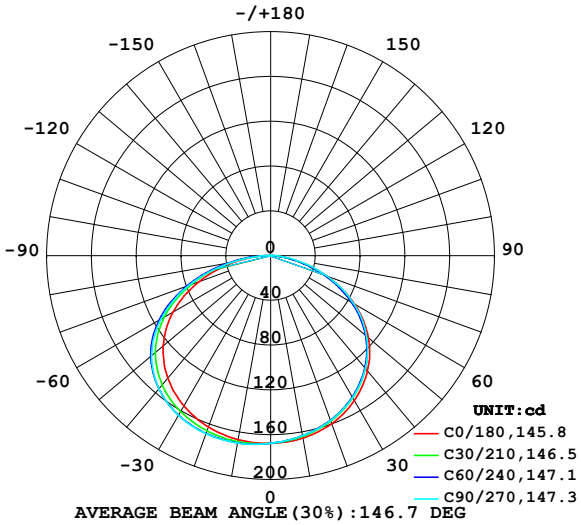
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

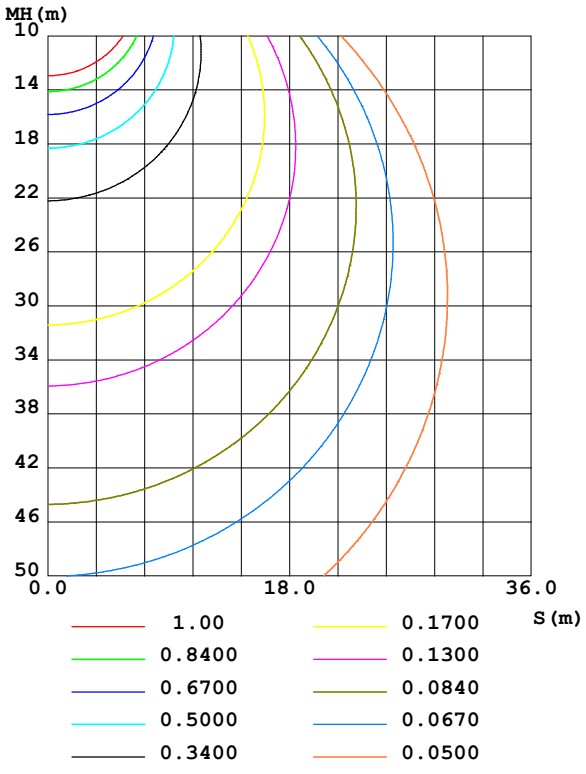
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 44.25 lm/W	
MODEL	HCP-3426350	Imax(cd)	170.0	S/MH(C0/180)	1.38
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.46
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	576.38	η UP,DN(C0-180)	0.1,46.1
NOMINAL FLUX(lm)	576.382	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,53.7
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	99.8	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(30%):146.7 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [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	165.5	163.7	163.3	164.6	166.9	169.3	170.0	168.2	0- 10	15.95	15.95	2.77,2.77
20	159.7	156.9	156.7	159.1	162.9	167.7	169.2	165.6	10- 20	46.60	62.54	10.9,10.9
30	149.5	146.2	146.3	150.4	155.0	162.7	164.7	159.2	20- 30	73.32	135.9	23.6,23.6
40	134.5	131.2	131.6	137.6	142.9	153.0	155.2	148.0	30- 40	93.20	229.1	39.7,39.7
50	114.0	110.9	111.8	119.5	125.4	137.2	138.8	130.5	40- 50	103.2	332.2	57.6,57.6
60	86.62	83.83	85.64	94.49	100.5	112.3	113.0	103.7	50- 60	99.85	432.1	75,75
70	53.43	50.92	53.58	61.88	68.03	77.74	77.64	68.11	60- 70	80.72	512.8	89,89
80	19.90	18.50	21.21	27.02	31.98	37.58	35.89	28.89	70- 80	48.38	561.2	97.4,97.4
90	0.5809	0.4288	0.3444	2.303	3.658	3.463	0.0626	0.8489	80- 90	14.02	575.2	99.8,99.8
100	0.0669	0.0816	0.0962	0.0700	0.0583	0.0539	0.0408	0.0656	90-100	0.3055	575.5	99.8,99.8
110	0.0844	0.1165	0.1399	0.1117	0.1019	0.0830	0.0728	0.0947	100-110	0.0865	575.6	99.9,99.9
120	0.1309	0.1602	0.1778	0.1515	0.1368	0.1253	0.1160	0.1297	110-120	0.1194	575.7	99.9,99.9
130	0.1680	0.1923	0.2157	0.1909	0.1834	0.1700	0.1573	0.1753	120-130	0.1436	575.9	99.9,99.9
140	0.2112	0.2273	0.2507	0.2259	0.2242	0.2056	0.2068	0.2128	130-140	0.1553	576.0	99.9,99.9
150	0.2357	0.2593	0.2769	0.2580	0.2590	0.2346	0.2215	0.2405	140-150	0.1466	576.2	100,100
160	0.2677	0.2775	0.2973	0.2784	0.2881	0.2680	0.2531	0.2690	150-160	0.1211	576.3	100,100
170	0.3006	0.3022	0.3062	0.3026	0.3022	0.2855	0.2693	0.2900	160-170	0.0805	576.4	100,100
180	0.3056	0.3059	0.3089	0.3061	0.3056	0.3074	0.3031	0.3075	170-180	0.0286	576.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:432.08 %lum: 75.0%
0 - 60 DEG Zonal Flux:432.08 %lum: 75.0%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 12.6%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 18.8%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

