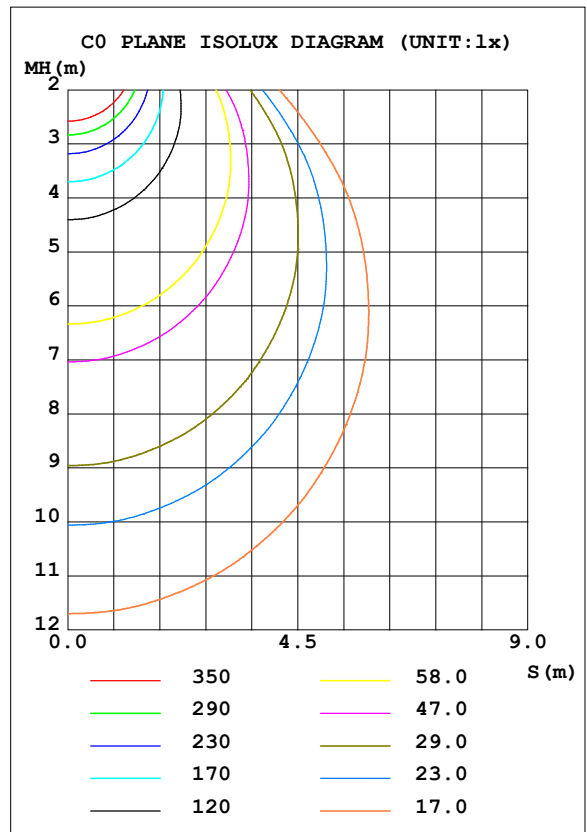
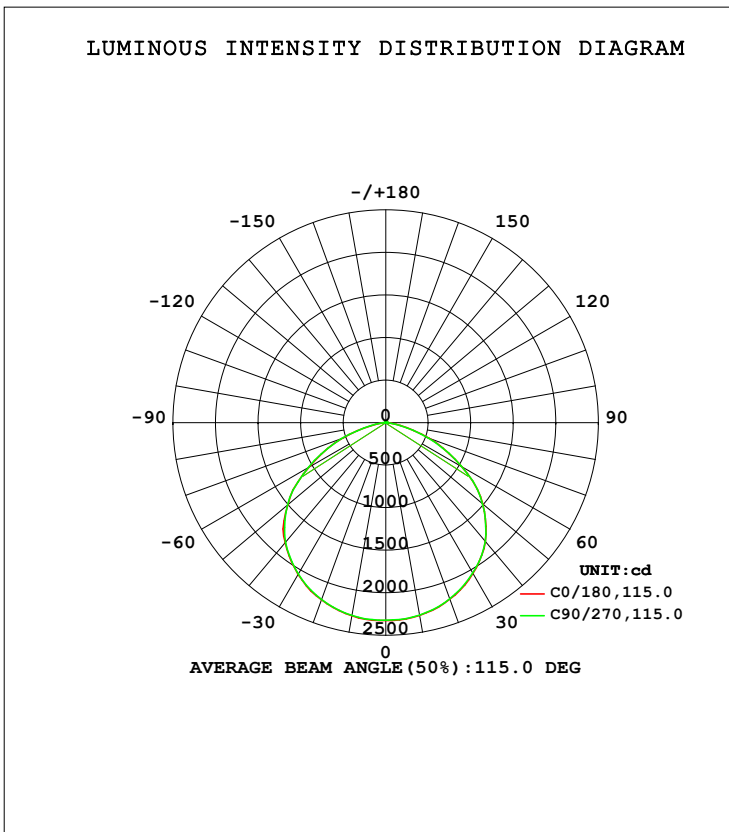


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.34 lm/W			
MODEL	ULHB-50W-40K	I _{max} (cd)	2327	S/MH (C0/180)	1.32
NOMINAL POWER (W)	50	LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	6731.8	η UP, DN (C0-180)	0.6, 49.2
NOMINAL FLUX (lm)	6731.82	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.7
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	η down (%)	98.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Admin
 Test Date: 2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

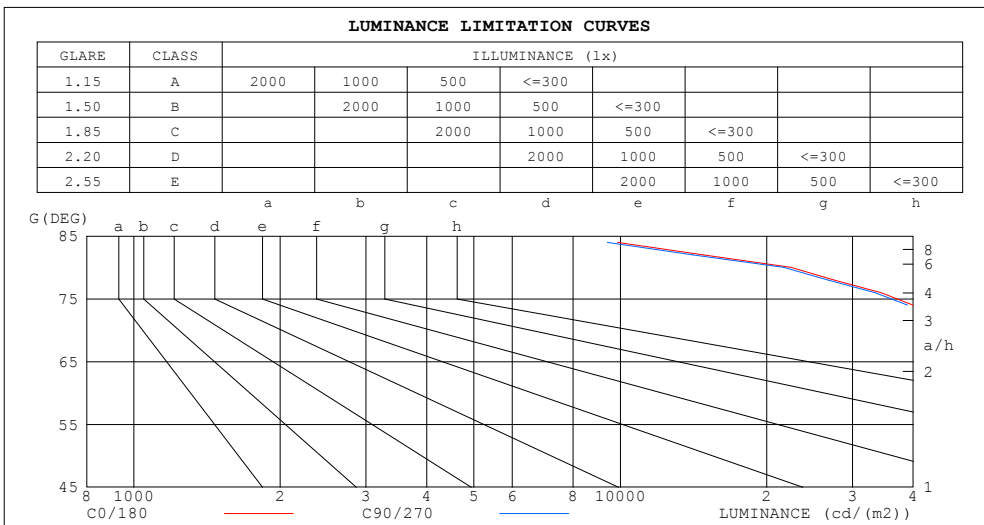
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2299	2297	2295	2294	2304	2303	2300	2293	0- 10	220.8	220.8	3.28,3.28
20	2208	2205	2203	2205	2216	2215	2211	2203	10- 20	639.0	859.7	12.8,12.8
30	2049	2045	2044	2048	2060	2059	2056	2045	20- 30	986.3	1846	27.4,27.4
40	1823	1812	1819	1828	1842	1845	1836	1821	30- 40	1220	3066	45.5,45.5
50	1490	1482	1487	1499	1506	1514	1510	1491	40- 50	1290	4356	64.7,64.7
60	1029	1022	1025	1037	1037	1048	1047	1031	50- 60	1144	5500	81.7,81.7
70	544.9	538.7	534.2	542.7	553.8	560.3	556.5	547.4	60- 70	782.0	6282	93.3,93.3
80	122.3	111.5	118.2	114.7	115.8	122.6	124.5	124.6	70- 80	331.0	6613	98.2,98.2
90	10.23	10.19	10.18	10.12	10.74	10.69	10.70	10.68	80- 90	41.51	6655	98.9,98.9
100	10.37	10.36	10.30	10.28	11.16	11.07	11.10	11.09	90-100	11.50	6666	99,99
110	10.99	10.88	10.74	10.75	11.99	11.85	11.87	11.87	100-110	11.67	6678	99.2,99.2
120	11.55	11.53	11.30	11.37	12.78	12.67	12.66	12.70	110-120	11.62	6689	99.4,99.4
130	12.08	12.12	11.87	12.02	13.42	13.38	13.30	13.45	120-130	11.11	6700	99.5,99.5
140	12.75	12.84	12.61	12.63	14.10	14.06	13.94	14.08	130-140	10.08	6710	99.7,99.7
150	13.60	13.80	13.61	13.63	14.73	14.78	14.73	14.77	140-150	8.646	6719	99.8,99.8
160	14.84	14.94	14.87	14.77	15.52	15.66	15.64	15.51	150-160	6.796	6726	99.9,99.9
170	15.72	15.69	15.72	15.61	15.75	15.78	15.77	15.73	160-170	4.406	6730	100,100
180	15.88	15.90	15.83	15.81	15.89	15.88	15.84	15.78	170-180	1.504	6732	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11836	11287
80	22437	21674
75	42569	41498
70	50741	49741
65	62723	62454
60	65512	65266
55	74018	73909
50	73843	73667
45	76460	76281

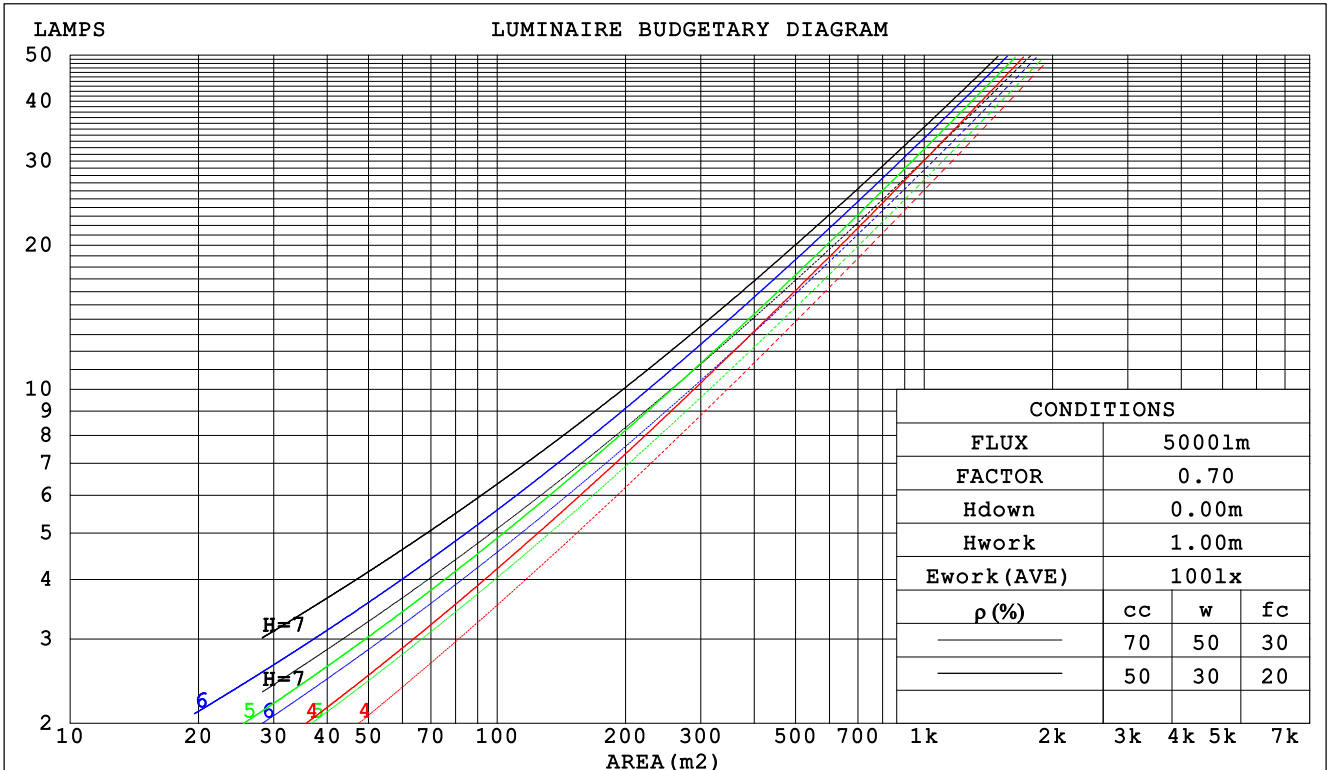
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.3	1.01	.97	.92	.99	.95	.91	.95	.91	.88	.91	.88	.85	.87	.85	.83	.81
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.78	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.67	.61	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.48	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.49	.42	.56	.48	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.46	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	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 Coefficients (WEC)									
0.0																
1.3	.285	.161	.050	.278	.157	.049	.265	.151	.048	.252	.145	.046	.241	.139	.045	
2.0	.276	.152	.046	.270	.149	.046	.258	.143	.045	.247	.138	.043	.236	.134	.042	
3.0	.260	.138	.041	.254	.136	.041	.243	.132	.040	.233	.128	.039	.224	.124	.038	
4.0	.242	.126	.037	.237	.124	.037	.227	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.225	.115	.033	.221	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.210	.105	.030	.206	.104	.030	.198	.101	.030	.191	.099	.029	.184	.097	.029	
7.0	.196	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.090	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.162	.078	.022	.160	.077	.021	.154	.076	.021	.150	.074	.021	.145	.073	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.3	.185	.158	.134	.159	.136	.116	.109	.094	.080	.062	.054	.047	.020	.018	.015	
2.0	.179	.141	.109	.153	.121	.094	.105	.084	.066	.061	.049	.038	.019	.016	.013	
3.0	.171	.123	.085	.147	.106	.073	.101	.074	.052	.058	.043	.030	.019	.014	.010	
4.0	.164	.110	.068	.141	.095	.059	.097	.066	.042	.056	.039	.025	.018	.013	.008	
5.0	.157	.099	.057	.135	.086	.050	.093	.060	.035	.054	.035	.021	.017	.012	.007	
6.0	.150	.091	.049	.129	.079	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006	
7.0	.143	.084	.043	.123	.073	.037	.085	.051	.026	.049	.030	.016	.016	.010	.005	
8.0	.137	.078	.038	.118	.068	.033	.082	.048	.024	.047	.028	.014	.015	.009	.005	
9.0	.131	.073	.034	.113	.064	.030	.078	.045	.021	.046	.026	.013	.015	.009	.004	
10.0	.126	.069	.032	.108	.060	.028	.075	.042	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm										
NAME: ULHB-50W-40K					TYPE:			WEIGHT:		
SPEC.:50W, AC100-277V, 130lm/W, 4000K					DIM.:			SERIAL No.:2018051507		
MFR.: WESTGATE MFG INC					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	27.7	29.1	27.9	29.4	29.6	27.7	29.1	27.9	29.4	29.6
3H	28.8	30.2	29.1	30.4	30.7	28.8	30.1	29.1	30.4	30.6
4H	29.1	30.4	29.4	30.6	30.9	29.0	30.3	29.4	30.6	30.9
6H	29.1	30.4	29.5	30.6	30.9	29.1	30.3	29.4	30.6	30.9
8H	29.1	30.3	29.5	30.6	30.9	29.1	30.2	29.4	30.5	30.8
12H	29.1	30.2	29.4	30.5	30.8	29.0	30.1	29.4	30.4	30.8
4H 2H	28.2	29.4	28.5	29.7	30.0	28.2	29.4	28.5	29.7	30.0
3H	29.4	30.6	29.8	30.9	31.2	29.4	30.5	29.8	30.8	31.2
4H	29.8	30.8	30.2	31.1	31.5	29.7	30.8	30.1	31.1	31.5
6H	29.9	30.8	30.3	31.2	31.6	29.9	30.8	30.3	31.1	31.5
8H	29.9	30.7	30.3	31.1	31.5	29.8	30.7	30.3	31.1	31.5
12H	29.8	30.6	30.3	31.0	31.4	29.8	30.6	30.2	31.0	31.4
8H 4H	29.9	30.7	30.3	31.1	31.5	29.8	30.7	30.3	31.0	31.5
6H	30.0	30.7	30.5	31.1	31.6	30.0	30.7	30.4	31.1	31.5
8H	30.0	30.6	30.5	31.1	31.5	30.0	30.6	30.5	31.0	31.5
12H	30.0	30.5	30.5	31.0	31.5	30.0	30.5	30.4	30.9	31.4
12H 4H	29.8	30.6	30.3	31.0	31.4	29.8	30.6	30.2	31.0	31.4
6H	30.0	30.6	30.5	31.1	31.5	30.0	30.6	30.4	31.0	31.5
8H	30.0	30.5	30.5	31.0	31.5	30.0	30.5	30.5	30.9	31.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.4				

CIE Pub.117, 6732 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.6)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:

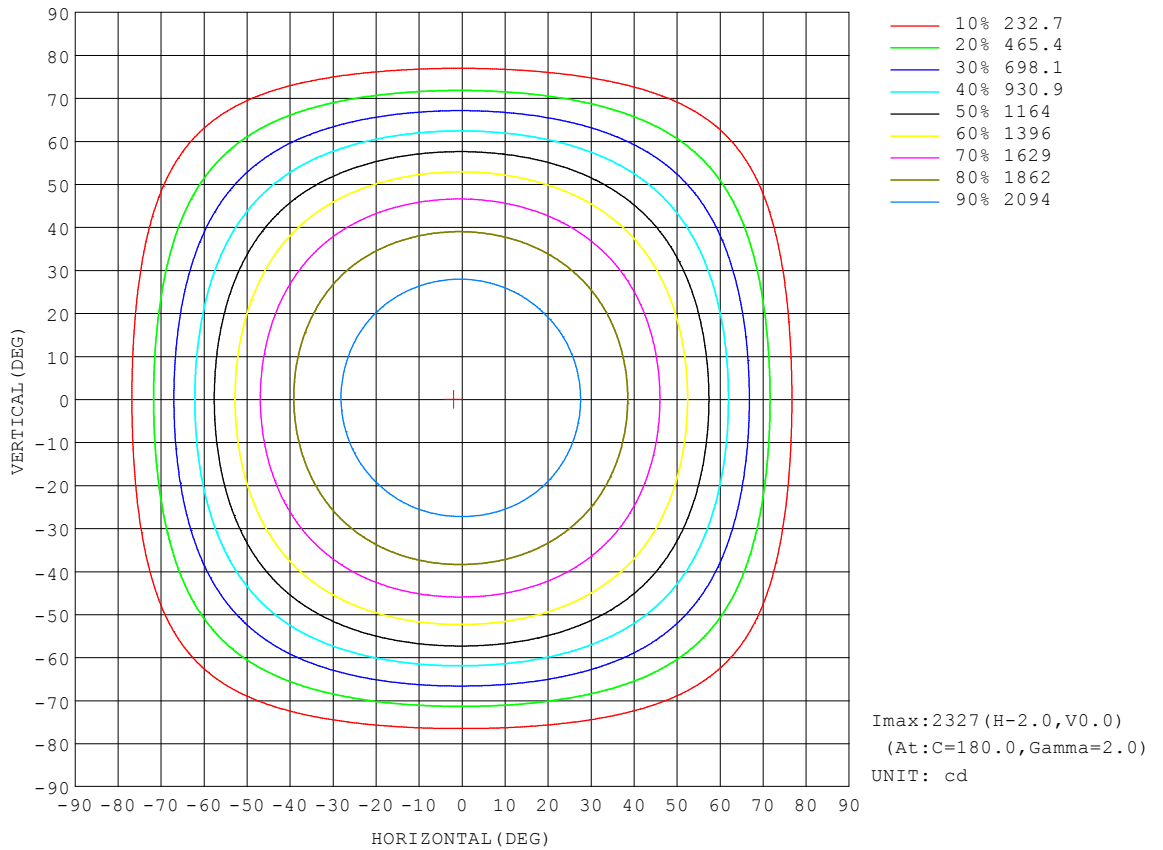
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	59	76	65	59	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	58
1.50	89	80	73	87	79	72	84	77	71	64
2.00	96	88	82	94	87	81	91	84	79	71
2.50	100	92	87	98	91	86	94	88	84	75
3.00	103	97	91	101	95	90	97	92	88	79
4.00	107	102	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:

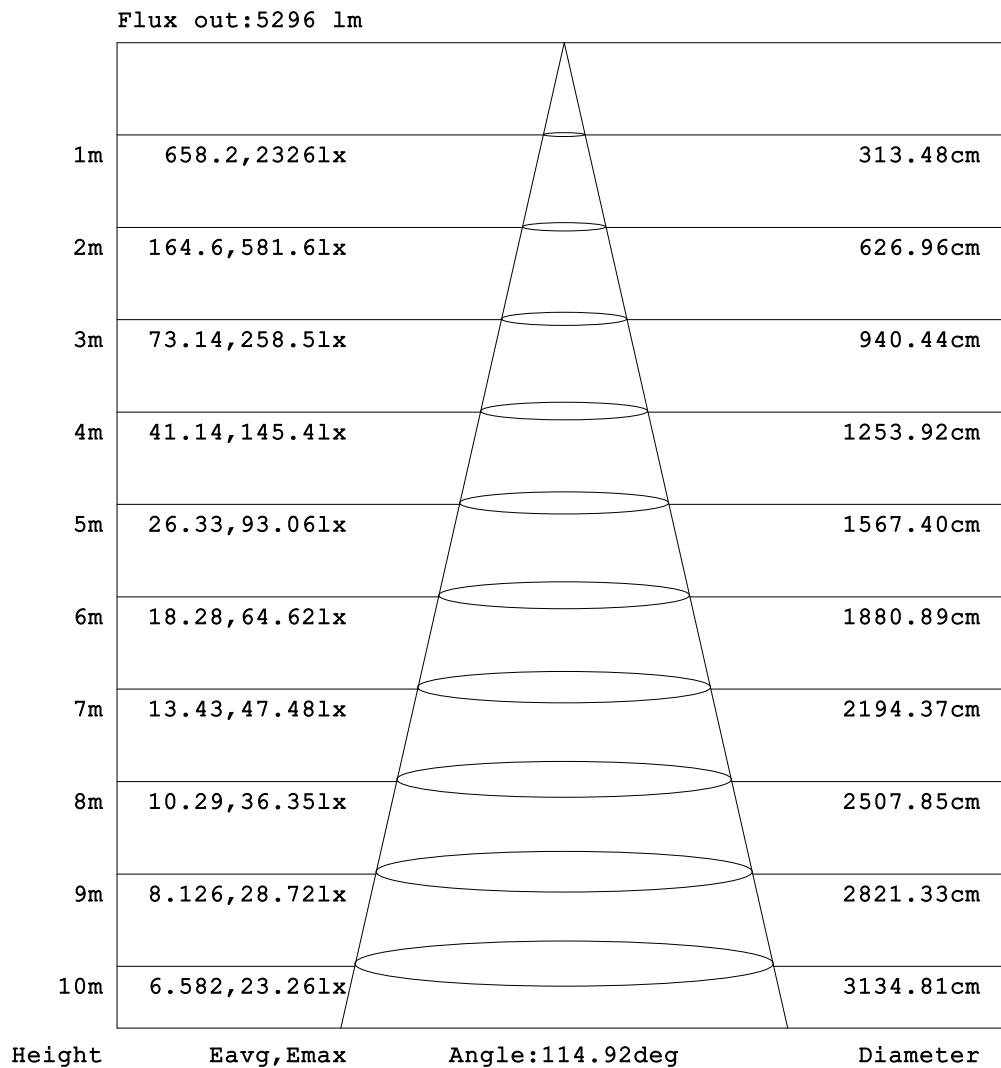


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:



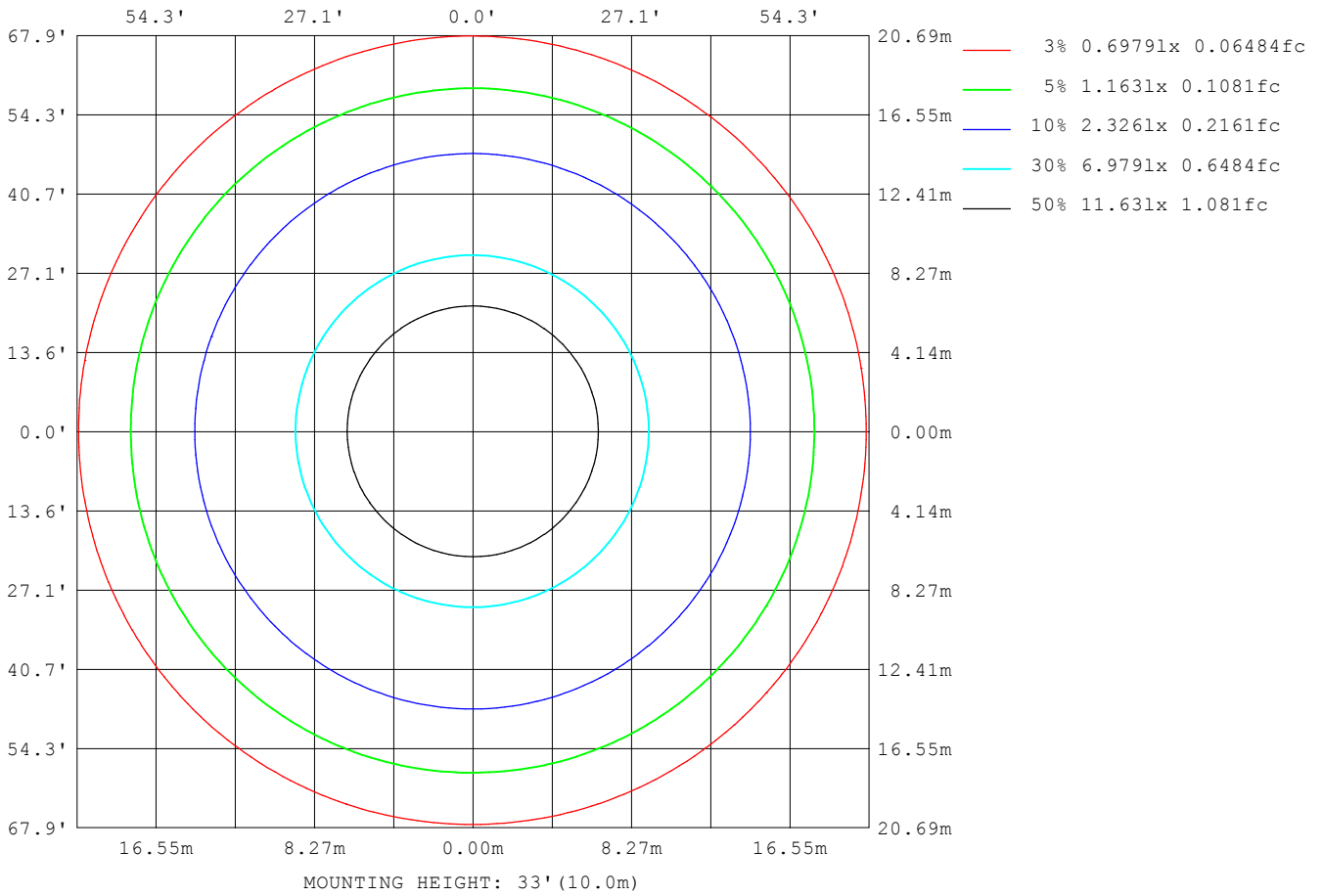
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:

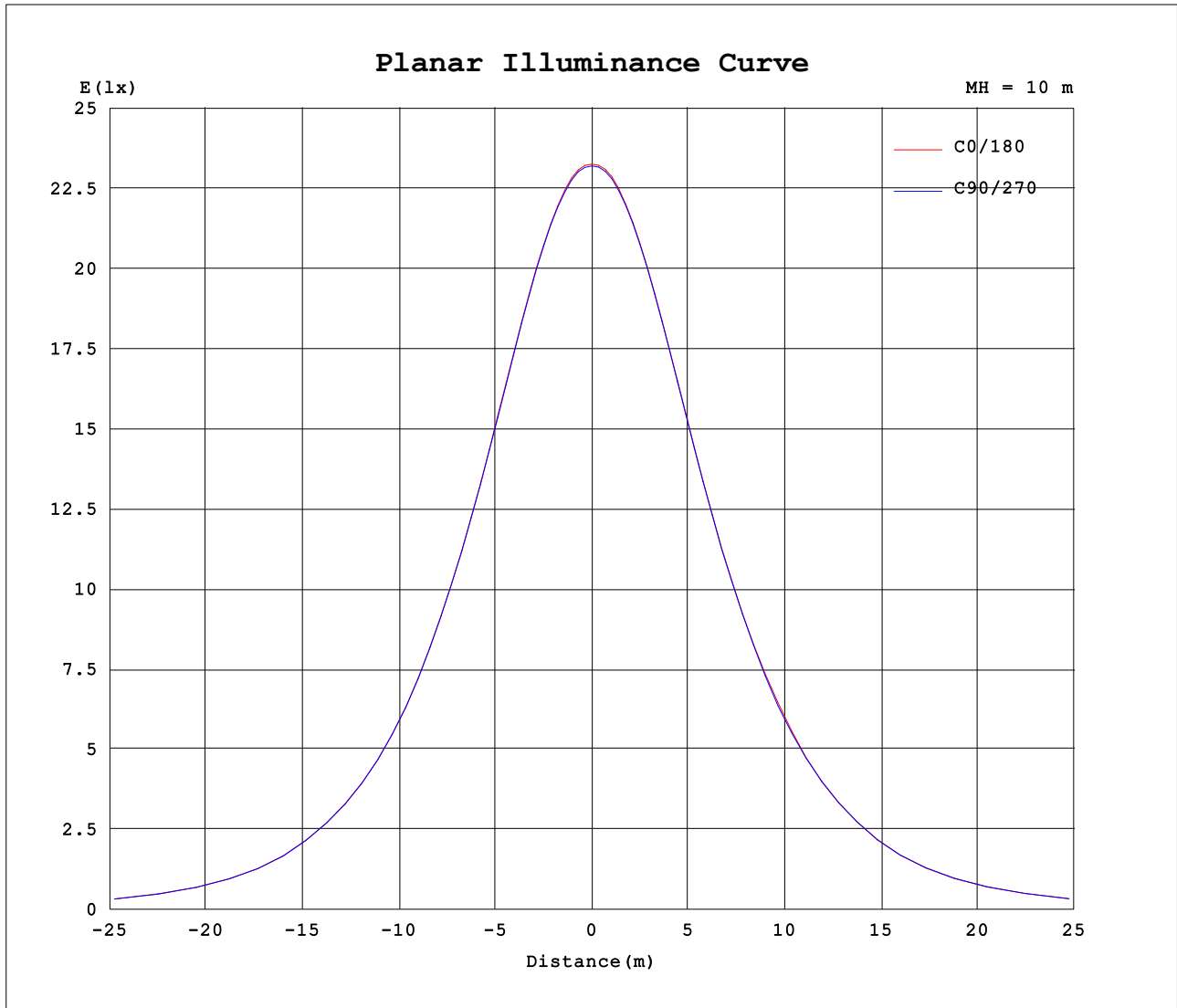
AvgL	cd/m2
L_0~180 (65) av	59497
L_0~180 (75) av	37468
L_0~180 (85) av	8386
L_90~270 (65) av	59606
L_90~270 (75) av	37236
L_90~270 (85) av	8491
L_45 (65) av	59695
L_45 (75) av	37457
L_45 (85) av	8375

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Admin
 Test Date:2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Admin
 Test Date: 2018-05-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.4169A P:49.739W PF:0.9945 Freq:59.98Hz Lamp Flux:6731.82x1 lm		
NAME: ULHB-50W-40K	TYPE:	WEIGHT:
SPEC.:50W, AC100-277V, 130lm/W, 4000K	DIM.:	SERIAL No.:2018051507
MFR.: WESTGATE MFG INC	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315										
0	2326	2324	2321	2318	2326	2324	2321	2318										
5	2325	2322	2319	2318	2327	2324	2320	2319										
10	2299	2297	2295	2294	2304	2303	2300	2293										
15	2271	2269	2267	2267	2276	2277	2273	2265										
20	2208	2205	2203	2205	2216	2215	2211	2203										
25	2153	2150	2147	2152	2165	2163	2159	2149										
30	2049	2045	2044	2048	2060	2059	2056	2045										
35	1968	1964	1964	1968	1979	1981	1974	1965										
40	1823	1812	1819	1828	1842	1845	1836	1821										
45	1698	1689	1694	1707	1738	1724	1711	1696										
50	1490	1482	1487	1499	1506	1514	1510	1491										
55	1333	1326	1331	1341	1348	1348	1350	1333										
60	1029	1022	1025	1037	1037	1048	1047	1031										
65	832	830	829	842	842	853	852	840										
70	545	539	534	543	554	560	556	547										
75	346	342	337	344	352	359	355	347										
80	122	111	118	115	116	123	125	125										
85	32.4	30.7	30.9	32.8	33.2	34.3	35.9	33.1										
90	10.2	10.2	10.2	10.1	10.7	10.7	10.7	10.7										
95	10.2	10.2	10.2	10.1	10.8	10.8	10.8	10.8										
100	10.4	10.4	10.3	10.3	11.2	11.1	11.1	11.1										
105	10.6	10.6	10.5	10.5	11.5	11.4	11.4	11.4										
110	11.0	10.9	10.7	10.8	12.0	11.9	11.9	11.9										
115	11.2	11.1	11.0	11.0	12.3	12.2	12.2	12.2										
120	11.5	11.5	11.3	11.4	12.8	12.7	12.7	12.7										
125	11.7	11.8	11.6	11.6	13.0	13.0	12.9	13.0										
130	12.1	12.1	11.9	12.0	13.4	13.4	13.3	13.4										
135	12.3	12.3	12.1	12.2	13.7	13.7	13.6	13.7										
140	12.8	12.8	12.6	12.6	14.1	14.1	13.9	14.1										
145	13.1	13.2	13.0	13.0	14.3	14.3	14.3	14.3										
150	13.6	13.8	13.6	13.6	14.7	14.8	14.7	14.8										
155	14.1	14.2	14.1	14.0	15.1	15.1	15.1	15.1										
160	14.8	14.9	14.9	14.8	15.5	15.7	15.6	15.5										
165	15.3	15.3	15.3	15.2	15.8	15.9	15.9	15.7										
170	15.7	15.7	15.7	15.6	15.7	15.8	15.8	15.7										
175	15.8	15.9	15.8	15.8	15.7	15.7	15.6	15.6										
180	15.9	15.9	15.8	15.8	15.9	15.9	15.8	15.8										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
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