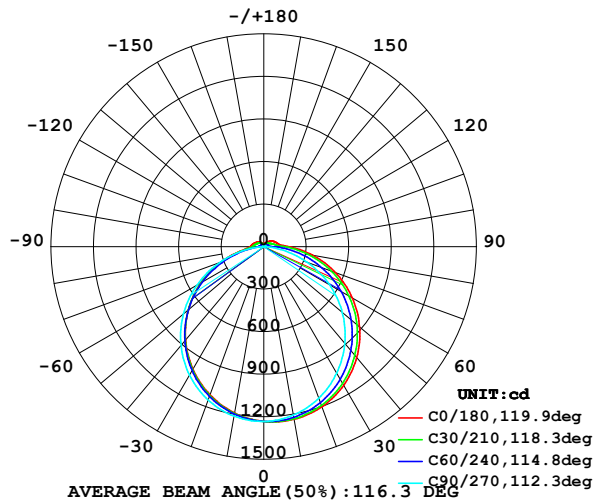


LUMINAIRE PHOTOMETRIC TEST REPORT

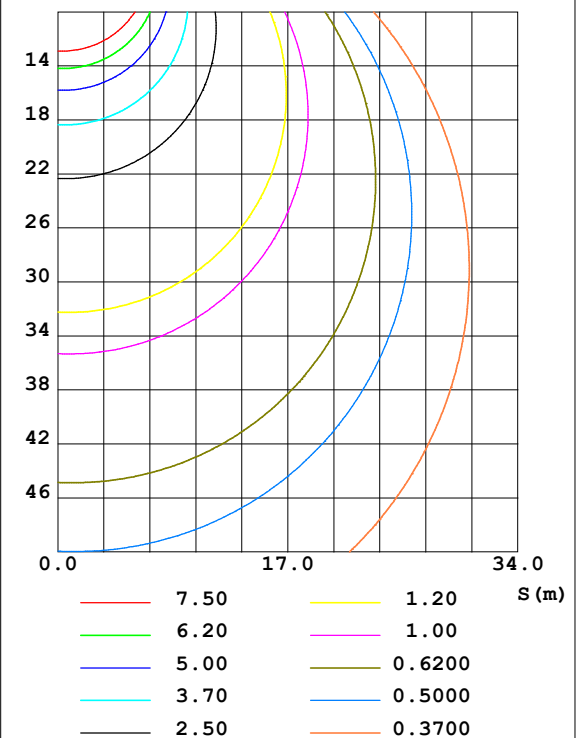
Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.15 lm/W			
MODEL		I _{max} (cd)	1246	S/MH (C0/180)	1.36
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4026.7	η UP,DN(C0-180)	3.0,46.6
NOMINAL FLUX(lm)	4026.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.3,47.2
LAMPS INSIDE	1	η up (%)	6.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down (%)	93.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [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	1236	1228	1205	1185	1191	1194	1213	1238	0- 10	116.7	116.7	2.9,2.9
20	1202	1184	1137	1099	1112	1115	1150	1203	10- 20	334.8	451.5	11.2,11.2
30	1128	1102	1029	979.6	998.4	1001	1047	1128	20- 30	509.7	961.1	23.9,23.9
40	1020	985.5	890.1	831.9	858.2	856.2	908.6	1017	30- 40	619.7	1581	39.3,39.3
50	882.9	840.6	723.4	661.7	694.6	686.3	740.0	875.3	40- 50	652.2	2233	55.5,55.5
60	720.8	671.8	534.3	473.9	514.0	496.7	546.8	707.6	50- 60	604.2	2837	70.5,70.5
70	539.3	485.0	327.9	278.6	323.8	297.9	332.7	518.7	60- 70	482.4	3320	82.4,82.4
80	348.4	289.4	122.2	111.4	157.7	119.9	119.7	320.0	70- 80	309.0	3629	90.1,90.1
90	177.5	120.1	1.864	61.39	96.53	60.94	2.625	141.7	80- 90	146.6	3775	93.8,93.8
100	107.7	50.63	2.400	51.30	84.88	51.35	3.746	72.07	90-100	72.39	3848	95.6,95.6
110	92.08	39.68	3.500	42.73	73.37	43.33	5.357	59.32	100-110	53.07	3901	96.9,96.9
120	77.99	35.81	4.800	35.42	61.91	36.48	7.030	52.14	110-120	42.20	3943	97.9,97.9
