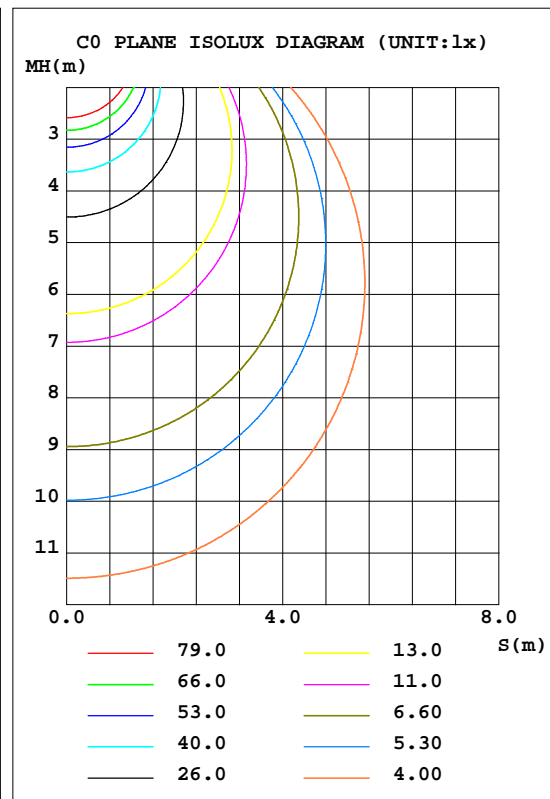
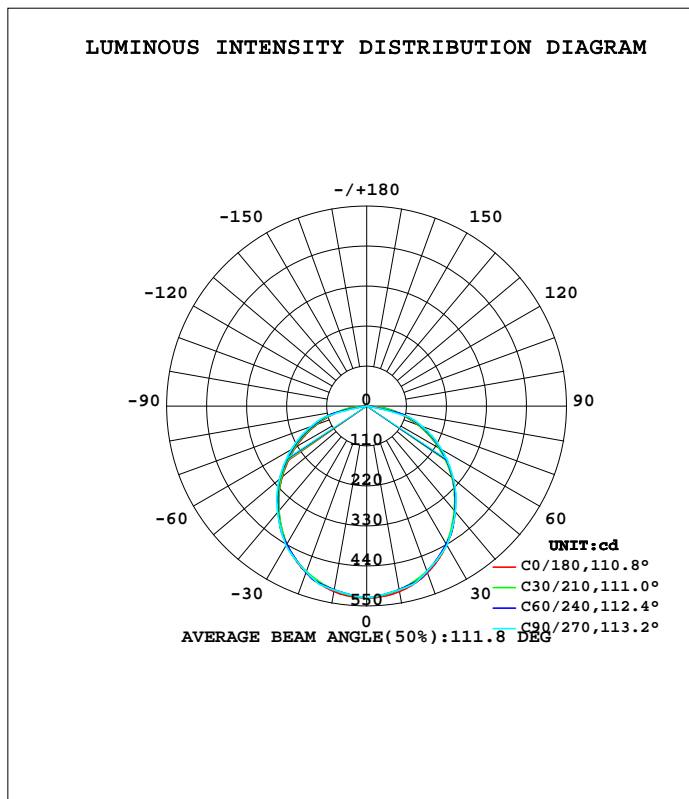


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.85 lm/W			
MODEL	YYR18W4K	I _{max} (cd)	527.9	S/MH(C0/180)	1.24
NOMINAL POWER(W)	18	LOR(%)	99.2	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1488.1	η UP, DN(C0-180)	0.0, 49.5
NOMINAL FLUX(lm)	1500	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.8	η down(%)	99.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FHX
 Test Date: 2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 14.690m [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	525.5	521.5	520.6	521.3	525.2	521.6	521.0	521.8	0- 5	12.53	12.53	0.84,0.84
10	518.4	512.5	513.2	512.6	518.0	513.2	514.1	513.0	5- 10	37.04	49.58	3.33,3.31
15	505.8	501.0	505.9	501.2	505.3	502.1	507.1	501.7	10- 15	60.31	109.9	7.38,7.33
20	488.4	487.1	484.6	487.7	487.7	489.0	486.0	488.2	15- 20	81.49	191.4	12.9,12.8
25	466.4	463.1	463.3	463.4	465.3	464.8	464.9	464.1	20- 25	99.49	290.9	19.5,19.4
30	440.4	436.2	441.9	436.1	439.1	437.7	443.8	437.3	25- 30	114.1	405.0	27.2,27
35	410.8	408.6	410.7	407.7	409.2	409.7	412.6	409.8	30- 35	124.9	529.9	35.6,35.3
40	378.6	379.2	379.4	377.6	376.3	379.8	381.5	380.6	35- 40	131.3	661.2	44.4,44.1
45	343.8	342.9	348.1	341.5	341.0	344.0	350.3	344.3	40- 45	133.5	794.7	53.4,53
50	307.3	307.0	311.5	305.7	303.7	308.3	313.5	308.1	45- 50	131.7	926.5	62.3,61.8
55	269.0	271.2	274.9	270.2	265.2	273.1	276.7	272.3	50- 55	125.7	1052	70.7,70.1
