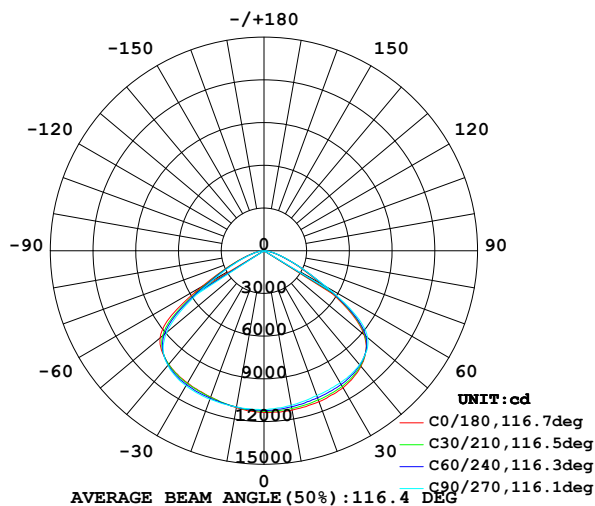


LUMINAIRE PHOTOMETRIC TEST REPORT

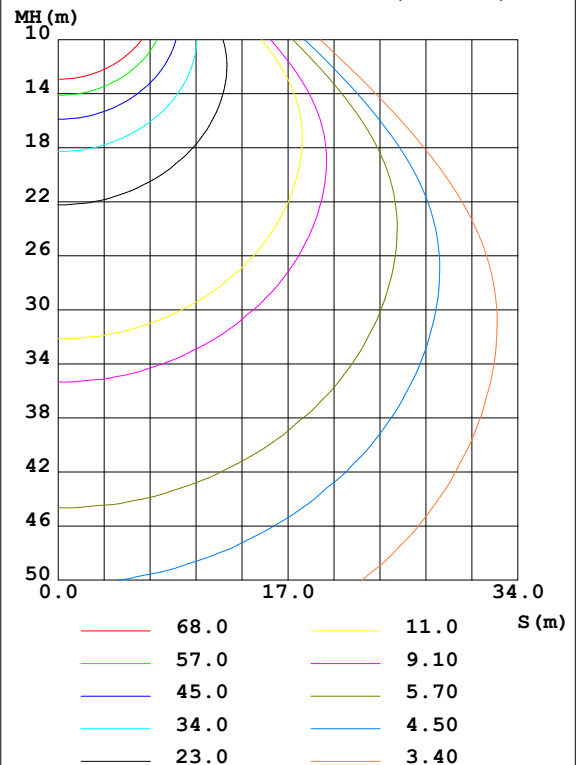
Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 175.63 lm/W			
MODEL	320-HB77-200W	I _{max} (cd)	11382	S/MH (C0/180)	1.44
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.48
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	34386	η UP, DN (C0-180)	0.3, 50.1
NOMINAL FLUX (lm)	34386.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 49.2
LAMPS INSIDE	1	η up (%)	0.6	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	220	η down (%)	99.4	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.710m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1137	1119	1102	1089	1119	1115	1114	1113	0- 10	1065	1065	3.1,3.1
20	1129	1106	1084	1067	1094	1099	1110	1114	10- 20	3132	4197	12.2,12.2
30	1111	1091	1071	1056	1072	1081	1096	1102	20- 30	5054	9251	26.9,26.9
40	1060	1051	1045	1033	1042	1044	1049	1052	30- 40	6708	15959	46.4,46.4
50	917.7	929.7	949.7	937.3	952.6	922.4	892.9	875.4	40- 50	7710	23669	68.8,68.8
60	459.6	485.6	502.2	485.6	503.2	458.1	420.7	421.0	50- 60	6387	30056	87.4,87.4
70	163.2	168.6	173.9	172.1	171.9	160.9	148.4	151.3	60- 70	2884	32940	95.8,95.8
80	45.05	46.89	48.66	47.43	47.53	44.20	41.25	42.59	70- 80	1004	33944	98.7,98.7
90	3.640	3.732	3.873	3.746	4.675	4.509	4.382	4.436	80- 90	220.1	34164	99.4,99.4
100	3.195	3.168	3.154	3.140	3.754	3.651	3.590	3.590	90-100	39.58	34204	99.5,99.5
110	3.159	3.127	3.103	3.090	3.435	3.389	3.353	3.341	100-110	34.84	34239	99.6,99.6
120	3.293	3.254	3.220	3.206	3.478	3.438	3.412	3.391	110-120	32.55	34271	99.7,99.7
130	3.417	3.396	3.377	3.358	3.546	3.512	3.495	3.466	120-130	30.40	34302	99.8,99.8
140	3.496	3.483	3.470	3.455	3.721	3.684	3.667	3.634	130-140	27.09	34329	99.8,99.8
150	3.685	3.659	3.638	3.627	3.975	3.942	3.933	3.913	140-150	23.08	34352	99.9,99.9
160	4.050	4.009	3.975	3.963	4.240	4.212	4.206	4.197	150-160	18.20	34370	100,100
170	4.434	4.394	4.358	4.340	4.490	4.453	4.436	4.437	160-170	12.05	34382	100,100
180	4.530	4.510	4.485	4.463	4.552	4.507	4.475	4.464	170-180	4.258	34386	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

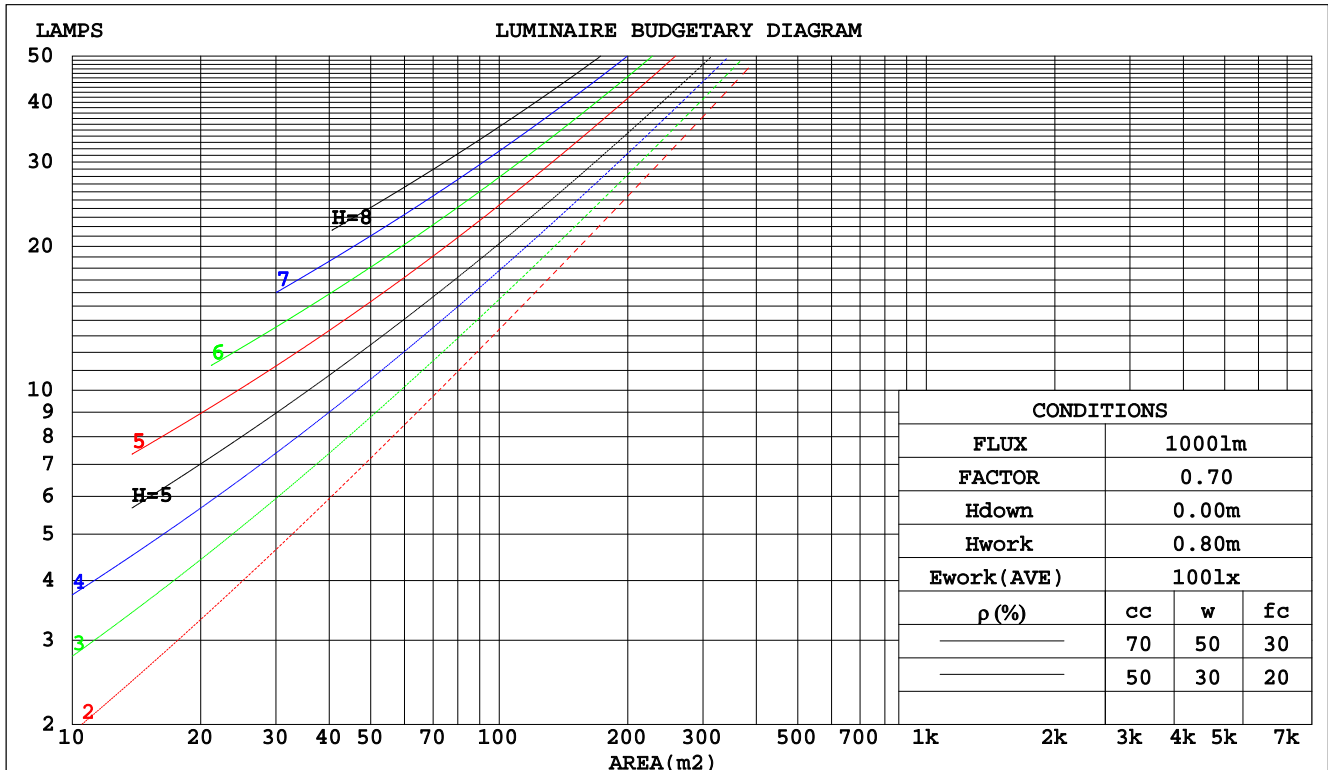
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.710m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION 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	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	1.01	1.01	1.01	.99
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.93	.87	.82	.91	.85	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.68	.81	.73	.68	.78	.72	.67	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.65	.58	.72	.64	.58	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.53	.49	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 11.710m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm								
NAME: 320-HB77-200W				TYPE:			WEIGHT:3KG	
SPEC.:				DIM.: ϕ 320*166MM			SERIAL No.:1	
MFR.:				SUR.: ϕ 265MM			PROTECTION 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	.272	.155	.049	.265	.151	.048	.252	.144	.046	.239	.138	.044	.228	.132	.043	
2.0	.265	.145	.045	.259	.142	.044	.247	.137	.043	.236	.132	.041	.226	.128	.040	
3.0	.251	.134	.040	.245	.131	.040	.235	.127	.039	.225	.123	.038	.216	.120	.037	
4.0	.236	.122	.036	.231	.121	.036	.221	.117	.035	.213	.114	.034	.205	.111	.034	
5.0	.221	.112	.033	.216	.111	.032	.208	.108	.032	.200	.106	.031	.193	.103	.031	
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.028	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.026	.172	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.145	.073	.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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.183	.161	.142	.156	.139	.122	.107	.095	.085	.062	.055	.049	.020	.018	.016	
2.0	.174	.137	.106	.149	.118	.092	.102	.082	.064	.059	.047	.038	.019	.015	.012	
3.0	.166	.119	.082	.142	.103	.071	.098	.071	.050	.056	.042	.029	.018	.014	.010	
4.0	.159	.106	.065	.136	.091	.057	.094	.064	.040	.054	.037	.024	.017	.012	.008	
5.0	.152	.095	.054	.130	.082	.047	.090	.058	.033	.052	.034	.020	.017	.011	.006	
6.0	.145	.087	.045	.125	.075	.039	.086	.053	.028	.050	.031	.017	.016	.010	.005	
7.0	.139	.080	.039	.119	.069	.034	.082	.049	.024	.048	.029	.014	.015	.009	.005	
8.0	.133	.074	.034	.114	.064	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
9.0	.127	.069	.031	.109	.060	.027	.076	.042	.019	.044	.025	.011	.014	.008	.004	
10.0	.121	.065	.028	.105	.057	.024	.073	.040	.017	.042	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.710m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm										
NAME: 320-HB77-200W					TYPE:			WEIGHT:3KG		
SPEC.:					DIM.: ϕ 320*166MM			SERIAL No.:1		
MFR.:					SUR.: ϕ 265MM			PROTECTION 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	30.4	31.8	30.7	32.1	32.3	30.6	32.0	30.9	32.3	32.5
3H	30.7	32.1	31.0	32.3	32.6	31.0	32.3	31.3	32.5	32.8
4H	30.8	32.1	31.1	32.3	32.6	31.0	32.3	31.3	32.5	32.8
6H	30.8	32.0	31.1	32.3	32.5	31.0	32.2	31.4	32.5	32.8
8H	30.8	31.9	31.1	32.2	32.5	31.0	32.1	31.3	32.4	32.7
12H	30.7	31.8	31.1	32.1	32.4	31.0	32.1	31.3	32.4	32.7
4H 2H	30.6	31.9	30.9	32.1	32.4	30.8	32.1	31.1	32.3	32.6
3H	31.1	32.2	31.4	32.5	32.8	31.3	32.3	31.6	32.7	33.0
4H	31.2	32.2	31.6	32.5	32.9	31.4	32.4	31.8	32.7	33.0
6H	31.2	32.1	31.6	32.5	32.8	31.4	32.3	31.8	32.7	33.0
8H	31.2	32.0	31.7	32.4	32.8	31.4	32.2	31.9	32.6	33.0
12H	31.2	32.0	31.7	32.4	32.8	31.4	32.2	31.9	32.6	33.0
8H 4H	31.2	32.0	31.6	32.4	32.8	31.4	32.2	31.8	32.5	32.9
6H	31.3	31.9	31.7	32.4	32.8	31.5	32.1	31.9	32.5	33.0
8H	31.3	31.9	31.8	32.3	32.8	31.5	32.1	32.0	32.5	33.0
12H	31.3	31.8	31.8	32.3	32.8	31.5	32.0	32.0	32.5	32.9
12H 4H	31.1	31.9	31.6	32.3	32.7	31.3	32.1	31.8	32.5	32.9
6H	31.3	31.8	31.7	32.3	32.7	31.4	32.0	31.9	32.5	32.9
8H	31.3	31.8	31.8	32.3	32.7	31.5	32.0	32.0	32.4	32.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
1.5H	+ 0.6 / - 1.2					+ 0.6 / - 1.3				
2.0H	+ 1.3 / - 1.7					+ 1.3 / - 1.8				

CIE Pub.117 Corrected 34386 lm Total Lamp Luminous Flux.(8log(F/F0) = 12.3)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\varnothing 320 \times 166 \text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\varnothing 265 \text{MM}$	PROTECTION 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	57	46	39	57	46	39	55	45	39	32
0.80	69	57	50	67	57	50	66	56	49	43
1.00	78	67	60	77	67	60	75	68	60	53
1.25	86	76	69	84	75	69	81	74	68	61
1.50	91	81	75	89	80	74	86	79	73	66
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	110	105	101	107	103	100	103	99	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION ANGLE:

Conical surface Flux(90deg):

19761 lm

%lum = 57.5%

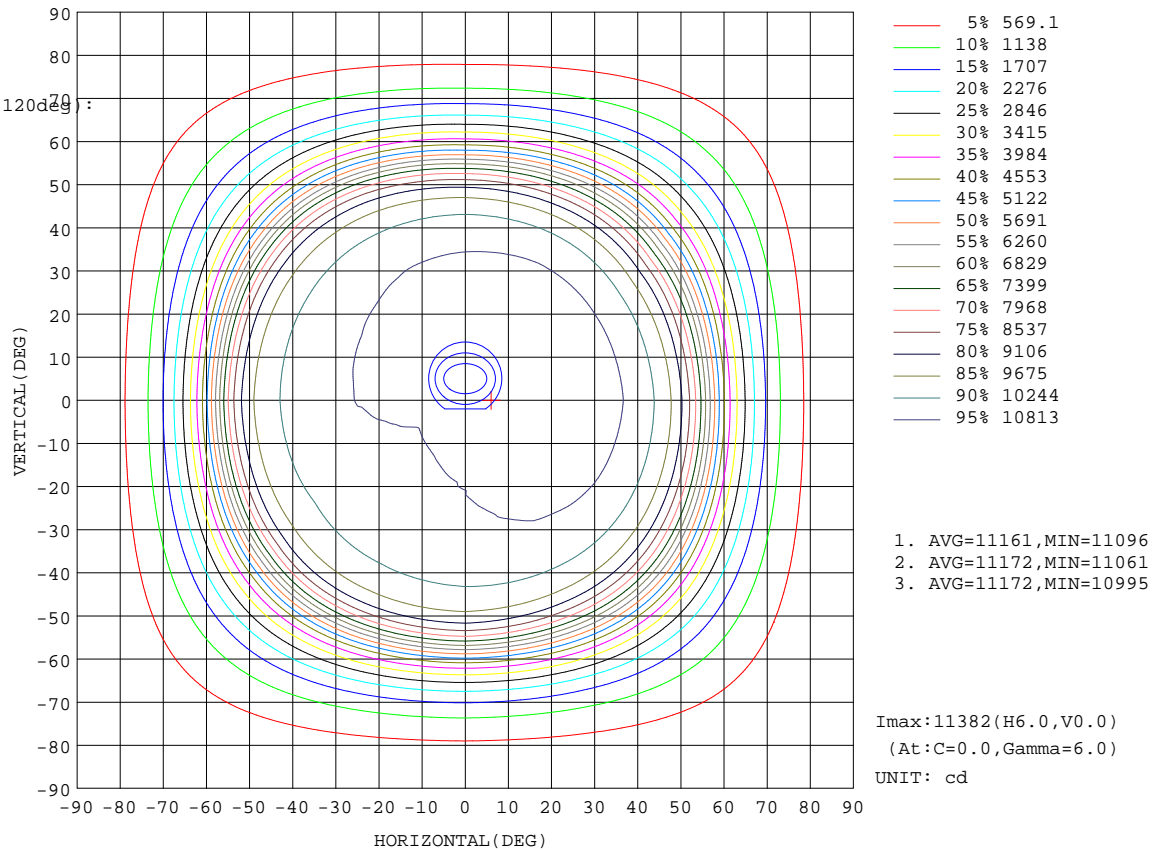
%lamp = 57.5%

Conical surface Flux(120deg):

30056 lm

%lum = 87.4%

%lamp = 87.4%

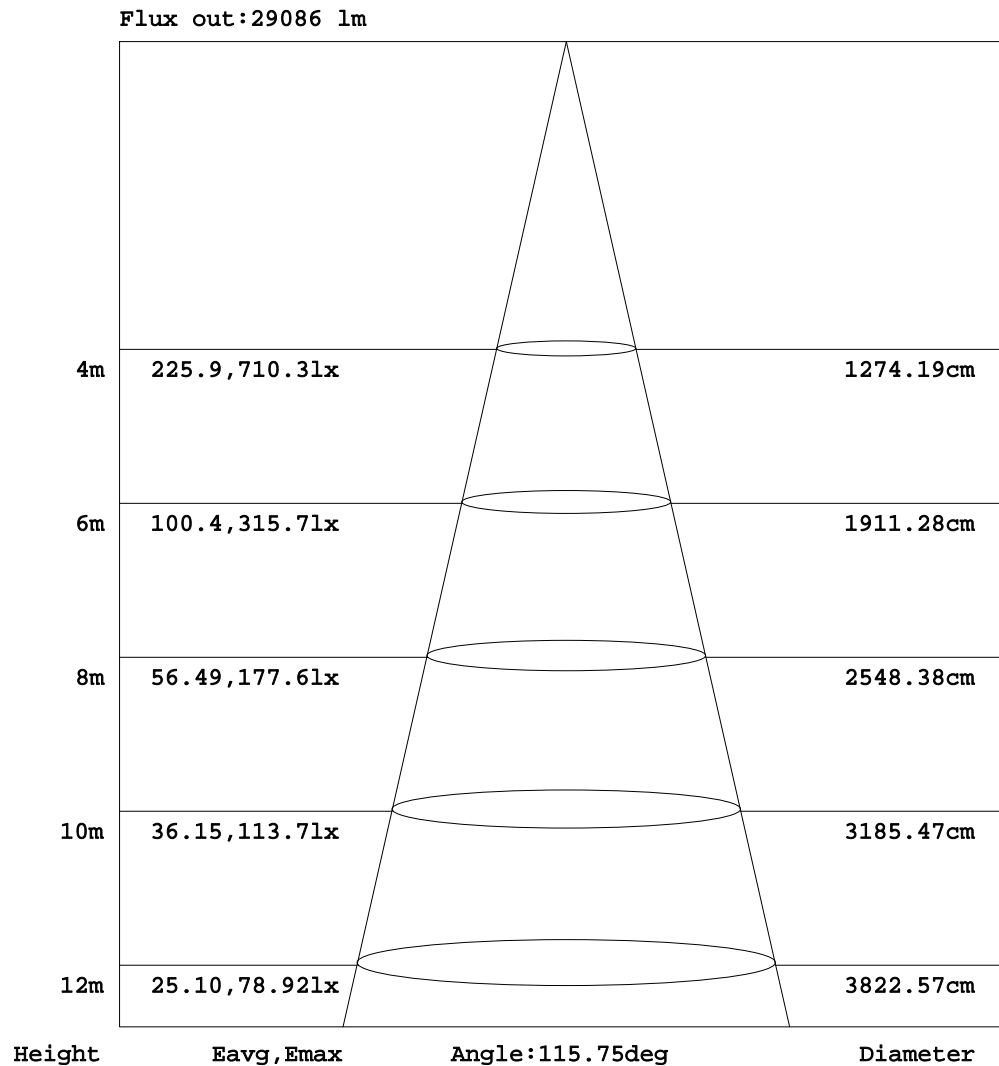


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320*166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION ANGLE:



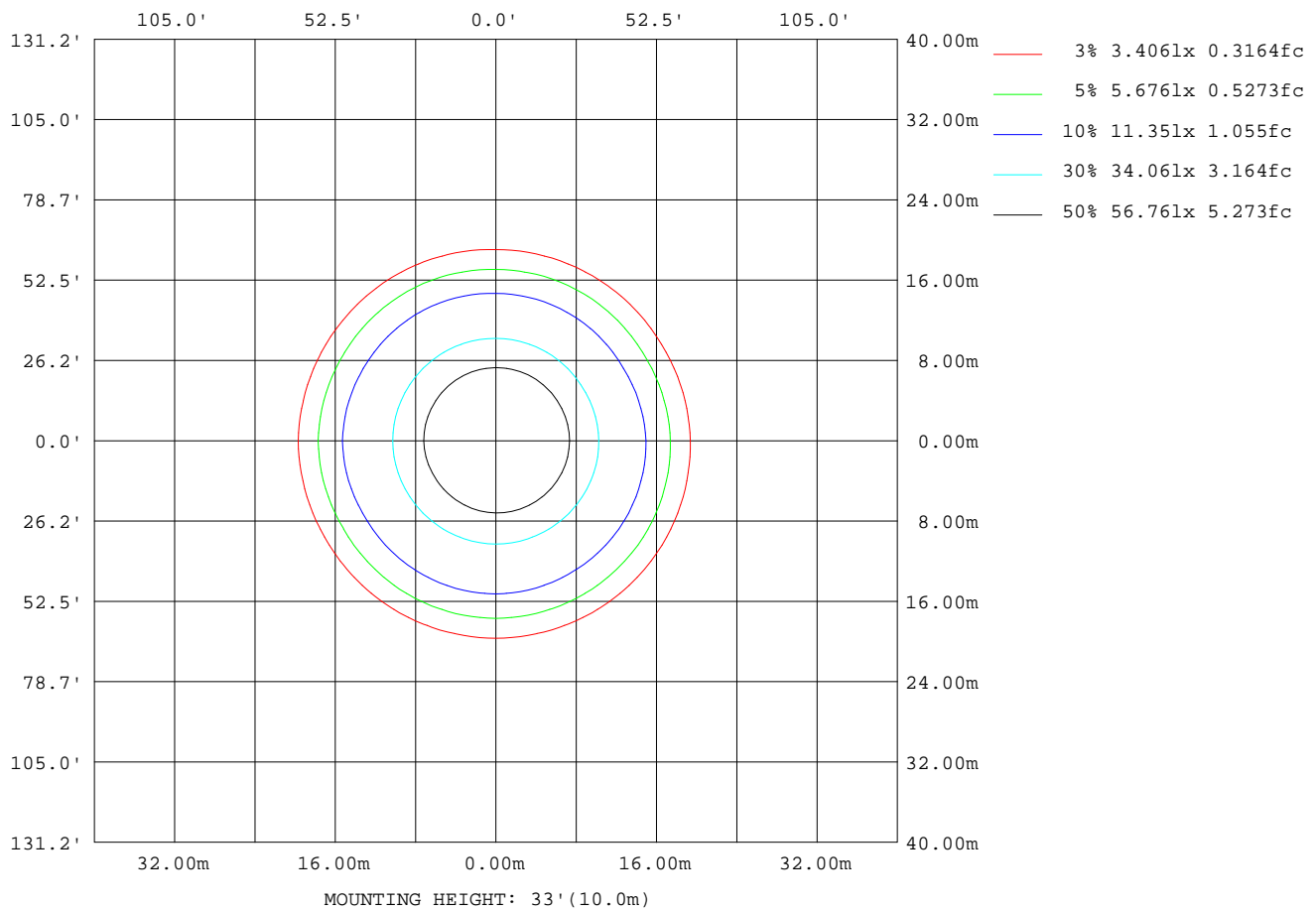
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.710m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.710m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\varnothing 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\varnothing 265\text{MM}$	PROTECTION ANGLE:

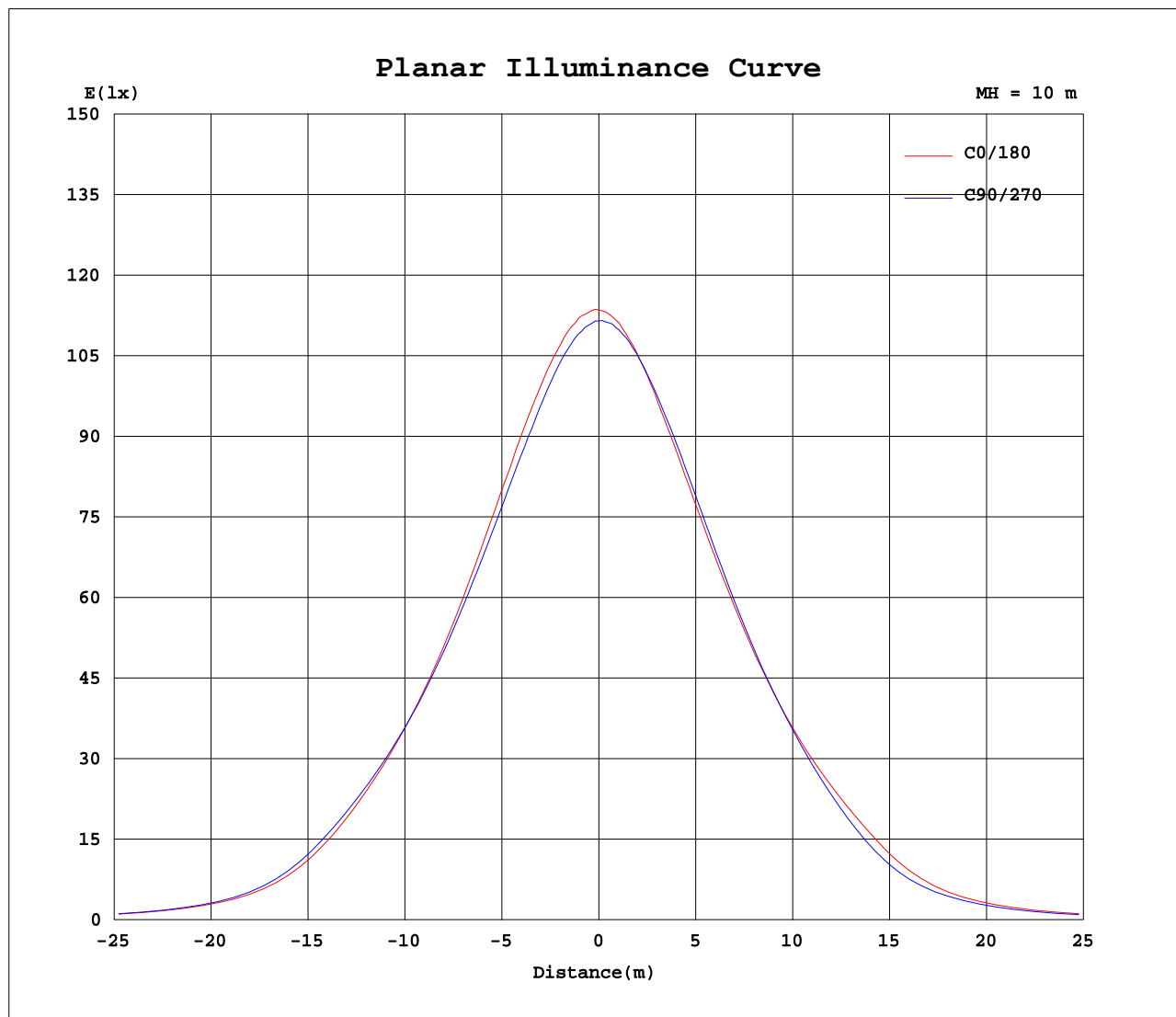
AvgL	cd/m2
L_0~180 (65) av	85681
L_0~180 (75) av	44529
L_0~180 (85) av	26810
L_90~270 (65) av	82148
L_90~270 (75) av	43287
L_90~270 (85) av	25993
L_45 (65) av	83087
L_45 (75) av	43665
L_45 (85) av	26282

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:11.710m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-4-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 11.710m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.8925A P:195.8W PF:0.9969 Lamp Flux:34386.2x1 lm		
NAME: 320-HB77-200W	TYPE:	WEIGHT:3KG
SPEC.:	DIM.: $\phi 320 \times 166\text{MM}$	SERIAL No.:1
MFR.:	SUR.: $\phi 265\text{MM}$	PROTECTION ANGLE:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1135	1128	1121	1115	1110	1105	1135	1128	1121	1115	1110	1105						
5	1138	1128	1118	1109	1103	1096	1130	1124	1118	1115	1113	1109						
10	1137	1125	1113	1102	1093	1086	1119	1116	1114	1114	1115	1111						
15	1134	1121	1107	1093	1081	1075	1107	1105	1110	1112	1115	1113						
20	1129	1114	1098	1084	1069	1064	1094	1096	1102	1110	1113	1114						
25	1119	1108	1091	1078	1064	1059	1084	1087	1097	1105	1111	1112						
30	1111	1099	1084	1071	1059	1053	1072	1076	1086	1096	1101	1102						
35	1090	1082	1069	1062	1050	1045	1060	1063	1073	1078	1084	1086						
40	1060	1054	1048	1045	1035	1031	1042	1041	1048	1049	1052	1052						
45	1010	1010	1009	1012	1005	1001	1011	1005	1004	1001	996	989						
50	918	925	934	950	941	934	953	930	915	893	879	871						
55	723	743	757	786	770	753	795	743	714	673	665	659						
60	460	480	491	502	493	479	503	468	448	421	420	422						
65	281	290	294	299	296	294	298	284	272	257	256	263						
70	163	169	168	174	173	172	172	165	157	148	149	153						
75	90.0	93.9	93.8	97.0	95.5	94.5	94.4	90.0	86.9	82.2	83.9	85.1						
80	45.0	46.6	47.2	48.7	48.0	46.9	47.5	45.3	43.1	41.2	42.0	43.2						
85	17.8	18.8	18.9	19.9	19.5	18.9	19.6	18.3	17.8	16.3	17.1	17.5						
90	3.64	3.73	3.73	3.87	3.78	3.71	4.67	4.54	4.48	4.38	4.43	4.44						
95	3.27	3.25	3.23	3.23	3.23	3.22	4.09	3.99	3.95	3.88	3.89	3.88						
100	3.20	3.18	3.16	3.15	3.14	3.14	3.75	3.67	3.63	3.59	3.59	3.59						
105	3.15	3.14	3.11	3.11	3.09	3.09	3.51	3.47	3.43	3.41	3.40	3.40						
110	3.16	3.14	3.11	3.10	3.09	3.09	3.44	3.40	3.38	3.35	3.34	3.34						
115	3.21	3.19	3.15	3.14	3.13	3.13	3.44	3.41	3.39	3.37	3.36	3.35						
120	3.29	3.27	3.24	3.22	3.21	3.21	3.48	3.45	3.43	3.41	3.40	3.38						
125	3.37	3.35	3.32	3.31	3.30	3.29	3.51	3.48	3.46	3.45	3.44	3.42						
130	3.42	3.41	3.38	3.38	3.36	3.36	3.55	3.52	3.51	3.49	3.48	3.45						
135	3.45	3.44	3.43	3.42	3.41	3.40	3.62	3.58	3.58	3.56	3.54	3.52						
140	3.50	3.49	3.47	3.47	3.46	3.45	3.72	3.69	3.68	3.67	3.64	3.62						
145	3.57	3.57	3.55	3.54	3.53	3.52	3.85	3.82	3.81	3.80	3.79	3.76						
150	3.69	3.67	3.65	3.64	3.63	3.62	3.98	3.94	3.94	3.93	3.92	3.90						
155	3.85	3.84	3.80	3.79	3.78	3.78	4.10	4.07	4.07	4.07	4.06	4.05						
160	4.05	4.03	3.99	3.97	3.96	3.96	4.24	4.21	4.21	4.21	4.21	4.19						
165	4.25	4.23	4.19	4.18	4.16	4.17	4.38	4.35	4.35	4.34	4.34	4.32						
170	4.43	4.41	4.37	4.36	4.33	4.35	4.49	4.45	4.45	4.44	4.44	4.44						
175	4.51	4.50	4.46	4.44	4.42	4.43	4.54	4.50	4.50	4.48	4.47	4.48						
180	4.53	4.53	4.49	4.49	4.45	4.47	4.55	4.51	4.51	4.47	4.47	4.46						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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Operators:
Test Date:2022-4-23

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 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.290
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