130	63.57	31.10	6.250	29.00	50.69	30.26	8.654	41.31	120-130	31.83	3975	98.7,98.7
140	41.73	24.95	7.985	22.95	39.75	24.32	10.11	33.68	130-140	22.67	3997	99.3,99.3
150	33.99	20.59	9.988	17.51	29.35	18.76	11.63	26.93	140-150	14.86	4012	99.6,99.6
160	25.97	18.90	11.68	12.96	19.93	13.90	12.75	21.73	150-160	8.817	4021	99.9,99.9
170	17.39	15.70	12.87	10.99	12.67	11.01	13.41	17.25	160-170	4.370	4025	100,100
180	11.49	12.45	13.68	13.78	11.50	12.47	13.69	13.77	170-180	1.275	4027	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

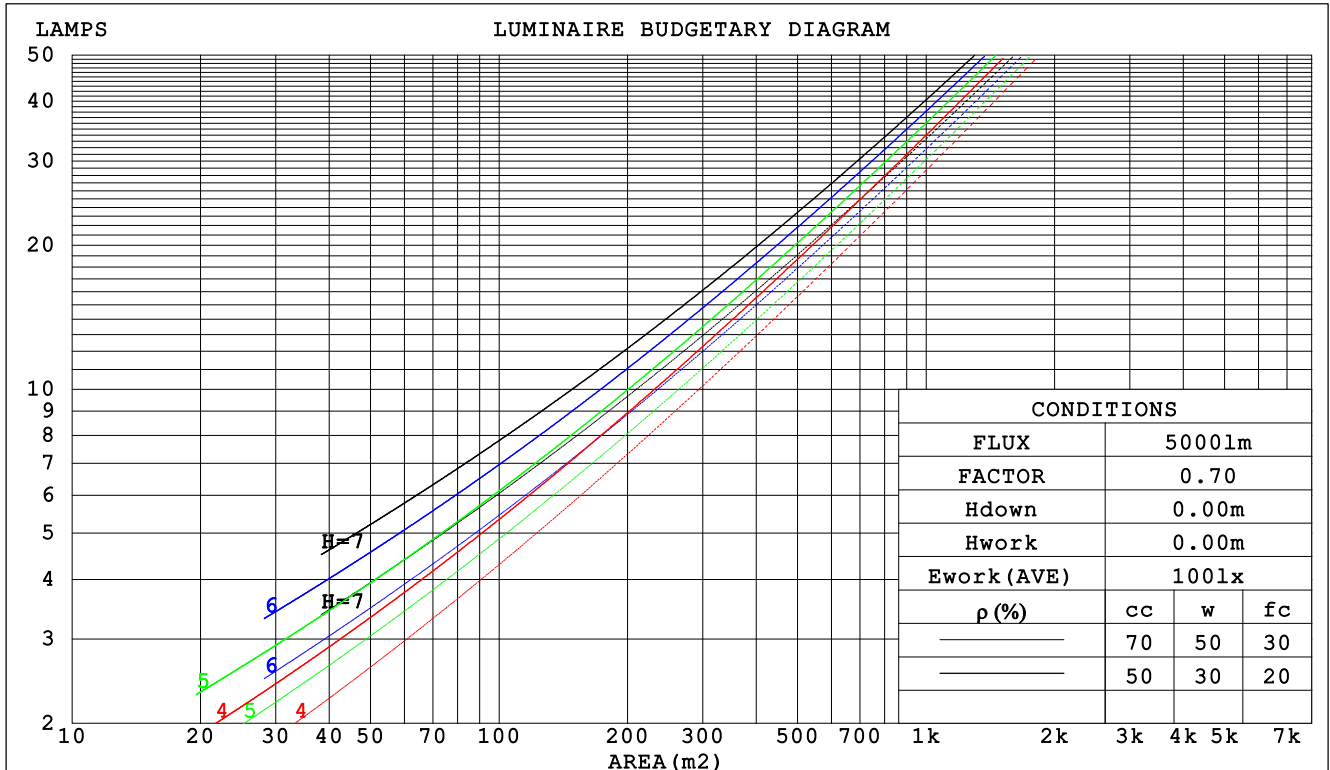
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION 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			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	1.01	.97	.92	.98	.94	.90	.93	.89	.86	.88	.85	.82	.83	.81	.79	.76
2.0	.88	.80	.74	.85	.79	.73	.81	.75	.70	.76	.72	.68	.72	.69	.65	.63
3.0	.77	.68	.61	.75	.67	.60	.71	.64	.59	.67	.61	.57	.64	.59	.55	.52
4.0	.68	.59	.52	.66	.57	.51	.63	.55	.50	.59	.53	.48	.57	.51	.47	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.48	.43	.53	.47	.42	.51	.45	.41	.38
6.0	.54	.45	.39	.53	.44	.38	.50	.43	.37	.48	.41	.36	.46	.40	.36	.33
7.0	.49	.40	.34	.48	.39	.34	.46	.38	.33	.44	.37	.32	.42	.36	.32	.29
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.29	.40	.34	.29	.38	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.38	.31	.26	.37	.30	.26	.35	.30	.25	.23
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm					
NAME: TP-M2-040-NW			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:		PROTECTION 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	.333	.189	.060	.324	.185	.059	.307	.176	.056	.292	.168	.054	.277	.161	.052		
2.0	.304	.167	.051	.296	.163	.050	.281	.156	.049	.267	.150	.047	.255	.144	.045		
3.0	.278	.148	.044	.271	.145	.044	.257	.139	.042	.245	.134	.041	.233	.129	.040		
4.0	.254	.132	.039	.248	.130	.038	.236	.125	.037	.225	.121	.036	.214	.116	.035		
5.0	.234	.119	.035	.228	.117	.034	.217	.113	.033	.207	.109	.033	.198	.106	.032		
6.0	.216	.108	.031	.211	.107	.031	.201	.103	.030	.192	.100	.029	.183	.097	.029		
7.0	.201	.099	.028	.196	.098	.028	.187	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.187	.091	.026	.183	.090	.025	.175	.087	.025	.167	.085	.024	.160	.082	.024		
9.0	.175	.085	.024	.171	.083	.023	.164	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.164	.079	.022	.161	.078	.022	.154	.075	.021	.148	.073	.021	.142	.071	.020		

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	.238	.238	.238	.203	.203	.203	.139	.139	.139	.080	.080	.080	.026	.026	.026	
1.0	.230	.204	.180	.197	.175	.155	.135	.120	.107	.077	.070	.062	.025	.022	.020	
2.0	.222	.180	.145	.190	.155	.125	.130	.107	.087	.075	.062	.051	.024	.020	.017	
3.0	.215	.163	.122	.184	.141	.106	.126	.098	.074	.073	.057	.044	.023	.019	.014	
4.0	.207	.150	.106	.178	.130	.092	.122	.090	.065	.071	.053	.038	.023	.017	.013	
5.0	.199	.140	.096	.171	.121	.083	.118	.084	.059	.068	.050	.035	.022	.016	.011	
6.0	.192	.131	.088	.165	.114	.077	.114	.080	.054	.066	.047	.032	.021	.015	.011	
7.0	.185	.125	.082	.159	.108	.072	.110	.076	.051	.064	.045	.030	.021	.015	.010	
8.0	.179	.119	.078	.154	.103	.068	.106	.072	.048	.062	.043	.029	.020	.014	.009	
9.0	.173	.114	.074	.149	.099	.065	.103	.070	.046	.060	.041	.028	.019	.013	.009	
10.0	.167	.110	.072	.144	.095	.063	.100	.067	.045	.058	.040	.027	.019	.013	.009	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm										
NAME: TP-M2-040-NW						TYPE:			WEIGHT:	
SPEC.:						DIM.:			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	22.3	23.8	22.7	24.1	24.4	21.2	22.6	21.5	23.0	23.3
3H	24.4	25.8	24.8	26.1	26.5	22.7	24.0	23.1	24.4	24.7
4H	25.4	26.7	25.8	27.1	27.5	23.3	24.5	23.7	24.9	25.3
6H	26.4	27.6	26.9	28.0	28.4	23.6	24.8	24.1	25.2	25.6
8H	26.9	28.1	27.4	28.5	28.9	23.7	24.9	24.1	25.3	25.7
12H	27.5	28.6	27.9	29.0	29.4	23.7	24.9	24.2	25.3	25.7
4H 2H	22.9	24.2	23.3	24.6	25.0	22.1	23.4	22.5	23.7	24.1
3H	25.2	26.4	25.7	26.8	27.2	23.8	25.0	24.3	25.4	25.8
4H	26.4	27.5	26.9	27.9	28.4	24.6	25.6	25.1	26.0	26.5
6H	27.6	28.5	28.1	29.0	29.5	25.1	26.0	25.6	26.5	27.0
8H	28.2	29.1	28.7	29.6	30.1	25.3	26.1	25.8	26.6	27.1
12H	28.9	29.7	29.4	30.1	30.7	25.3	26.1	25.9	26.6	27.2
8H 4H	26.7	27.6	27.3	28.1	28.6	25.2	26.1	25.7	26.5	27.1
6H	28.2	28.9	28.7	29.4	30.0	26.0	26.7	26.5	27.2	27.8
8H	29.0	29.6	29.5	30.1	30.7	26.3	26.9	26.9	27.5	28.1
12H	29.8	30.4	30.4	30.9	31.5	26.5	27.0	27.1	27.6	28.2
12H 4H	26.8	27.6	27.3	28.1	28.6	25.3	26.1	25.9	26.6	27.2
6H	28.3	28.9	28.8	29.4	30.0	26.3	26.9	26.8	27.4	28.0
8H	29.1	29.7	29.7	30.2	30.8	26.7	27.2	27.2	27.8	28.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 4027 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

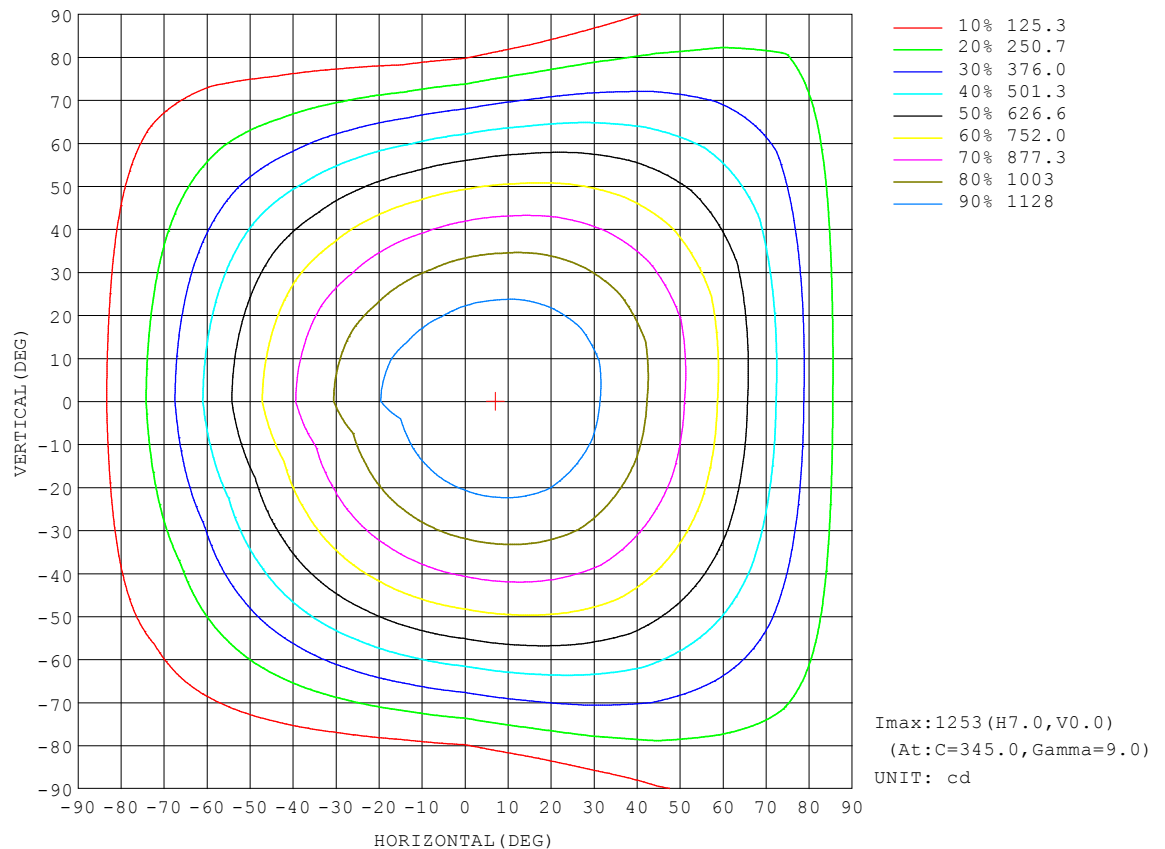
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	44	36
1.00	72	61	53	71	60	52	68	61	52	44
1.25	79	68	60	77	67	60	74	65	59	51
1.50	84	74	66	82	73	65	79	70	64	55
2.00	91	82	75	89	80	74	85	78	72	63
2.50	95	87	80	93	85	79	88	82	77	67
3.00	99	91	85	96	89	84	91	86	81	71
4.00	103	97	91	100	94	90	95	90	86	75
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2014-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 65.0%
Test Distance: 10.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

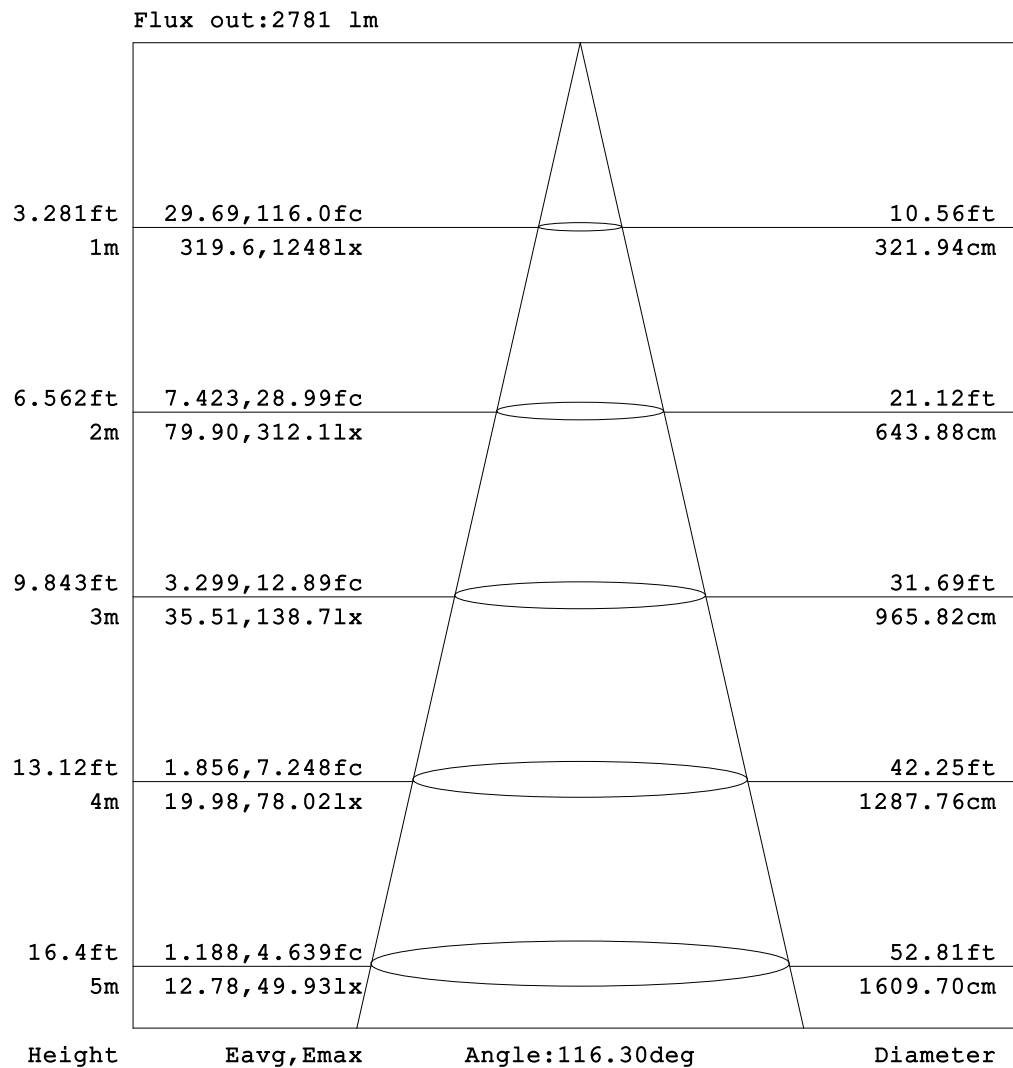


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



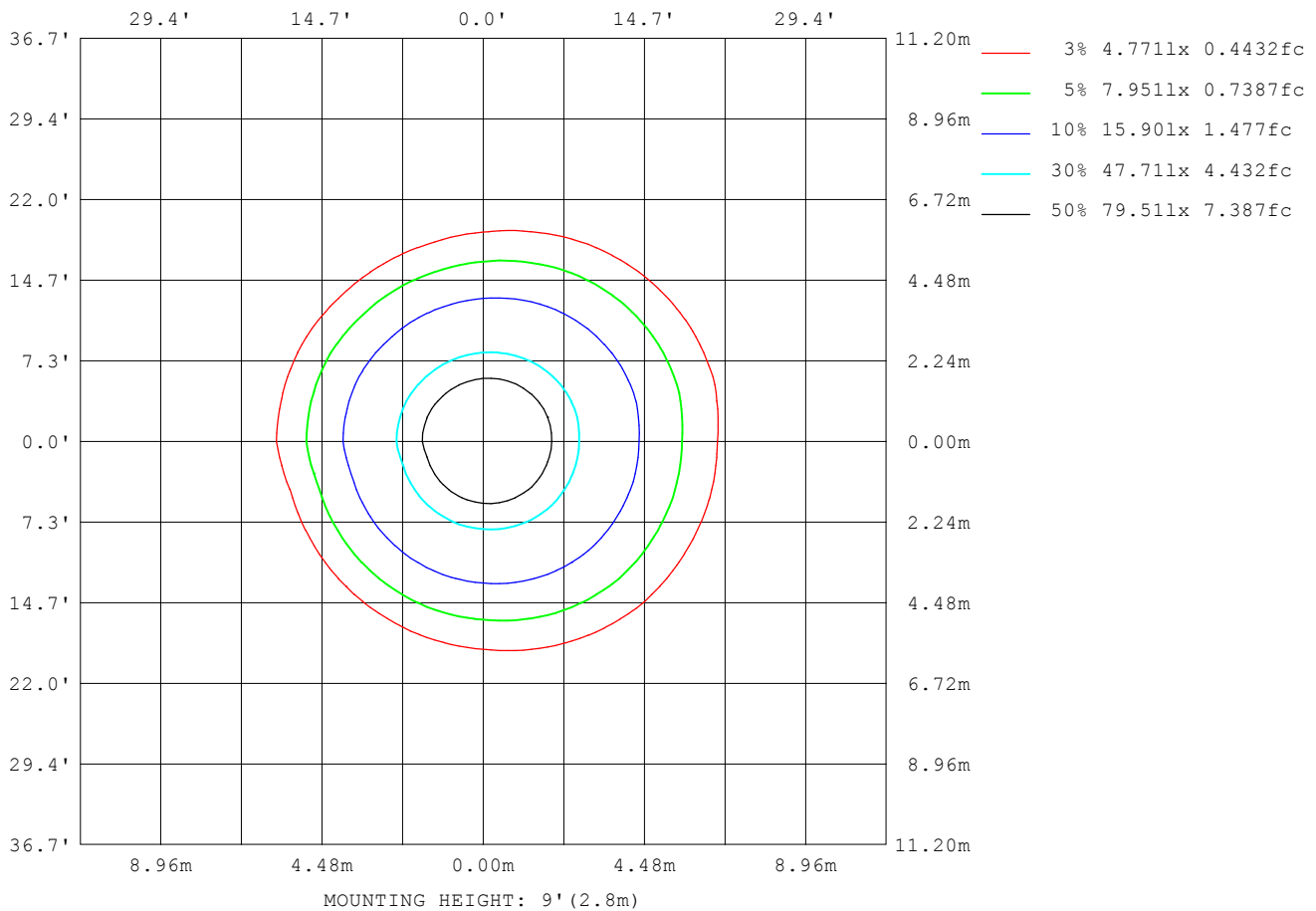
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

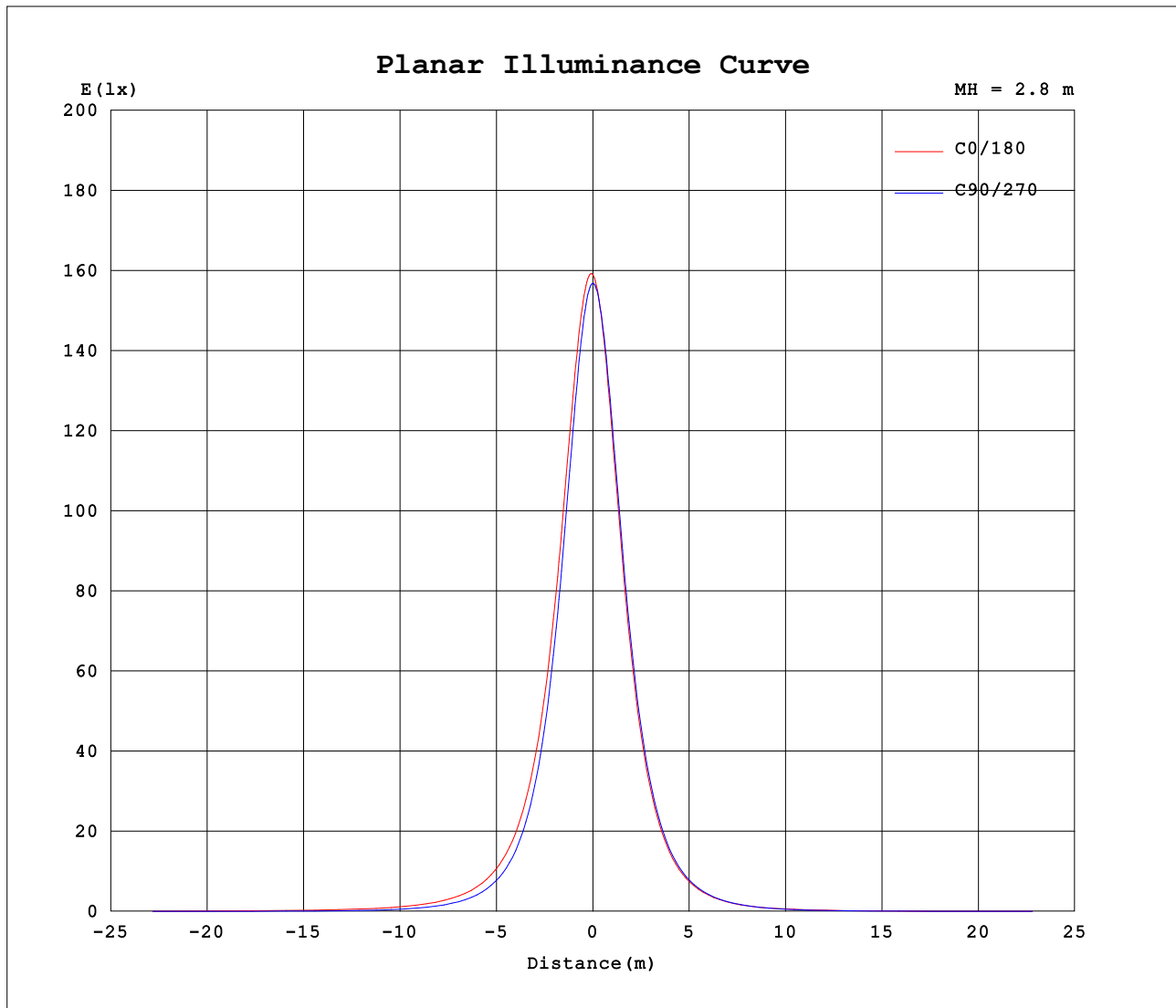
Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2014-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 65.0%
Test Distance: 10.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION 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	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233	1233
5	1239	1239	1237	1236	1232	1229	1225	1221	1217	1214	1213	1211	1216	1217	1219	1219	1221	1224	1229
10	1236	1235	1232	1228	1222	1215	1205	1198	1191	1185	1182	1180	1191	1192	1194	1194	1199	1205	1213
15	1224	1222	1217	1211	1201	1190	1177	1165	1155	1147	1142	1140	1156	1157	1160	1160	1166	1175	1187
20	1202	1199	1191	1184	1170	1154	1137	1122	1109	1099	1093	1091	1112	1113	1117	1115	1123	1134	1150
25	1170	1166	1156	1148	1129	1109	1088	1070	1054	1043	1036	1034	1059	1060	1064	1062	1071	1084	1103
30	1128	1124	1113	1102	1080	1055	1029	1010	992	980	971	969	998	1000	1004	1001	1010	1024	1047
35	1078	1074	1060	1048	1022	993	963	941	922	909	900	898	932	933	936	932	942	957	982
40	1020	1015	1000	985	956	923	890	867	846	832	823	822	858	858	862	856	867	881	909
45	955	949	932	916	883	847	810	784	763	749	740	739	779	779	781	774	783	798	828
50	883	876	858	841	804	764	723	697	675	662	653	652	695	694	695	686	695	709	740
55	805	798	778	759	719	675	631	604	582	569	561	561	606	605	604	594	600	614	646
60	721	714	692	672	630	581	534	507	486	474	466	467	514	512	510	497	502	514	547
65	632	625	602	580	534	483	433	406	387	375	370	370	421	416	413	397	398	409	442
70	539	532	509	485	437	380	328	302	287	279	275	277	324	321	315	298	296	303	333
75	444	437	413	386	337	278	223	201	190	187	187	191	234	229	221	202	196	197	224
80	348	340	317	289	239	178	122	108	106	111	120	129	158	152	142	120	108	99.8	120
85	256	248	225	197	147	89.0	38.8	39.7	53.9	72.0	87.3	98.3	113	108	95.2	73.4	51.8	32.5	35.6
90	177	170	147	120	75.3	28.4	1.86	18.2	40.6	61.4	78.1	89.2	96.5	91.9	79.9	60.9	38.6	15.1	2.63
95	129	122	102	76.1	37.8	11.5	1.96	14.7	35.9	56.1	72.4	83.3	90.6	86.1	74.4	55.9	34.2	12.4	3.04
100	108	102	84.7	50.6	31.0	10.6	2.40	12.6	32.0	51.3	67.1	77.6	84.9	80.5	69.2	51.3	30.7	10.9	3.75
105	98.7	92.8	71.1	49.0	28.2	13.1	2.93	11.3	28.8	46.9	61.8	71.8	79.2	75.0	64.2	47.1	27.9	10.2	4.56
110	92.1	85.6	62.2	39.7	27.3	12.3	3.50	10.5	26.1	42.7	56.8	66.2	73.4	69.5	59.2	43.3	25.7	9.27	5.36
115	84.6	76.1	53.6	40.4	26.0	11.9	4.12	9.88	23.8	38.9	51.9	60.6	67.6	64.0	54.5	39.8	23.7	9.18	6.19
120	78.0	60.0	48.1	35.8	24.4	11.8	4.80	9.45	21.8	35.4	47.1	55.1	61.9	58.6	49.9	36.5	22.0	9.34	7.03
125	71.0	58.4	41.2	33.2	22.5	11.7	5.50	9.13	19.9	32.1	42.6	49.8	56.3	53.2	45.4	33.3	20.2	9.30	7.86
130	63.6	52.2	38.6	31.1	20.6	11.7	6.25	8.90	18.2	29.0	38.2	44.6	50.7	47.9	41.0	30.3	18.7	9.27	8.65
135	54.1	45.3	34.7	28.0	19.1	11.5	7.05	8.86	16.7	25.9	34.0	39.5	45.2	42.7	36.7	27.3	17.2	9.24	9.41
140	41.7	39.3	31.1	24.9	17.9	11.7	7.99	8.74	15.2	23.0	29.7	34.4	39.8	37.5	32.5	24.3	15.8	9.43	10.1
145	34.9	36.4	27.7	22.5	17.6	12.7	8.97	8.92	13.8	20.1	25.7	29.5	34.4	32.6	28.4	21.5	14.4	9.72	10.9
150	34.0	28.8	24.6	20.6	17.6	13.4	9.99	9.28	12.7	17.5	21.9	25.0	29.3	27.8	24.4	18.8	13.2	9.96	11.6
155	29.1	24.7	21.6	20.1	16.7	13.9	10.9	9.65	11.6	15.1	18.3	20.6	24.5	23.2	20.6	16.2	12.0	10.5	12.2
160	26.0	20.7	18.8	18.9	16.6	14.1	11.7	10.4	11.0	13.0	15.2	16.7	19.9	18.9	17.1	13.9	11.3	11.0	12.7
165	21.5	17.0	17.1	17.6	16.0	14.3	12.4	11.1	10.7	11.6	12.6	13.4	15.9	15.2	13.9	12.1	10.7	11.6	13.1
170	17.4	14.9	15.7	15.7	14.9	14.2	12.9	11.8	11.3	11.0	11.2	11.5	12.7	12.2	11.8	11.0	11.1	12.2	13.4
175	13.9	12.6	13.5	14.0	13.9	13.9	13.3	12.8	12.3	12.0	11.7	11.5	11.0	10.8	10.9	11.4	11.9	12.8	13.6
180	11.5	11.7	11.9	12.4	12.9	13.6	13.7	13.8	13.8	13.8	13.6	12.9	11.5	11.7	11.9	12.5	12.9	13.6	13.7

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.1819A P:39.81W PF:0.9502 Lamp Flux:4026.66x1 lm		
NAME: TP-M2-040-NW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1233	1233	1233	1233	1233														
5	1233	1238	1240	1244	1244														
10	1223	1231	1238	1244	1246														
15	1200	1214	1225	1235	1239														
20	1168	1187	1203	1217	1221														
25	1125	1149	1170	1188	1194														
30	1073	1103	1128	1149	1157														
35	1011	1047	1077	1102	1111														
40	942	983	1017	1045	1056														
45	866	911	950	981	994														
50	782	832	875	909	924														
55	692	747	794	832	848														
60	597	656	708	748	766														
65	496	560	615	658	679														
70	392	461	519	565	586														
75	286	357	420	468	491														
80	183	256	320	369	394														
85	92.7	162	225	273	299														
90	33.2	87.4	142	187	212														
95	22.3	53.0	91.7	127	148														
100	19.8	44.2	72.1	98.9	114														
105	19.2	39.0	65.6	88.0	103														
110	18.9	39.7	59.3	80.1	96.6														
115	18.0	36.3	52.6	75.4	87.9														
120	17.2	33.8	52.1	68.5	79.8														
125	16.9	30.8	45.5	62.2	71.7														
130	16.6	28.3	41.3	51.9	66.0														
135	15.8	26.2	37.6	47.8	60.3														
140	15.4	24.4	33.7	43.8	53.6														
145	15.4	22.7	30.1	38.4	46.0														
150	15.5	21.0	26.9	33.3	40.3														
155	15.4	19.3	23.9	28.7	32.4														
160	15.5	18.6	21.7	24.4	28.2														
165	15.3	17.4	19.1	20.7	23.2														
170	14.9	16.4	17.3	18.2	18.8														
175	14.4	15.2	15.7	14.6	15.2														
180	13.8	13.8	13.8	13.6	12.9														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2014-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks: