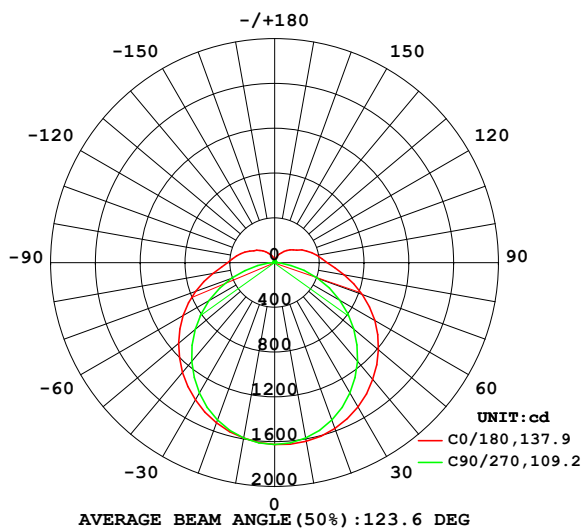


LUMINAIRE PHOTOMETRIC TEST REPORT

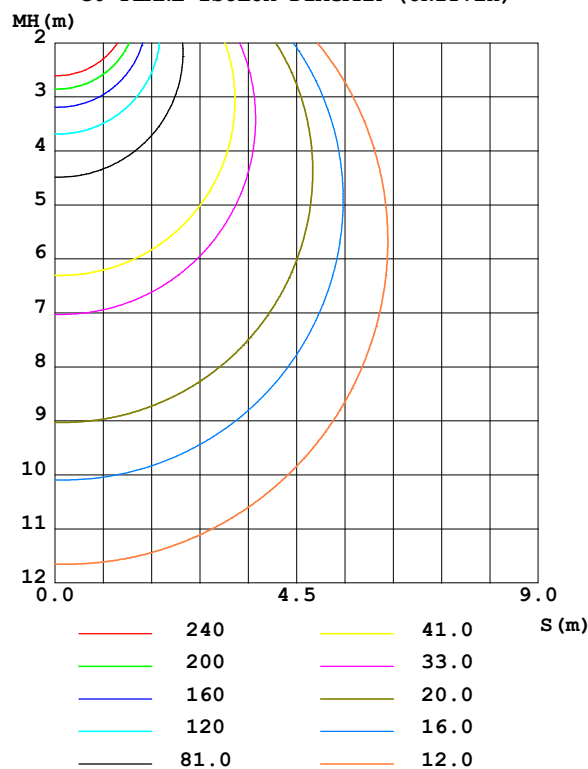
Test:U:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.56 lm/W			
MODEL		I _{max} (cd)	1628	S/MH(C0/180)	1.30
NOMINAL POWER(W)	54.9	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6326.5	η UP,DN(C0-180)	6.8,43.6
NOMINAL FLUX(lm)	6326.46	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	1621	1609	1592	1591	1592	1589	1591	1610	0- 10	153.9	153.9	2.43,2.43
20	1575	1540	1496	1511	1523	1504	1495	1545	10- 20	442.7	596.5	9.43,9.43
30	1488	1423	1346	1388	1417	1375	1346	1434	20- 30	677.1	1274	20.1,20.1
40	1365	1267	1152	1231	1281	1211	1152	1284	30- 40	830.6	2104	33.3,33.3
50	1211	1080	924.3	1048	1122	1021	926.3	1104	40- 50	889.7	2994	47.3,47.3
60	1033	871.6	672.3	847.9	944.1	814.4	676.6	903.8	50- 60	852.9	3847	60.8,60.8
70	835.4	651.9	405.0	639.5	753.2	601.1	409.1	691.1	60- 70	730.2	4577	72.3,72.3
80	631.8	438.1	149.0	437.5	561.6	394.4	155.6	478.8	70- 80	546.0	5123	81,81
90	469.7	287.2	10.04	297.6	420.2	254.6	10.29	324.4	80- 90	358.6	5482	86.6,86.6
100	383.0	217.6	9.680	236.2	348.1	198.3	9.245	254.0	90-100	256.2	5738	90.7,90.7
110	306.9	167.0	12.39	178.2	283.3	153.2	11.70	192.3	100-110	197.2	5935	93.8,93.8
120	228.0	124.4	14.83	141.9	216.2	117.9	14.30	146.7	110-120	142.9	6078	96.1,96.1
130	179.7	96.34	17.57	112.6	172.4	94.88	17.08	113.6	120-130	101.7	6180	97.7,97.7
140	131.4	66.68	20.04	88.11	128.8	75.24	19.81	81.28	130-140	68.67	6248	98.8,98.8
150	91.18	47.10	22.54	66.20	92.00	58.29	22.37	53.41	140-150	42.03	6290	99.4,99.4
160	59.43	35.89	24.77	48.71	61.71	41.67	24.48	38.29	150-160	22.97	6313	99.8,99.8
170	34.91	29.95	26.16	33.29	36.93	32.02	26.02	30.48	160-170	10.29	6324	100,100
180	26.68	26.57	26.60	26.62	26.72	26.62	26.66	26.60	170-180	2.756	6326	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2547.8 lm

%lum = 40.3%

%lamp = 40.3%

Conical surface Flux(120deg): 3846.9 lm

%lum = 60.8%

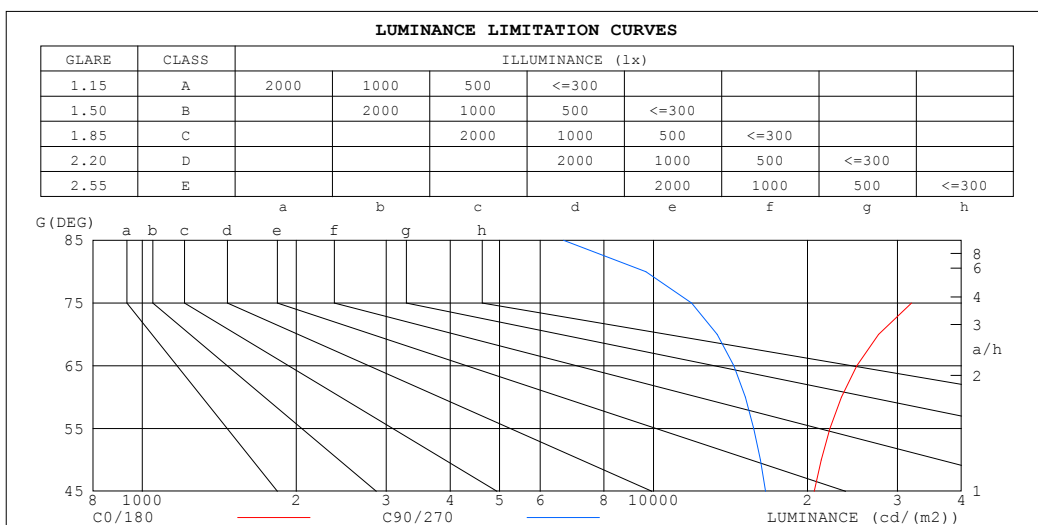
%lamp = 60.8%

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
 γ 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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	69854	6669
80	41072	9654
75	31951	11863
70	27571	13318
65	24991	14354
60	23319	15124
55	22139	15712
50	21272	16174
45	20612	16573

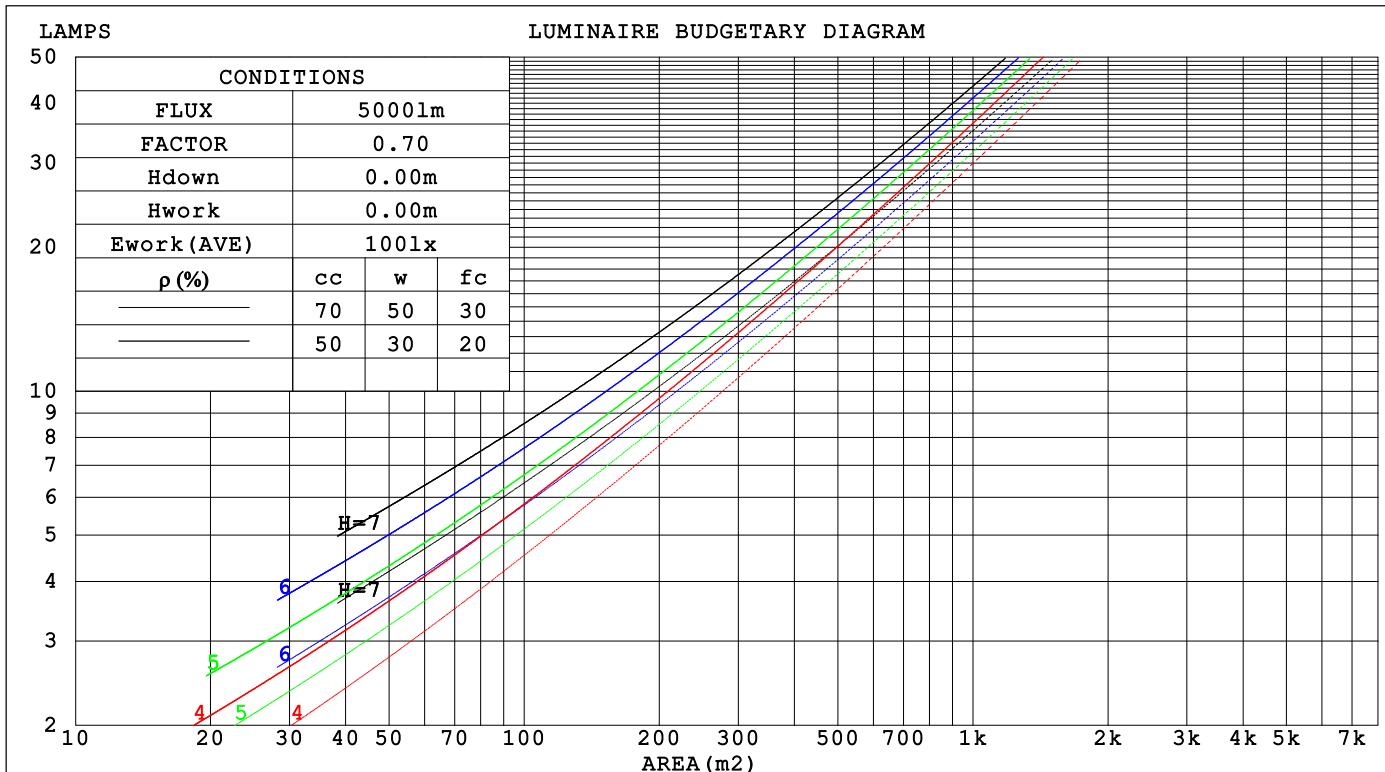
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 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	.66	.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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 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	.349	.199	.063	.328	.188	.060	.309	.178	.057	.291	.169	.054		
2.0	.320	.175	.054	.309	.170	.053	.290	.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	.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	.200	.102	.030	.188	.098	.029	.177	.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	.292	.292	.292	.250	.250	.250	.170	.170	.170	.098	.098	.098	.031	.031	.031		
1.0	.286	.258	.233	.245	.222	.200	.168	.152	.139	.096	.088	.081	.031	.028	.026		
2.0	.279	.235	.198	.239	.202	.171	.164	.140	.119	.094	.081	.070	.030	.026	.023		
3.0	.272	.218	.176	.233	.188	.152	.160	.131	.107	.092	.076	.063	.030	.025	.021		
4.0	.264	.206	.161	.226	.178	.140	.156	.124	.098	.090	.072	.058	.029	.024	.019		
5.0	.256	.196	.151	.220	.169	.131	.152	.118	.093	.088	.069	.055	.028	.023	.018		
6.0	.249	.187	.143	.214	.162	.125	.148	.114	.088	.086	.067	.052	.028	.022	.017		
7.0	.242	.181	.138	.208	.157	.120	.144	.110	.085	.084	.065	.051	.027	.021	.017		
8.0	.235	.175	.134	.203	.152	.117	.140	.107	.083	.082	.063	.049	.026	.021	.016		
9.0	.229	.170	.131	.197	.148	.114	.137	.104	.081	.080	.061	.048	.026	.020	.016		
10.0	.223	.166	.128	.193	.144	.112	.134	.102	.079	.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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm										
NAME: B15-W3457KA (60W 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	23.2	24.6	23.7	25.0	25.5	21.5	22.9	21.9	23.3	23.8
3H	25.6	26.9	26.0	27.3	27.8	22.9	24.2	23.4	24.6	25.1
4H	26.8	28.0	27.3	28.5	29.0	23.4	24.6	23.9	25.1	25.7
6H	28.1	29.3	28.6	29.8	30.3	23.7	24.9	24.2	25.4	25.9
8H	28.8	29.9	29.3	30.4	31.0	23.7	24.9	24.3	25.4	25.9
12H	29.6	30.7	30.2	31.2	31.8	23.7	24.8	24.3	25.3	25.9
4H 2H	23.7	25.0	24.2	25.4	26.0	22.4	23.7	22.9	24.2	24.7
3H	26.3	27.4	26.9	27.9	28.5	24.1	25.2	24.6	25.7	26.3
4H	27.7	28.7	28.3	29.3	29.9	24.7	25.7	25.3	26.3	26.9
6H	29.2	30.1	29.8	30.7	31.4	25.2	26.1	25.8	26.6	27.3
8H	30.1	30.9	30.7	31.5	32.1	25.3	26.1	25.9	26.7	27.4
12H	31.0	31.8	31.6	32.4	33.1	25.3	26.1	26.0	26.7	27.4
8H 4H	28.0	28.8	28.6	29.4	30.1	25.5	26.4	26.1	26.9	27.6
6H	29.8	30.5	30.4	31.1	31.8	26.2	26.9	26.9	27.6	28.3
8H	30.8	31.4	31.4	32.1	32.8	26.5	27.1	27.1	27.7	28.5
12H	32.0	32.5	32.7	33.2	34.0	26.7	27.2	27.3	27.9	28.6
12H 4H	28.0	28.8	28.6	29.4	30.1	25.7	26.5	26.4	27.1	27.8
6H	29.9	30.5	30.5	31.1	31.8	26.6	27.3	27.3	27.9	28.6
8H	31.0	31.5	31.6	32.2	32.9	27.0	27.6	27.7	28.2	29.0
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 / - 0.4				

CIE Pub.117, 6326 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.4$)
Area: 0.08886 m²

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:

UTILIZATION FACTORS TABLE

Test:U:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

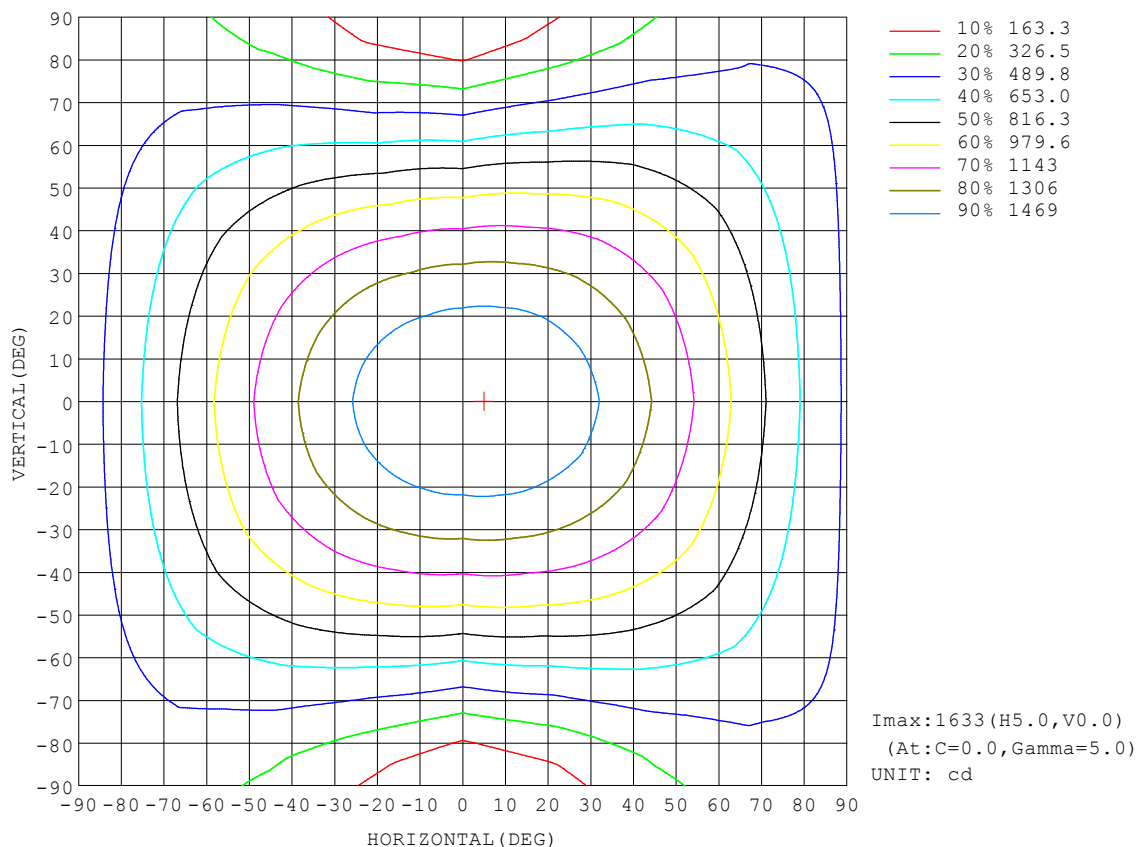
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	38	31	50	38	31	48	37	31	24
0.80	60	47	40	59	47	39	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	80	74	62
4.00	100	92	86	96	90	84	90	84	80	67
5.00	102	96	91	99	93	88	92	87	84	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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

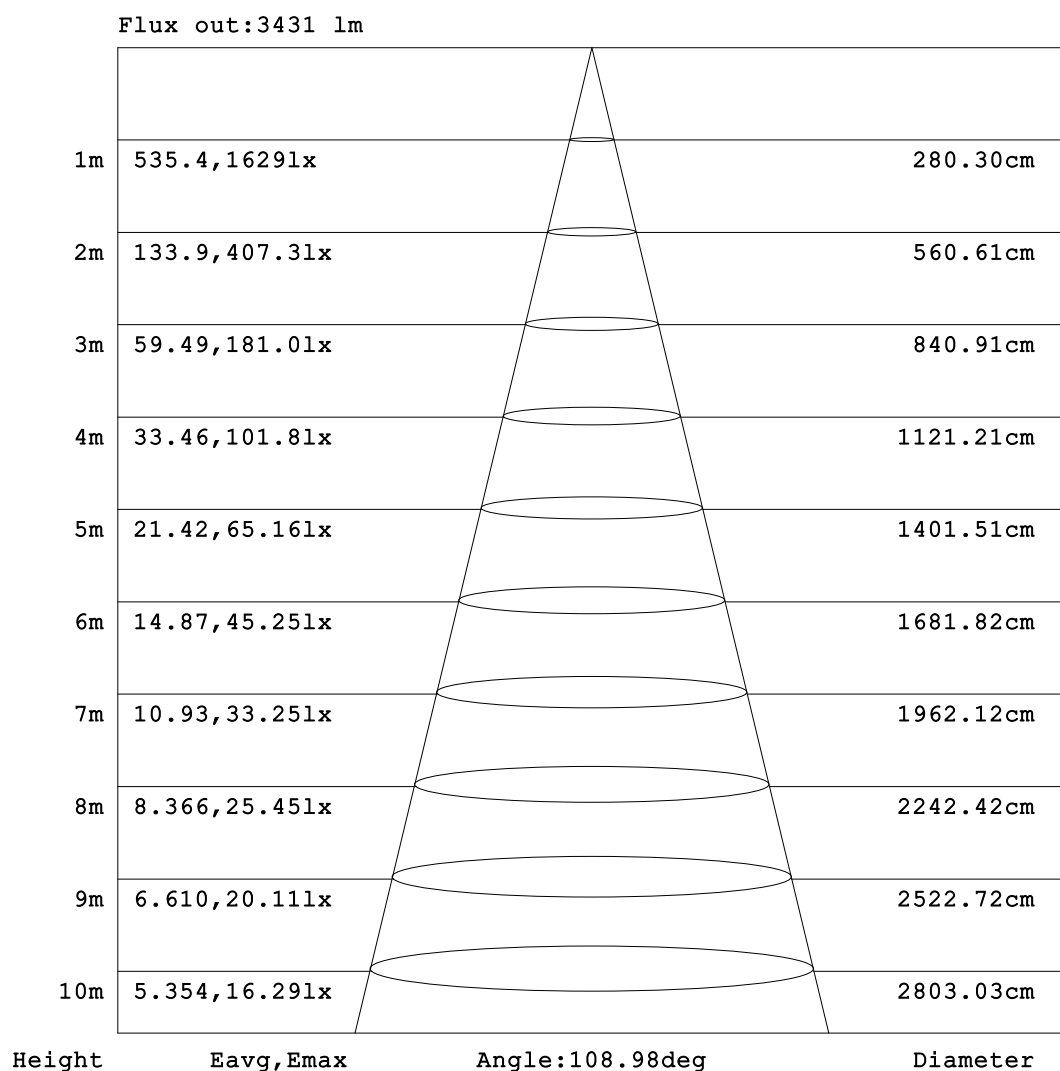


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



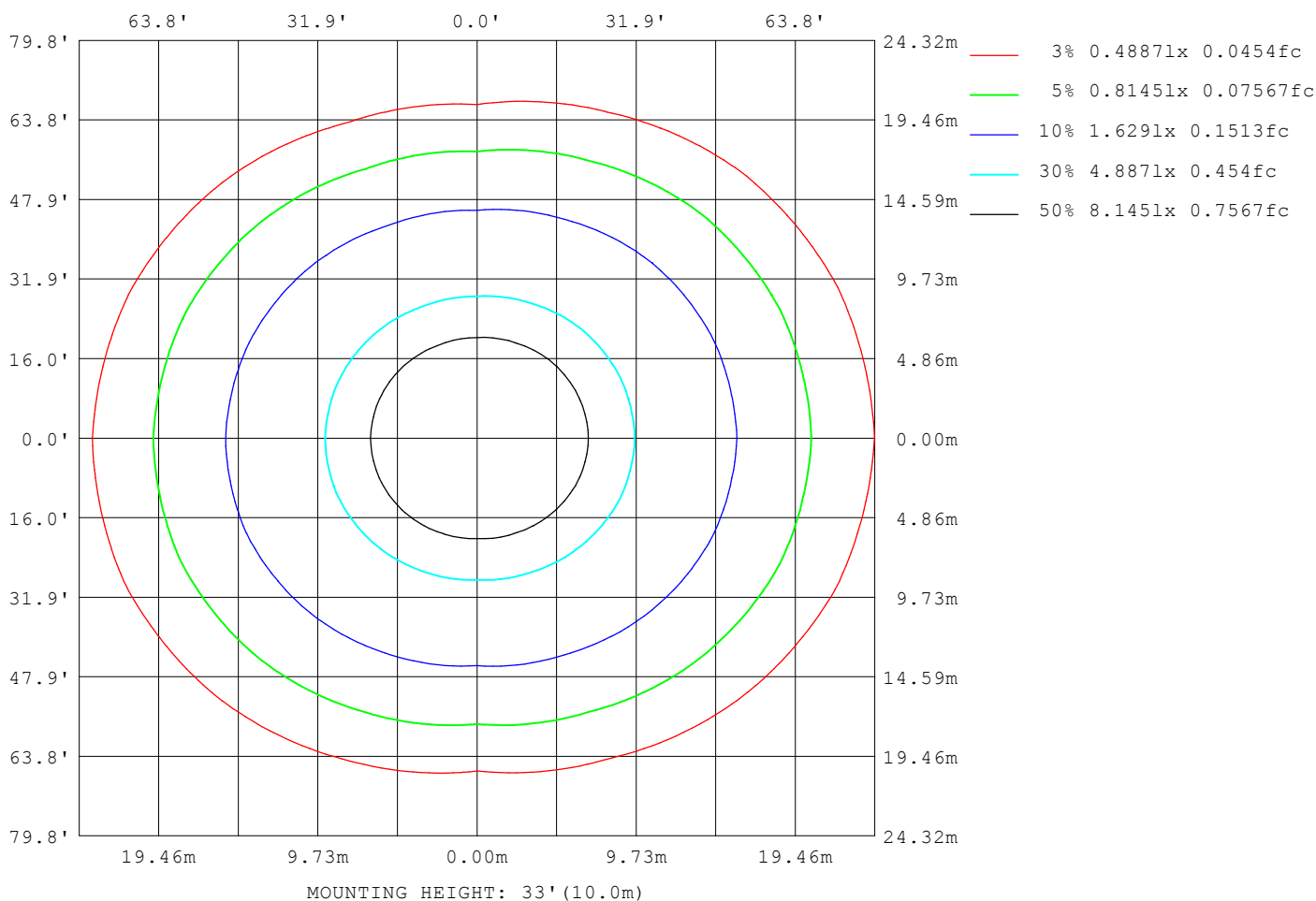
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm		
NAME: B15-W3457KA (60W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

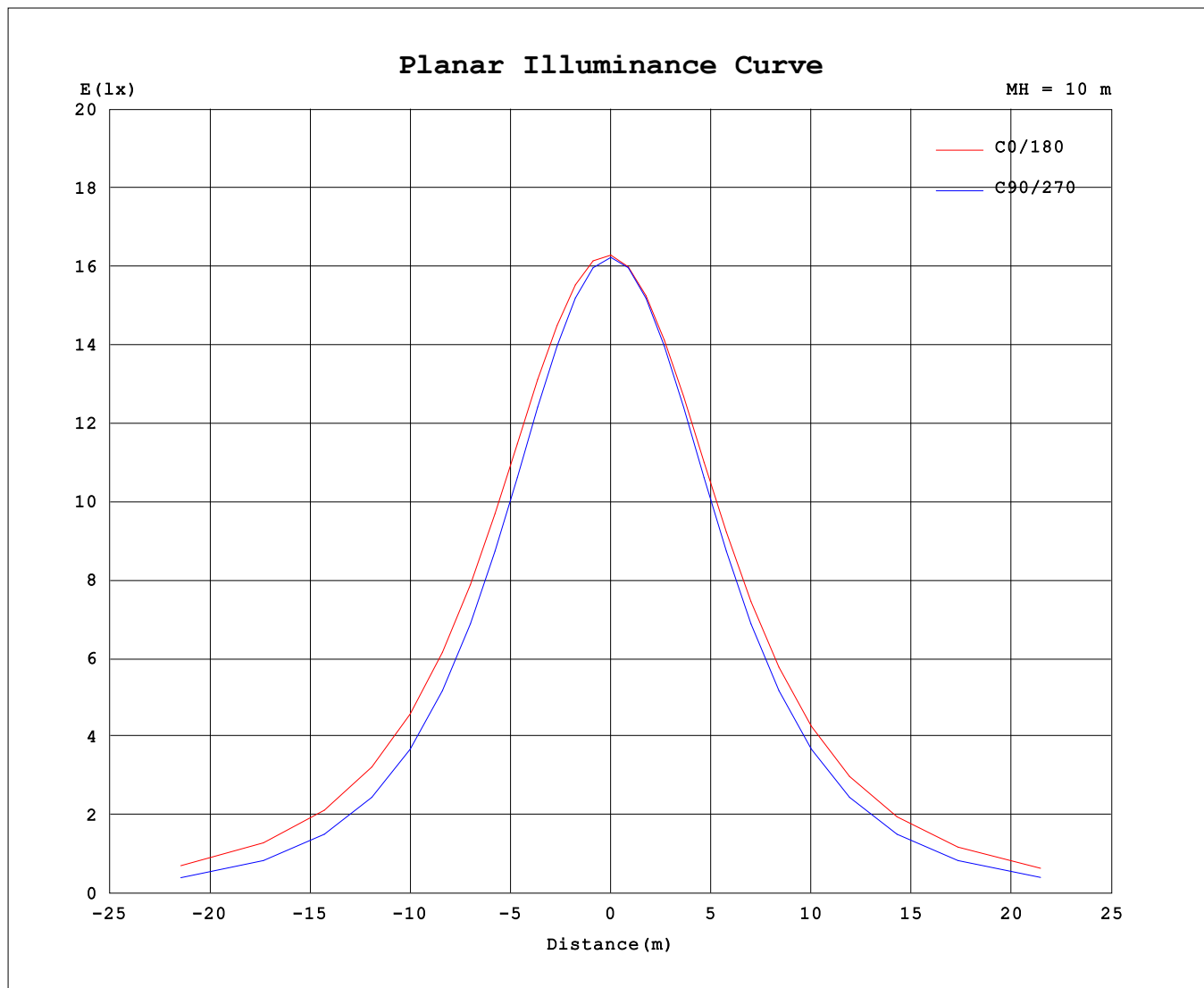
AvgL	cd/m2
L_0~180 (65) av	23768
L_0~180 (75) av	30182
L_0~180 (85) av	65563
L_90~270 (65) av	14418
L_90~270 (75) av	11979
L_90~270 (85) av	7005
L_45 (65) av	20054
L_45 (75) av	23414
L_45 (85) av	45082

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:230.37V I:0.2433A P:54.747W PF:0.9768 Freq:50.00Hz Lamp Flux:6326.46x1 lm																	
NAME: B15-W3457KA (60W 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	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624	1624			
5	1628	1627	1623	1619	1616	1615	1614	1613	1613	1612	1613	1613	1613	1616	1619	1624	1627		
10	1621	1618	1609	1599	1592	1590	1591	1593	1592	1590	1589	1587	1591	1599	1610	1618			
15	1603	1598	1581	1564	1551	1552	1557	1563	1562	1558	1552	1546	1551	1564	1584	1598			
20	1575	1565	1540	1514	1496	1500	1511	1523	1523	1516	1504	1491	1495	1515	1545	1566			
25	1537	1522	1488	1451	1427	1436	1455	1473	1474	1463	1444	1424	1427	1454	1495	1524			
30	1488	1469	1423	1376	1346	1361	1388	1414	1417	1402	1375	1345	1346	1380	1434	1472			
35	1430	1406	1350	1289	1254	1276	1313	1347	1352	1332	1296	1257	1254	1297	1363	1411			
40	1365	1335	1267	1194	1152	1182	1231	1274	1281	1256	1211	1160	1152	1205	1284	1342			
45	1291	1257	1176	1091	1042	1081	1142	1195	1204	1175	1118	1056	1043	1105	1197	1265			
50	1211	1172	1080	981	924	974	1048	1111	1122	1088	1021	945	926	999	1104	1182			
55	1125	1081	978	865	801	862	950	1022	1035	996	919	830	804	887	1006	1093			
60	1033	985	872	745	672	747	848	928	944	901	814	711	677	772	904	998			
65	936	884	762	623	539	630	744	832	849	803	708	589	544	654	798	899			
70	835	781	652	495	405	510	639	734	753	703	601	468	409	536	691	797			
75	733	677	542	375	273	396	536	636	656	604	493	350	278	420	583	694			
80	632	575	438	263	149	291	438	537	562	509	394	241	156	312	479	593			
85	539	480	346	170	51.7	204	353	454	476	426	309	153	56.8	220	388	501			
90	470	413	287	114	10.0	150	298	396	420	370	255	102	10.3	162	324	435			
95	425	371	248	89.8	8.50	126	265	360	383	335	224	81.3	8.12	134	287	392			
100	383	333	218	74.1	9.68	107	236	327	348	302	198	68.0	9.24	113	254	352			
105	344	298	191	63.4	11.0	93.2	211	295	315	272	176	59.1	10.5	97.1	225	315			
110	307	265	167	56.4	12.4	82.6	178	265	283	243	153	53.5	11.7	84.7	192	280			
115	271	223	140	51.2	13.6	73.7	155	226	247	205	132	49.1	13.0	73.9	164	239			
120	228	196	124	45.5	14.8	65.0	142	202	216	183	118	44.9	14.3	64.3	147	208			
125	204	175	110	42.4	16.4	60.0	127	180	197	165	106	42.7	15.7	57.6	129	184			
130	180	152	96.3	38.7	17.6	55.3	113	158	172	145	94.9	40.8	17.1	50.9	114	160			
135	154	132	82.3	34.9	18.8	51.3	100	138	150	127	85.0	39.2	18.5	44.3	96.5	139			
140	131	113	66.7	32.1	20.0	47.9	88.1	120	129	111	75.2	37.6	19.8	39.4	81.3	119			
145	110	95.7	55.3	28.6	21.2	44.5	76.4	103	110	95.1	66.2	33.7	21.1	35.2	63.5	100			
150	91.2	76.2	47.1	28.4	22.5	38.4	66.2	87.0	92.0	80.6	58.3	32.8	22.4	32.1	53.4	83.4			
155	74.2	59.7	40.3	28.3	23.7	36.1	57.1	72.8	75.8	67.6	51.0	31.6	23.5	30.8	44.7	68.9			
160	59.4	45.4	35.9	27.9	24.8	33.5	48.7	60.2	61.7	56.0	41.7	30.3	24.5	30.1	38.3	49.7			
165	46.5	37.1	33.1	27.4	25.6	31.1	39.2	45.0	48.8	42.7	36.5	29.0	25.3	28.8	33.7	35.8			
170	34.9	31.4	29.9	26.9	26.2	28.9	33.3	36.6	36.9	35.3	32.0	27.9	26.0	27.5	30.5	30.9			
175	27.9	28.3	27.5	26.6	26.5	27.3	28.8	30.0	30.0	29.4	28.2	27.1	26.5	26.8	27.5	27.8			
180	26.7	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.6	26.6	26.6	26.7	26.5	26.6	26.6			

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