60	229.5	231.8	238.4	230.0	225.5	232.7	239.8	232.5	55- 60	116.2	1168	78.5,77.9
65	189.5	193.6	200.2	190.5	185.0	193.1	201.2	194.0	60- 65	103.4	1272	85.5,84.8
70	149.0	155.1	162.1	151.5	144.4	153.3	162.5	154.9	65- 70	87.81	1360	91.4,90.6
75	109.1	116.1	124.0	112.5	104.1	113.0	123.8	115.1	70- 75	70.11	1430	96.1,95.3
80	70.43	66.66	0	63.82	65.27	63.23	0	65.23	75- 80	44.52	1474	99.1,98.3
85	28.83	0	0	0	20.95	0	0	0	80- 85	12.70	1487	99.9,99.1
90	0.9637	0	0	0	0.4311	0	0	0	85- 90	1.221	1488	100,99.2
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			

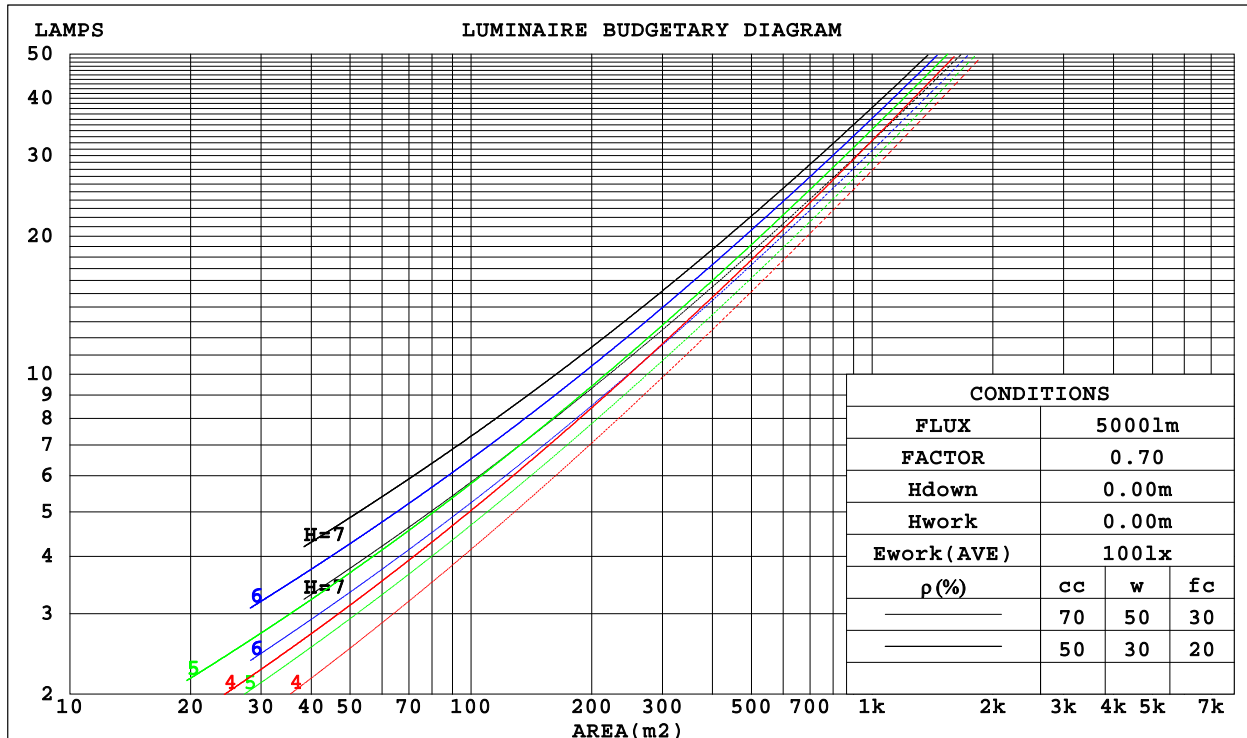
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	.302	.172	.054	.295	.168	.053	.282	.162	.052	.270	.156	.050	.259	.150	.048	
2.0	.288	.158	.048	.282	.155	.048	.271	.150	.047	.260	.146	.046	.250	.141	.045	
3.0	.268	.143	.043	.262	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.247	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.216	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021	

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	.189	.189	.189	.162	.162	.162	.110	.110	.110	.063	.063	.063	.020	.020	.020	
1.0	.179	.155	.134	.153	.133	.115	.104	.091	.080	.060	.053	.046	.019	.017	.015	
2.0	.171	.131	.097	.146	.113	.084	.100	.078	.059	.058	.045	.034	.019	.015	.011	
3.0	.163	.113	.074	.140	.098	.064	.096	.068	.045	.055	.040	.026	.018	.013	.009	
4.0	.156	.100	.058	.134	.087	.050	.092	.060	.035	.053	.035	.021	.017	.012	.007	
5.0	.148	.090	.047	.127	.078	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.039	.121	.071	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005	
7.0	.134	.075	.033	.116	.065	.029	.080	.045	.020	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.028	.110	.060	.025	.076	.042	.018	.044	.025	.010	.014	.008	.003	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.015	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.022	.100	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm										
NAME: YR18W4K					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: JNC					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	18.2	19.7	18.5	19.9	20.2	18.4	19.9	18.7	20.1	20.4
3H	19.8	21.2	20.1	21.5	21.7	20.2	21.6	20.5	21.8	22.1
4H	20.5	21.9	20.8	22.1	22.4	21.0	22.3	21.3	22.6	22.8
6H	21.1	22.3	21.4	22.6	22.9	21.1	22.3	21.4	22.6	22.9
8H	21.2	22.5	21.6	22.7	23.0	21.0	22.2	21.4	22.5	22.8
12H	21.3	22.5	21.7	22.8	23.1	21.0	22.1	21.3	22.4	22.7
4H 2H	18.9	20.2	19.2	20.5	20.7	19.1	20.4	19.4	20.6	20.9
3H	20.7	21.9	21.1	22.2	22.5	21.0	22.2	21.4	22.5	22.8
4H	21.5	22.6	21.9	22.9	23.3	21.9	23.0	22.3	23.3	23.7
6H	22.2	23.2	22.6	23.5	23.9	22.1	23.1	22.5	23.4	23.8
8H	22.5	23.3	22.9	23.7	24.1	22.1	22.9	22.5	23.3	23.7
12H	22.6	23.4	23.0	23.8	24.2	22.0	22.8	22.4	23.2	23.6
8H 4H	21.9	22.8	22.3	23.2	23.6	22.3	23.1	22.7	23.5	23.9
6H	22.8	23.5	23.2	23.9	24.3	22.5	23.2	22.9	23.6	24.0
8H	23.1	23.8	23.6	24.2	24.7	22.4	23.1	22.9	23.5	24.0
12H	23.4	23.9	23.8	24.4	24.8	22.4	23.0	22.9	23.4	23.9
12H 4H	21.9	22.7	22.3	23.1	23.5	22.3	23.1	22.7	23.5	23.9
6H	22.8	23.4	23.2	23.9	24.3	22.5	23.2	23.0	23.6	24.0
8H	23.1	23.7	23.6	24.2	24.6	22.5	23.0	23.0	23.5	24.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 1500 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	SUR.:	PROTECTION ANGLE:

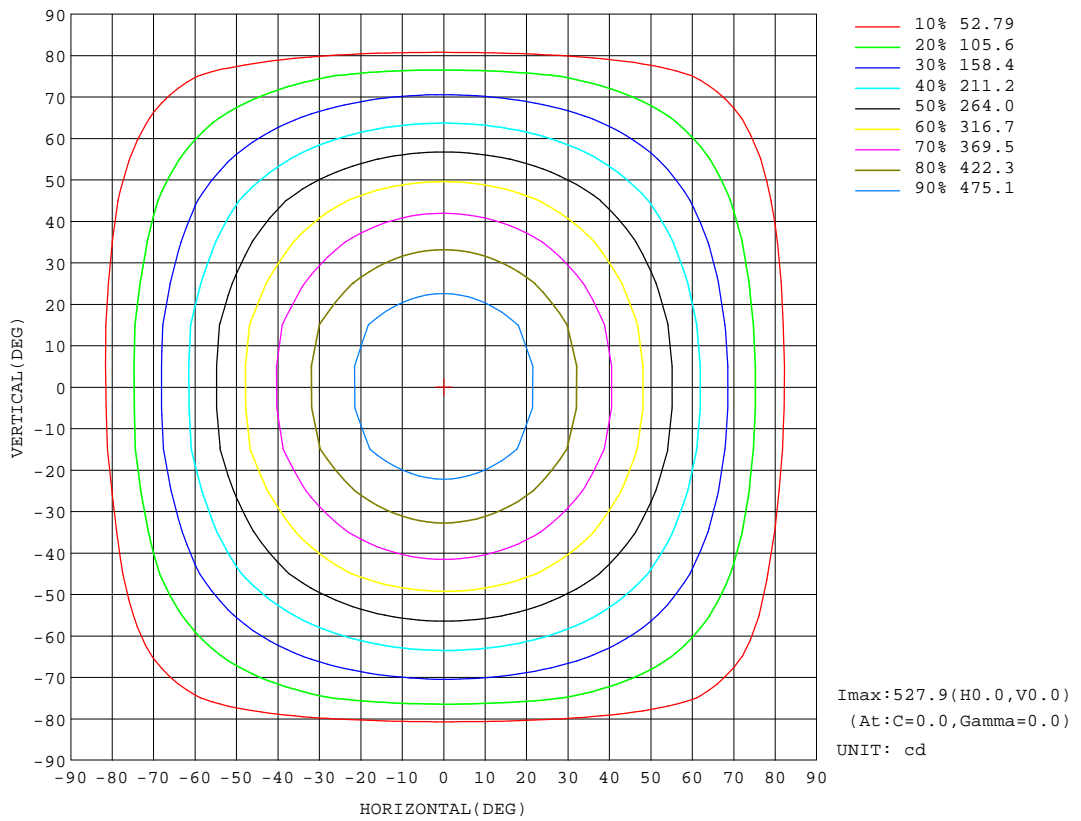
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	48	41
1.00	75	64	57	74	64	57	72	65	56	49
1.25	82	72	65	81	71	64	78	70	64	56
1.50	87	78	71	86	77	70	83	75	69	62
2.00	94	86	79	92	85	79	89	82	77	69
2.50	98	90	85	96	89	84	92	86	82	74
3.00	102	95	89	99	93	88	95	90	86	78
4.00	106	100	95	103	98	94	99	95	91	83
5.00	108	103	99	106	101	98	101	98	95	86
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:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	SUR.:	PROTECTION ANGLE:



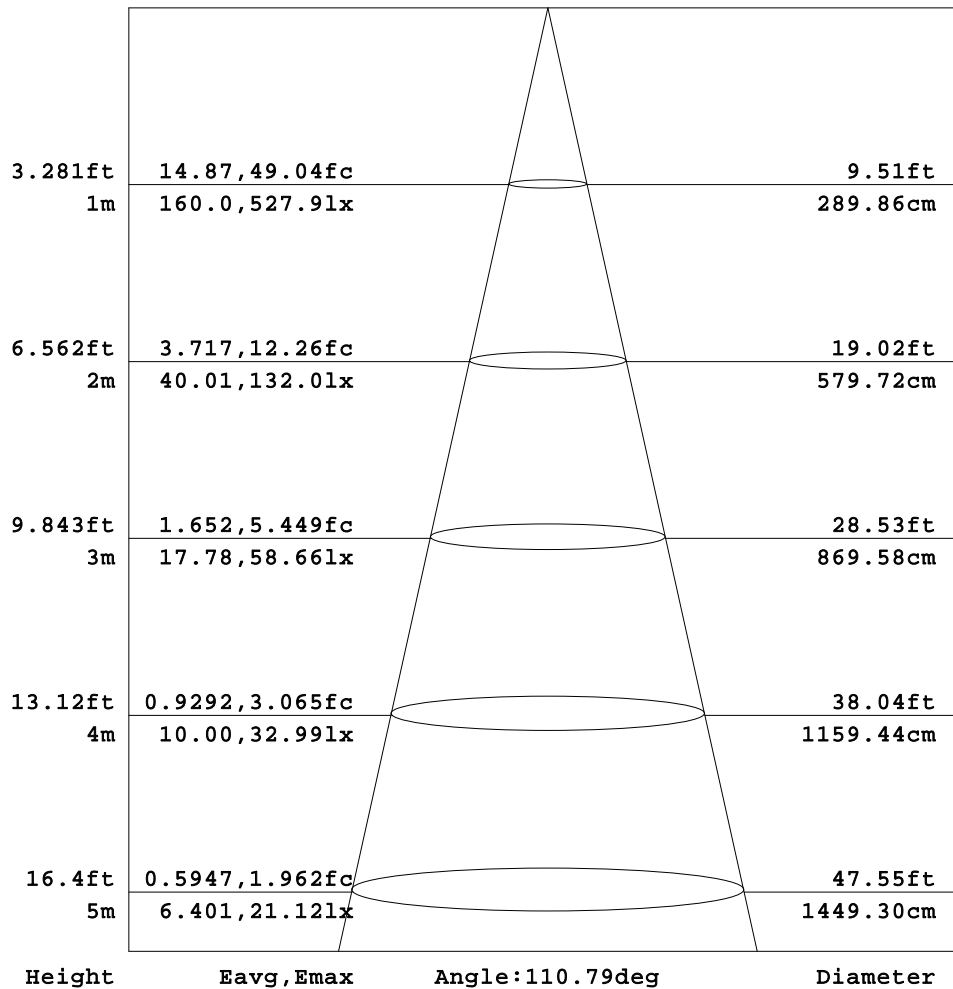
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	SUR.:	PROTECTION ANGLE:

Flux out:1064 lm



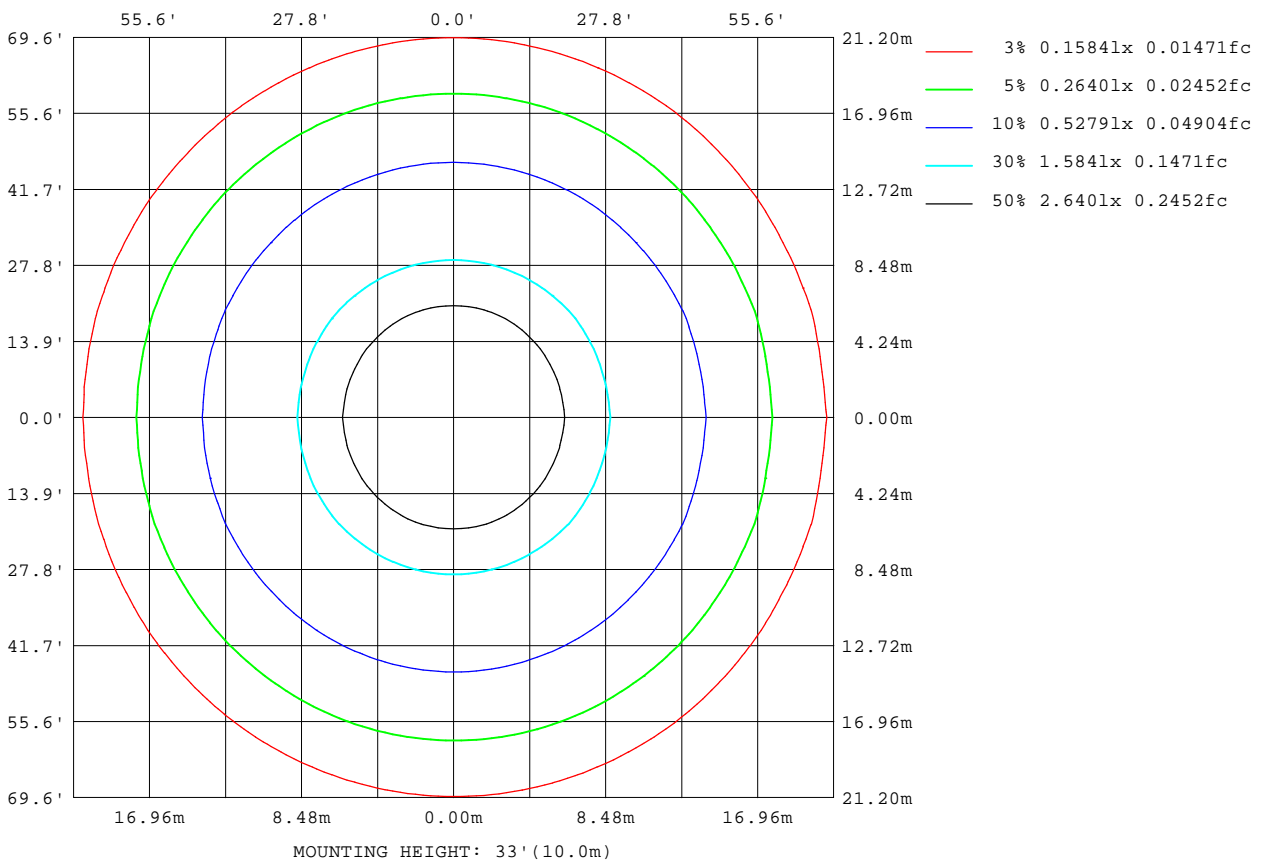
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FHX
 Test Date: 2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 14.690m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

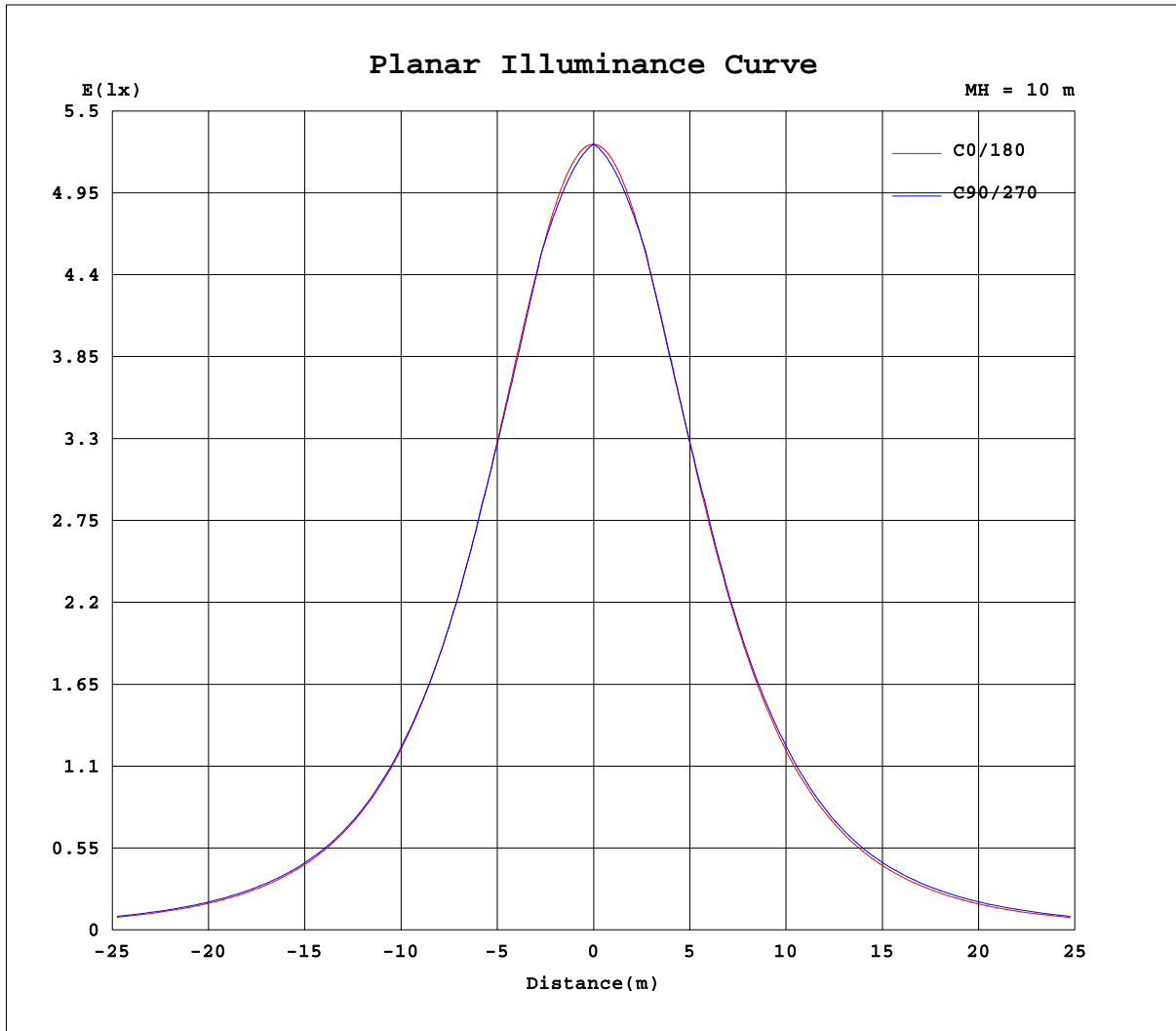
Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FHX
 Test Date: 2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 14.690m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: FHX
 Test Date: 2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 14.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528
5	526	525	524	524	523	523	522	522	522	521	521	521	521	521	521	521	521	521	521
10	518	517	516	515	514	514	513	513	513	513	513	513	513	513	513	513	513	513	513
15	506	504	503	501	501	500	500	500	500	501	502	502	503	504	504	505	505	506	506
20	488	486	484	483	483	483	483	484	485	487	487	486	486	485	485	485	485	485	485
25	466	464	462	461	461	462	463	465	464	463	462	462	462	463	463	463	463	463	463
30	440	437	436	435	436	438	438	437	436	436	437	437	438	439	440	441	441	442	442
35	411	407	406	406	408	409	407	407	407	409	410	412	412	411	411	411	411	411	411
40	379	375	374	375	376	375	375	376	378	379	378	378	378	378	378	379	379	379	379
45	344	340	340	342	341	340	342	345	344	343	343	344	344	345	346	347	348	348	348
50	307	304	304	305	304	306	308	306	306	307	308	309	310	310	311	311	311	312	312
55	269	266	267	266	267	269	268	268	269	271	271	272	272	273	274	274	275	275	275
60	229	227	228	227	230	229	229	231	231	232	233	234	235	236	237	237	238	238	238
65	190	187	187	189	189	189	190	191	192	194	195	196	197	198	199	199	200	200	200
70	149	147	148	148	149	150	151	153	154	155	156	157	158	159	160	161	162	162	162
75	109	107	109	109	110	111	113	114	115	116	117	119	120	121	122	123	124	124	124
80	70.4	68.6	69.2	70.8	72.0	72.8	74.0	75.3	76.6	66.7	53.9	42.2	31.6	22.3	14.4	8.21	3.68	0.92	0.00
85	28.8	23.0	29.2	33.6	31.8	15.6	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	0.96	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: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528
5	521	520	521	521	521	521	521	521	521	522	522	522	523	523	524	524	525	525	525
10	513	513	513	513	513	513	513	513	513	513	513	513	514	514	515	516	517	518	517
15	506	506	505	505	504	503	503	502	501	501	500	500	500	501	501	502	504	505	504
20	485	485	485	485	485	486	487	488	488	486	485	484	483	483	483	484	486	488	486
25	463	463	463	462	462	462	462	463	463	465	466	464	462	461	461	461	463	465	463
30	442	441	440	440	439	438	437	436	436	436	437	439	438	436	435	435	436	439	437
35	410	410	410	410	410	411	411	409	408	407	406	407	409	408	406	405	406	409	407
40	379	379	378	378	378	377	377	377	378	376	375	374	374	377	375	373	373	376	374
45	348	347	347	346	345	344	343	342	342	342	342	340	339	340	342	339	338	341	339
50	311	311	311	310	310	310	309	307	306	305	304	305	303	302	304	303	301	304	302
55	275	274	273	273	272	271	271	270	270	268	266	265	266	264	264	266	263	265	264
60	238	237	236	235	234	233	232	231	230	229	229	227	225	226	224	226	224	225	225
65	200	199	198	197	196	195	194	192	191	189	188	188	187	185	185	184	185	185	185
70	162	161	160	159	157	156	155	153	151	150	148	147	146	146	144	144	145	144	146
75	124	123	122	121	119	118	116	114	112	111	109	108	106	105	105	104	104	104	105
80	0.92	3.66	8.13	14.3	21.9	30.9	41.0	52.1	63.8	72.8	71.1	69.4	68.0	66.8	65.6	64.0	62.2	65.3	66.0
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	14.1	28.1	28.5	23.5	19.0	20.9	28.1
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	0.43	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528
5	524	524	523	523	522	522	522	522	521	521	521	521	521	521	521	521	521	521	521
10	516	515	514	514	514	513	513	513	513	513	513	514	514	514	514	514	514	514	514
15	502	502	501	501	501	501	502	502	503	504	504	505	506	506	507	507	507	507	507
20	484	484	483	484	484	486	487	489	489	488	487	487	486	486	486	486	486	486	486
25	462	461	462	463	465	468	466	465	464	464	464	464	464	464	465	465	465	465	465
30	435	436	437	440	440	439	438	438	438	439	440	441	442	442	443	444	444	444	443
35	406	407	410	410	409	408	409	410	411	413	413	413	412	412	413	413	413	413	412
40	374	376	378	376	376	377	378	380	379	379	379	380	380	381	381	381	381	381	381
45	340	343	341	341	342	344	344	344	344	345	346	347	348	349	350	350	350	350	349
50	304	305	304	305	307	306	307	308	310	312	312	312	313	313	313	313	313	313	313
55	267	266	266	268	268	269	271	273	273	273	274	274	275	276	276	277	277	276	276
60	227	226	228	228	229	232	232	233	234	234	236	237	238	238	239	240	240	240	239
65	186	187	187	189	191	191	192	193	195	196	197	198	199	200	200	201	201	201	201
70	145	146	148	149	149	151	152	153	155	156	157	158	160	161	162	162	162	162	162
75	105	107	108	109	110	111	112	113	115	116	118	119	121	122	123	124	124	124	123
80	67.9	67.7	68.8	69.8	71.0	72.1	72.1	63.2	51.7	40.8	30.8	21.9	14.3	8.17	3.67	0.92	0.00	0.92	3.66
85	29.1	30.7	29.3	14.6	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: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0778A P:16.03W PF:0.8932 Lamp Flux:1500x1 lm		
NAME: YYR18W4K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: JNC	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	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528				
5	521	521	521	521	521	522	522	522	522	523	523	523	524	524	525				
10	514	514	513	513	513	513	513	513	513	514	514	514	515	516	517				
15	506	505	505	504	503	502	502	501	501	501	501	501	502	503	504				
20	486	486	486	487	487	488	488	486	485	484	483	483	484	485	486				
25	464	464	464	463	464	463	464	465	466	464	462	461	461	462	464				
30	443	442	441	440	439	438	437	437	438	439	438	437	435	436	437				
35	412	412	413	413	413	412	410	409	408	408	409	409	407	406	408				
40	381	380	380	379	379	380	381	379	377	376	376	377	376	374	375				
45	349	348	347	346	345	344	344	345	346	343	341	341	343	340	340				
50	313	312	312	312	311	309	308	307	307	309	306	305	305	304	304				
55	276	275	274	274	273	272	272	270	269	269	270	268	266	267	266				
60	239	238	237	236	235	234	233	232	232	230	229	231	228	228	227				
65	200	199	198	198	197	195	194	192	191	191	190	189	190	187	187				
70	161	160	159	158	157	156	155	154	152	151	150	149	149	148	147				
75	122	121	120	119	118	116	115	114	113	112	111	109	109	109	107				
80	8.15	14.3	22.0	31.2	41.6	53.0	65.2	74.9	73.7	72.7	71.8	71.4	70.3	69.6	69.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.1	30.9	33.2	32.7	31.0				
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: HIGH
 Temperature:25.3DEG
 Operators:FHX
 Test Date:2015-09-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:14.690m [K=1.0000]
 Remarks: