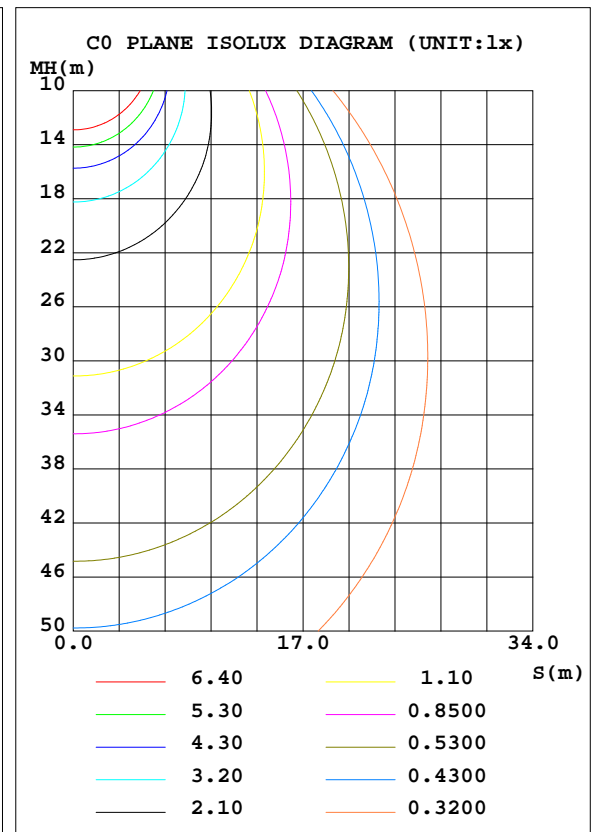
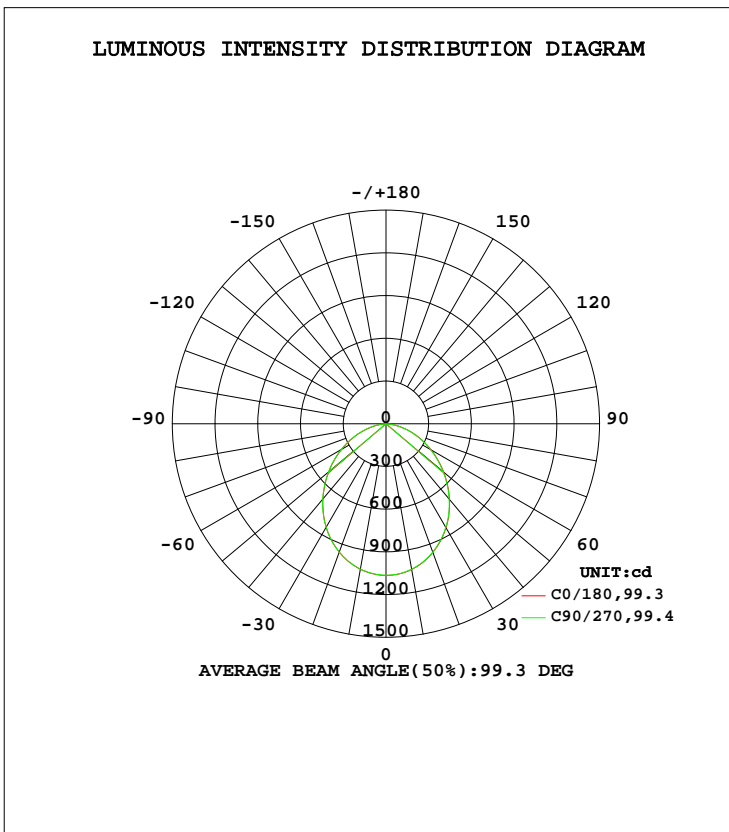


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.83 lm/W			
MODEL	HR-PLA08-20W-140	I _{max} (cd)	1065	S/MH(C0/180)	1.18
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2602.9	η UP, DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	2602.93	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1039	1039	1037	1036	1037	1037	1036	1037	0- 10	100.3	100.3	3.85,3.85
20	961.7	961.5	959.8	957.4	959.5	959.4	959.5	960.0	10- 20	282.9	383.2	14.7,14.7
30	842.8	842.4	840.4	837.6	840.3	839.9	840.5	841.8	20- 30	416.3	799.5	30.7,30.7
40	693.4	692.8	690.3	687.1	689.3	689.8	691.2	692.7	30- 40	480.5	1280	49.2,49.2
50	528.8	527.8	525.2	521.9	525.1	526.0	527.8	529.6	40- 50	469.8	1750	67.2,67.2
60	364.5	363.3	360.7	357.9	361.0	362.3	363.8	365.5	50- 60	396.7	2147	82.5,82.5
70	210.5	209.4	206.8	204.3	205.8	207.5	209.3	210.8	60- 70	281.0	2428	93.3,93.3
80	72.83	72.01	69.46	67.42	70.11	71.91	73.25	74.37	70- 80	145.4	2573	98.8,98.8
90	0.1760	0.0049	0	0	0.2712	0.2712	0.2712	0.2712	80- 90	26.23	2599	99.9,99.9
100	0	0	0	0	0.5425	0.4102	0.5424	0.5424	90-100	0.1925	2599	99.9,99.9
110	0	0	0	0	0.9493	0.8815	0.7483	0.8831	100-110	0.3445	2600	99.9,99.9
120	0	0	0	0.0675	1.357	1.153	1.018	1.153	110-120	0.4797	2600	99.9,99.9
130	0.0678	0	0.1351	0	1.357	1.153	1.424	1.288	120-130	0.5491	2601	99.9,99.9
140	0.1335	0	0.4061	0	1.424	1.153	1.424	1.492	130-140	0.5702	2601	99.9,99.9
150	0.5426	0.4746	0.7426	0.3390	1.424	1.153	1.424	1.896	140-150	0.5684	2602	100,100
160	0.9493	0.6103	0.8136	0.8813	1.424	1.153	1.356	1.967	150-160	0.5210	2602	100,100
170	1.085	1.083	1.286	1.085	1.424	1.153	1.356	2.034	160-170	0.3441	2603	100,100
180	1.424	1.356	1.897	1.424	1.424	1.153	1.356	1.826	170-180	0.1344	2603	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1520.5 lm

%lum = 58.4%

%lamp = 58.4%

Conical surface Flux(120deg): 2146.6 lm

%lum = 82.5%

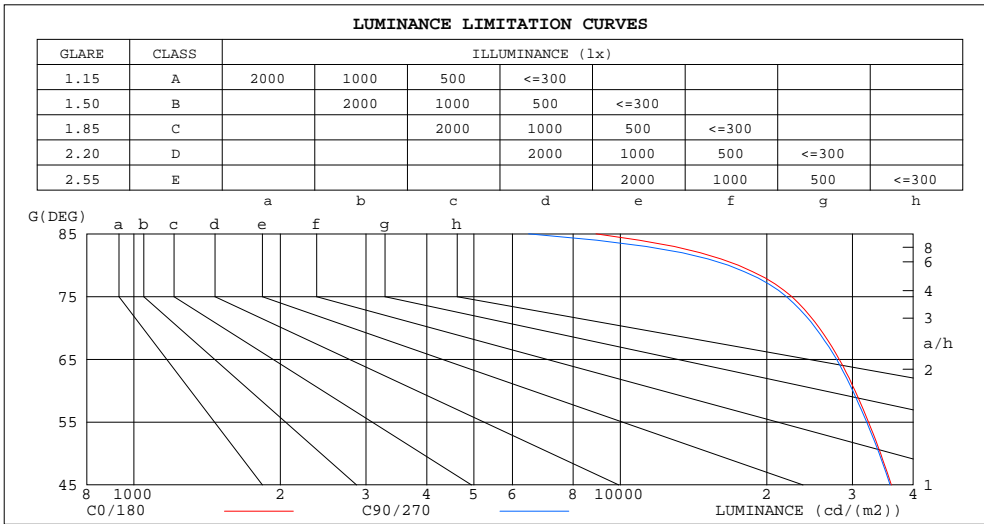
%lamp = 82.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8915	6479
80	17475	16668
75	22510	21950
70	25642	25189
65	28180	27834
60	30375	30056
55	32371	32099
50	34277	34047
45	36060	35853

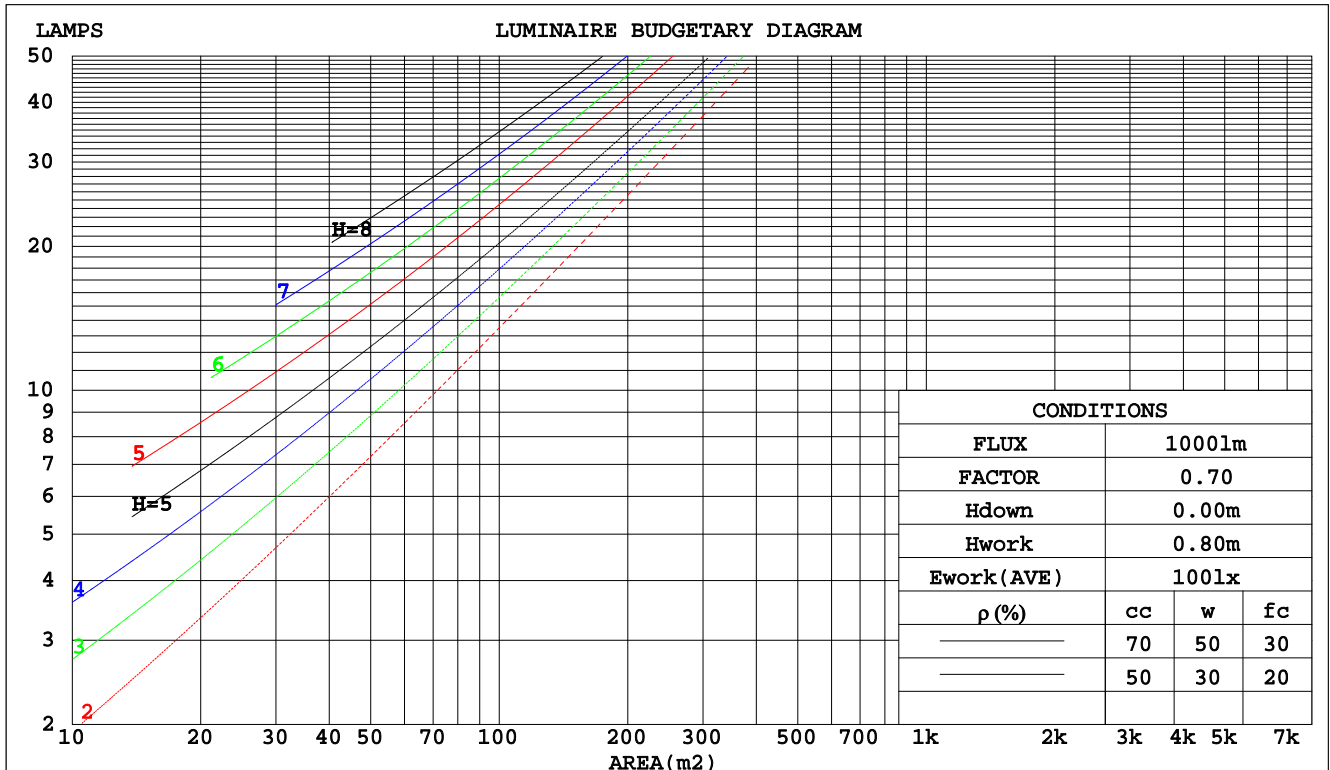
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

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	1.19	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	1.05	1.01	.97	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.41
7.0	.53	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.34	.44	.39	.34	.32
9.0	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.27



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Seth
 Test Date: 2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3361]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.287	.163	.052	.280	.160	.051	.267	.153	.049	.254	.147	.047	.243	.141	.045	
2.0	.274	.150	.046	.268	.148	.045	.256	.143	.044	.246	.138	.043	.236	.133	.042	
3.0	.256	.136	.041	.251	.134	.040	.240	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.035	.216	.116	.035	.208	.113	.034	
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.201	.106	.032	.194	.104	.031	
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.188	.098	.029	.182	.096	.028	
7.0	.192	.095	.027	.189	.094	.027	.183	.092	.027	.177	.091	.026	.171	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.169	.082	.023	.167	.081	.023	.161	.080	.023	.157	.078	.022	.152	.077	.022	
10.0	.160	.076	.021	.157	.076	.021	.152	.075	.021	.148	.074	.021	.144	.072	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.157	.137	.154	.135	.118	.105	.093	.082	.061	.054	.048	.019	.017	.015	
2.0	.171	.133	.101	.146	.115	.088	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.140	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.061	.133	.088	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.050	.127	.079	.043	.087	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.083	.041	.121	.072	.036	.083	.050	.025	.048	.030	.015	.016	.010	.005	
7.0	.134	.076	.035	.115	.066	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.128	.070	.031	.110	.061	.027	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.122	.065	.027	.105	.057	.023	.073	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.116	.061	.024	.100	.053	.021	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.3361]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm										
NAME: LED Down Light					TYPE:			WEIGHT:N/A		
SPEC.:N/A					DIM.:			SERIAL No.:N/A		
MFR.: 海润光电					SUR.:			Shielding Angle:N/A		
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	24.8	26.2	25.0	26.4	26.6	24.7	26.2	25.0	26.4	26.6
3H	26.0	27.4	26.3	27.6	27.9	26.0	27.3	26.3	27.6	27.8
4H	26.5	27.8	26.8	28.0	28.3	26.4	27.7	26.8	28.0	28.2
6H	26.8	28.0	27.1	28.3	28.5	26.7	27.9	27.0	28.2	28.5
8H	26.8	28.0	27.2	28.3	28.6	26.7	27.9	27.1	28.2	28.5
12H	26.8	27.9	27.2	28.2	28.5	26.7	27.8	27.1	28.1	28.4
4H 2H	25.3	26.6	25.6	26.8	27.1	25.3	26.5	25.6	26.8	27.1
3H	26.7	27.9	27.1	28.2	28.5	26.7	27.8	27.1	28.1	28.4
4H	27.3	28.3	27.7	28.7	29.0	27.3	28.3	27.6	28.6	28.9
6H	27.7	28.6	28.1	28.9	29.3	27.6	28.5	28.0	28.9	29.2
8H	27.8	28.6	28.2	29.0	29.4	27.7	28.5	28.1	28.9	29.3
12H	27.8	28.6	28.2	28.9	29.3	27.7	28.4	28.1	28.8	29.2
8H 4H	27.5	28.4	27.9	28.7	29.1	27.5	28.3	27.9	28.7	29.1
6H	28.0	28.7	28.4	29.1	29.5	27.9	28.6	28.4	29.0	29.4
8H	28.1	28.7	28.6	29.2	29.6	28.0	28.6	28.5	29.1	29.5
12H	28.2	28.7	28.6	29.1	29.6	28.1	28.6	28.5	29.0	29.5
12H 4H	27.5	28.3	27.9	28.7	29.1	27.5	28.2	27.9	28.6	29.0
6H	28.0	28.6	28.5	29.0	29.5	27.9	28.6	28.4	29.0	29.4
8H	28.2	28.7	28.6	29.1	29.6	28.1	28.6	28.5	29.0	29.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 2603 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.3361]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

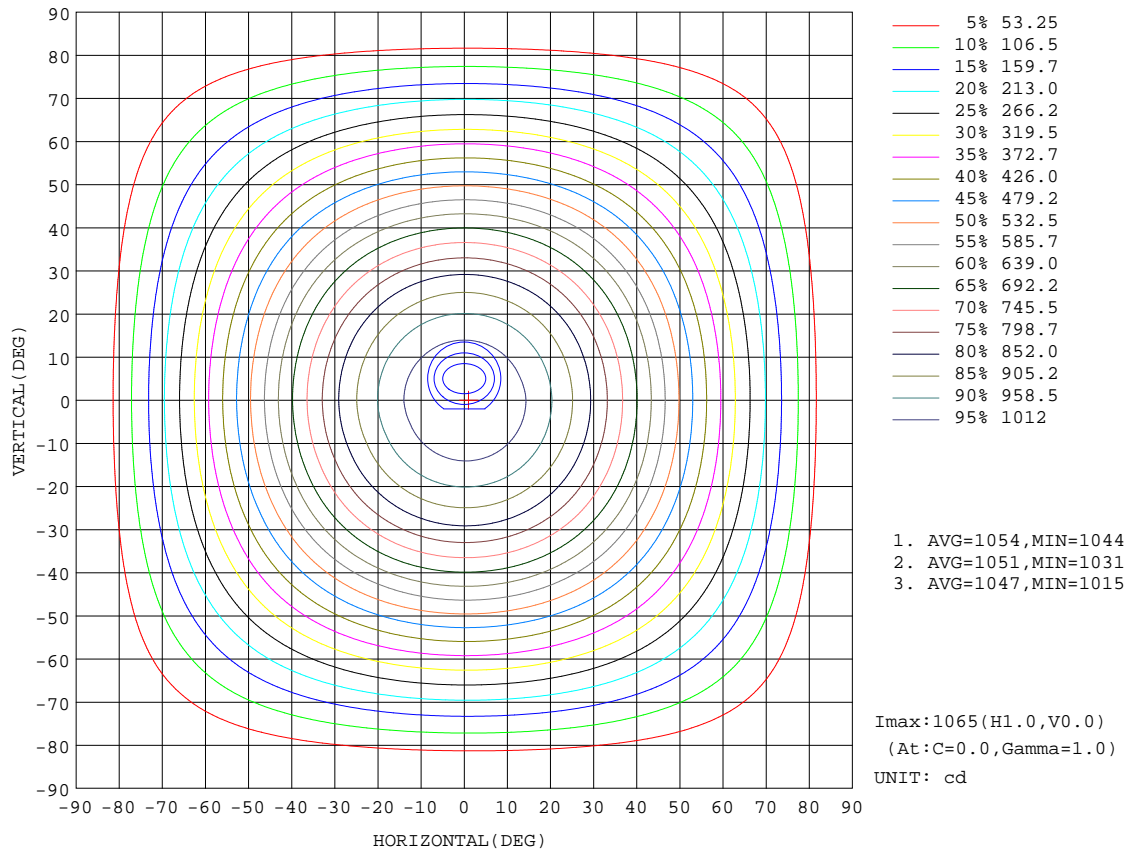
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	59	52	67	58	51	45
1.00	78	68	61	77	67	61	75	69	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	85	80	73
2.50	100	93	88	98	92	87	95	89	85	77
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

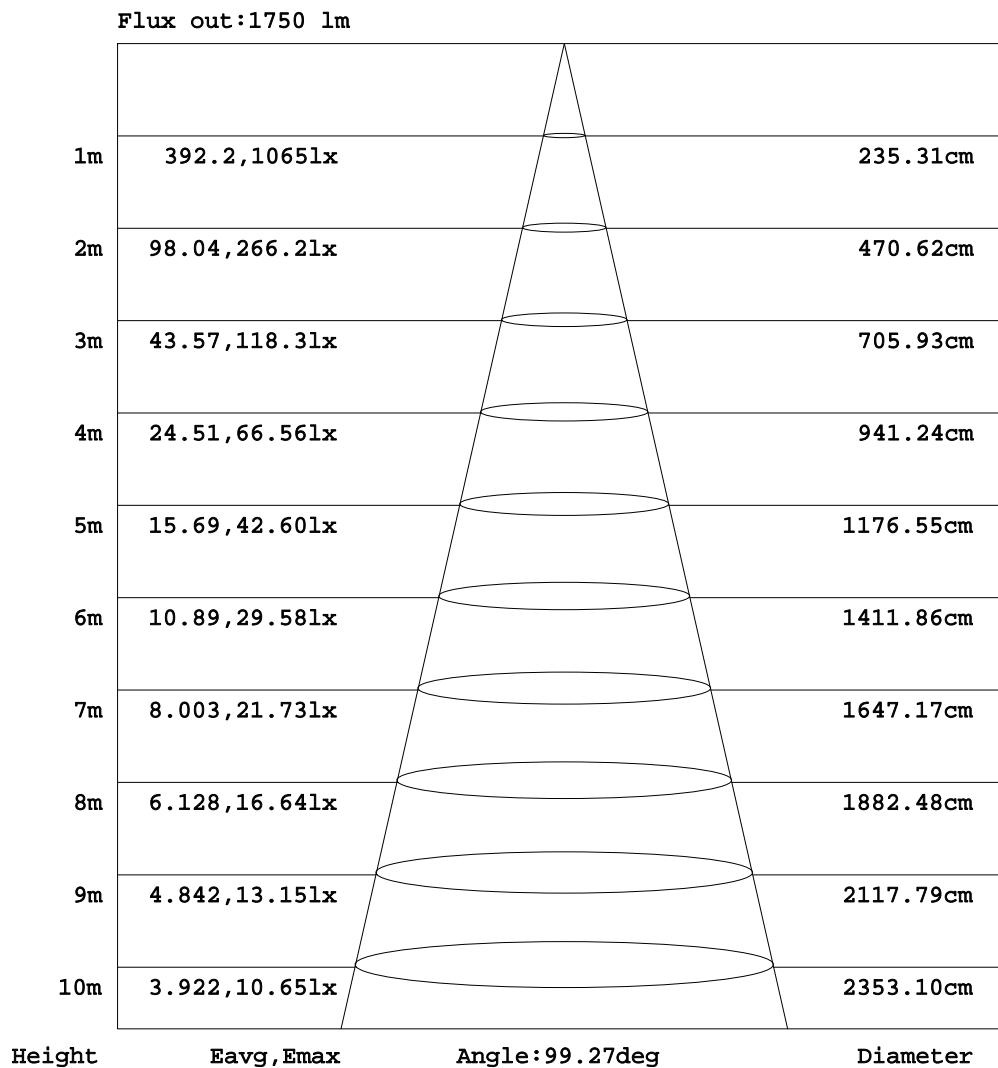


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

AAI Figure

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



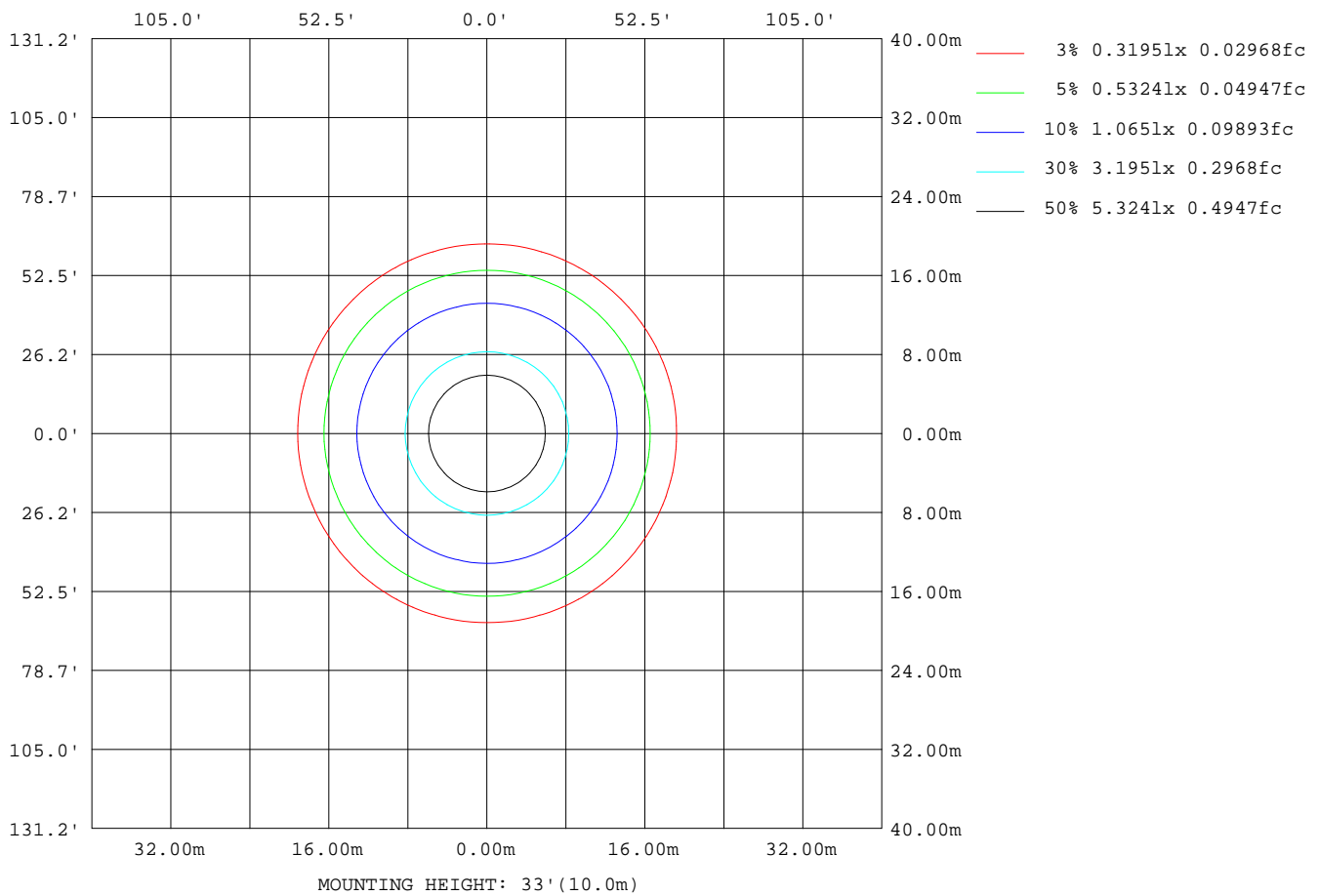
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

ISOLUX DIAGRAM

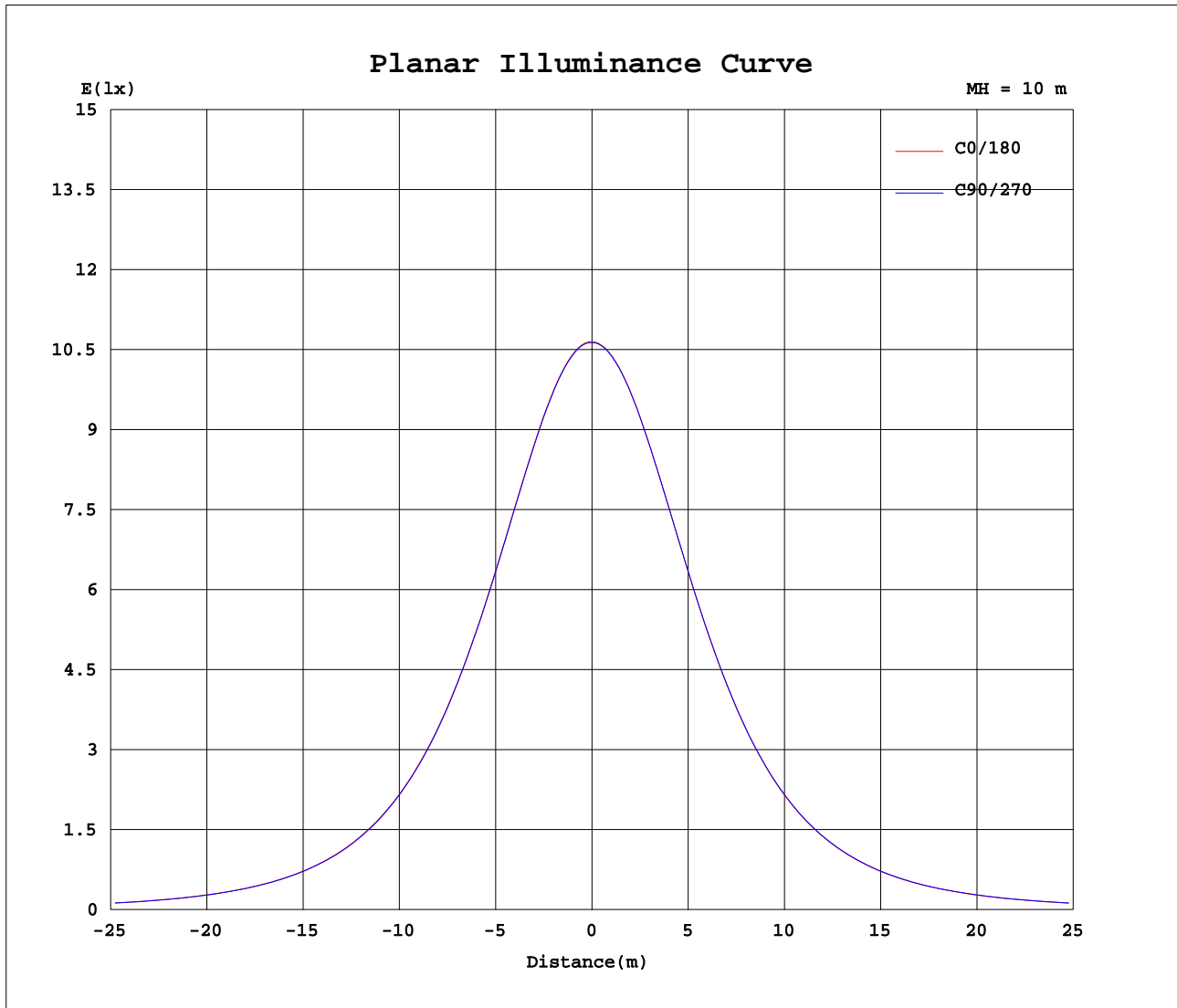
Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.3361]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2016-10-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.3361]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0901A P:19.16W PF:0.9664 Freq:50.00Hz Lamp Flux:2602.93x1 lm		
NAME: LED Down Light	TYPE:	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: 海润光电	SUR.:	Shielding Angle:N/A

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1065	1064	1064	1064	1063	1063	1063	1063	1065	1064	1064	1064	1063	1063	1063	1063			
5	1059	1059	1058	1058	1057	1057	1056	1056	1058	1057	1057	1057	1057	1056	1057	1057			
10	1039	1039	1039	1038	1037	1037	1036	1035	1037	1037	1037	1037	1036	1037	1037	1037			
15	1007	1006	1006	1006	1005	1003	1002	1002	1004	1004	1004	1004	1004	1004	1004	1004			
20	962	962	961	961	960	959	957	956	960	959	959	959	959	960	960	960			
25	907	907	906	906	904	903	902	901	904	904	905	905	905	905	906	906			
30	843	843	842	842	840	839	838	837	840	840	840	840	841	841	842	842			
35	772	772	771	771	769	768	766	764	768	768	768	769	769	770	770	771			
40	693	693	693	692	690	689	687	686	689	689	690	690	691	692	693	694			
45	612	612	611	610	608	607	606	604	608	608	608	609	610	611	612	613			
50	529	528	528	527	525	524	522	521	525	525	526	527	528	529	530	530			
55	446	445	445	443	442	440	439	438	443	443	444	445	446	446	447	447			
60	365	364	363	362	361	359	358	357	361	361	362	363	364	365	365	366			
65	286	286	285	283	282	281	279	278	282	283	283	284	285	286	287	287			
70	210	210	209	208	207	205	204	204	206	207	207	208	209	210	211	211			
75	140	139	139	138	136	135	134	133	135	136	137	138	138	139	140	140			
80	72.8	72.5	72.0	70.8	69.5	68.2	67.4	67.1	70.1	70.9	71.9	72.7	73.3	73.8	74.4	74.9			
85	18.6	18.6	17.8	15.6	13.6	13.5	14.8	15.4	16.7	17.2	17.3	16.3	16.0	17.4	19.1	19.6			
90	0.18	0.12	0.00	0.07	0.00	0.00	0.00	0.01	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.34	0.34	0.34	0.34	0.41	0.34			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.54	0.41	0.48	0.54	0.47	0.54	0.47			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.61	0.61	0.68	0.68	0.61	0.61	0.61			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.95	0.88	0.61	0.75	0.88	0.88	0.88			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.15	1.02	0.61	0.95	0.81	1.02	1.09			
120	0.00	0.07	0.00	0.00	0.00	0.00	0.07	0.00	1.36	1.29	1.15	0.61	1.02	0.81	1.15	1.29			
125	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	1.36	1.29	1.15	1.09	1.09	1.29	1.22	1.29			
130	0.07	0.07	0.00	0.00	0.14	0.00	0.00	0.00	1.36	1.36	1.15	1.36	1.42	1.42	1.29	1.29			
135	0.07	0.07	0.00	0.14	0.20	0.07	0.00	0.00	1.42	1.49	1.15	1.42	1.42	1.42	1.36	1.36			
140	0.13	0.13	0.00	0.47	0.41	0.34	0.00	0.07	1.42	1.49	1.15	1.42	1.42	1.42	1.49	1.42			
145	0.34	0.34	0.20	0.54	0.47	0.41	0.13	0.34	1.42	1.49	1.15	1.42	1.42	1.50	1.63	1.42			
150	0.54	0.54	0.47	0.95	0.74	0.61	0.34	0.41	1.42	1.49	1.15	1.42	1.42	1.83	1.90	1.42			
155	0.81	0.88	0.61	0.88	0.88	0.88	0.81	0.54	1.42	1.49	1.15	1.42	1.36	1.83	1.90	1.42			
160	0.95	1.02	0.61	0.88	0.81	0.95	0.88	0.61	1.42	1.49	1.15	1.42	1.36	1.83	1.97	1.42			
165	0.95	1.08	0.68	0.88	0.81	0.95	0.88	0.61	1.42	1.49	1.15	1.42	1.36	1.83	2.04	1.42			
170	1.08	1.15	1.08	1.35	1.29	1.15	1.08	1.22	1.42	1.49	1.15	1.42	1.36	1.83	2.03	1.42			
175	1.35	1.15	1.36	1.36	1.69	1.56	1.49	1.22	1.42	1.49	1.15	1.42	1.36	1.83	2.03	1.42			
180	1.42	1.15	1.36	1.36	1.90	1.69	1.42	1.29	1.42	1.42	1.15	1.42	1.36	1.83	1.83	1.42			

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 Temperature:24.5DEG
 Operators:Seth
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