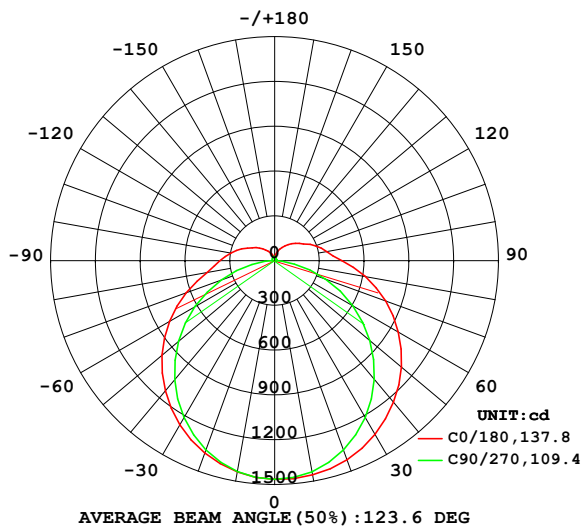


LUMINAIRE PHOTOMETRIC TEST REPORT

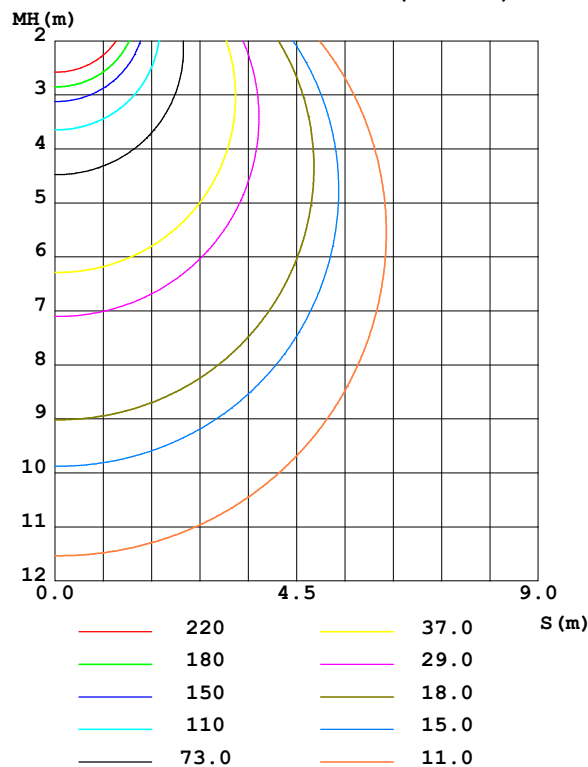
Test:U:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.26 lm/W			
MODEL		I _{max} (cd)	1466	S/MH(C0/180)	1.29
NOMINAL POWER(W)	47.3	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5701.7	η UP,DN(C0-180)	6.8,43.6
NOMINAL FLUX(lm)	5701.66	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°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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1458	1446	1436	1438	1438	1434	1436	1449	0- 10	138.8	138.8	2.43,2.43
20	1419	1382	1350	1364	1371	1355	1349	1392	10- 20	398.9	537.7	9.43,9.43
30	1344	1276	1214	1251	1269	1233	1214	1298	20- 30	609.8	1147	20.1,20.1
40	1238	1136	1039	1105	1140	1078	1042	1170	30- 40	747.8	1895	33.2,33.2
50	1108	970.8	833.3	935.4	986.3	898.3	839.5	1017	40- 50	800.4	2696	47.3,47.3
60	957.6	788.2	605.5	747.6	813.7	702.8	617.0	847.5	50- 60	766.6	3462	60.7,60.7
70	792.0	595.5	364.3	552.3	630.5	498.3	379.8	667.3	60- 70	655.6	4118	72.2,72.2
80	616.7	406.6	137.0	372.8	459.9	314.3	156.0	483.2	70- 80	491.0	4609	80.8,80.8
90	451.5	251.7	17.44	274.0	367.7	212.0	21.44	325.5	80- 90	328.4	4937	86.6,86.6
100	356.5	190.5	10.60	213.5	297.9	158.2	14.76	250.8	90-100	232.1	5169	90.7,90.7
110	293.1	152.7	11.36	159.8	235.4	117.5	17.84	202.9	100-110	177.7	5347	93.8,93.8
120	224.3	118.4	12.90	118.9	173.8	84.37	18.67	156.7	110-120	129.4	5476	96,96
130	182.8	96.00	15.34	89.09	132.5	65.01	20.55	126.4	120-130	91.79	5568	97.7,97.7
140	140.3	70.81	17.90	65.71	95.09	48.61	22.79	97.19	130-140	62.13	5630	98.7,98.7
150	102.7	53.37	20.62	45.68	63.63	35.86	25.64	63.80	140-150	38.07	5668	99.4,99.4
160	71.49	40.67	23.55	30.75	38.92	26.29	28.22	47.51	150-160	20.88	5689	99.8,99.8
170	42.93	35.74	26.46	23.89	24.69	23.69	29.16	36.74	160-170	9.634	5699	100,100
180	26.44	28.68	28.50	28.12	26.43	28.64	28.53	28.21	170-180	2.754	5702	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2294.4 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 3462.3 lm

%lum = 60.7%

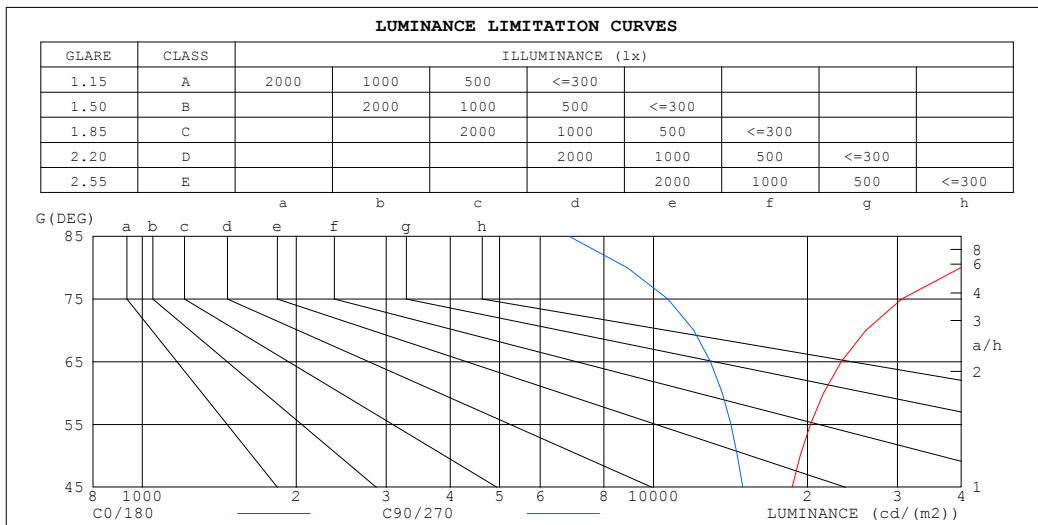
%lamp = 60.7%

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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	68311	6829
80	39888	8883
75	30584	10665
70	26010	11994
65	23291	12932
60	21510	13636
55	20263	14167
50	19363	14597
45	18679	14959

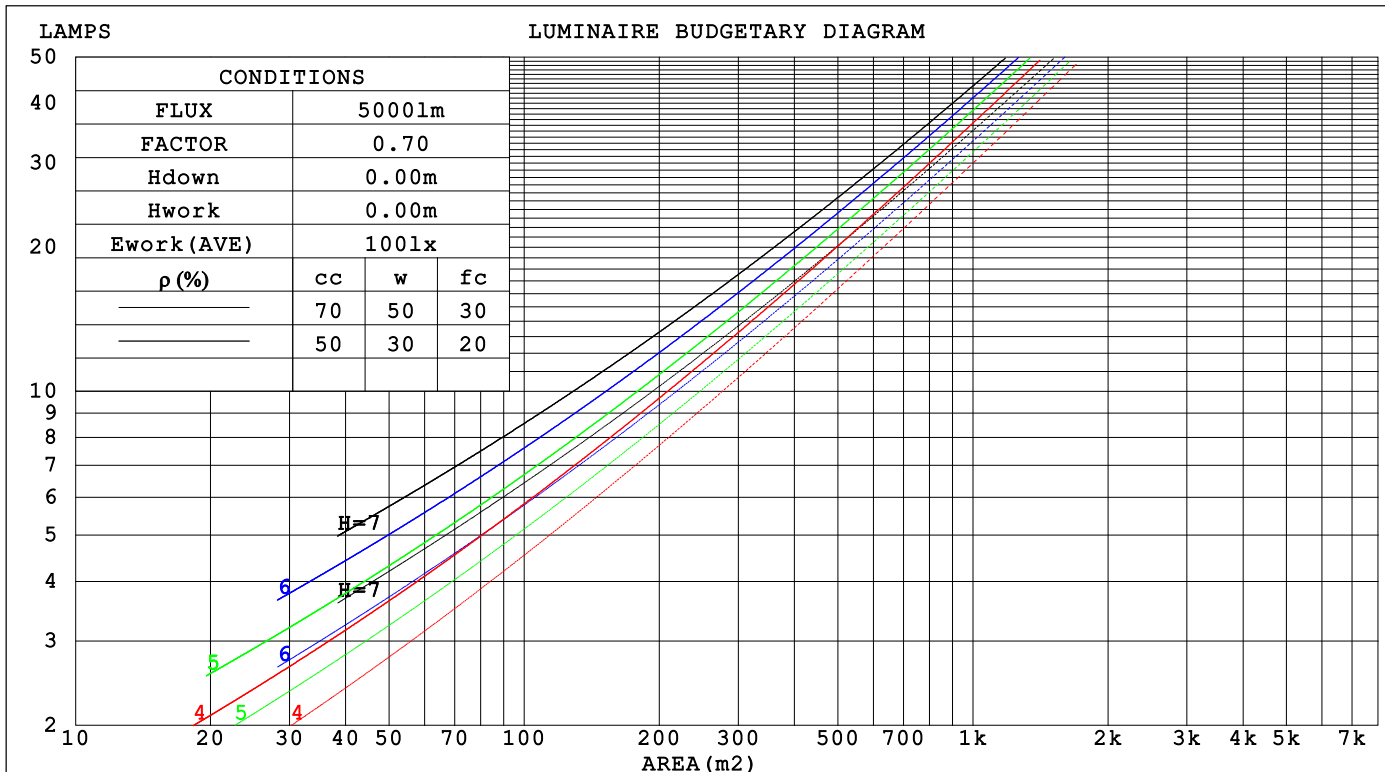
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 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	.50	.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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 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	.310	.179	.057	.292	.169	.055		
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	.142	.043	.245	.134	.041	.231	.128	.040		
4.0	.261	.135	.040	.252	.132	.039	.237	.126	.038	.223	.120	.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	.240	.203	.171	.164	.140	.120	.095	.082	.070	.030	.026	.023		
3.0	.272	.219	.176	.233	.189	.153	.160	.131	.107	.092	.077	.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	.221	.170	.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	.209	.157	.121	.144	.110	.085	.084	.065	.051	.027	.021	.017		
8.0	.236	.176	.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	.062	.048	.026	.020	.016		
10.0	.224	.167	.128	.193	.145	.112	.134	.102	.080	.078	.060	.048	.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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm											
NAME: B15-W3457KA (52W 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		22.9	24.3	23.4	24.8	25.3	21.0	22.4	21.5	22.9	23.4
3H		25.4	26.7	25.9	27.1	27.7	22.4	23.7	22.9	24.2	24.7
4H		26.7	27.9	27.2	28.4	28.9	23.0	24.2	23.5	24.7	25.2
6H		28.1	29.2	28.6	29.7	30.3	23.3	24.4	23.8	24.9	25.5
8H		28.8	29.9	29.4	30.5	31.0	23.3	24.4	23.8	24.9	25.5
12H		29.7	30.8	30.2	31.3	31.9	23.3	24.4	23.9	24.9	25.5
4H 2H		23.5	24.7	24.0	25.2	25.7	22.0	23.3	22.5	23.8	24.3
3H		26.1	27.2	26.7	27.7	28.3	23.6	24.7	24.2	25.3	25.8
4H		27.6	28.6	28.2	29.2	29.8	24.3	25.3	24.9	25.8	26.5
6H		29.2	30.1	29.8	30.7	31.3	24.7	25.6	25.3	26.2	26.8
8H		30.1	30.9	30.7	31.5	32.2	24.8	25.6	25.4	26.2	26.9
12H		31.1	31.9	31.7	32.5	33.2	24.9	25.7	25.5	26.3	26.9
8H 4H		27.9	28.7	28.5	29.3	30.0	25.1	26.0	25.8	26.6	27.2
6H		29.8	30.5	30.4	31.1	31.8	25.9	26.5	26.5	27.2	27.9
8H		30.8	31.5	31.5	32.1	32.8	26.1	26.7	26.7	27.3	28.1
12H		32.1	32.6	32.8	33.3	34.0	26.3	26.8	26.9	27.5	28.2
12H 4H		27.9	28.6	28.5	29.2	29.9	25.4	26.2	26.0	26.8	27.5
6H		29.8	30.5	30.5	31.1	31.8	26.3	26.9	27.0	27.6	28.3
8H		31.0	31.5	31.7	32.2	33.0	26.7	27.2	27.3	27.9	28.6
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 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 5702 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.0)
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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

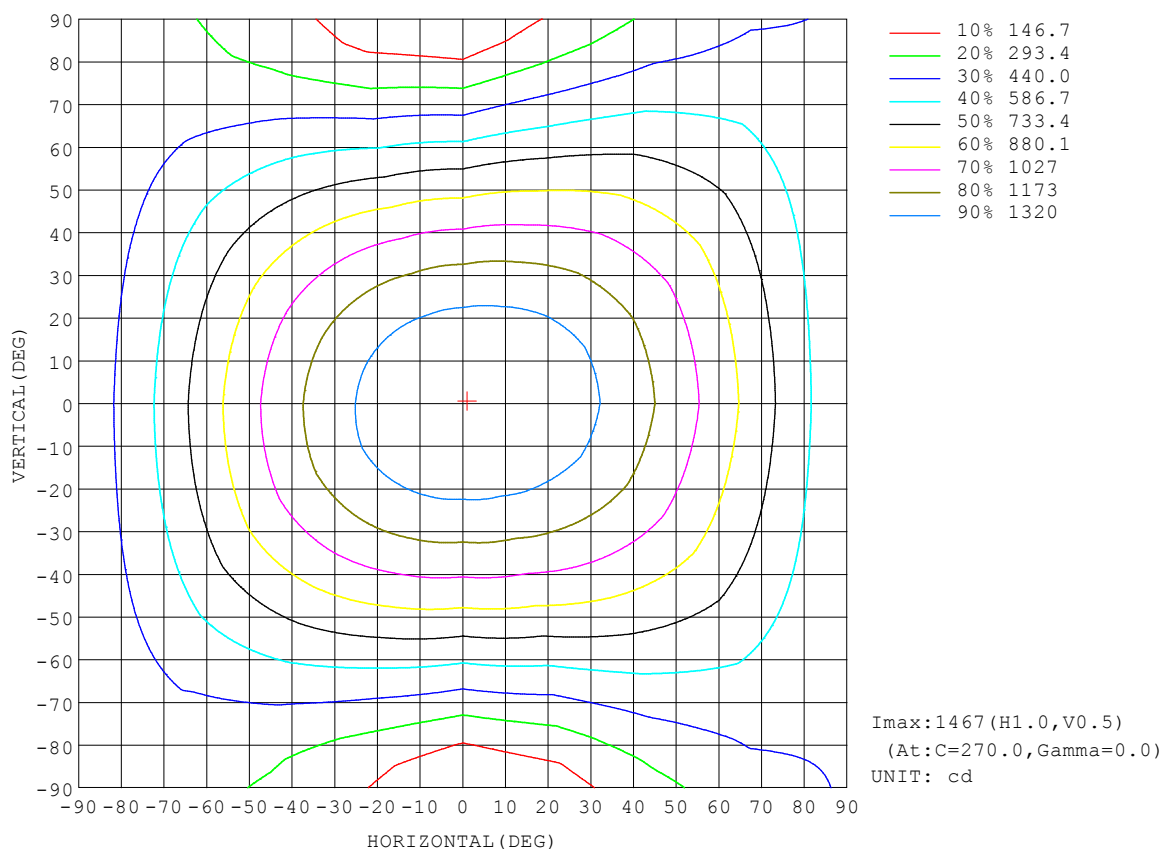
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	38	31	49	38	31	48	37	31	24
0.80	60	47	40	58	47	39	56	45	38	31
1.00	68	55	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	77	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	91	82	74	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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

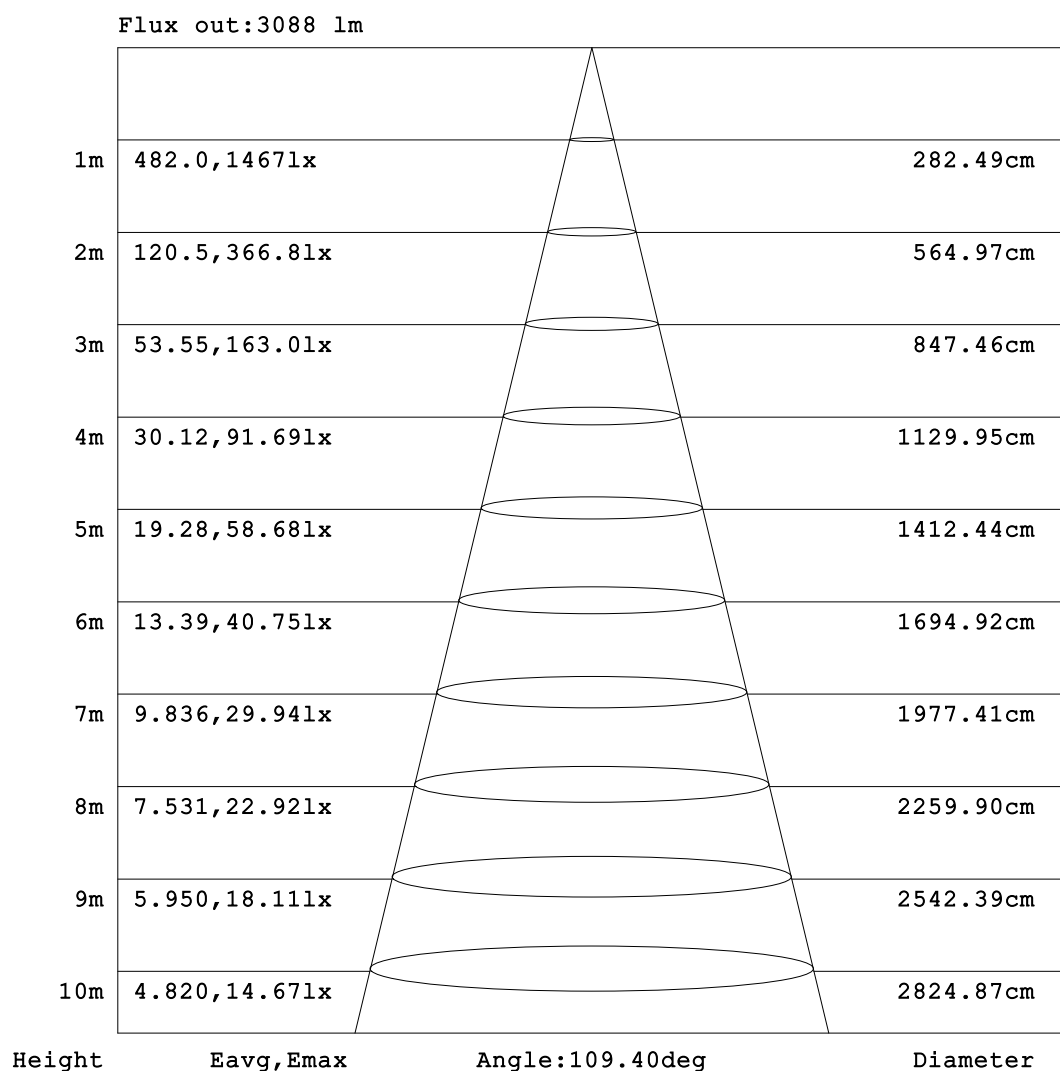


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



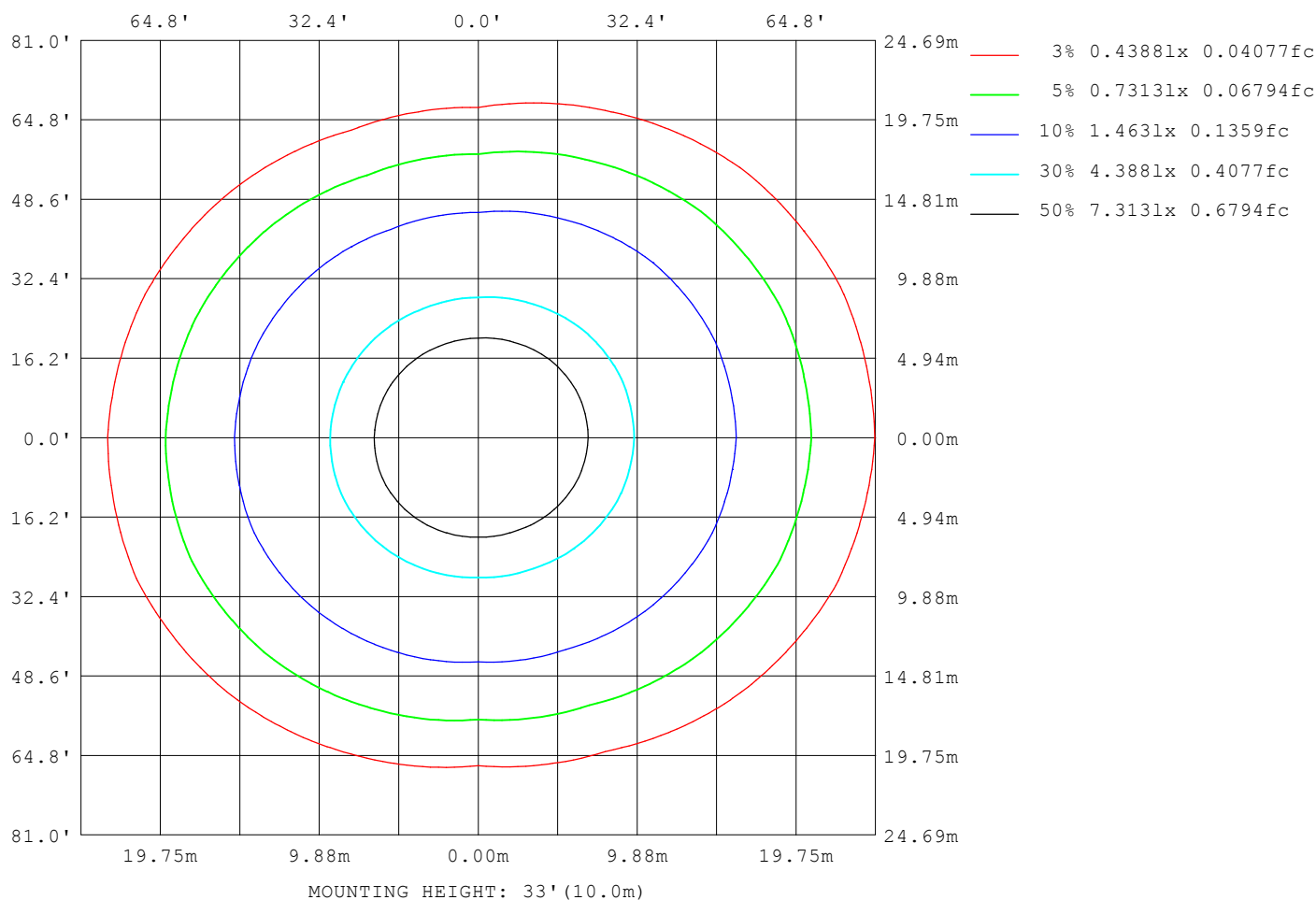
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

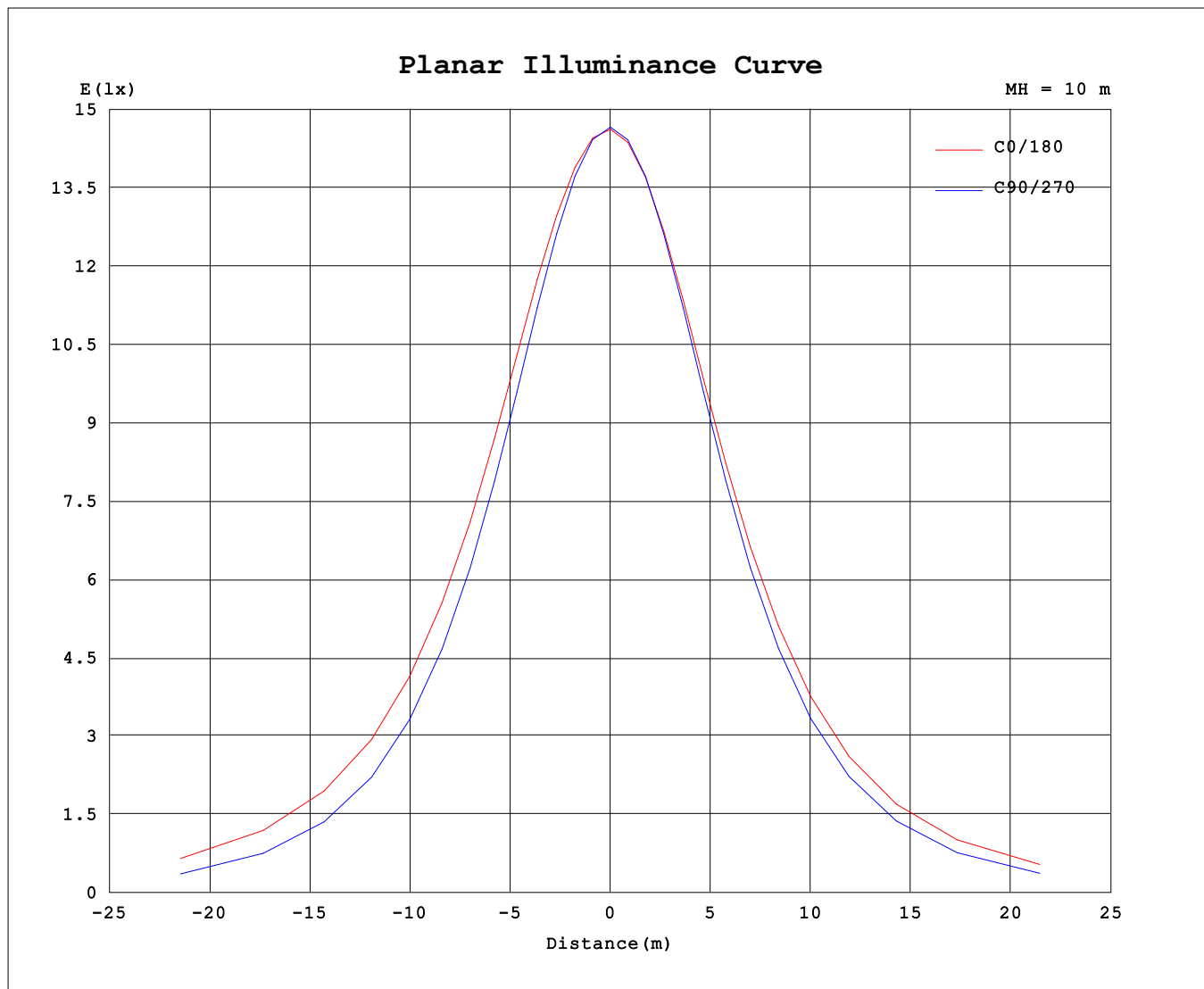
AvgL	cd/m2
L_0~180 (65) av	21285
L_0~180 (75) av	27021
L_0~180 (85) av	60418
L_90~270 (65) av	13084
L_90~270 (75) av	11071
L_90~270 (85) av	7819
L_45 (65) av	17993
L_45 (75) av	21010
L_45 (85) av	41264

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:230.39V I:0.2123A P:47.412W PF:0.9694 Freq:50.00Hz Lamp Flux:5701.66x1 lm		
NAME: B15-W3457KA (52W 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	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466	1466			
5	1465	1465	1462	1460	1458	1458	1457	1457	1457	1456	1456	1457	1458	1460	1463	1465			
10	1458	1455	1446	1440	1436	1437	1438	1439	1438	1436	1434	1433	1436	1440	1449	1455			
15	1442	1436	1419	1406	1400	1403	1406	1411	1409	1405	1400	1396	1399	1409	1425	1438			
20	1419	1407	1382	1359	1350	1356	1364	1373	1371	1364	1355	1347	1349	1365	1392	1411			
25	1386	1370	1334	1301	1288	1298	1312	1326	1324	1314	1298	1285	1287	1311	1349	1376			
30	1344	1324	1276	1232	1214	1229	1251	1271	1269	1256	1233	1213	1214	1247	1298	1332			
35	1295	1269	1210	1153	1131	1152	1182	1208	1208	1190	1159	1131	1132	1175	1237	1280			
40	1238	1207	1136	1066	1039	1066	1105	1139	1140	1117	1078	1041	1042	1095	1170	1221			
45	1176	1138	1057	972	939	974	1023	1064	1066	1039	991	946	944	1008	1097	1156			
50	1108	1065	971	872	833	877	935	984	986	954	898	843	840	917	1017	1086			
55	1035	986	881	768	722	774	843	898	902	866	802	736	730	821	934	1011			
60	958	904	788	660	606	669	748	809	814	775	703	625	617	721	847	931			
65	876	819	692	547	485	560	650	716	722	680	602	512	497	620	758	849			
70	792	731	596	434	364	452	552	623	631	585	498	399	380	518	667	763			
75	705	641	499	326	245	350	457	530	538	494	401	291	264	418	575	675			
80	617	551	407	225	137	257	373	449	460	413	314	190	156	323	483	587			
85	530	463	321	140	52.9	186	311	392	406	356	248	113	68.3	238	398	501			
90	452	387	252	84.7	17.4	149	274	354	368	318	212	74.0	21.4	174	325	424			
95	393	335	214	66.3	11.5	124	242	319	332	284	183	55.5	15.0	143	279	369			
100	357	303	191	56.8	10.6	103	213	286	298	253	158	43.9	14.8	125	251	335			
105	324	275	170	51.1	10.7	87.6	187	255	266	224	137	36.5	16.0	110	226	304			
110	293	248	153	47.9	11.4	74.9	160	225	235	197	117	31.9	17.8	99.1	203	274			
115	263	212	133	45.9	12.0	64.4	135	190	202	163	97.0	28.5	18.1	87.6	170	242			
120	224	189	118	43.2	12.9	54.6	119	166	174	142	84.4	25.8	18.7	78.9	157	209			
125	203	172	107	41.8	14.1	48.3	103	146	154	126	74.1	24.4	19.2	71.0	141	190			
130	183	153	96.0	39.7	15.3	42.8	89.1	125	133	108	65.0	23.2	20.6	63.7	126	168			
135	161	135	83.8	37.3	16.6	38.1	76.9	106	113	92.2	56.7	22.4	21.6	56.2	113	148			
140	140	119	70.8	33.8	17.9	34.1	65.7	89.7	95.1	78.3	48.6	21.4	22.8	50.4	97.2	129			
145	121	103	61.8	30.7	19.3	30.4	54.9	74.8	78.7	65.4	41.8	21.3	24.0	45.0	75.3	112			
150	103	85.9	53.4	30.8	20.6	27.2	45.7	60.9	63.6	53.5	35.9	21.4	25.6	41.7	63.8	96.1			
155	86.1	66.5	46.0	31.6	22.0	24.5	37.6	48.8	50.2	43.2	30.6	21.7	27.1	38.1	56.2	82.0			
160	71.5	53.4	40.7	32.0	23.5	23.3	30.7	38.2	38.9	34.4	26.3	22.3	28.2	37.6	47.5	65.5			
165	58.6	43.2	38.5	31.9	25.0	23.0	25.8	29.1	29.5	27.4	24.2	23.6	28.9	36.0	39.4	46.8			
170	42.9	35.7	35.7	31.2	26.5	23.7	23.9	24.6	24.7	24.4	23.7	25.1	29.2	34.0	36.7	34.7			
175	31.1	32.9	32.4	30.0	27.6	25.7	24.5	23.9	24.1	24.6	25.4	26.8	29.0	31.3	32.7	31.3			
180	26.4	28.5	28.7	28.6	28.5	28.4	28.1	27.6	26.4	28.5	28.6	28.5	28.5	28.4	28.2	27.7			

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