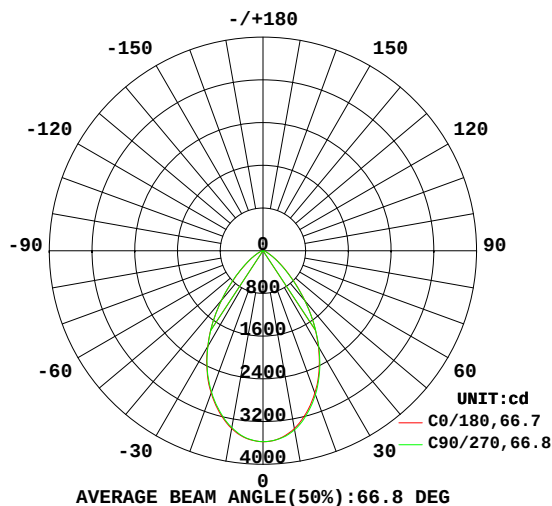


LUMINAIRE PHOTOMETRIC TEST REPORT

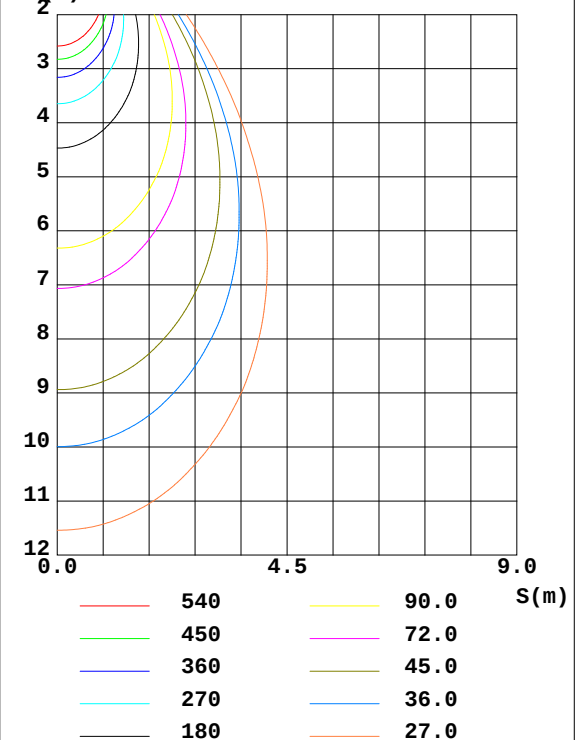
Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.86 lm/W			
MODEL	2835 96 3000K	I _{max} (cd)	3577	S/MH(C0/180)	0.96
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.95
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	4454.0	η UP, DN(C0-180)	0.0, 50.6
NOMINAL FLUX(lm)	4454	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.05

