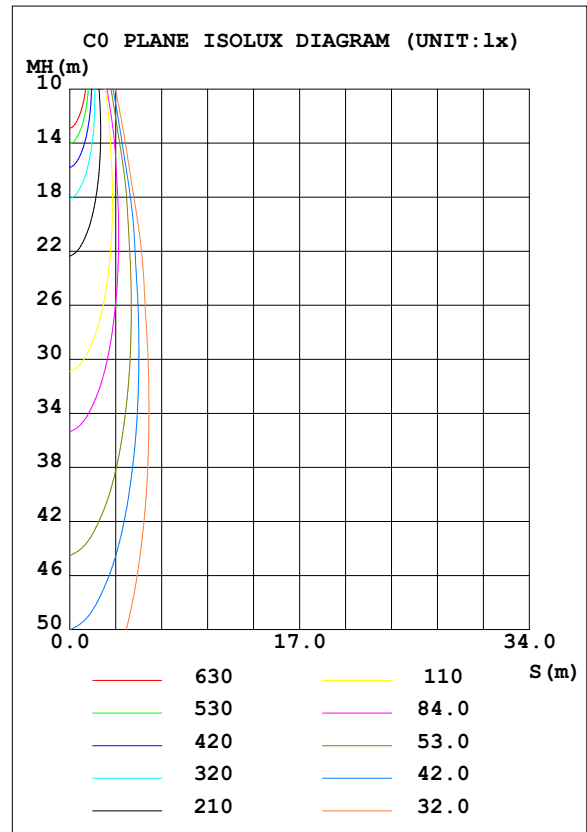
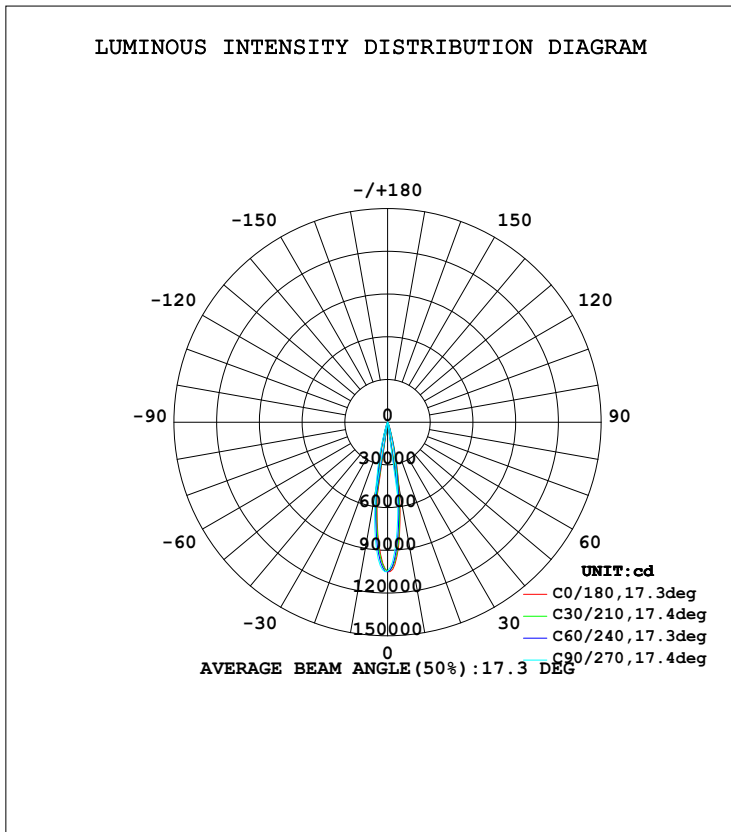


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: Ares Ledwash	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.37 lm/W
MODEL	ARES	I <sub>max</sub> (cd)	107029	S/MH (C0/180)	0.32	
NOMINAL POWER (W)	360	LOR (%)	100.0	S/MH (C90/270)	0.27	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	12458	η UP, DN (C0-180)	0.1, 54.2	
NOMINAL FLUX (lm)	12457.7	CIE CLASS	DIRECT	UP, DN (C180-360)	0.2, 45.5	
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	220	η down (%)	99.7	CIBSE SHR MAX	1.00	



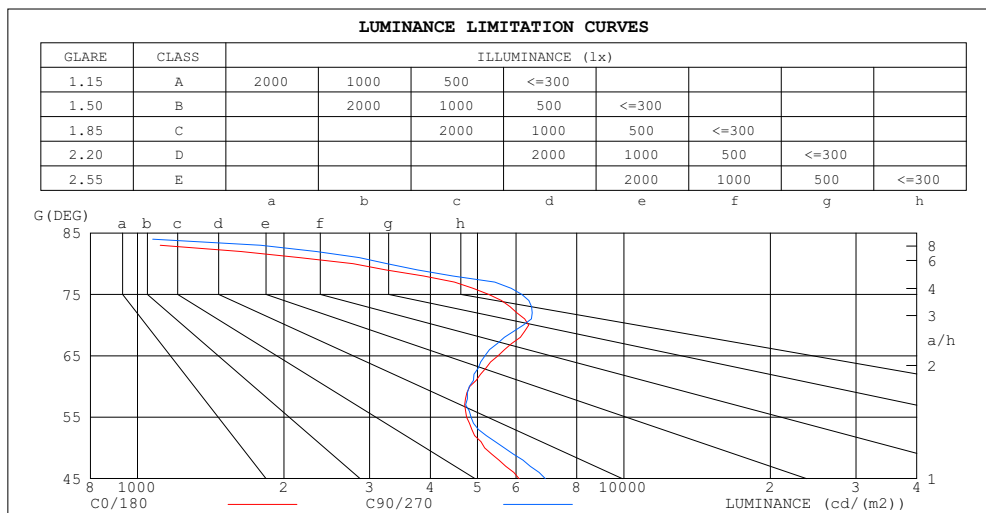
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operator: Bill  
 Test Date: 2016-01-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity: 55.2%  
 Test Distance: 30.000m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	369.9	411.1	485.6	546.0	461.2	416.0	356.7	314.8	0- 10	6595	6595	52.9, 52.9
20	29.89	30.93	40.06	51.09	42.91	38.92	30.90	25.09	10- 20	4235	10830	86.9, 86.9
30	7.008	7.402	8.726	9.800	9.289	8.695	7.598	6.432	20- 30	769.1	11599	93.1, 93.1
40	2.914	2.890	3.393	3.452	3.512	3.187	3.175	2.736	30- 40	310.2	11909	95.6, 95.6
50	1.746	1.719	1.917	1.960	1.965	1.763	1.721	1.619	40- 50	186.0	12095	97.1, 97.1
60	1.266	1.164	1.263	1.279	1.310	1.159	1.190	1.118	50- 60	131.1	12227	98.1, 98.1
70	1.144	0.9605	1.115	1.021	1.216	0.8995	0.9927	0.8718	60- 70	112.5	12339	99, 99
80	0.2530	0.2353	0.2971	0.3806	0.3756	0.2437	0.1869	0.1426	70- 80	72.67	12412	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	6.492	12418	99.7, 99.7
100	0	0	0	0	0	0	0	0	90-100	0	12418	99.7, 99.7
110	0	0	0	0	0	0	0	0	100-110	0	12418	99.7, 99.7
120	0	0	0	0	0	0	0	0	110-120	0.0018	12418	99.7, 99.7
130	0	0	0	0	0.0028	0.0000	0.0030	0.0020	120-130	0.0325	12418	99.7, 99.7
140	0	0	0.0010	0	0.0095	0.0029	0.0121	0.0079	130-140	0.1829	12418	99.7, 99.7
150	0.0543	0.0223	0.0282	0.0079	0.0632	0.0430	0.0679	0.0647	140-150	1.075	12420	99.7, 99.7
160	0.3054	0.3936	0.3437	0.2331	0.5035	0.4959	0.6577	0.5782	150-160	8.708	12428	99.8, 99.8
170	0.4799	0.6921	0.7987	0.6157	1.272	1.019	1.545	1.201	160-170	19.98	12448	99.9, 99.9
180	0.9565	0.8695	1.059	0.7103	0.9402	0.7731	1.087	0.8259	170-180	9.459	12458	100, 100
DEG	LUMINOUS INTENSITY:×100cd Less than 25% Percent = 1.5 %								UNIT:lm			



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	334	661
80	2775	3259
75	5270	6168
70	6373	6211
65	5515	5182
60	4823	4810
55	4748	4850
50	5175	5680
45	6090	6894

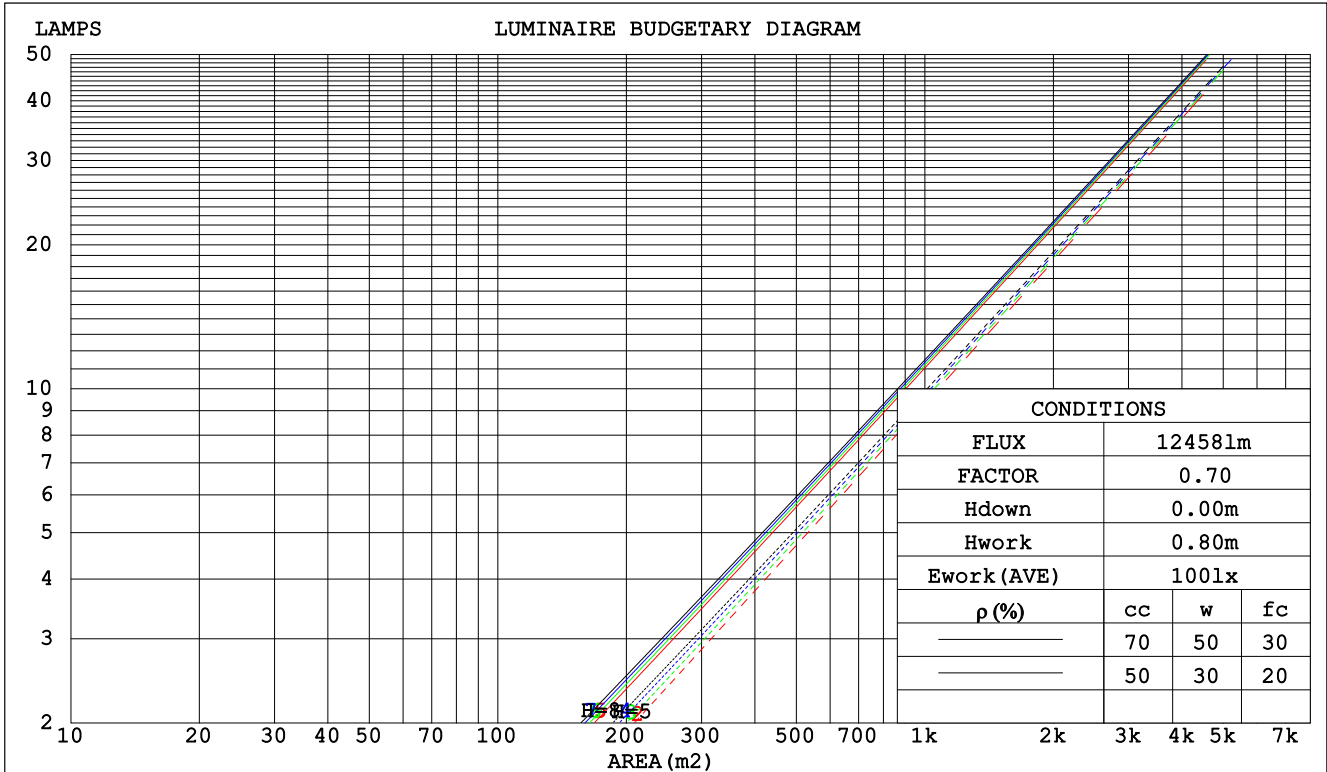
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.5DEG  
Operators: Bill  
Test Date: 2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
Humidity: 55.2%  
Test Distance: 30.000m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.03	1.01	.00	1.00	.99	.97	.98	.97	.95	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.94	.00	.96	.94	.98	.95	.93	.96	.93	.91	.94	.92	.90	.89
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.87	.91	.88	.87	.86
7.0	.93	.89	.86	.92	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
8.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.86	.84	.88	.85	.83	.82
9.0	.89	.85	.83	.88	.85	.83	.87	.84	.82	.87	.84	.82	.86	.84	.82	.81
10.0	.87	.83	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.85	.82	.80	.80



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.132	.075	.024	.125	.071	.023	.112	.064	.021	.101	.058	.019	.090	.052	.017	
2.0	.121	.066	.020	.115	.063	.020	.105	.058	.018	.095	.054	.017	.087	.049	.015	
3.0	.111	.059	.018	.106	.057	.017	.098	.053	.016	.090	.049	.015	.083	.046	.014	
4.0	.103	.053	.016	.099	.052	.015	.092	.049	.015	.085	.046	.014	.079	.043	.013	
5.0	.096	.049	.014	.092	.047	.014	.086	.045	.013	.081	.042	.013	.075	.040	.012	
6.0	.089	.045	.013	.087	.044	.013	.081	.042	.012	.076	.040	.012	.072	.038	.011	
7.0	.084	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.011	
8.0	.079	.039	.011	.077	.038	.011	.073	.037	.010	.070	.035	.010	.066	.034	.010	
9.0	.075	.036	.010	.073	.036	.010	.070	.035	.010	.067	.033	.010	.064	.032	.009	
10.0	.071	.034	.010	.070	.034	.009	.067	.033	.009	.064	.032	.009	.061	.031	.009	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.170	.160	.151	.146	.137	.130	.100	.095	.090	.057	.055	.052	.018	.018	.017	
2.0	.152	.135	.121	.130	.116	.105	.089	.081	.073	.051	.047	.043	.016	.015	.014	
3.0	.136	.116	.099	.117	.100	.086	.080	.069	.060	.046	.040	.036	.015	.013	.012	
4.0	.123	.100	.083	.106	.087	.072	.073	.060	.051	.042	.035	.030	.014	.012	.010	
5.0	.112	.088	.070	.096	.076	.061	.066	.053	.043	.038	.031	.025	.012	.010	.008	
6.0	.103	.078	.060	.088	.067	.052	.061	.047	.037	.035	.028	.022	.011	.009	.007	
7.0	.095	.069	.051	.081	.060	.045	.056	.042	.032	.033	.025	.019	.011	.008	.006	
8.0	.088	.062	.045	.075	.054	.039	.052	.038	.028	.030	.022	.017	.010	.007	.005	
9.0	.082	.056	.039	.070	.049	.034	.049	.034	.024	.028	.020	.015	.009	.007	.005	
10.0	.076	.051	.035	.066	.045	.030	.046	.031	.022	.027	.019	.013	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm										
NAME: LED WASH LIGHT					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:01		
MFR.: CLF Lighting BV					SUR.:0.35*0.15			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	9.8	10.3	10.0	10.5	10.6	9.9	10.5	10.1	10.6	10.8
3H	12.0	12.6	12.3	12.8	12.9	11.9	12.5	12.1	12.6	12.8
4H	12.8	13.3	13.1	13.5	13.8	12.9	13.4	13.2	13.6	13.9
6H	13.1	13.6	13.4	13.8	14.1	13.3	13.8	13.6	14.0	14.2
8H	13.1	13.6	13.4	13.8	14.1	13.3	13.8	13.6	14.0	14.3
12H	13.0	13.5	13.3	13.8	14.0	13.2	13.7	13.6	14.0	14.2
4H 2H	10.4	10.9	10.7	11.1	11.4	10.5	11.0	10.7	11.2	11.4
3H	12.9	13.3	13.2	13.6	13.9	12.8	13.2	13.1	13.5	13.8
4H	13.7	14.1	14.0	14.4	14.7	13.8	14.3	14.2	14.6	14.9
6H	14.0	14.4	14.4	14.7	15.1	14.2	14.6	14.6	15.0	15.3
8H	14.0	14.4	14.4	14.7	15.1	14.2	14.6	14.6	15.0	15.3
12H	13.9	14.3	14.3	14.6	15.0	14.2	14.5	14.6	14.9	15.3
8H 4H	13.9	14.3	14.3	14.6	15.0	14.0	14.4	14.4	14.8	15.1
6H	14.2	14.5	14.7	14.9	15.3	14.5	14.8	14.9	15.2	15.6
8H	14.2	14.5	14.7	14.9	15.3	14.5	14.7	14.9	15.2	15.6
12H	14.2	14.4	14.6	14.8	15.3	14.4	14.7	14.9	15.1	15.6
12H 4H	13.9	14.2	14.3	14.6	15.0	14.0	14.3	14.4	14.7	15.1
6H	14.2	14.5	14.6	14.9	15.3	14.4	14.7	14.9	15.1	15.6
8H	14.2	14.4	14.6	14.9	15.3	14.4	14.7	14.9	15.1	15.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.3				

CIE Pub.117 Corrected 12458 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.8)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	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	89	83	79	88	83	79	88	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
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:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

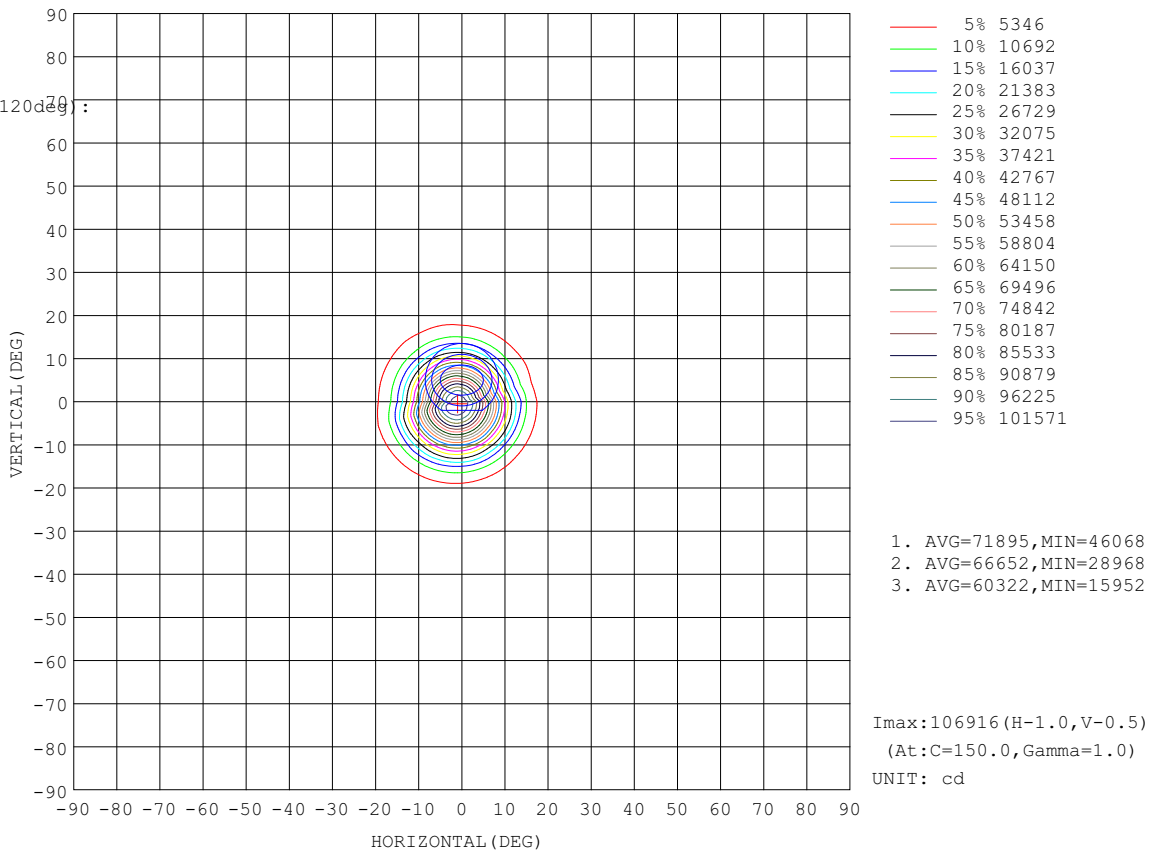
Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

Conical surface Flux(90deg):

12011 lm  
 %lum = 96.4%  
 %lamp = 96.4%

Conical surface Flux(120deg):

12227 lm  
 %lum = 98.1%  
 %lamp = 98.1%



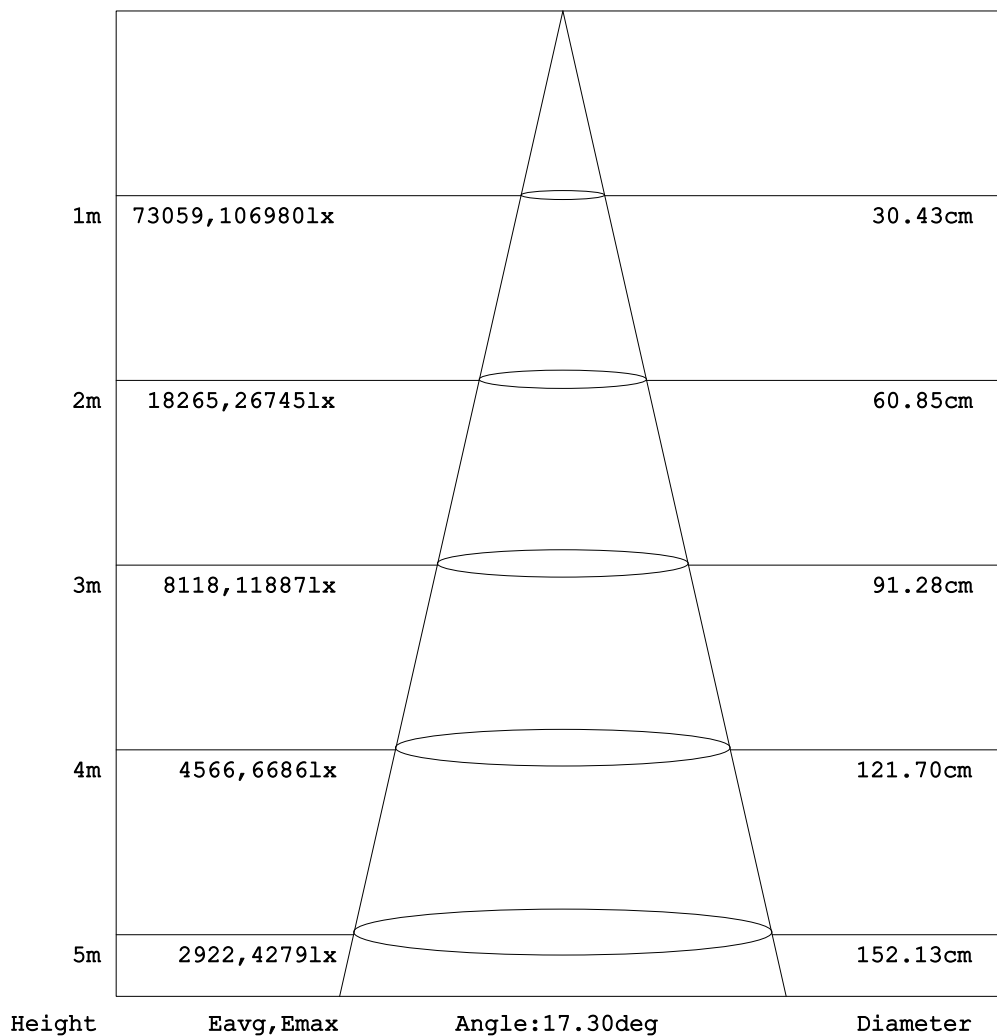
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

Flux out:5758 lm



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

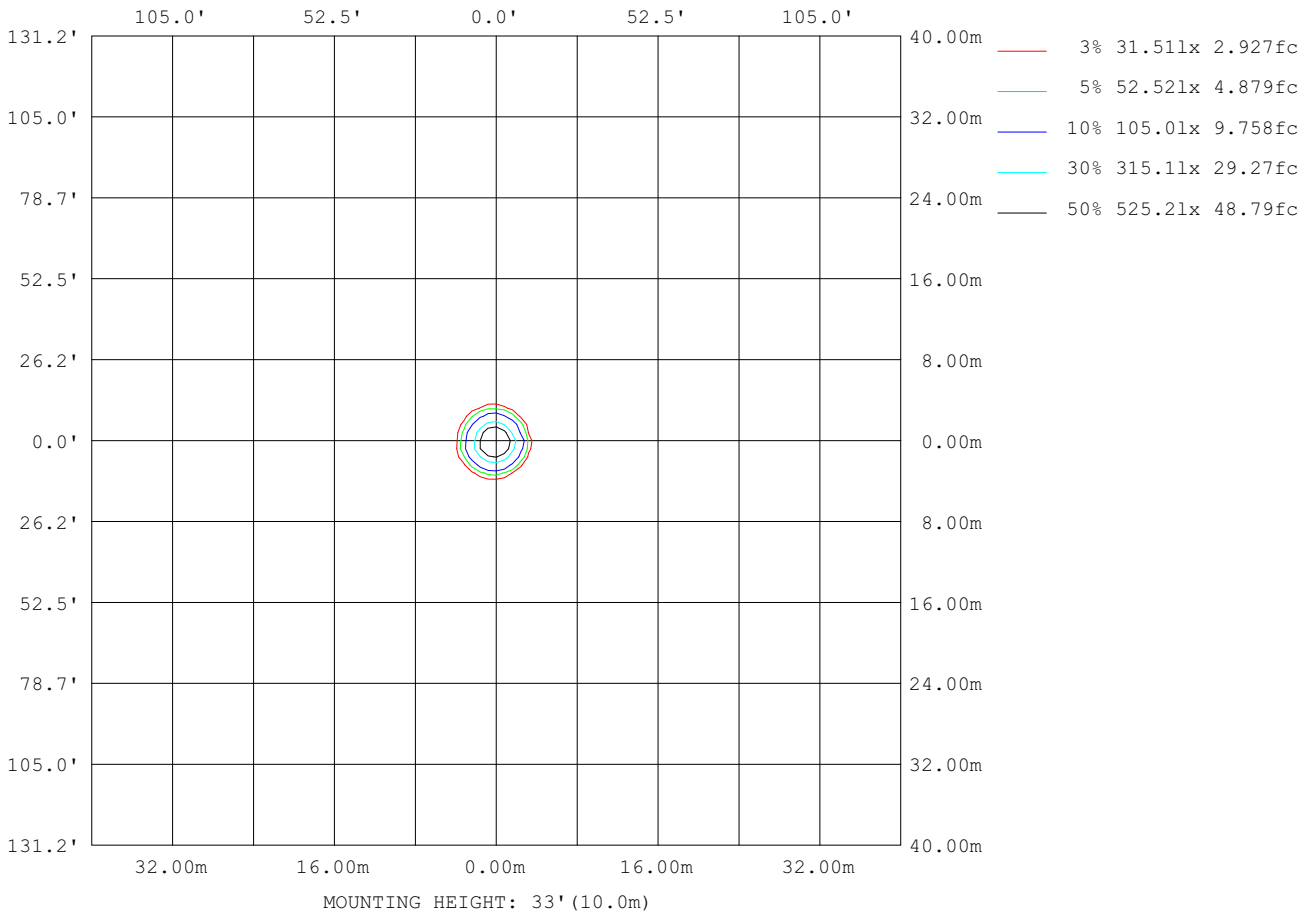
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

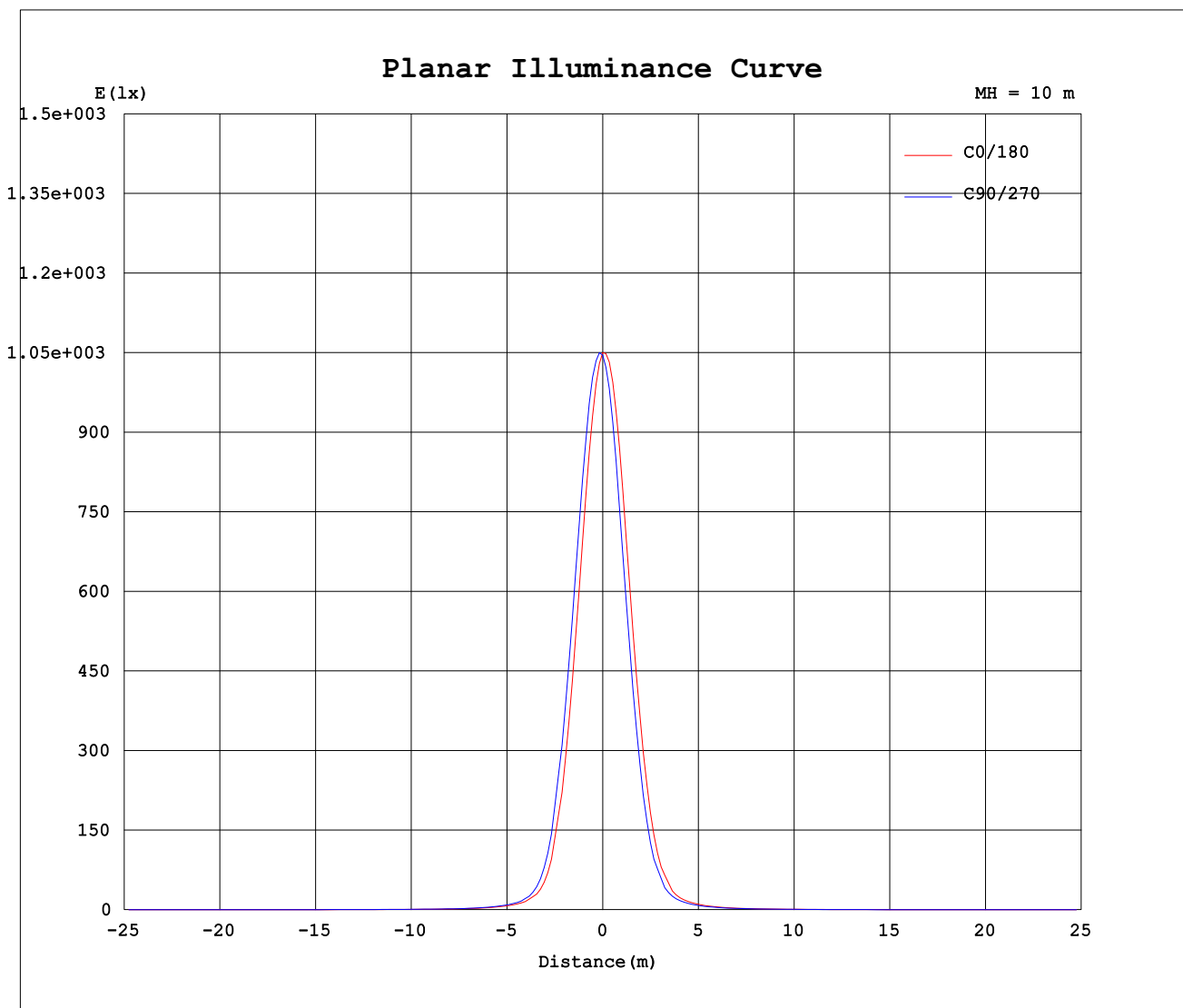
AvgL	cd/m2
L_0~180 (65) av	5592
L_0~180 (75) av	5883
L_0~180 (85) av	595
L_90~270 (65) av	5063
L_90~270 (75) av	5493
L_90~270 (85) av	331
L_45 (65) av	4639
L_45 (75) av	4857
L_45 (85) av	422

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operator: Bill  
 Test Date: 2016-01-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity: 55.2%  
 Test Distance: 30.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

Table--1

UNIT: ×100cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1050	1043	1045	1048	1051	1050	1045	1051	1048	1045	1051	1047	1050	1043	1045	1048	1051	1050	1045
5	790	801	808	830	853	878	896	926	942	953	965	962	882	873	860	840	821	799	766
10	370	383	397	411	438	459	486	511	530	546	557	557	461	454	437	416	399	377	357
15	106	111	116	123	134	146	159	172	195	205	211	213	157	152	146	134	126	116	106
20	29.9	30.5	29.6	30.9	33.4	36.1	40.1	43.9	47.6	51.1	53.7	54.6	42.9	42.9	41.4	38.9	36.5	33.9	30.9
25	12.5	12.8	13.1	13.3	14.1	14.9	15.9	16.8	17.8	18.7	19.7	20.5	17.7	17.6	16.8	16.2	15.4	14.6	13.8
30	7.01	7.13	7.27	7.40	7.76	8.17	8.73	9.10	9.35	9.80	10.3	10.4	9.29	9.26	9.05	8.70	8.19	7.96	7.60
35	4.21	4.23	4.20	4.24	4.45	4.71	5.04	5.18	5.31	5.40	5.62	5.76	5.36	5.29	5.03	4.81	4.77	4.75	4.62
40	2.91	2.94	2.90	2.89	3.02	3.20	3.39	3.44	3.43	3.45	3.60	3.71	3.51	3.48	3.28	3.19	3.18	3.23	3.18
45	2.26	2.29	2.25	2.22	2.33	2.44	2.56	2.58	2.57	2.53	2.62	2.69	2.61	2.57	2.47	2.33	2.38	2.42	2.40
50	1.75	1.76	1.75	1.72	1.79	1.85	1.92	1.99	1.97	1.96	2.02	2.10	1.96	1.95	1.85	1.76	1.80	1.77	1.72
55	1.43	1.42	1.42	1.39	1.41	1.43	1.46	1.50	1.51	1.54	1.59	1.63	1.55	1.54	1.48	1.41	1.36	1.38	1.36
60	1.27	1.26	1.24	1.16	1.17	1.22	1.26	1.26	1.24	1.28	1.33	1.37	1.31	1.31	1.24	1.16	1.16	1.19	1.19
65	1.22	1.21	1.18	1.02	1.09	1.13	1.15	1.16	1.14	1.10	1.22	1.27	1.26	1.20	1.18	1.02	1.05	1.10	1.10
70	1.14	1.14	1.03	0.96	1.01	1.09	1.12	1.10	1.10	1.02	1.12	1.23	1.22	1.19	1.00	0.90	0.97	0.99	0.99
75	0.72	0.71	0.62	0.66	0.71	0.79	0.84	0.87	0.81	0.81	0.83	1.03	0.88	0.85	0.69	0.66	0.64	0.67	0.65
80	0.25	0.24	0.22	0.24	0.24	0.26	0.30	0.31	0.36	0.38	0.38	0.47	0.38	0.33	0.27	0.24	0.19	0.20	0.19
85	0.02	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.07	0.07	0.04	0.03	0.02	0.01	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
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	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
135	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	0.01
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01
145	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.01	0.02	0.02	0.02
150	0.05	0.05	0.07	0.02	0.04	0.04	0.03	0.03	0.03	0.01	0.03	0.03	0.06	0.05	0.06	0.04	0.04	0.06	0.07
155	0.16	0.18	0.21	0.15	0.15	0.14	0.13	0.12	0.11	0.06	0.14	0.09	0.22	0.19	0.21	0.17	0.09	0.20	0.24
160	0.31	0.38	0.42	0.39	0.27	0.37	0.34	0.32	0.24	0.23	0.33	0.24	0.50	0.47	0.46	0.50	0.33	0.54	0.66
165	0.42	0.53	0.61	0.62	0.40	0.64	0.62	0.59	0.42	0.49	0.53	0.46	0.87	0.91	0.76	0.89	0.88	0.99	1.22
170	0.48	0.54	0.68	0.69	0.57	0.79	0.80	0.76	0.58	0.62	0.64	0.49	1.27	1.22	1.19	1.02	1.36	1.48	1.55
175	0.64	0.70	0.69	0.74	0.72	0.89	0.91	0.84	0.68	0.67	0.65	0.68	1.31	1.33	1.26	1.01	1.28	1.45	1.41
180	0.96	0.94	0.76	0.87	1.04	1.07	1.06	1.01	0.75	0.71	0.70	0.86	0.94	0.95	0.95	0.77	0.92	1.07	1.09

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:Bill  
Test Date:2016-01-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
Humidity:55.2%  
Test Distance:30.000m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:1.741A P:373.3W PF:0.9782 Lamp Flux:12457.7x1 lm		
NAME: LED WASH LIGHT	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:01
MFR.: CLF Lighting BV	SUR.:0.35*0.15	Shielding Angle:

Table--2

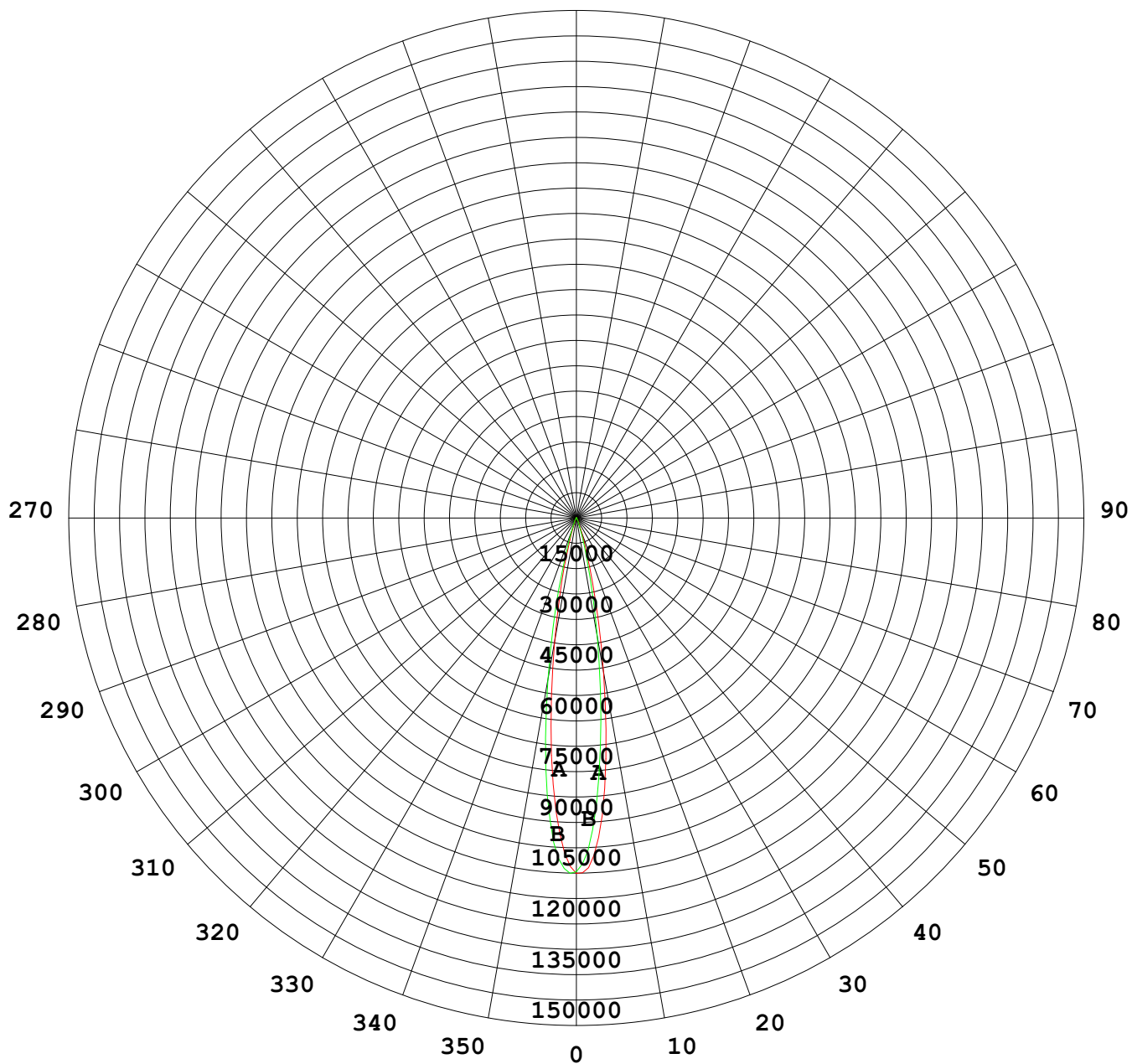
UNIT: ×100cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	1051	1048	1045	1051	1047														
5	753	736	727	723	720														
10	339	324	315	311	308														
15	98.8	91.6	87.0	93.0	88.5														
20	28.5	26.5	25.1	24.2	23.9														
25	13.1	12.3	11.7	11.5	11.4														
30	7.18	6.78	6.43	6.40	6.36														
35	4.34	4.06	3.90	3.90	3.89														
40	3.00	2.84	2.74	2.76	2.80														
45	2.30	2.19	2.12	2.17	2.19														
50	1.68	1.65	1.62	1.65	1.69														
55	1.33	1.31	1.32	1.35	1.39														
60	1.15	1.12	1.12	1.22	1.26														
65	1.06	1.03	0.98	1.14	1.20														
70	0.97	0.90	0.87	0.89	1.06														
75	0.61	0.54	0.51	0.48	0.60														
80	0.16	0.14	0.14	0.14	0.15														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.01	0.00	0.00	0.01	0.01														
140	0.01	0.01	0.01	0.02	0.01														
145	0.02	0.02	0.02	0.04	0.04														
150	0.07	0.05	0.06	0.11	0.11														
155	0.25	0.16	0.24	0.32	0.32														
160	0.68	0.49	0.58	0.67	0.64														
165	1.26	1.03	0.93	1.04	1.03														
170	1.59	1.38	1.20	1.24	1.27														
175	1.42	1.28	1.23	1.08	1.03														
180	1.09	1.01	0.83	0.77	0.74														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Bill  
 Test Date:2016-01-25

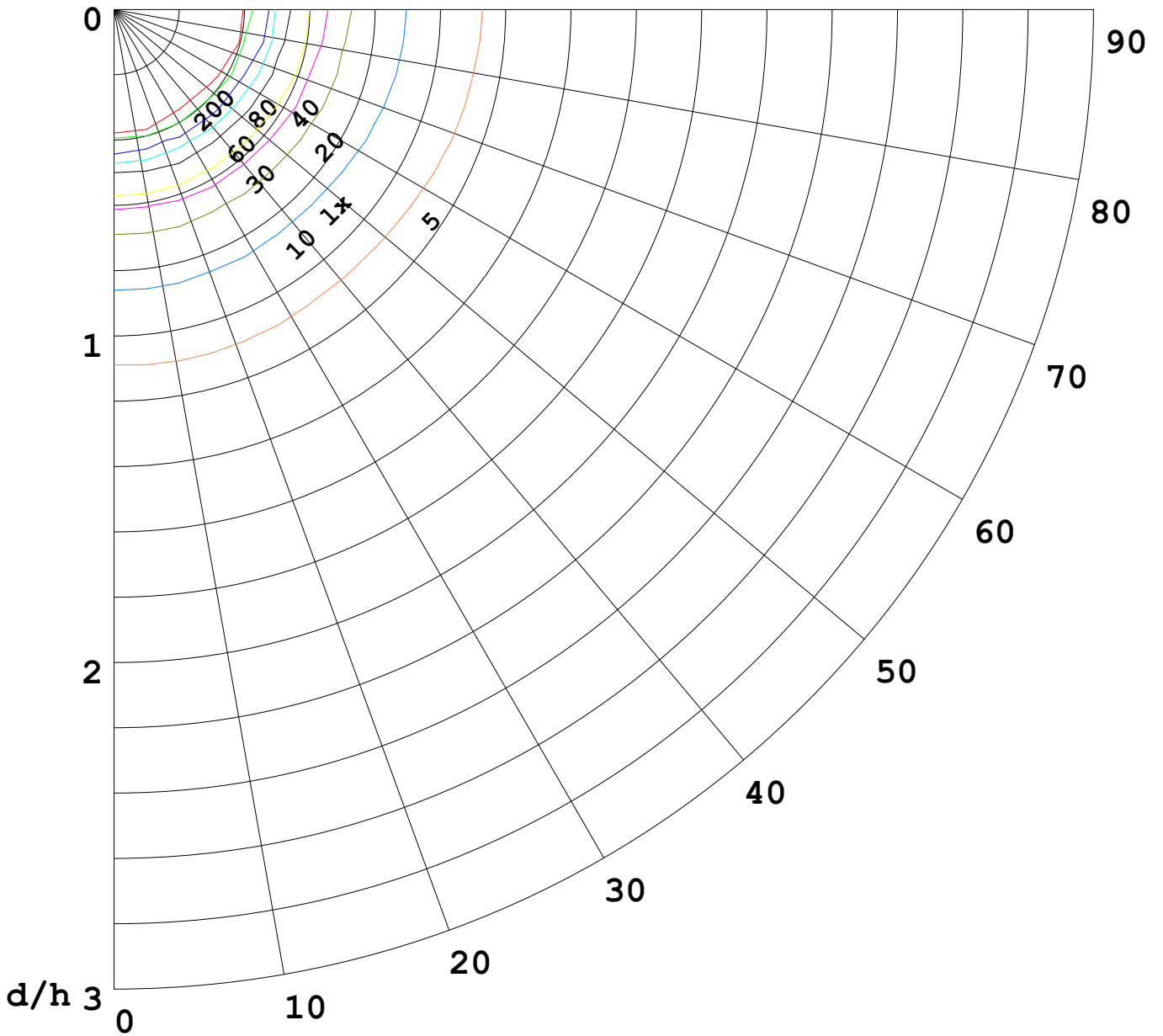
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:55.2%  
 Test Distance:30.000m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$



F = 12458 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