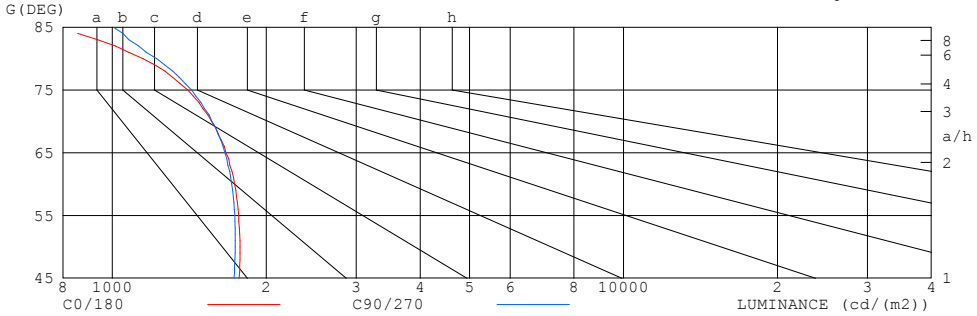
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: HCP-3426350 12W RGB	**TYPE: 2835 RGB**	**WEIGHT:**
SPEC.:	**DIM.: 1* 0.01**	**SERIAL No.:**
MFR.: HAVIT COMMERCIAL	**SUR.:**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	763	1005
80	1147	1221
75	1404	1428
70	1564	1566
65	1669	1660
60	1734	1712
55	1767	1736
50	1776	1739
45	1771	1729

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

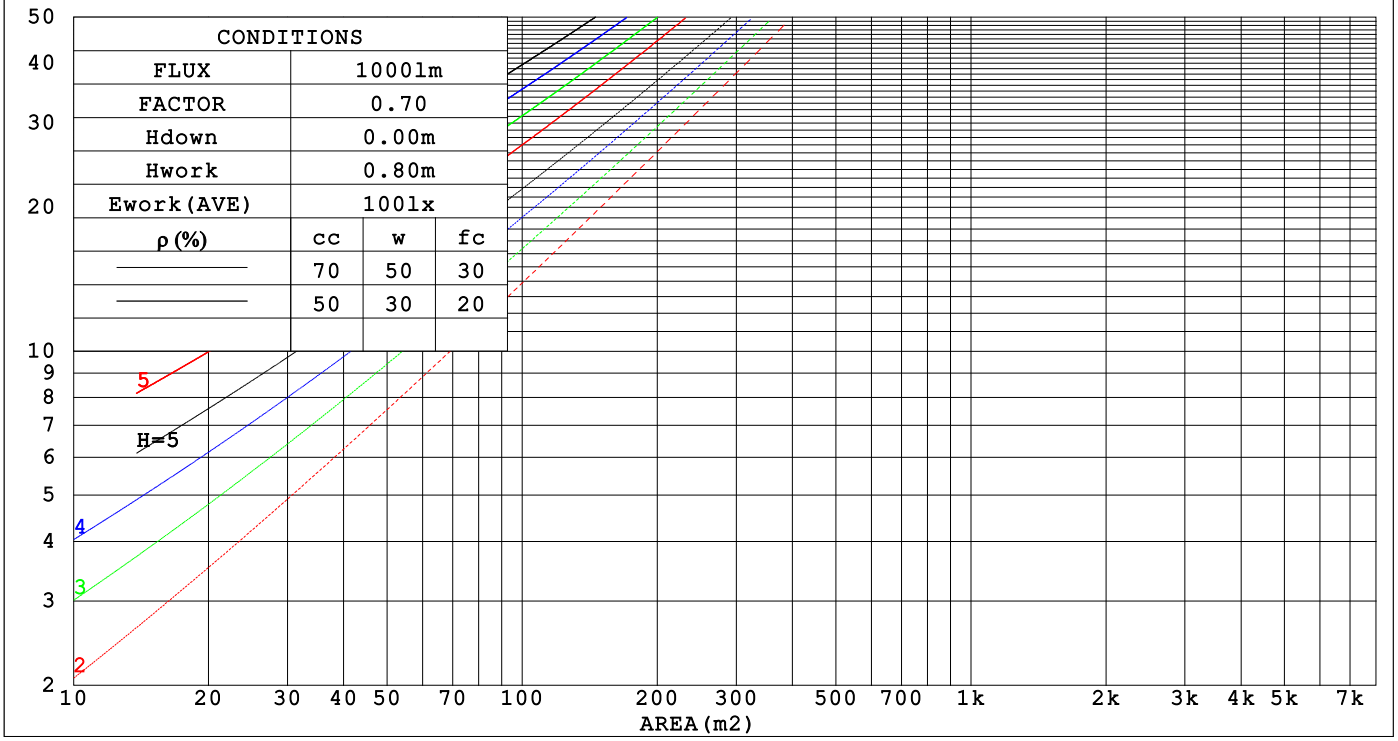
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding 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	1.19	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	1.03	.98	.94	1.00	.96	.92	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.81	.75	.87	.80	.74	.83	.77	.73	.80	.75	.71	.77	.73	.69	.67
3.0	.77	.69	.62	.76	.68	.61	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4.0	.68	.59	.52	.67	.58	.51	.64	.56	.50	.62	.55	.50	.59	.54	.49	.47
5.0	.60	.51	.44	.59	.50	.44	.57	.49	.43	.55	.48	.43	.53	.47	.42	.40
6.0	.54	.45	.38	.53	.44	.38	.51	.43	.37	.49	.42	.37	.48	.42	.37	.35
7.0	.49	.40	.33	.48	.39	.33	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.44	.36	.29	.44	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.41	.32	.26	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.24
10.0	.37	.29	.24	.37	.29	.24	.36	.29	.24	.35	.28	.23	.34	.28	.23	.22

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding 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	.330	.188	.059	.323	.184	.058	.309	.177	.057	.297	.171	.055	.285	.165	.053	
2.0	.308	.169	.052	.302	.166	.051	.290	.161	.050	.279	.156	.049	.269	.152	.048	
3.0	.283	.151	.045	.278	.149	.045	.267	.145	.044	.257	.141	.043	.248	.137	.043	
4.0	.260	.135	.040	.255	.134	.039	.246	.130	.039	.237	.127	.038	.229	.124	.038	
5.0	.240	.122	.035	.235	.121	.035	.227	.118	.035	.219	.116	.034	.212	.113	.034	
6.0	.221	.111	.032	.217	.110	.032	.210	.108	.031	.203	.105	.031	.196	.103	.031	
7.0	.205	.102	.029	.202	.101	.029	.195	.099	.028	.189	.097	.028	.183	.095	.028	
8.0	.191	.093	.026	.188	.093	.026	.182	.091	.026	.177	.089	.026	.171	.088	.026	
9.0	.179	.087	.024	.176	.086	.024	.171	.084	.024	.166	.083	.024	.161	.082	.024	
10.0	.168	.080	.022	.165	.080	.022	.160	.079	.022	.156	.077	.022	.152	.076	.022	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.183	.158	.134	.157	.135	.116	.107	.093	.080	.062	.054	.047	.020	.017	.015	
2.0	.176	.133	.098	.151	.115	.084	.103	.079	.059	.060	.046	.035	.019	.015	.011	
3.0	.169	.116	.074	.145	.100	.064	.099	.070	.045	.057	.041	.027	.018	.013	.009	
4.0	.161	.103	.058	.138	.089	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
5.0	.154	.093	.047	.132	.080	.041	.091	.056	.029	.053	.033	.017	.017	.011	.006	
6.0	.146	.084	.040	.126	.073	.035	.087	.051	.024	.050	.030	.015	.016	.010	.005	
7.0	.140	.077	.034	.120	.067	.030	.083	.047	.021	.048	.028	.012	.016	.009	.004	
8.0	.133	.072	.030	.114	.062	.026	.079	.044	.018	.046	.026	.011	.015	.008	.004	
9.0	.127	.067	.026	.109	.058	.023	.076	.041	.016	.044	.024	.010	.014	.008	.003	
10.0	.121	.062	.024	.104	.054	.021	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding 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	16.5	18.1	16.8	18.3	18.5	16.4	18.0	16.7	18.2	18.4
	3H	18.0	19.5	18.3	19.7	20.0	18.0	19.5	18.3	19.7	19.9
	4H	18.6	20.0	18.9	20.3	20.5	18.6	20.0	18.9	20.2	20.5
	6H	19.0	20.3	19.3	20.6	20.8	19.0	20.3	19.3	20.6	20.9
	8H	19.0	20.3	19.4	20.6	20.9	19.1	20.3	19.4	20.6	20.9
	12H	19.1	20.3	19.4	20.6	20.9	19.1	20.4	19.5	20.7	21.0
4H	2H	17.1	18.5	17.4	18.7	19.0	17.0	18.4	17.4	18.7	19.0
	3H	18.8	20.0	19.1	20.3	20.6	18.7	20.0	19.1	20.3	20.6
	4H	19.5	20.6	19.8	20.9	21.3	19.4	20.6	19.8	20.9	21.2
	6H	19.9	20.9	20.3	21.3	21.7	19.9	20.9	20.3	21.3	21.7
	8H	20.0	21.0	20.5	21.4	21.7	20.1	21.0	20.5	21.4	21.8
	12H	20.1	21.0	20.5	21.3	21.8	20.2	21.0	20.6	21.4	21.8
8H	4H	19.7	20.6	20.1	21.0	21.4	19.7	20.6	20.1	21.0	21.4
	6H	20.3	21.0	20.7	21.4	21.9	20.3	21.0	20.7	21.5	21.9
	8H	20.4	21.1	20.9	21.6	22.0	20.5	21.2	20.9	21.6	22.1
	12H	20.5	21.1	21.0	21.6	22.1	20.6	21.2	21.1	21.7	22.2
12H	4H	19.7	20.5	20.1	20.9	21.3	19.7	20.5	20.1	20.9	21.3
	6H	20.3	21.0	20.7	21.4	21.9	20.3	21.0	20.8	21.4	21.9
	8H	20.5	21.1	21.0	21.5	22.0	20.5	21.1	21.0	21.6	22.1

Variations with the observer position at spacings(CIE Pub.117):

S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.2 / - 0.3

CIE Pub.117, 576.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.9)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

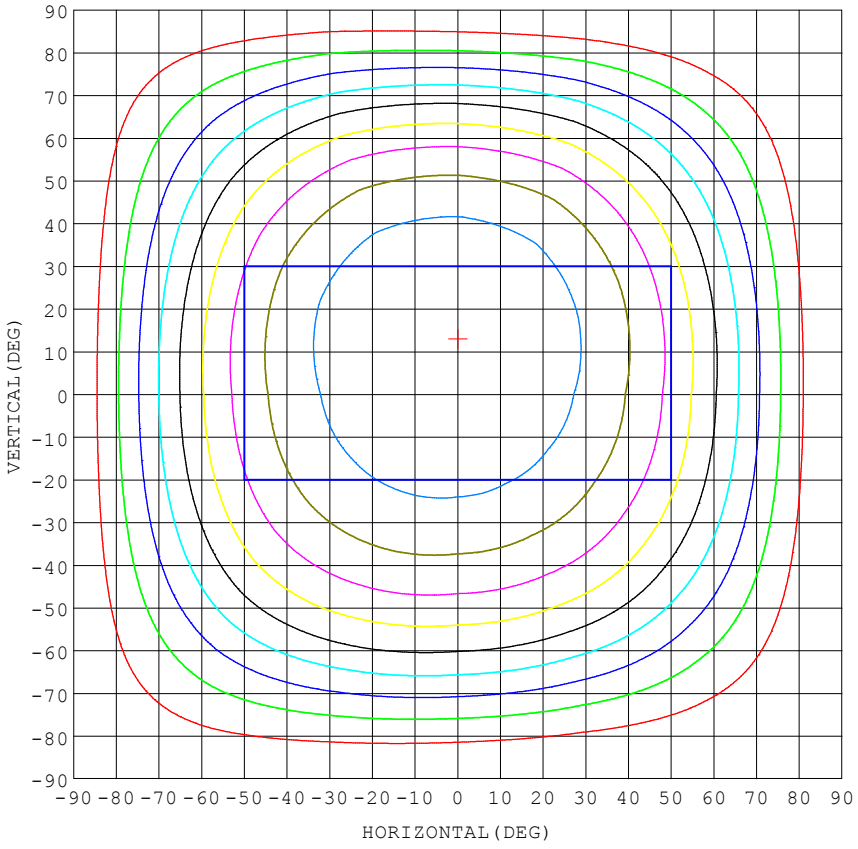
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	35	54	42	35	53	42	35	28
0.80	65	53	45	64	52	45	62	51	44	37
1.00	73	62	54	72	61	54	70	63	53	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	86	75	68	84	74	67	81	73	66	58
2.00	93	84	77	91	83	76	88	80	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



MAX = 169.99
MIN = 105.65
AVG = 151.25
AVG/MAX = 0.89
MIN/MAX = 0.62

Imax:170.0(H0.0,V13.0)
(At:C=270.0,Gamma=13.0)
UNIT: cd

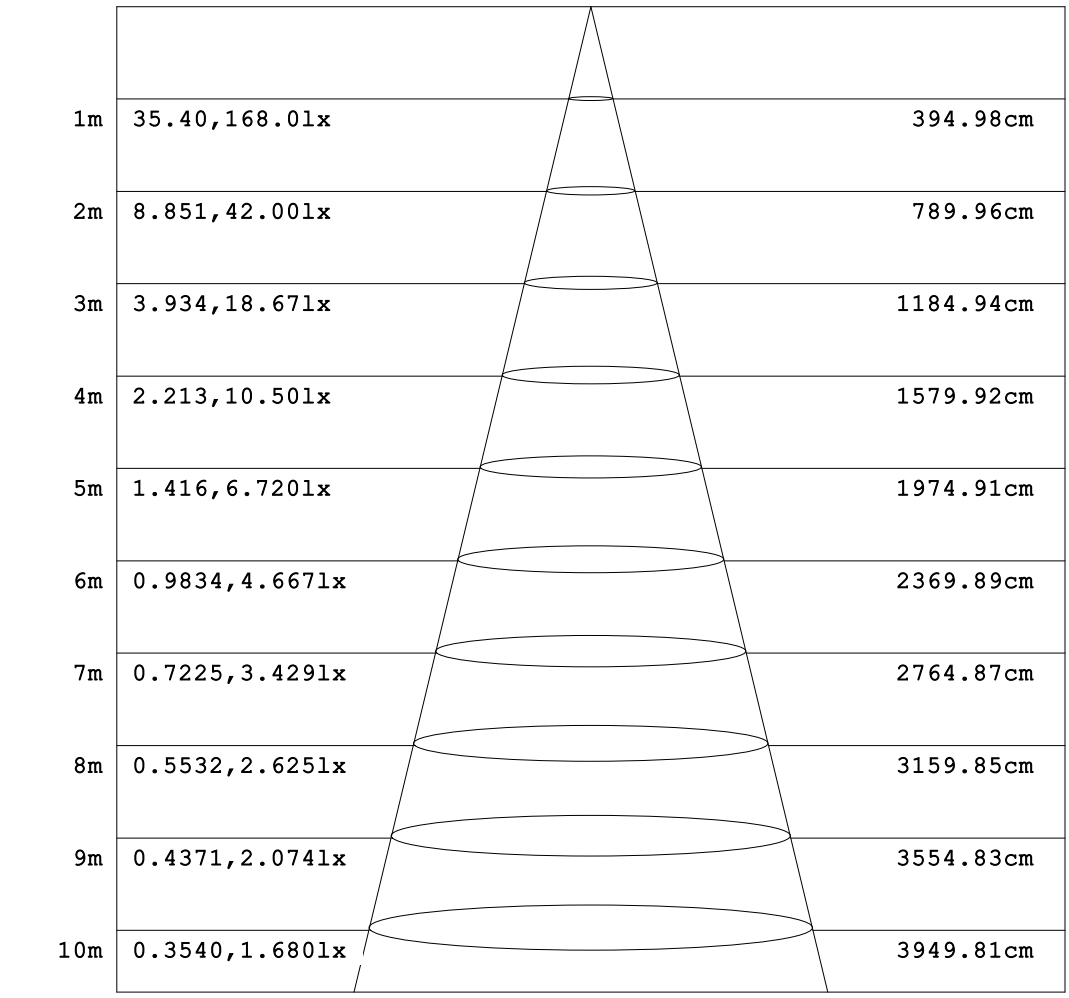
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

AAI Figure

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Flux out:467.5 lm



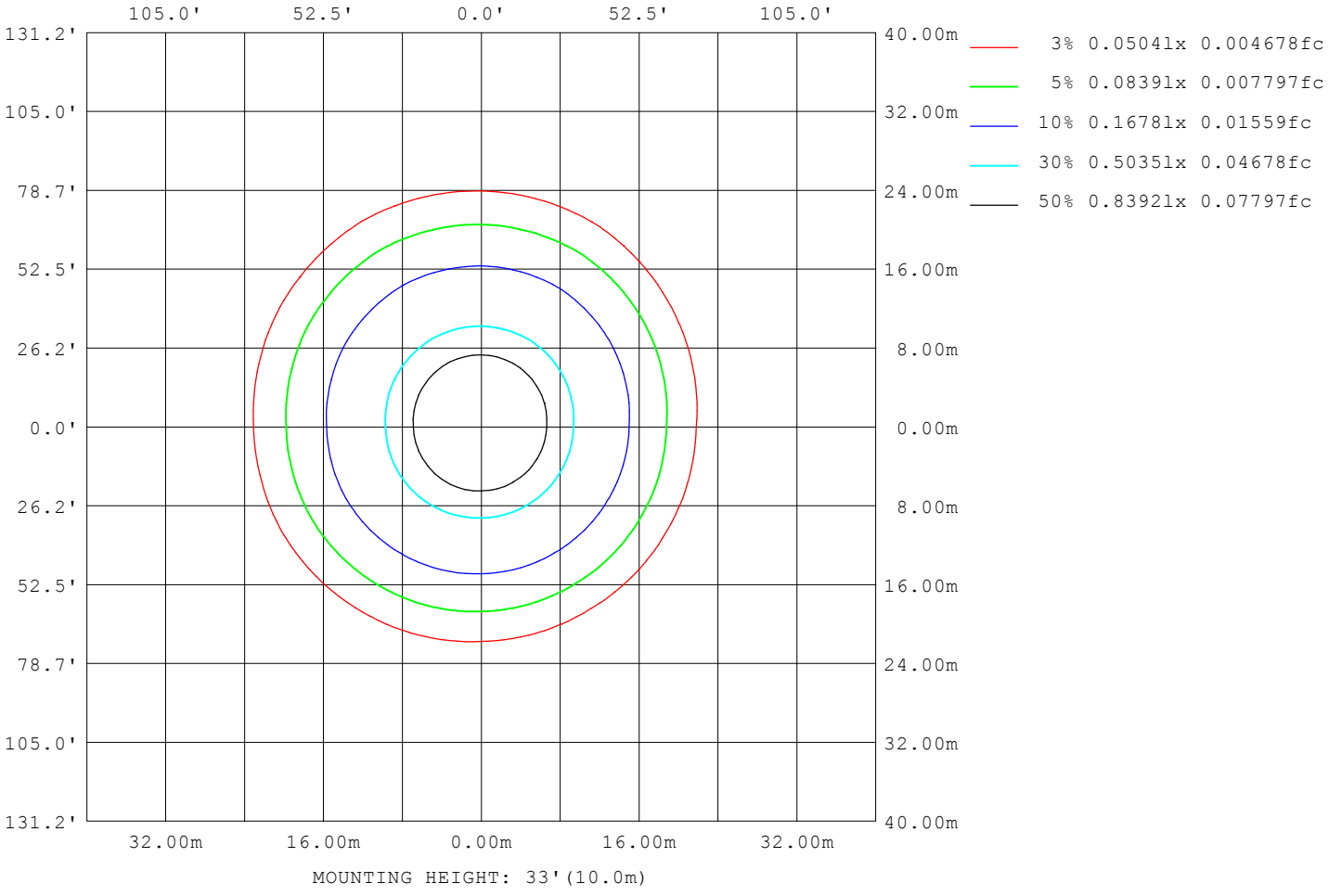
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

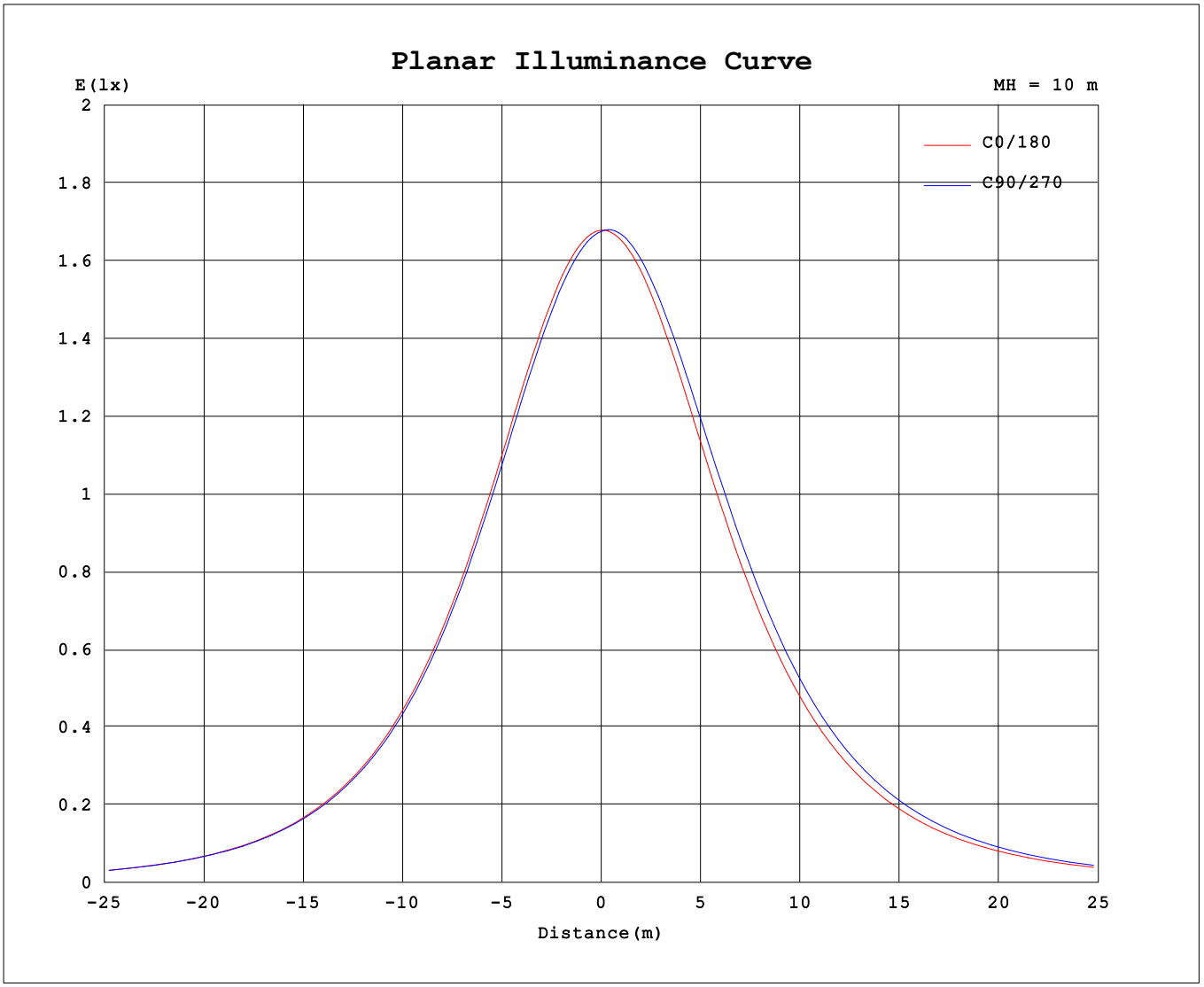
AvgL	cd/m2
L_0~180(65)av	1841
L_0~180(75)av	1665
L_0~180(85)av	1266
L_90~270(65)av	1971
L_90~270(75)av	1825
L_90~270(85)av	1455
L_45(65)av	1956
L_45(75)av	1791
L_45(85)av	1399

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3426350 12W RGB	TYPE: 2835 RGB	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	168	168	168	168	168	168	168	168	168	168	168	168
5	167	166	166	166	166	167	168	168	169	169	169	168
10	166	164	163	163	164	165	167	169	170	170	169	167
15	163	161	160	160	161	163	165	168	170	170	169	166
20	160	157	156	157	158	160	163	167	169	169	167	164
25	155	152	152	152	154	156	159	164	167	167	165	161
30	149	147	146	146	149	152	155	161	165	165	162	156
35	143	140	139	140	143	146	150	156	161	161	158	151
40	135	132	131	132	136	140	143	151	155	155	152	144
45	125	122	121	122	127	132	135	143	149	148	145	136
50	114	111	111	112	117	122	125	134	140	139	136	125
55	101	98.6	98.0	99.6	105	111	114	123	129	127	124	113
60	86.6	84.1	83.6	85.6	91.4	97.6	101	110	115	113	109	98.2
65	70.5	68.0	67.6	70.2	75.8	82.1	85.2	93.6	98.6	96.4	92.4	81.3
70	53.4	51.0	50.9	53.6	58.9	64.9	68.0	75.5	80.0	77.6	73.3	62.9
75	36.3	34.2	34.1	37.0	41.5	47.0	49.9	56.2	59.8	57.5	53.0	43.9
80	19.9	18.4	18.6	21.2	24.7	29.4	32.0	36.5	38.7	35.9	32.4	25.4
85	6.64	6.30	6.74	8.76	10.6	13.5	15.4	17.9	19.2	16.6	13.8	9.22
90	0.58	0.51	0.34	0.34	1.67	2.94	3.66	3.75	3.18	0.06	1.04	0.65
95	0.06	0.08	0.08	0.07	0.07	0.08	0.14	0.08	0.04	0.04	0.05	0.06
100	0.07	0.08	0.08	0.10	0.07	0.07	0.06	0.05	0.06	0.04	0.07	0.06
105	0.06	0.11	0.08	0.12	0.08	0.09	0.08	0.05	0.08	0.06	0.09	0.07
110	0.08	0.13	0.11	0.14	0.11	0.11	0.10	0.07	0.10	0.07	0.11	0.08
115	0.11	0.14	0.12	0.16	0.12	0.13	0.12	0.09	0.12	0.10	0.13	0.11
120	0.13	0.17	0.15	0.18	0.15	0.15	0.14	0.11	0.14	0.12	0.14	0.12
125	0.15	0.18	0.16	0.20	0.16	0.18	0.16	0.13	0.16	0.13	0.16	0.15
130	0.17	0.21	0.18	0.22	0.18	0.20	0.18	0.16	0.18	0.16	0.19	0.16
135	0.19	0.22	0.21	0.24	0.20	0.22	0.20	0.17	0.20	0.17	0.21	0.18
140	0.21	0.24	0.22	0.25	0.22	0.24	0.22	0.19	0.22	0.21	0.22	0.21
145	0.22	0.25	0.23	0.27	0.23	0.25	0.24	0.21	0.23	0.21	0.24	0.21
150	0.24	0.27	0.25	0.28	0.25	0.26	0.26	0.22	0.25	0.22	0.25	0.23
155	0.25	0.28	0.26	0.29	0.26	0.27	0.28	0.24	0.27	0.25	0.27	0.25
160	0.27	0.29	0.26	0.30	0.27	0.29	0.29	0.26	0.28	0.25	0.28	0.26
165	0.29	0.30	0.27	0.30	0.28	0.30	0.30	0.26	0.29	0.26	0.29	0.27
170	0.30	0.31	0.30	0.31	0.30	0.30	0.30	0.27	0.30	0.27	0.30	0.28
175	0.30	0.31	0.30	0.31	0.30	0.31	0.30	0.29	0.30	0.29	0.31	0.30
180	0.31	0.31	0.30	0.31	0.30	0.31	0.31	0.31	0.31	0.30	0.31	0.31

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2022-05-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks: