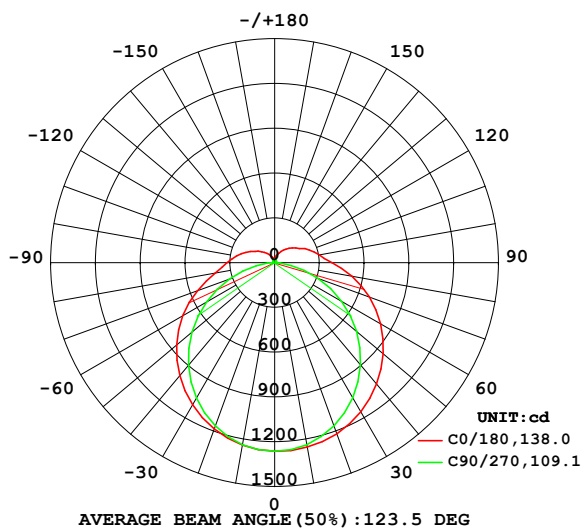


LUMINAIRE PHOTOMETRIC TEST REPORT

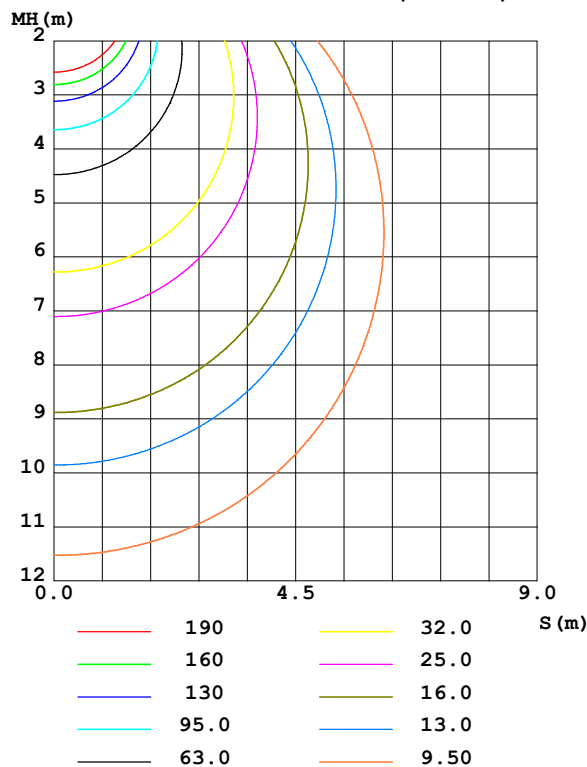
Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 126.65 lm/W
MODEL		I _{max} (cd)	1264	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	38.7	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4914.7	η UP,DN(C0-180)	6.8,43.6	
NOMINAL FLUX(lm)	4914.68	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.6,43.0	
LAMPS INSIDE	1	η up (%)	13.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	230	η down (%)	86.6	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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	1255	1247	1238	1240	1241	1239	1239	1248	0- 10	119.7	119.7	2.43,2.43
20	1220	1192	1163	1177	1186	1173	1164	1196	10- 20	344.0	463.7	9.43,9.43
30	1155	1102	1046	1079	1100	1070	1048	1112	20- 30	525.9	989.6	20.1,20.1
40	1062	982.4	894.4	952.7	989.7	939.7	897.6	999.2	30- 40	644.9	1635	33.3,33.3
50	948.9	841.5	716.5	804.7	858.6	787.6	722.5	865.2	40- 50	690.4	2325	47.3,47.3
60	819.1	685.5	519.1	641.8	710.7	621.0	525.9	716.4	50- 60	661.2	2986	60.8,60.8
70	675.9	521.6	309.8	472.1	551.8	446.1	322.3	557.5	60- 70	565.1	3551	72.3,72.3
80	524.7	360.0	111.5	315.6	403.9	287.4	126.2	399.2	70- 80	423.1	3974	80.9,80.9
90	383.8	227.4	8.346	228.6	321.3	196.6	10.57	265.3	80- 90	282.1	4256	86.6,86.6
100	305.0	174.1	6.813	177.0	260.7	148.5	8.794	204.8	90-100	199.8	4456	90.7,90.7
110	250.3	139.5	8.651	130.4	206.2	109.2	11.51	162.8	100-110	153.1	4609	93.8,93.8
120	191.6	108.3	10.94	98.17	152.3	80.16	13.20	127.1	110-120	111.4	4721	96.1,96.1
130	156.1	87.87	13.53	73.85	116.5	61.47	15.52	102.8	120-130	79.18	4800	97.7,97.7
140	118.8	65.20	16.08	54.63	83.04	45.73	17.61	77.21	130-140	53.43	4853	98.8,98.8
150	86.91	48.30	18.48	38.43	55.86	33.35	20.32	51.92	140-150	32.73	4886	99.4,99.4
160	60.60	37.52	20.91	26.22	34.32	23.72	22.93	38.64	150-160	17.98	4904	99.8,99.8
170	37.14	30.90	23.01	20.63	21.48	20.66	24.33	30.94	160-170	8.254	4912	100,100
180	23.33	24.37	24.24	23.97	23.29	24.34	24.30	24.03	170-180	2.366	4915	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1978.8 lm

%lum = 40.3%

%lamp = 40.3%

Conical surface Flux(120deg): 2986.1 lm

%lum = 60.8%

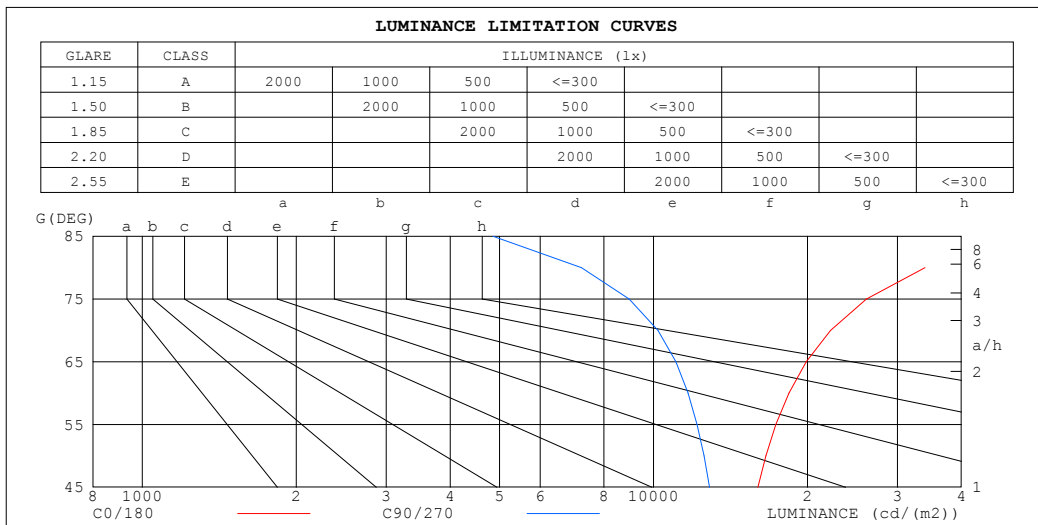
%lamp = 60.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	58063	4856
80	33939	7232
75	26073	8961
70	22198	10199
65	19900	11053
60	18400	11689
55	17347	12164
50	16581	12549
45	16009	12870

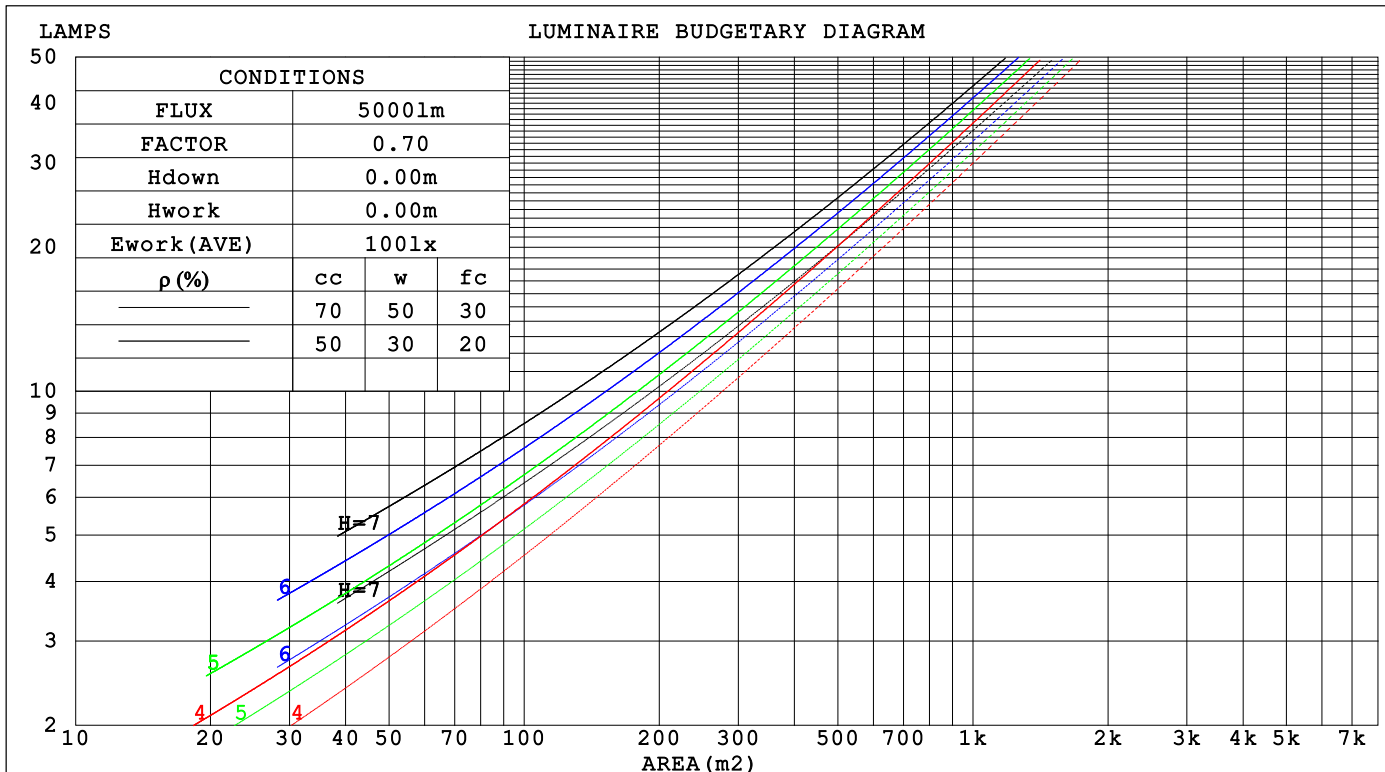
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.87
1.0	.98	.93	.88	.94	.90	.86	.88	.84	.81	.81	.78	.76	.76	.73	.71	.68
2.0	.84	.77	.70	.81	.74	.69	.75	.70	.65	.70	.65	.61	.65	.61	.58	.55
3.0	.73	.65	.58	.71	.63	.56	.66	.59	.54	.61	.56	.51	.57	.52	.48	.46
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.51	.45	.41	.38
5.0	.57	.48	.41	.56	.47	.40	.52	.44	.39	.48	.42	.37	.45	.40	.35	.33
6.0	.52	.42	.36	.50	.41	.35	.47	.39	.34	.44	.37	.32	.41	.35	.31	.29
7.0	.47	.38	.31	.45	.37	.31	.42	.35	.30	.40	.33	.28	.37	.32	.27	.25
8.0	.42	.34	.28	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.29	.24	.22
9.0	.39	.30	.25	.38	.30	.24	.35	.28	.24	.33	.27	.23	.32	.26	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.29	.24	.20	.18



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.361	.205	.065	.350	.200	.063	.329	.189	.060	.309	.178	.057	.291	.169	.054		
2.0	.320	.175	.054	.310	.171	.053	.291	.162	.050	.273	.153	.048	.257	.145	.046		
3.0	.287	.153	.046	.278	.149	.045	.261	.141	.043	.245	.134	.041	.231	.128	.040		
4.0	.261	.135	.040	.252	.132	.039	.237	.126	.038	.223	.119	.036	.209	.114	.035		
5.0	.238	.121	.035	.231	.118	.034	.217	.113	.033	.204	.107	.032	.191	.102	.031		
6.0	.219	.110	.031	.212	.107	.031	.199	.102	.030	.188	.097	.029	.176	.093	.028		
7.0	.202	.100	.028	.196	.098	.028	.185	.093	.027	.174	.089	.026	.164	.085	.025		
8.0	.188	.092	.026	.183	.090	.025	.172	.086	.025	.162	.082	.024	.153	.078	.023		
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021		
10.0	.165	.079	.022	.160	.077	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019		

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						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.293	.293	.293	.250	.250	.250	.171	.171	.171	.098	.098	.098	.031	.031	.031		
1.0	.287	.259	.233	.245	.222	.201	.168	.153	.139	.097	.088	.081	.031	.028	.026		
2.0	.280	.235	.198	.239	.203	.171	.164	.140	.120	.095	.082	.070	.030	.026	.023		
3.0	.272	.219	.176	.233	.189	.153	.160	.131	.107	.092	.076	.063	.030	.025	.021		
4.0	.264	.206	.161	.227	.178	.140	.156	.124	.099	.090	.073	.058	.029	.024	.019		
5.0	.257	.196	.151	.220	.169	.131	.152	.118	.093	.088	.070	.055	.028	.023	.018		
6.0	.249	.188	.144	.214	.163	.125	.148	.114	.089	.086	.067	.053	.028	.022	.017		
7.0	.242	.181	.138	.208	.157	.120	.144	.110	.085	.084	.065	.051	.027	.021	.017		
8.0	.236	.175	.134	.203	.152	.117	.140	.107	.083	.082	.063	.049	.026	.021	.016		
9.0	.230	.171	.131	.198	.148	.114	.137	.104	.081	.080	.061	.048	.026	.020	.016		
10.0	.224	.166	.128	.193	.145	.112	.134	.102	.080	.078	.060	.047	.025	.020	.016		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm										
NAME: B15-W3457KA (43W 3000K)						TYPE:			WEIGHT:	
SPEC.:						DIM.: 0.08886			SERIAL No.: 1	
MFR.:						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	22.4	23.8	22.9	24.3	24.7	20.6	22.0	21.0	22.4	22.9
3H	24.8	26.1	25.3	26.6	27.1	22.0	23.3	22.4	23.7	24.2
4H	26.1	27.4	26.6	27.9	28.4	22.5	23.7	23.0	24.2	24.7
6H	27.5	28.7	28.0	29.2	29.7	22.8	23.9	23.3	24.4	25.0
8H	28.3	29.4	28.8	29.9	30.5	22.8	23.9	23.3	24.4	25.0
12H	29.1	30.2	29.7	30.7	31.3	22.8	23.9	23.3	24.4	25.0
4H 2H	22.9	24.2	23.4	24.7	25.2	21.6	22.8	22.1	23.3	23.8
3H	25.6	26.7	26.2	27.2	27.8	23.2	24.3	23.7	24.8	25.4
4H	27.1	28.1	27.7	28.6	29.2	23.9	24.9	24.4	25.4	26.0
6H	28.7	29.6	29.3	30.1	30.8	24.3	25.2	24.9	25.8	26.4
8H	29.5	30.4	30.2	31.0	31.6	24.4	25.2	25.0	25.8	26.5
12H	30.5	31.3	31.2	31.9	32.6	24.5	25.2	25.1	25.8	26.5
8H 4H	27.4	28.2	28.0	28.8	29.5	24.7	25.6	25.3	26.1	26.8
6H	29.2	29.9	29.9	30.6	31.3	25.5	26.2	26.1	26.8	27.5
8H	30.3	30.9	31.0	31.6	32.3	25.7	26.3	26.4	27.0	27.7
12H	31.6	32.1	32.2	32.8	33.5	25.9	26.4	26.6	27.1	27.9
12H 4H	27.4	28.1	28.0	28.7	29.4	25.0	25.7	25.6	26.3	27.0
6H	29.3	29.9	30.0	30.6	31.3	25.9	26.5	26.6	27.2	27.9
8H	30.5	31.0	31.2	31.7	32.4	26.3	26.9	27.0	27.5	28.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 4915 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
Area: 0.08886 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

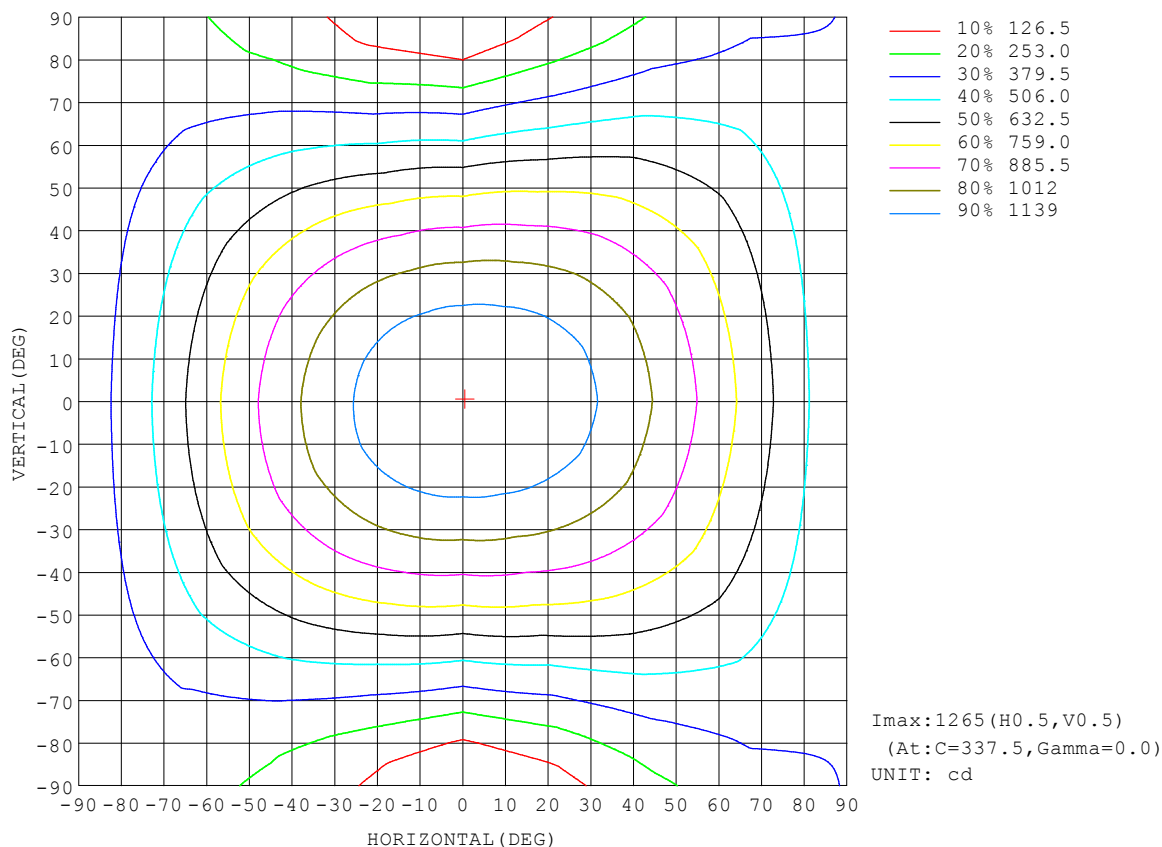
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	38	31	50	38	31	48	37	31	24
0.80	60	47	40	59	47	39	56	45	38	31
1.00	68	56	47	66	55	47	63	55	46	38
1.25	75	63	55	73	62	54	69	59	53	44
1.50	80	68	60	78	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	91	82	75	88	80	73	83	76	70	58
3.00	95	86	80	92	84	78	86	79	74	62
4.00	100	92	86	96	89	84	90	84	80	67
5.00	102	96	91	99	93	88	92	87	83	70
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:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

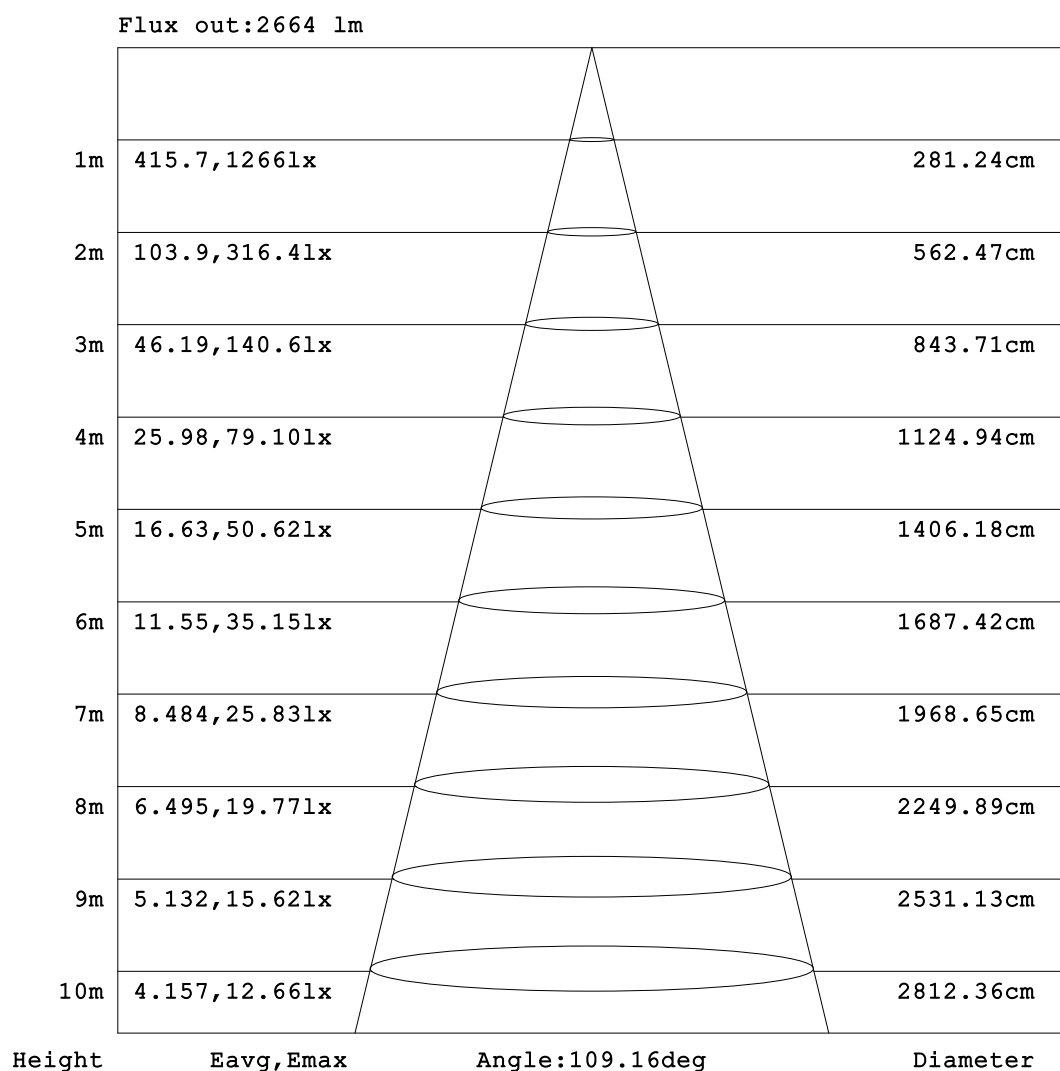


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



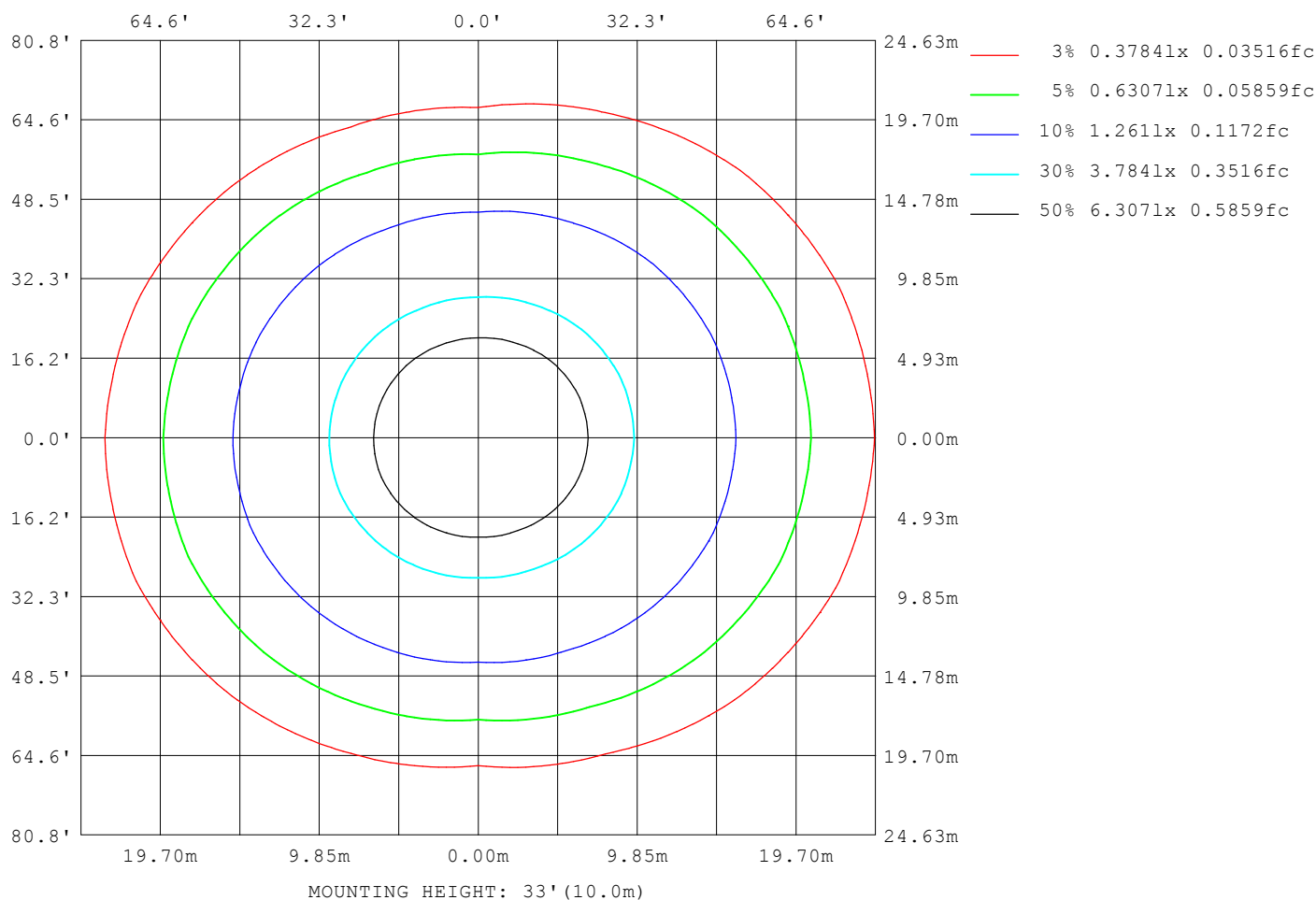
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm		
NAME: B15-W3457KA (43W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

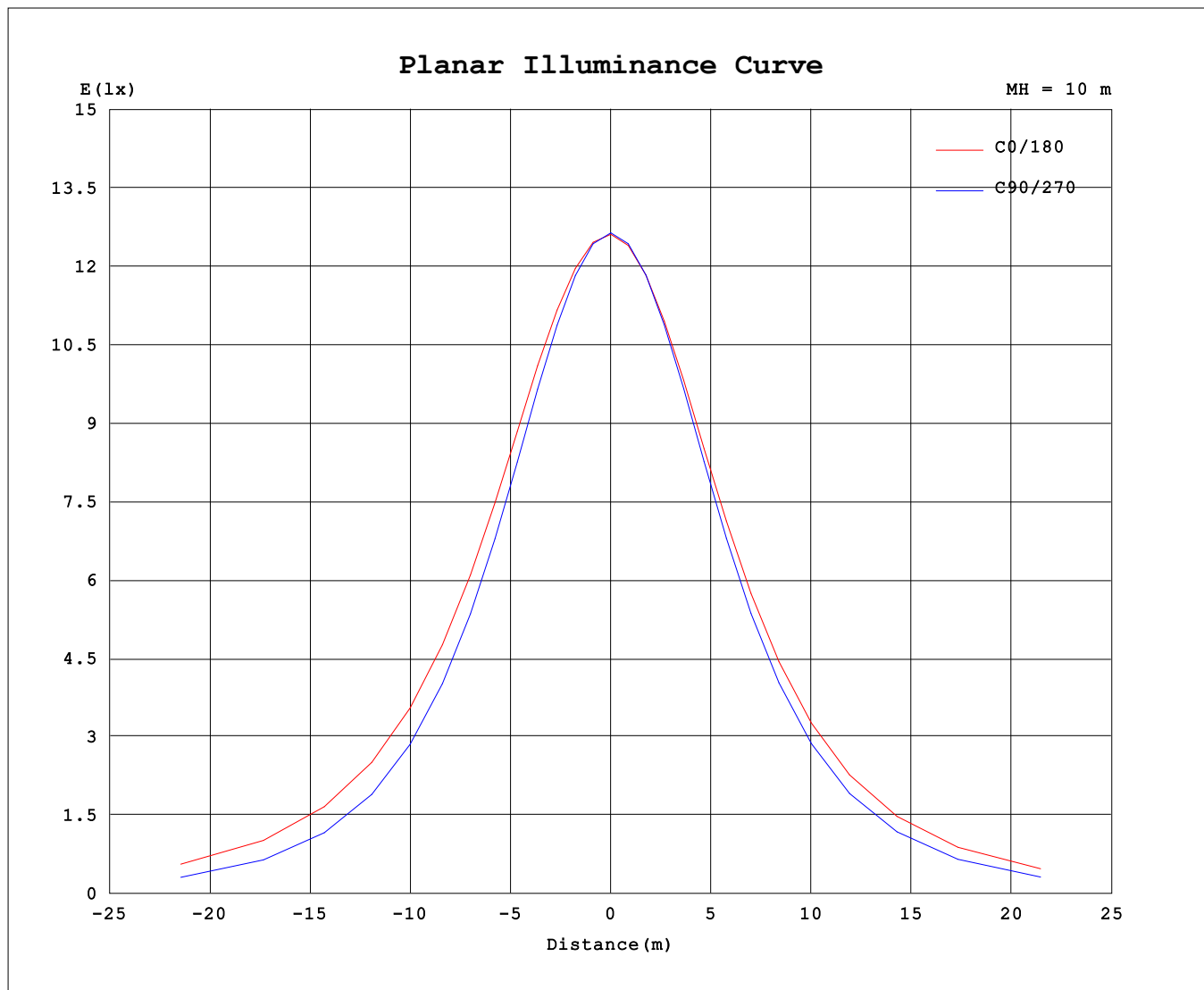
AvgL	cd/m2
L_0~180 (65) av	18387
L_0~180 (75) av	23339
L_0~180 (85) av	51992
L_90~270 (65) av	11178
L_90~270 (75) av	9281
L_90~270 (85) av	5598
L_45 (65) av	15522
L_45 (75) av	18142
L_45 (85) av	35638

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.41V I:0.1736A P:38.804W PF:0.9703 Freq:50.00Hz Lamp Flux:4914.68x1 lm																	
NAME: B15-W3457KA (43W 3000K)									TYPE:						WEIGHT:		
SPEC.:									DIM.: 0.08886						SERIAL No.: 1		
MFR.:									SUR.:						Shielding Angle:		

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	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264	1264			
5	1263	1262	1260	1258	1257	1258	1257	1258	1257	1257	1257	1257	1257	1257	1258	1260	1262		
10	1255	1253	1247	1241	1238	1239	1240	1242	1241	1240	1239	1237	1239	1241	1248	1253			
15	1241	1237	1224	1212	1206	1210	1213	1219	1218	1215	1211	1206	1207	1213	1226	1237			
20	1220	1212	1192	1172	1163	1169	1177	1186	1186	1181	1173	1163	1164	1175	1196	1213			
25	1191	1180	1150	1122	1110	1119	1132	1146	1146	1139	1126	1111	1111	1127	1158	1182			
30	1155	1139	1102	1063	1046	1060	1079	1099	1100	1090	1070	1050	1048	1071	1112	1143			
35	1112	1092	1045	995	974	992	1019	1045	1048	1034	1008	980	976	1007	1059	1097			
40	1062	1039	982	922	894	918	953	985	990	973	940	904	898	936	999	1045			
45	1008	981	914	842	808	838	881	920	927	906	866	822	813	860	934	988			
50	949	918	841	757	717	753	805	851	859	835	788	735	722	780	865	926			
55	886	851	765	668	620	664	725	777	787	760	706	644	627	696	792	861			
60	819	780	686	574	519	570	642	700	711	682	621	550	526	608	716	792			
65	749	706	604	479	415	476	557	620	632	601	532	453	425	520	639	720			
70	676	631	522	385	310	383	472	537	552	519	446	357	322	431	557	646			
75	601	553	439	293	206	294	390	458	473	440	363	265	221	343	477	569			
80	525	475	360	207	112	213	316	388	404	369	287	179	126	261	399	493			
85	451	401	288	135	37.6	150	260	337	355	317	229	112	49.1	187	326	419			
90	384	337	227	86.5	8.35	117	229	304	321	284	197	77.4	10.6	134	265	354			
95	335	293	195	69.2	6.46	96.4	201	273	290	254	171	59.7	7.80	110	228	310			
100	305	266	174	59.3	6.81	80.1	177	245	261	227	148	47.9	8.79	95.5	205	281			
105	277	241	156	52.9	7.65	67.6	155	218	233	201	129	39.7	10.3	84.4	184	255			
110	250	217	139	48.8	8.65	57.6	130	193	206	177	109	34.4	11.5	75.8	163	230			
115	225	187	121	46.1	9.74	49.9	110	162	178	148	91.8	30.2	12.0	67.5	139	200			
120	192	166	108	42.6	10.9	42.4	98.2	142	152	130	80.2	26.9	13.2	60.6	127	176			
125	174	151	98.0	40.6	12.3	37.7	85.2	125	136	114	70.3	25.0	14.3	55.4	114	159			
130	156	134	87.9	38.2	13.5	33.5	73.9	106	116	97.4	61.5	23.4	15.5	49.1	103	141			
135	137	118	77.6	35.6	14.8	30.3	63.9	90.8	98.8	83.3	53.6	22.0	16.6	43.3	88.2	124			
140	119	104	65.2	33.1	16.1	27.4	54.6	76.9	83.0	70.7	45.7	20.8	17.6	39.2	77.2	108			
145	102	90.0	55.6	29.0	17.3	24.7	45.9	64.2	68.9	59.1	39.1	19.7	18.7	35.2	60.6	93.8			
150	86.9	76.3	48.3	28.4	18.5	21.9	38.4	52.3	55.9	48.3	33.3	19.2	20.3	33.2	51.9	80.4			
155	72.9	61.0	41.7	28.6	19.7	20.5	31.9	42.1	44.2	38.9	28.2	19.1	21.8	30.8	44.7	68.6			
160	60.6	47.5	37.5	28.6	20.9	19.8	26.2	33.0	34.3	30.9	23.7	19.4	22.9	30.8	38.6	50.9			
165	49.6	39.3	33.5	28.0	22.0	19.9	22.1	25.2	26.1	24.3	21.3	20.2	23.8	29.8	33.1	36.3			
170	37.1	31.0	30.9	27.1	23.0	20.7	20.6	21.3	21.5	21.2	20.7	21.2	24.3	28.3	30.9	29.7			
175	29.1	28.1	27.8	25.8	23.7	22.1	21.2	20.9	21.1	21.1	21.6	22.6	24.4	26.4	27.7	26.3			
180	23.3	24.2	24.4	24.3	24.2	24.1	24.0	23.6	23.3	24.2	24.3	24.3	24.3	24.2	24.0	23.4			

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