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

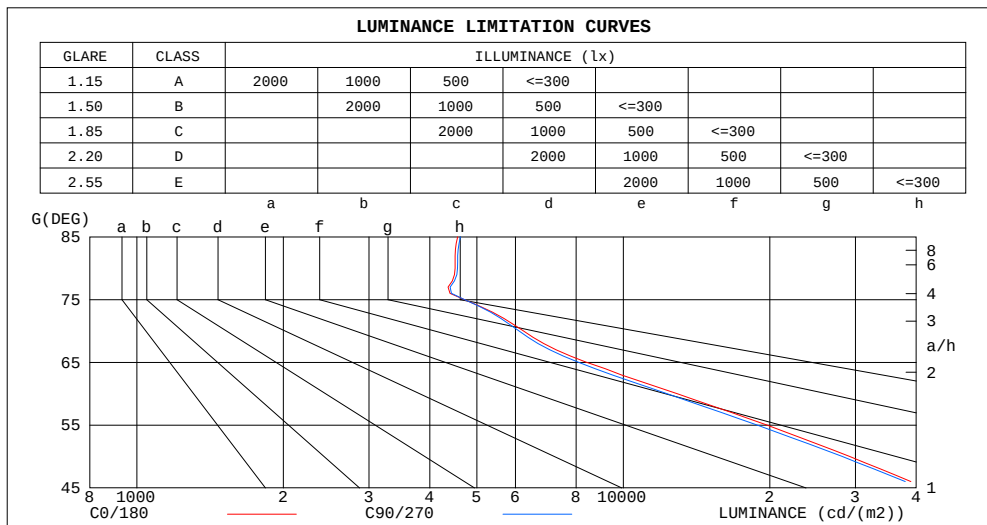
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3382	3411	3406	3411	3381	3363	3363	3362	0- 10	332.4	332.4	7.46, 7.46
20	2838	2867	2870	2879	2836	2815	2818	2810	10- 20	880.5	1213	27.2, 27.2
30	2080	2097	2094	2104	2073	2055	2066	2056	20- 30	1135	2348	52.7, 52.7
40	1222	1229	1212	1225	1204	1194	1212	1202	30- 40	1023	3372	75.7, 75.7
50	529.0	529.6	513.9	520.3	509.4	508.9	523.8	515.9	40- 50	640.4	4012	90.1, 90.1
60	181.9	181.8	174.5	177.9	175.0	173.6	179.1	176.3	50- 60	287.8	4300	96.5, 96.5
70	60.11	60.50	59.24	59.76	58.77	57.63	58.90	57.96	60- 70	103.5	4403	98.9, 98.9
80	22.09	22.76	22.48	22.83	21.68	21.23	21.37	20.79	70- 80	38.70	4442	99.7, 99.7
90	1.237	1.283	1.256	1.332	0.4762	0.4779	0.4675	0.4609	80- 90	11.92	4454	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4563	4626
80	4511	4563
75	4708	4713
70	6231	6103
65	8399	8090
60	12901	12299
55	19727	18849
50	29178	28174
45	41827	40762

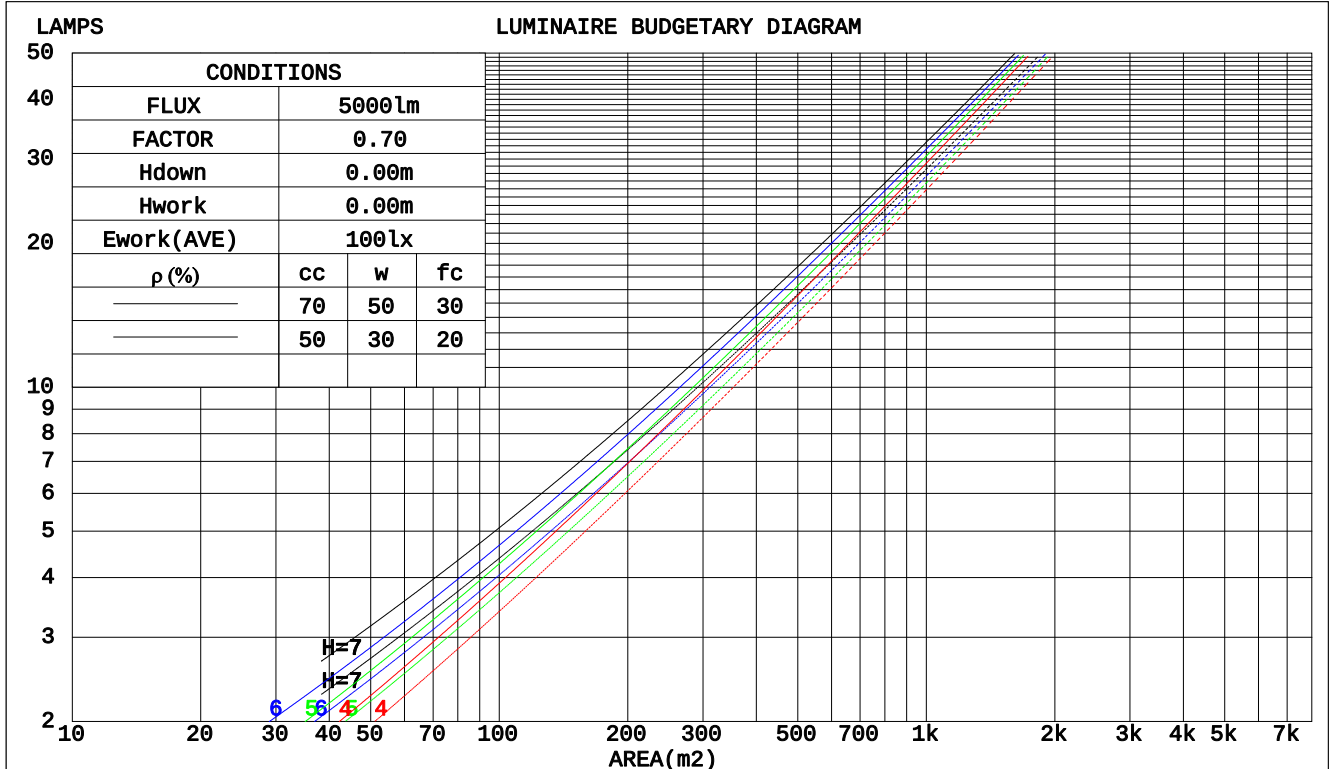
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding 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	1.19	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	1.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.90	.95	.91	.98	.93	.90	.95	.91	.88	.91	.88	.86	.89	.86	.84	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.83	.76	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.72	.68	.64	.71	.67	.63	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.52
8.0	.62	.55	.50	.61	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.57	.51	.46	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.45	.44
10.0	.54	.47	.43	.53	.47	.43	.52	.47	.43	.52	.46	.42	.51	.46	.42	.41



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm					
NAME: DL3008-WHTC35S03			TYPE:		WEIGHT:
SPEC.: white RA90 3000K+5700K			DIM.:		SERIAL No.:
MFR.:			SUR.: 190mm		Shielding 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.210	.120	.038	.204	.116	.037	.191	.109	.035	.179	.103	.033	.168	.098	.031		
2.0	.203	.112	.034	.198	.109	.034	.187	.104	.032	.177	.099	.031	.167	.095	.030		
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028		
4.0	.184	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026		
5.0	.175	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.151	.080	.024		
6.0	.166	.083	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023	.144	.076	.023		
7.0	.157	.078	.022	.154	.077	.022	.149	.075	.022	.143	.074	.021	.138	.072	.021		
8.0	.150	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.133	.068	.020		
9.0	.143	.069	.019	.140	.068	.019	.136	.067	.019	.131	.066	.019	.127	.065	.019		
10.0	.136	.065	.018	.134	.065	.018	.130	.063	.018	.126	.062	.018	.122	.061	.018		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.142	.148	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.040	.024	.012	.013	.008	.004	
9.0	.109	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm										
NAME: DL3008-WHTC35S03					TYPE:			WEIGHT:		
SPEC.: white RA90 3000K+5700K					DIM.:			SERIAL No.:		
MFR.:					SUR.: 190mm			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	17.0	18.2	17.2	18.3	18.5	16.9	18.0	17.1	18.2	18.4
3H	17.0	18.0	17.3	18.3	18.5	16.9	17.9	17.2	18.2	18.4
4H	17.0	18.0	17.3	18.2	18.4	16.9	17.9	17.2	18.1	18.3
6H	16.9	17.9	17.2	18.1	18.4	16.8	17.8	17.1	18.0	18.3
8H	16.9	17.8	17.2	18.1	18.3	16.8	17.7	17.1	18.0	18.2
12H	16.9	17.7	17.2	18.0	18.3	16.8	17.6	17.1	17.9	18.2
4H 2H	16.9	17.9	17.2	18.1	18.4	16.8	17.8	17.1	18.0	18.3
3H	17.0	17.8	17.3	18.1	18.4	16.9	17.7	17.2	18.0	18.3
4H	17.0	17.7	17.3	18.0	18.4	16.9	17.6	17.2	18.0	18.3
6H	17.0	17.6	17.3	18.0	18.3	16.9	17.6	17.3	17.9	18.2
8H	17.0	17.6	17.4	17.9	18.3	16.9	17.5	17.3	17.9	18.2
12H	16.9	17.5	17.4	17.9	18.3	16.9	17.4	17.3	17.8	18.2
8H 4H	16.9	17.5	17.3	17.9	18.2	16.8	17.4	17.2	17.8	18.1
6H	16.9	17.4	17.3	17.8	18.2	16.8	17.3	17.3	17.7	18.2
8H	16.9	17.4	17.4	17.8	18.2	16.8	17.3	17.3	17.7	18.2
12H	16.9	17.3	17.4	17.8	18.2	16.9	17.2	17.3	17.7	18.2
12H 4H	16.8	17.4	17.3	17.8	18.2	16.8	17.3	17.2	17.7	18.1
6H	16.9	17.3	17.3	17.8	18.2	16.8	17.2	17.2	17.7	18.1
8H	16.9	17.3	17.4	17.7	18.2	16.8	17.2	17.3	17.7	18.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.6 / - 2.8					+ 1.6 / - 2.9				
1.5H	+ 1.8 / - 2.1					+ 1.9 / - 2.1				
2.0H	+ 3.3 / - 3.4					+ 3.3 / - 3.4				

CIE Pub.117, 4454 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.2)
Area: 0.02835 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:

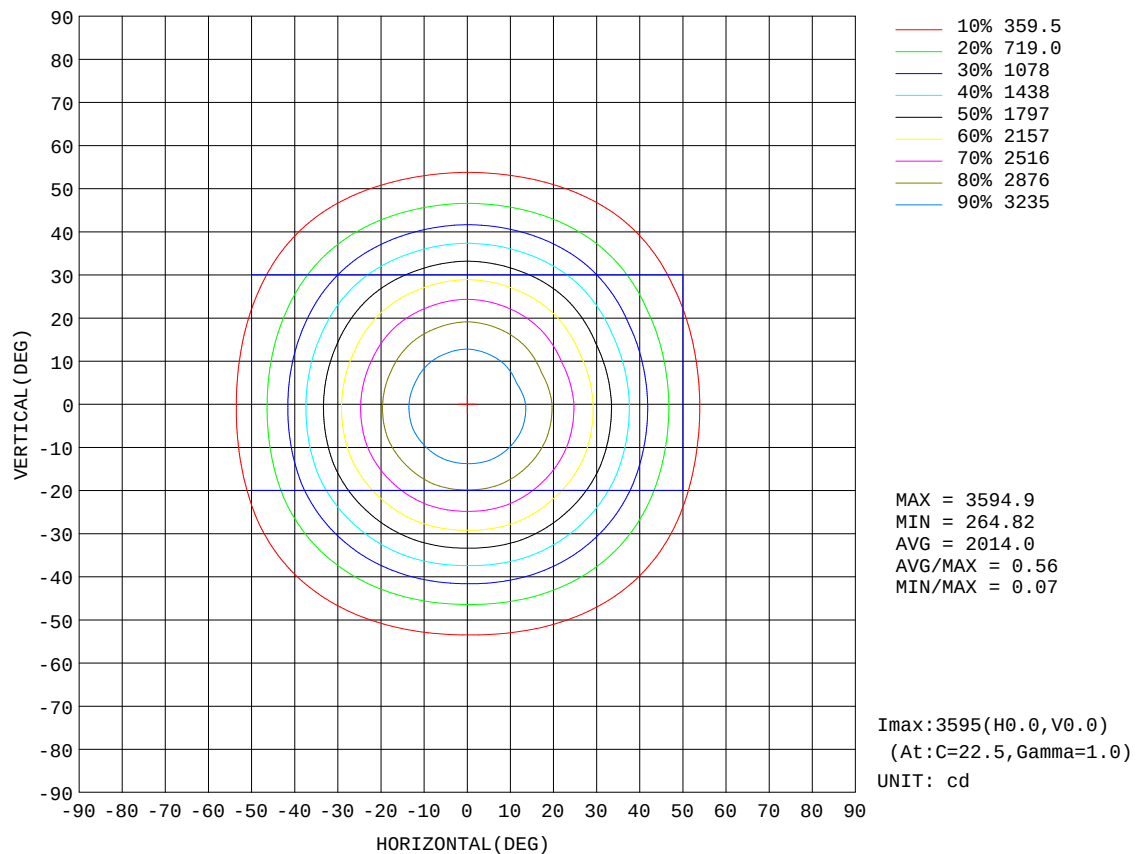
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	75	68	63	75	67	62	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	86	96	90	85	94	88	84	79
1.50	101	94	90	99	94	89	97	92	88	83
2.00	105	99	95	103	98	95	100	96	93	87
2.50	107	102	98	105	101	97	102	98	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:25DEG
Operators:
Test Date:2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:

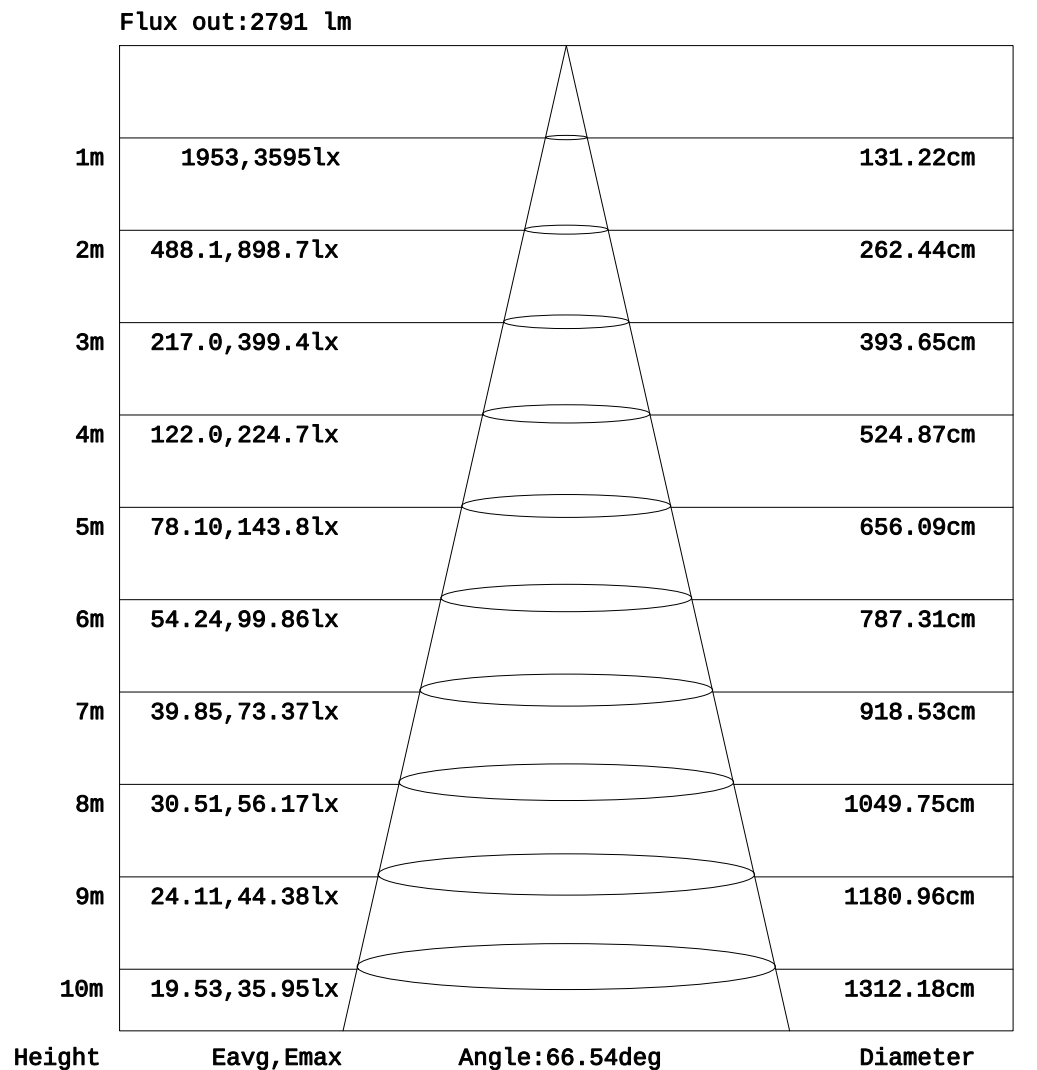


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:



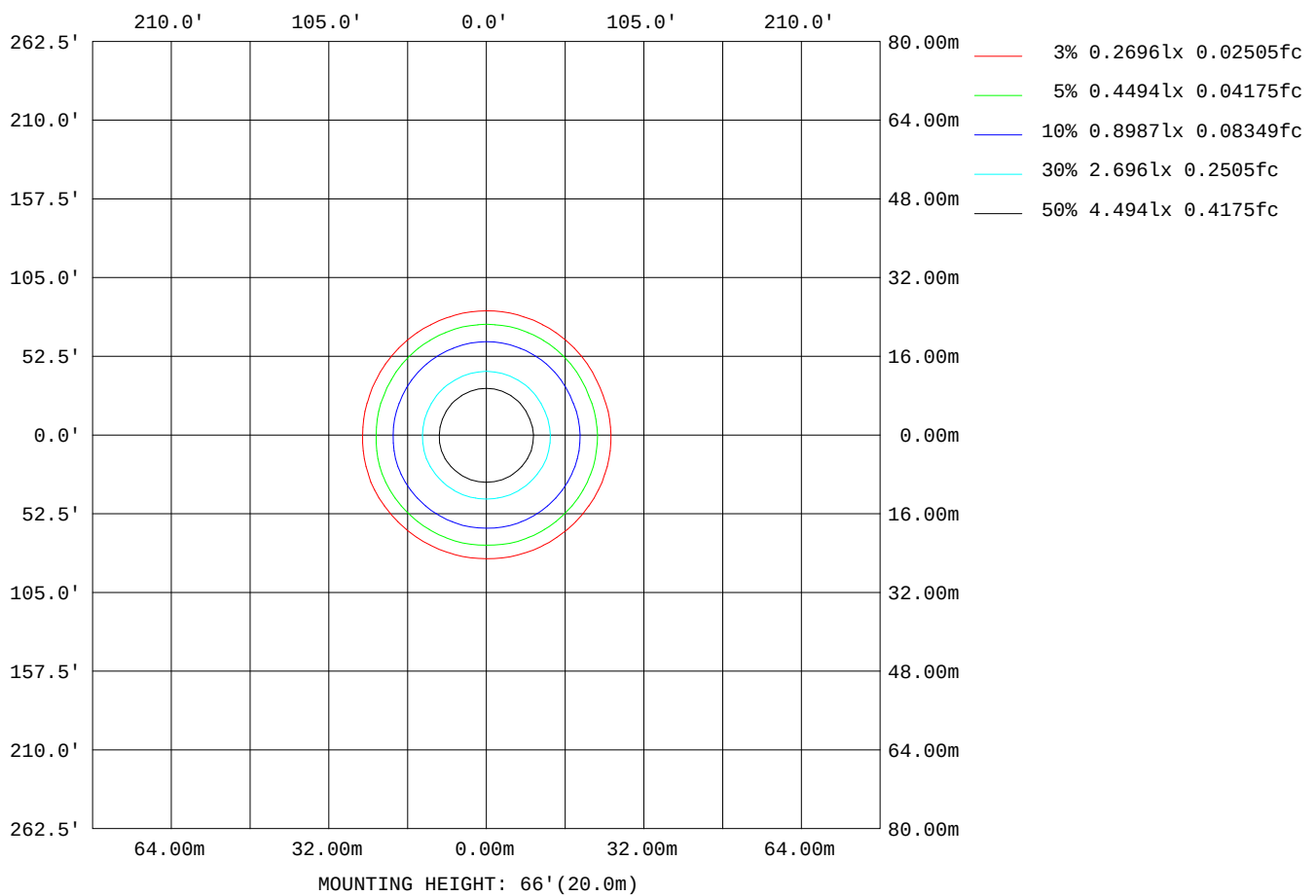
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.47V I:0.1560A P:35.109W PF:0.9763 Freq:49.99Hz Lamp Flux:4454x1 lm		
NAME: DL3008-WHTC35S03	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 190mm	Shielding Angle:

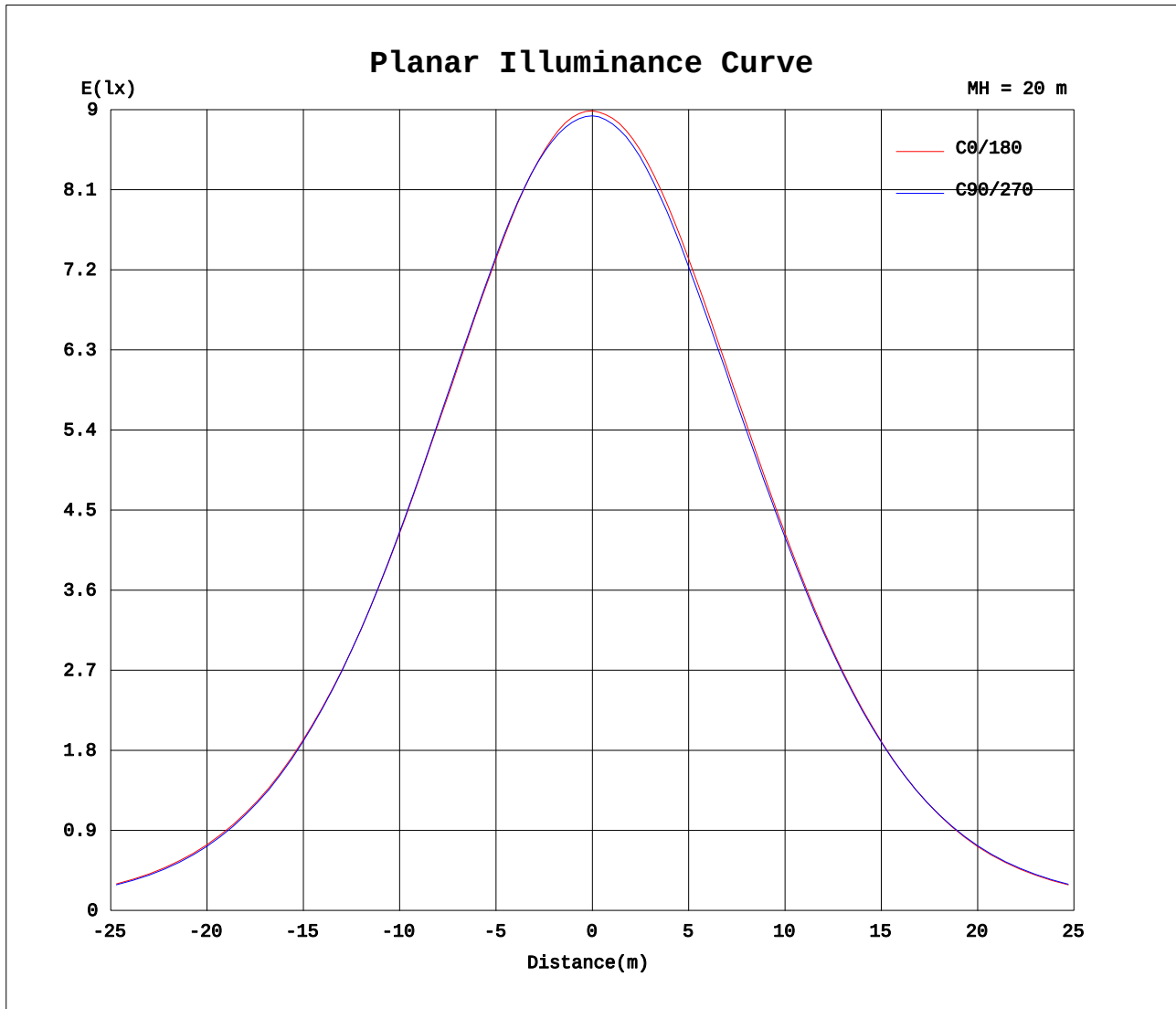
AvgL	cd/m2
L_0~180(65)av	8226
L_0~180(75)av	4622
L_0~180(85)av	4391
L_90~270(65)av	8143
L_90~270(75)av	4632
L_90~270(85)av	4379
L_45(65)av	8162
L_45(75)av	4634
L_45(85)av	4382

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-09-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2024-09-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

```