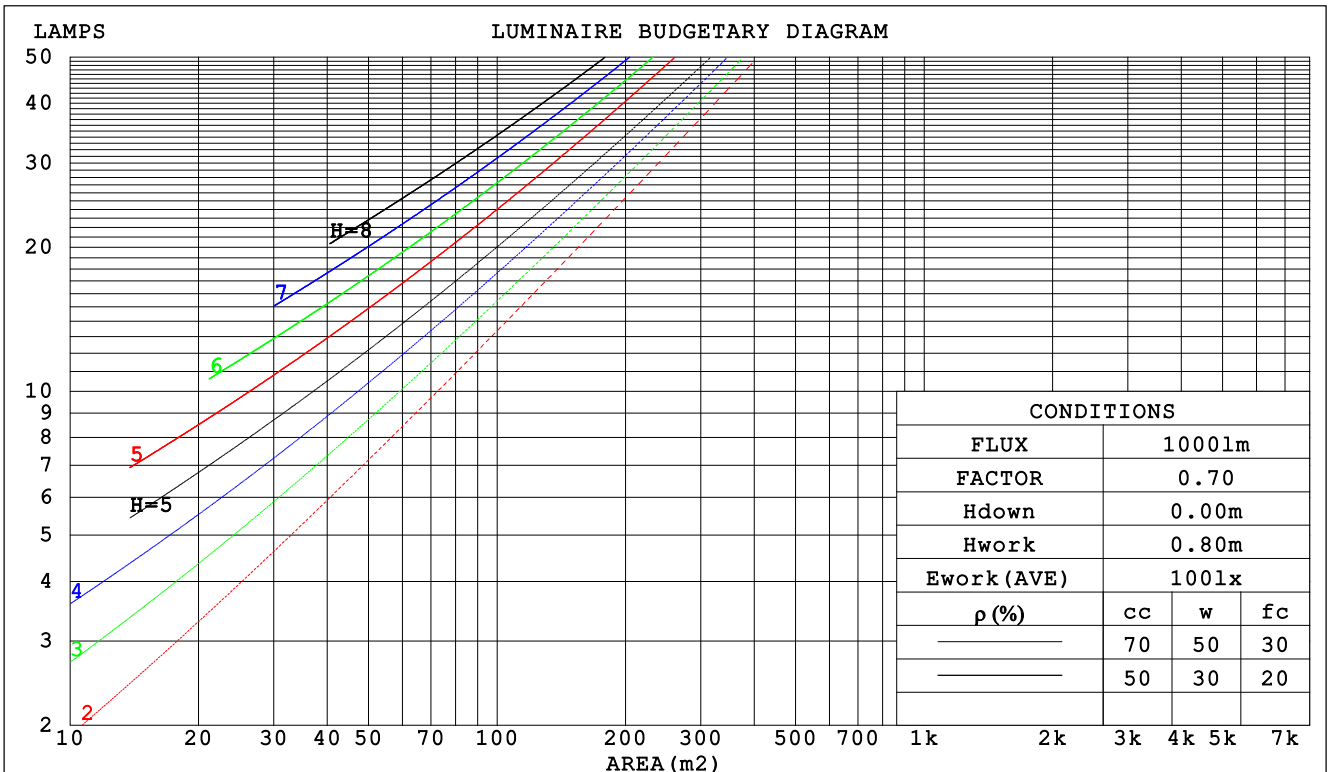
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.00
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.89	.87
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.79	.76	.74
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63
4.0	.74	.65	.59	.72	.65	.59	.70	.63	.58	.68	.62	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.63	.56	.50	.61	.55	.50	.59	.54	.49	.47
6.0	.60	.51	.45	.59	.50	.45	.57	.50	.44	.55	.49	.44	.54	.48	.43	.41
7.0	.54	.46	.40	.53	.45	.39	.52	.44	.39	.50	.44	.39	.49	.43	.39	.37
8.0	.49	.41	.35	.49	.41	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.45	.37	.32	.45	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.30
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.38	.33	.28	.27



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	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 Coefficients (WEC)									
0.0																
1.0	.270	.154	.049	.263	.150	.048	.250	.144	.046	.238	.137	.044	.227	.132	.042	
2.0	.263	.144	.044	.257	.142	.044	.246	.137	.042	.235	.132	.041	.225	.128	.040	
3.0	.249	.132	.040	.244	.130	.039	.233	.127	.038	.224	.123	.038	.215	.119	.037	
4.0	.233	.121	.036	.228	.120	.035	.219	.116	.035	.211	.113	.034	.203	.111	.034	
5.0	.218	.111	.032	.214	.110	.032	.206	.107	.032	.198	.105	.031	.191	.102	.031	
6.0	.204	.102	.029	.200	.101	.029	.193	.099	.029	.186	.097	.028	.180	.095	.028	
7.0	.191	.094	.027	.188	.093	.027	.181	.092	.026	.175	.090	.026	.170	.088	.026	
8.0	.179	.088	.025	.176	.087	.025	.171	.085	.024	.165	.084	.024	.160	.082	.024	
9.0	.169	.082	.023	.166	.081	.023	.161	.080	.023	.156	.078	.022	.152	.077	.022	
10.0	.159	.076	.021	.157	.076	.021	.152	.075	.021	.148	.073	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.077	.138	.098	.067	.094	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.146	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.041	.119	.071	.035	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm										
NAME: 经济款工矿灯过EMC150W 230V 6500K					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: MKOPTO					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	30.8	32.2	31.0	32.4	32.6	31.1	32.5	31.4	32.7	32.9
3H	31.4	32.7	31.7	33.0	33.2	32.0	33.3	32.3	33.6	33.8
4H	31.5	32.8	31.8	33.0	33.3	32.2	33.4	32.5	33.7	33.9
6H	31.5	32.7	31.9	33.0	33.3	32.1	33.3	32.5	33.6	33.8
8H	31.5	32.6	31.8	32.9	33.2	32.1	33.2	32.4	33.5	33.8
12H	31.5	32.6	31.8	32.8	33.1	32.0	33.1	32.4	33.4	33.7
4H 2H	31.2	32.4	31.5	32.7	32.9	31.4	32.7	31.7	32.9	33.2
3H	31.9	33.0	32.2	33.3	33.6	32.5	33.6	32.8	33.9	34.2
4H	32.1	33.1	32.5	33.4	33.7	32.7	33.7	33.1	34.0	34.3
6H	32.2	33.0	32.5	33.4	33.7	32.7	33.6	33.1	33.9	34.3
8H	32.1	33.0	32.6	33.3	33.7	32.6	33.4	33.0	33.8	34.2
12H	32.1	32.9	32.5	33.2	33.6	32.6	33.3	33.0	33.7	34.1
8H 4H	32.1	33.0	32.6	33.3	33.7	32.7	33.5	33.1	33.9	34.3
6H	32.3	32.9	32.7	33.3	33.8	32.7	33.4	33.2	33.8	34.2
8H	32.3	32.9	32.8	33.3	33.7	32.7	33.3	33.1	33.7	34.1
12H	32.3	32.8	32.8	33.2	33.7	32.6	33.1	33.1	33.6	34.1
12H 4H	32.1	32.8	32.5	33.2	33.6	32.7	33.4	33.1	33.8	34.2
6H	32.2	32.8	32.7	33.2	33.7	32.7	33.3	33.1	33.7	34.1
8H	32.3	32.8	32.7	33.2	33.7	32.7	33.2	33.1	33.6	34.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.7 / - 0.8					+ 0.7 / - 0.9				

CIE Pub.117 Corrected 18358 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.1)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

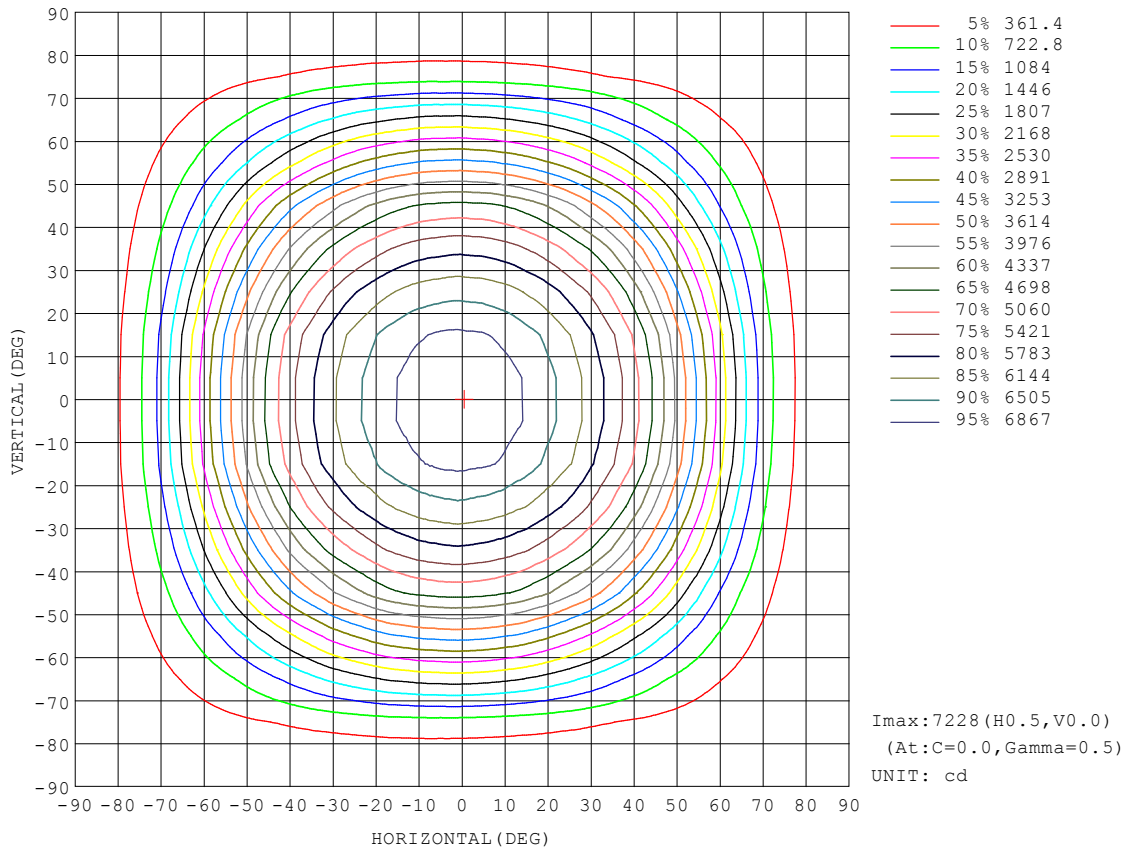
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	49	42	58	48	42	36
0.80	71	60	53	70	59	52	68	58	52	45
1.00	79	69	62	78	68	62	76	70	61	55
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	90	84	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	94	102	97	92	98	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: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

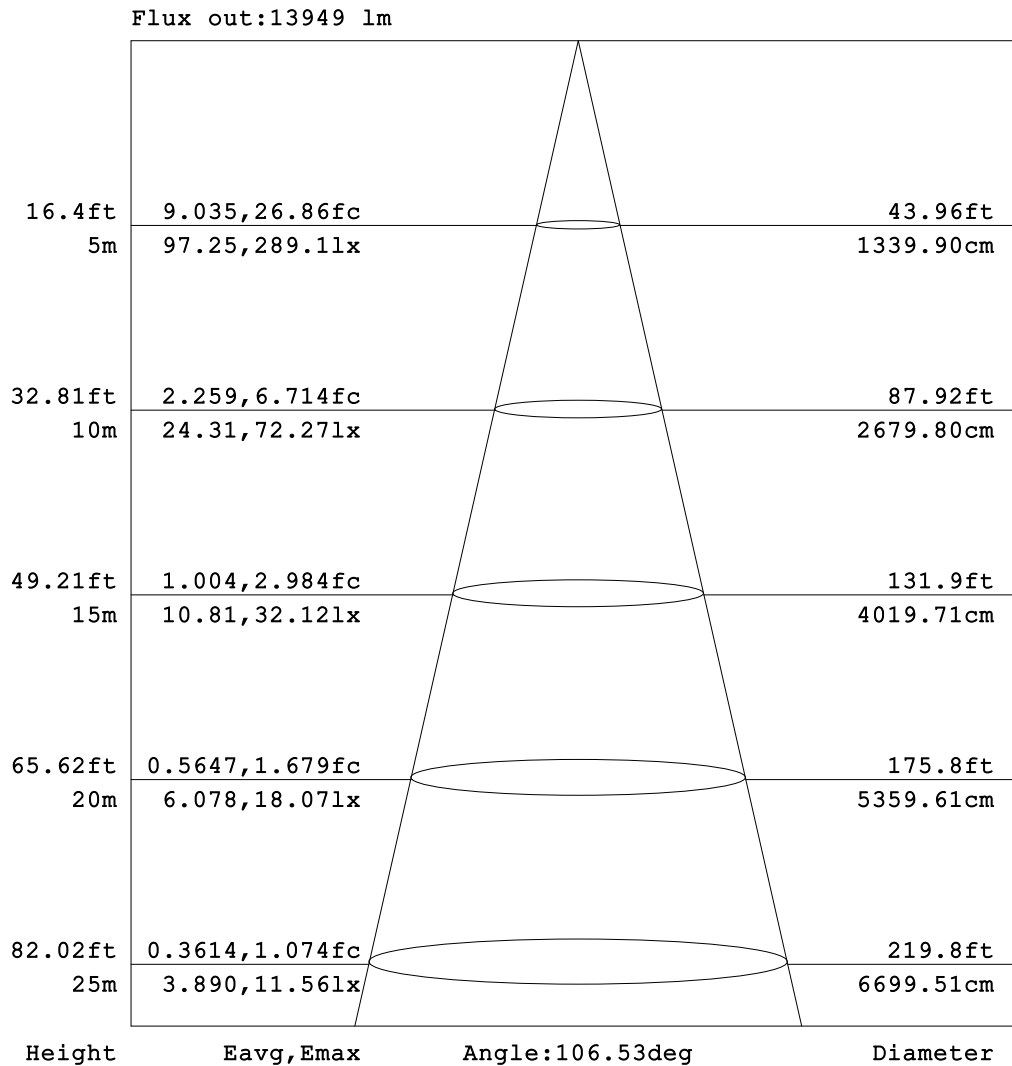


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 55.0%  
 Test Distance: 8.852m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:



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

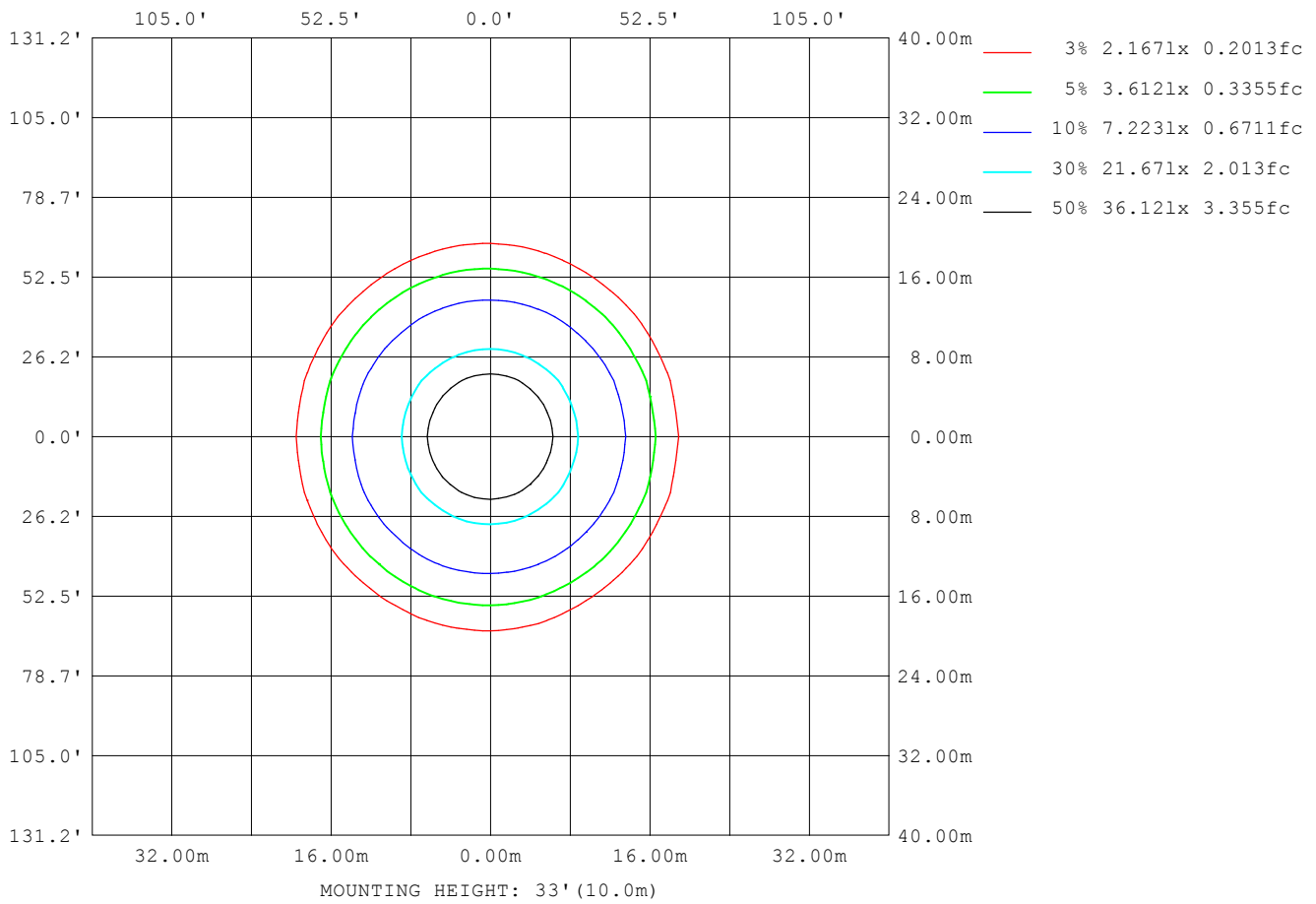
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 55.0%  
 Test Distance: 8.852m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

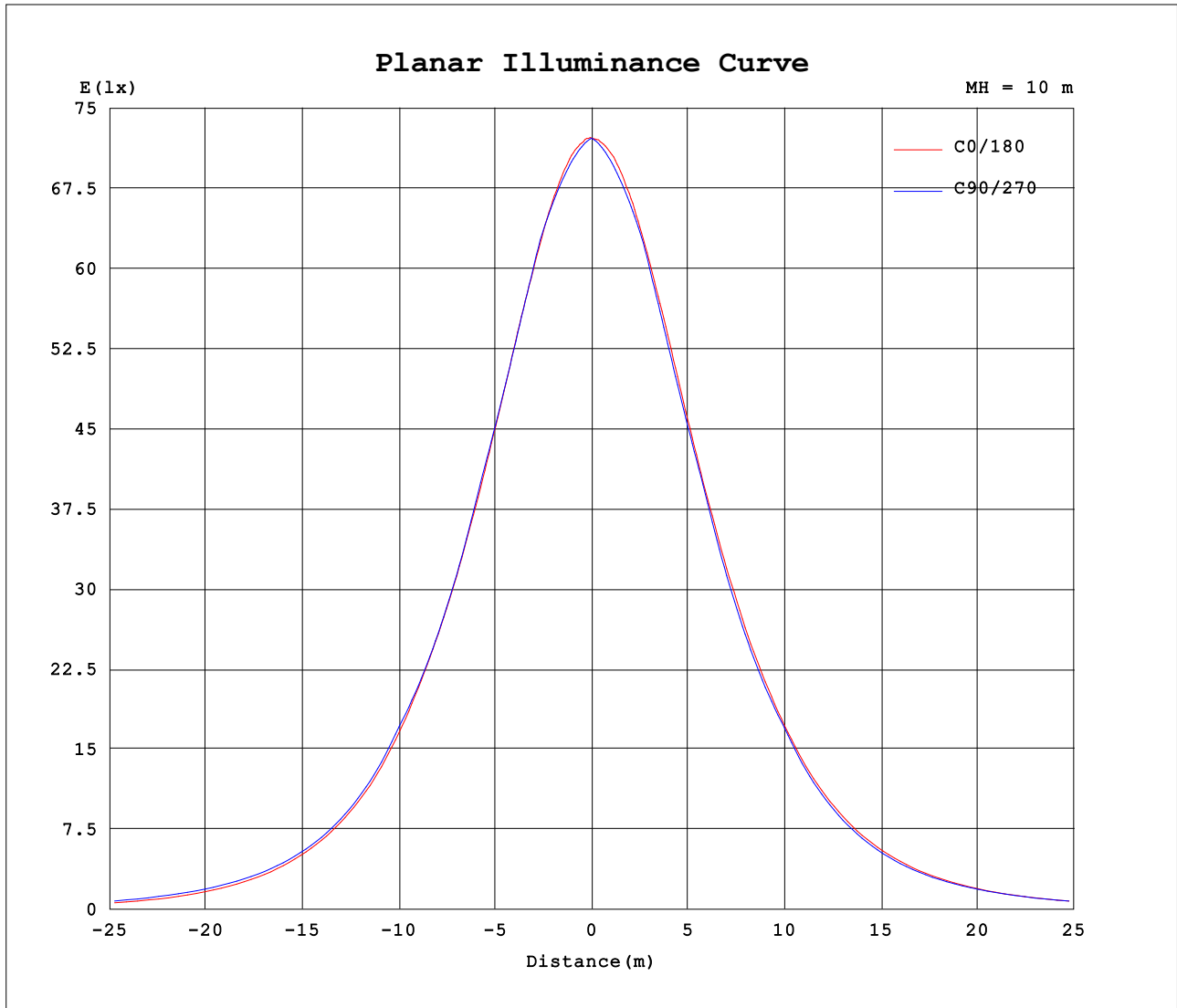
Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 55.0%  
 Test Distance: 8.852m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223
5	7191	7183	7175	7168	7162	7157	7149	7142	7138	7138	7134	7131	7129	7133	7133	7133	7134	7136	7134
10	7079	7065	7054	7046	7039	7032	7030	7027	7024	7023	7027	7028	7029	7028	7027	7029	7033	7042	7045
15	6919	6897	6880	6869	6863	6862	6853	6854	6861	6870	6888	6900	6907	6918	6926	6928	6933	6941	6956
20	6694	6665	6643	6630	6625	6629	6636	6659	6675	6697	6689	6681	6684	6678	6675	6673	6665	6671	6688
25	6405	6373	6353	6344	6345	6358	6387	6410	6391	6381	6382	6377	6369	6381	6383	6393	6394	6403	6419
30	6077	6035	6014	6015	6036	6067	6077	6045	6028	6035	6040	6055	6072	6075	6097	6105	6116	6139	6151
35	5689	5648	5631	5635	5657	5663	5637	5650	5663	5675	5692	5721	5707	5695	5691	5685	5695	5701	5714
40	5255	5208	5195	5213	5228	5185	5187	5209	5242	5267	5228	5202	5207	5219	5229	5241	5255	5264	5277
45	4687	4618	4609	4662	4633	4625	4648	4722	4686	4655	4646	4651	4685	4715	4769	4789	4812	4831	4840
50	3979	3920	3933	3958	3938	3966	4014	3982	3987	4005	4041	4065	4095	4101	4104	4105	4105	4107	4116
55	3244	3183	3218	3194	3208	3247	3221	3231	3258	3315	3305	3305	3301	3320	3337	3356	3363	3377	3392
60	2444	2387	2414	2413	2460	2424	2435	2476	2487	2483	2488	2507	2517	2542	2572	2607	2621	2646	2667
65	1651	1611	1615	1647	1647	1655	1677	1704	1707	1697	1693	1727	1789	1841	1883	1917	1934	1955	1972
70	981	964	963	977	976	1005	1032	1021	1008	1072	1120	1166	1199	1221	1236	1249	1255	1265	1277
75	528	513	520	520	532	539	541	579	609	629	638	639	631	616	601	585	577	576	581
80	236	232	232	242	246	259	265	264	252	225	193	160	124	91.4	61.4	35.8	16.5	4.25	0.00
85	57.9	59.2	64.2	68.4	61.5	35.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION 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	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223
5	7130	7132	7133	7134	7135	7133	7136	7140	7144	7147	7150	7155	7160	7165	7171	7177	7184	7191	7183
10	7045	7043	7037	7041	7043	7041	7040	7043	7038	7043	7044	7048	7054	7061	7067	7075	7086	7100	7086
15	6959	6946	6953	6945	6936	6929	6916	6910	6901	6903	6899	6891	6898	6903	6913	6925	6942	6964	6940
20	6691	6690	6694	6694	6700	6713	6729	6743	6753	6728	6714	6705	6696	6689	6693	6704	6723	6751	6724
25	6423	6420	6414	6417	6421	6419	6432	6438	6454	6474	6482	6461	6450	6445	6439	6440	6456	6485	6453
30	6156	6141	6148	6142	6122	6117	6112	6117	6104	6121	6146	6172	6169	6135	6117	6119	6134	6166	6131
35	5717	5719	5727	5739	5751	5767	5793	5767	5757	5747	5752	5766	5806	5810	5782	5764	5772	5806	5766
40	5281	5280	5286	5289	5295	5298	5295	5315	5356	5363	5346	5336	5340	5376	5356	5329	5339	5379	5337
45	4849	4841	4850	4837	4829	4800	4770	4768	4796	4823	4878	4832	4816	4829	4898	4843	4831	4873	4821
50	4125	4138	4169	4196	4221	4228	4227	4200	4166	4174	4201	4229	4191	4176	4212	4194	4168	4211	4161
55	3396	3409	3424	3451	3460	3460	3479	3493	3515	3501	3474	3466	3494	3473	3463	3493	3447	3494	3442
60	2666	2677	2678	2702	2697	2698	2711	2704	2721	2742	2761	2723	2707	2730	2696	2733	2699	2728	2696
65	1974	1987	1992	2004	1987	1974	1958	1929	1936	1956	1972	1973	1944	1936	1942	1937	1935	1956	1938
70	1283	1300	1313	1331	1335	1341	1338	1308	1274	1225	1241	1261	1260	1242	1236	1224	1233	1233	1228
75	593	614	637	667	695	724	752	765	770	761	739	705	708	715	702	694	695	689	687
80	4.38	17.6	39.3	69.0	105	147	194	242	292	341	361	369	366	353	349	350	343	340	337
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.6	111	117	101	98.4	116	117
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.52	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION 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	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223
5	7176	7169	7163	7157	7152	7146	7143	7140	7136	7132	7129	7130	7128	7125	7123	7122	7124	7126	7123
10	7074	7065	7058	7051	7043	7040	7035	7034	7035	7031	7030	7031	7031	7028	7029	7027	7024	7019	7020
15	6921	6905	6893	6890	6887	6894	6897	6900	6901	6905	6912	6921	6928	6933	6932	6933	6924	6915	6915
20	6704	6690	6683	6686	6695	6699	6712	6727	6733	6721	6701	6685	6676	6672	6669	6667	6657	6650	6653
25	6432	6425	6425	6432	6455	6482	6459	6437	6417	6408	6408	6403	6395	6390	6390	6397	6390	6380	6385
30	6115	6113	6126	6159	6153	6121	6100	6093	6093	6095	6098	6109	6112	6112	6108	6124	6123	6110	6111
35	5751	5757	5779	5775	5747	5734	5737	5742	5749	5769	5745	5725	5713	5699	5683	5688	5686	5676	5681
40	5328	5354	5368	5316	5302	5316	5333	5346	5297	5264	5252	5251	5253	5253	5244	5248	5248	5237	5237
45	4820	4872	4823	4786	4794	4836	4793	4751	4737	4736	4741	4769	4784	4802	4806	4811	4811	4798	4789
50	4179	4186	4148	4161	4193	4150	4128	4124	4137	4170	4180	4156	4135	4116	4101	4082	4077	4063	4065
55	3483	3454	3453	3471	3438	3445	3453	3468	3435	3428	3414	3395	3384	3373	3369	3345	3344	3320	3315
60	2727	2693	2727	2686	2696	2731	2707	2672	2662	2649	2652	2647	2634	2624	2635	2608	2611	2577	2563
65	1934	1945	1924	1927	1943	1941	1922	1901	1888	1899	1936	1950	1947	1941	1951	1929	1929	1904	1888
70	1207	1214	1217	1234	1235	1211	1194	1241	1272	1303	1308	1308	1290	1276	1271	1251	1247	1233	1224
75	682	683	692	687	677	711	733	745	740	729	701	673	641	612	594	574	565	562	563
80	339	340	337	349	349	342	319	277	232	186	141	101	66.3	37.7	17.0	4.24	0.00	4.15	16.1
85	116	119	104	54.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.6366A P:141.2W PF:0.9644 Lamp Flux:18357.7x1 lm		
NAME: 经济款工矿灯过EMC150W 230V 6500K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: MKOPTO	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223	7223				
5	7124	7127	7127	7124	7125	7129	7134	7135	7138	7146	7154	7160	7167	7174	7182				
10	7017	7017	7017	7018	7013	7012	7012	7012	7016	7019	7023	7032	7041	7051	7064				
15	6912	6907	6892	6884	6874	6866	6859	6854	6848	6847	6849	6853	6861	6875	6894				
20	6657	6653	6655	6663	6672	6678	6672	6651	6639	6627	6623	6622	6629	6643	6664				
25	6376	6372	6372	6366	6355	6357	6370	6385	6404	6377	6356	6342	6339	6350	6371				
30	6101	6092	6077	6048	6042	6035	6025	6024	6030	6059	6058	6027	6011	6014	6037				
35	5677	5683	5676	5697	5718	5687	5654	5638	5635	5642	5663	5662	5638	5632	5648				
40	5221	5212	5191	5190	5191	5202	5235	5246	5214	5184	5190	5226	5205	5190	5204				
45	4758	4730	4695	4655	4632	4611	4636	4674	4716	4651	4620	4623	4657	4619	4625				
50	4063	4063	4060	4072	4044	3989	3974	3967	3973	4015	3960	3936	3953	3927	3915				
55	3306	3293	3282	3282	3270	3262	3281	3235	3219	3204	3231	3195	3182	3209	3180				
60	2546	2525	2511	2498	2479	2470	2466	2468	2459	2416	2415	2446	2400	2415	2389				
65	1871	1845	1817	1781	1711	1687	1687	1695	1692	1666	1646	1643	1653	1622	1616				
70	1219	1211	1201	1188	1153	1112	1062	1000	1021	1026	1013	990	992	973	970				
75	573	585	599	618	626	629	619	604	575	544	544	544	533	533	525				
80	35.1	59.5	88.0	120	153	186	215	242	255	262	259	248	243	239	238				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.9	58.0	65.1	63.2	60.8			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-10-05

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:55.0%  
 Test Distance:8.852m [K=1.0000]  
 Remarks: