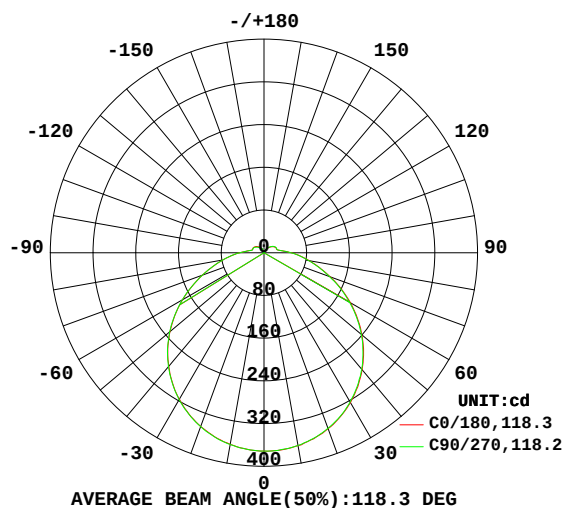


LUMINAIRE PHOTOMETRIC TEST REPORT

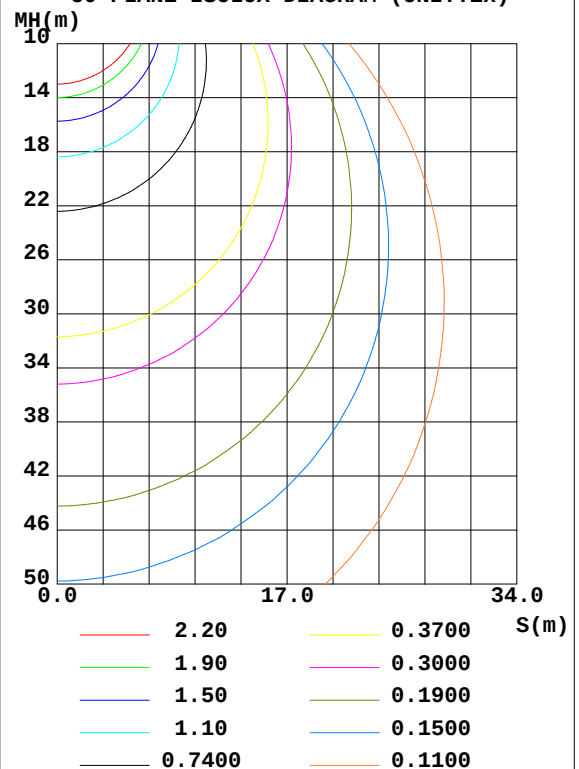
Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.69 lm/W
MODEL	PSZ2S220523001-10	I _{max} (cd)	371.9	S/MH(C0/180)	1.29	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1325.7	η UP, DN(C0-180)	4.7, 44.6	
NOMINAL FLUX(lm)	1325.73	CIE CLASS	DIRECT	η UP, DN(C180-360)	5.0, 45.7	
LAMPS INSIDE	1	η up(%)	9.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	90.3	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [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	364.3	363.8	364.6	367.0	366.9	366.9	366.4	365.8	0- 10	35.17	35.17	2.65, 2.65
20	346.5	344.7	346.5	349.9	350.7	351.5	350.0	347.8	10- 20	101.2	136.4	10.3, 10.3
30	316.8	315.7	317.7	322.2	324.0	324.3	322.5	318.9	20- 30	154.8	291.1	22, 22
40	277.5	275.6	278.3	284.0	285.7	287.0	284.5	280.1	30- 40	189.0	480.1	36.2, 36.2
50	229.8	227.5	230.7	236.9	239.4	240.9	237.9	232.4	40- 50	199.8	679.9	51.3, 51.3
60	176.1	173.3	176.7	183.5	186.6	188.5	185.1	179.1	50- 60	186.2	866.1	65.3, 65.3
70	122.8	119.9	122.8	129.3	131.8	134.0	130.5	124.6	60- 70	152.2	1018	76.8, 76.8
80	78.21	75.96	78.39	83.48	85.92	88.49	85.17	79.94	70- 80	109.3	1128	85.1, 85.1
90	46.08	44.21	45.76	49.15	51.47	53.68	50.97	47.11	80- 90	70.18	1198	90.3, 90.3
100	25.97	24.71	25.80	27.48	28.37	29.86	28.58	26.62	90-100	39.82	1238	93.4, 93.4
110	22.64	21.64	22.27	23.34	24.62	25.76	25.11	23.70	100-110	25.67	1263	95.3, 95.3
120	21.36	20.21	20.44	21.31	22.42	23.52	23.06	21.90	110-120	22.82	1286	97, 97
130	18.26	16.83	16.64	17.07	17.68	18.75	18.47	18.05	120-130	17.83	1304	98.4, 98.4
140	13.99	14.06	11.97	11.99	11.69	12.97	12.74	12.89	130-140	11.87	1316	99.3, 99.3
150	8.864	7.711	8.036	7.672	6.056	7.973	6.588	7.632	140-150	6.426	1322	99.7, 99.7
160	3.676	2.646	4.089	4.255	2.895	3.008	3.465	2.701	150-160	2.565	1325	99.9, 99.9
170	2.966	2.069	2.960	2.239	1.885	2.261	2.533	1.783	160-170	0.7772	1326	100, 100
180	0.4777	0	0.2738	0	0.6207	0.6198	0.6232	0.6216	170-180	0.1685	1326	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 580.21 lm

%lum = 43.8%

%lamp = 43.8%

Conical surface Flux(120deg): 866.09 lm

%lum = 65.3%

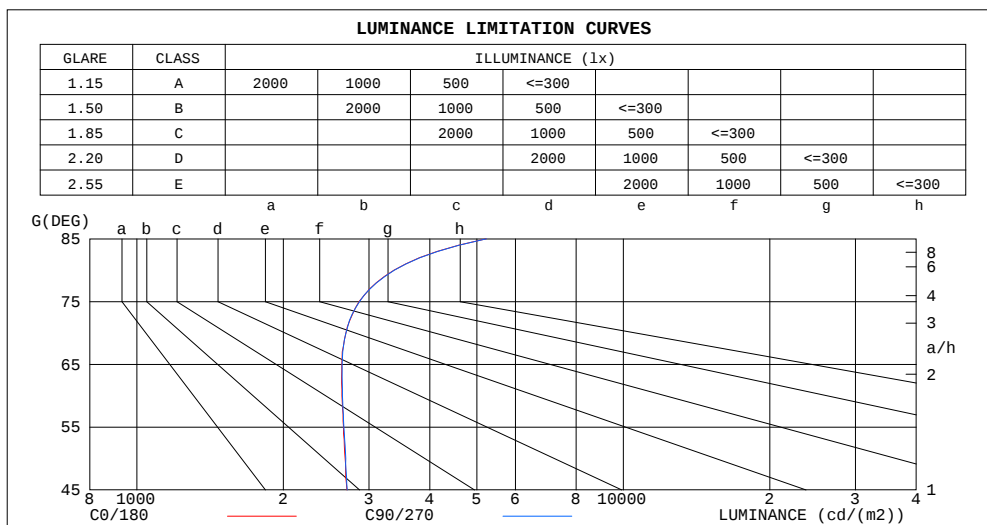
%lamp = 65.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5221	5227
80	3376	3381
75	2863	2868
70	2690	2690
65	2637	2643
60	2640	2646
55	2659	2663
50	2679	2688
45	2702	2707

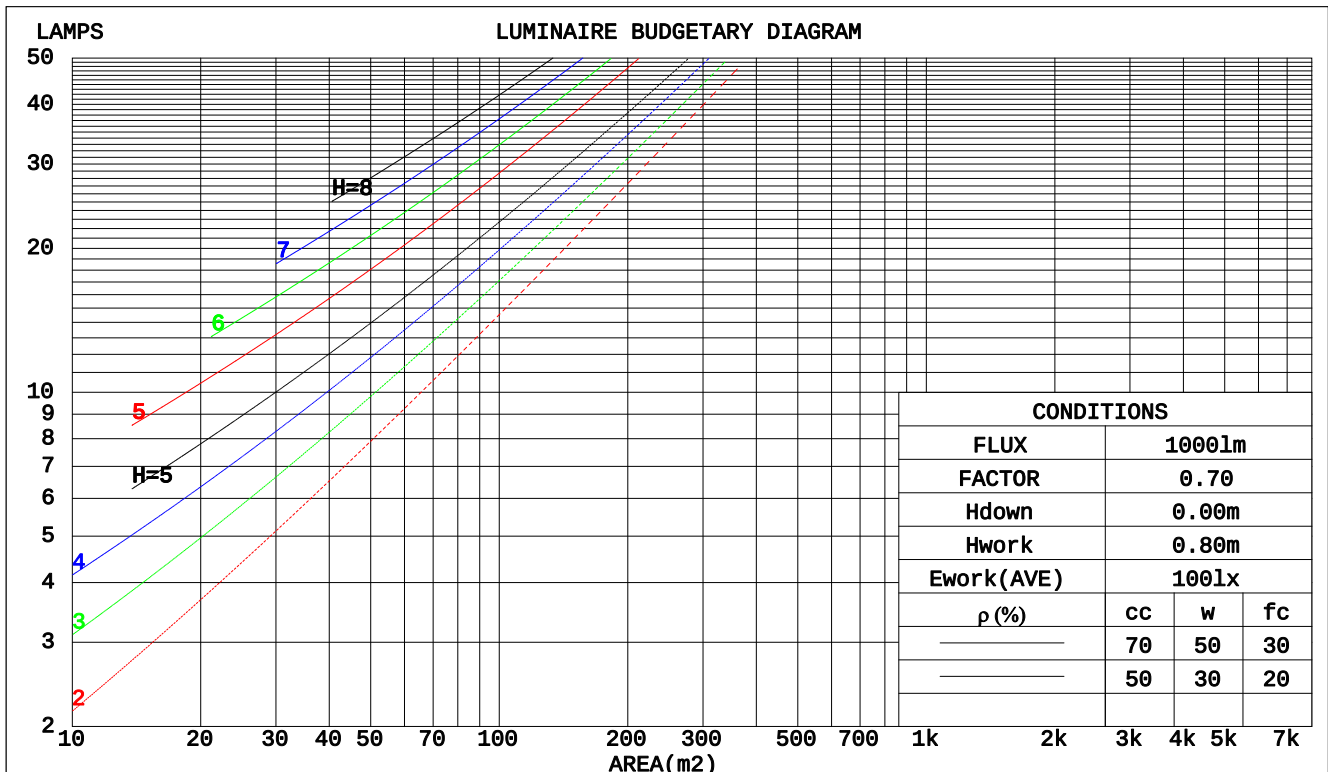
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	.99	.94	.90	.96	.92	.88	.90	.86	.83	.84	.81	.79	.79	.77	.75	.72
2.0	.86	.78	.72	.83	.76	.70	.78	.72	.67	.73	.68	.64	.69	.65	.61	.59
3.0	.75	.66	.59	.72	.64	.58	.68	.61	.56	.64	.58	.54	.60	.55	.51	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.51	.45	.53	.48	.44	.41
5.0	.59	.49	.43	.57	.48	.42	.54	.46	.41	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.44	.37	.51	.43	.36	.48	.41	.35	.46	.39	.34	.43	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.26	.37	.30	.25	.35	.29	.24	.33	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.26	.22	.31	.25	.21	.20



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm									
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K					TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A	
MFR.: ASD Lighting corp					SUR.:N/A			Shielding Angle:N/A	

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	.353	.201	.064	.343	.196	.062	.324	.186	.059	.307	.177	.057	.291	.168	.054	
2.0	.315	.173	.053	.306	.168	.052	.289	.161	.050	.273	.153	.048	.259	.146	.046	
3.0	.284	.151	.045	.276	.148	.045	.261	.141	.043	.247	.135	.041	.234	.129	.040	
4.0	.258	.134	.039	.251	.131	.039	.238	.126	.038	.225	.121	.036	.213	.116	.035	
5.0	.237	.121	.035	.230	.118	.034	.218	.113	.033	.206	.109	.032	.195	.104	.031	
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.190	.099	.029	.181	.095	.028	
7.0	.202	.100	.028	.197	.098	.028	.186	.094	.027	.177	.091	.026	.168	.087	.026	
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.165	.084	.024	.157	.081	.023	
9.0	.175	.085	.024	.171	.083	.023	.163	.080	.023	.155	.078	.022	.147	.075	.022	
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.145	.072	.021	.138	.070	.020	

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	.264	.264	.264	.226	.226	.226	.154	.154	.154	.088	.088	.088	.028	.028	.028	
1.0	.257	.230	.205	.220	.197	.176	.151	.136	.122	.087	.079	.071	.028	.025	.023	
2.0	.250	.206	.170	.214	.178	.147	.147	.123	.102	.085	.072	.060	.027	.023	.020	
3.0	.242	.189	.147	.208	.163	.128	.143	.114	.090	.082	.066	.053	.026	.022	.017	
4.0	.235	.177	.132	.201	.153	.115	.138	.106	.081	.080	.062	.048	.026	.020	.016	
5.0	.227	.166	.122	.195	.144	.106	.134	.101	.075	.078	.059	.044	.025	.019	.015	
6.0	.220	.158	.114	.189	.137	.100	.130	.096	.070	.076	.056	.042	.024	.018	.014	
7.0	.213	.152	.109	.183	.131	.095	.126	.092	.067	.073	.054	.040	.024	.018	.013	
8.0	.206	.146	.105	.177	.127	.091	.123	.089	.065	.071	.052	.039	.023	.017	.013	
9.0	.200	.141	.101	.172	.122	.088	.119	.086	.063	.069	.051	.037	.023	.017	.012	
10.0	.194	.137	.099	.167	.119	.086	.116	.084	.061	.068	.049	.037	.022	.016	.012	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm											
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A			
MFR.: ASD Lighting corp					SUR.:N/A			Shielding Angle:N/A			
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		15.5	16.9	15.9	17.3	17.7	15.5	17.0	15.9	17.3	17.7
	3H	17.3	18.6	17.7	19.0	19.4	17.3	18.6	17.7	19.0	19.5
	4H	18.2	19.4	18.6	19.8	20.3	18.2	19.4	18.6	19.8	20.3
	6H	19.0	20.2	19.5	20.7	21.2	19.0	20.2	19.5	20.7	21.2
	8H	19.5	20.7	20.0	21.1	21.6	19.5	20.7	20.0	21.1	21.6
	12H	20.0	21.1	20.5	21.6	22.1	20.0	21.2	20.5	21.6	22.1
4H	2H	16.1	17.4	16.6	17.8	18.3	16.1	17.4	16.6	17.8	18.3
	3H	18.1	19.2	18.6	19.7	20.2	18.1	19.2	18.6	19.7	20.2
	4H	19.1	20.1	19.7	20.6	21.2	19.1	20.1	19.7	20.6	21.2
	6H	20.2	21.1	20.7	21.6	22.2	20.2	21.1	20.7	21.6	22.2
	8H	20.8	21.6	21.3	22.2	22.8	20.8	21.6	21.3	22.2	22.8
	12H	21.4	22.2	22.0	22.8	23.4	21.4	22.2	22.0	22.8	23.4
8H	4H	19.5	20.4	20.1	20.9	21.5	19.5	20.4	20.1	20.9	21.5
	6H	20.8	21.5	21.4	22.1	22.7	20.8	21.5	21.4	22.1	22.8
	8H	21.6	22.2	22.2	22.8	23.5	21.6	22.2	22.2	22.8	23.5
	12H	22.4	23.0	23.0	23.6	24.3	22.4	23.0	23.1	23.6	24.3
12H	4H	19.6	20.4	20.2	20.9	21.5	19.6	20.4	20.2	20.9	21.5
	6H	21.0	21.6	21.6	22.2	22.9	21.0	21.6	21.6	22.2	22.9
	8H	21.8	22.4	22.4	23.0	23.7	21.8	22.4	22.5	23.0	23.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 1326 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

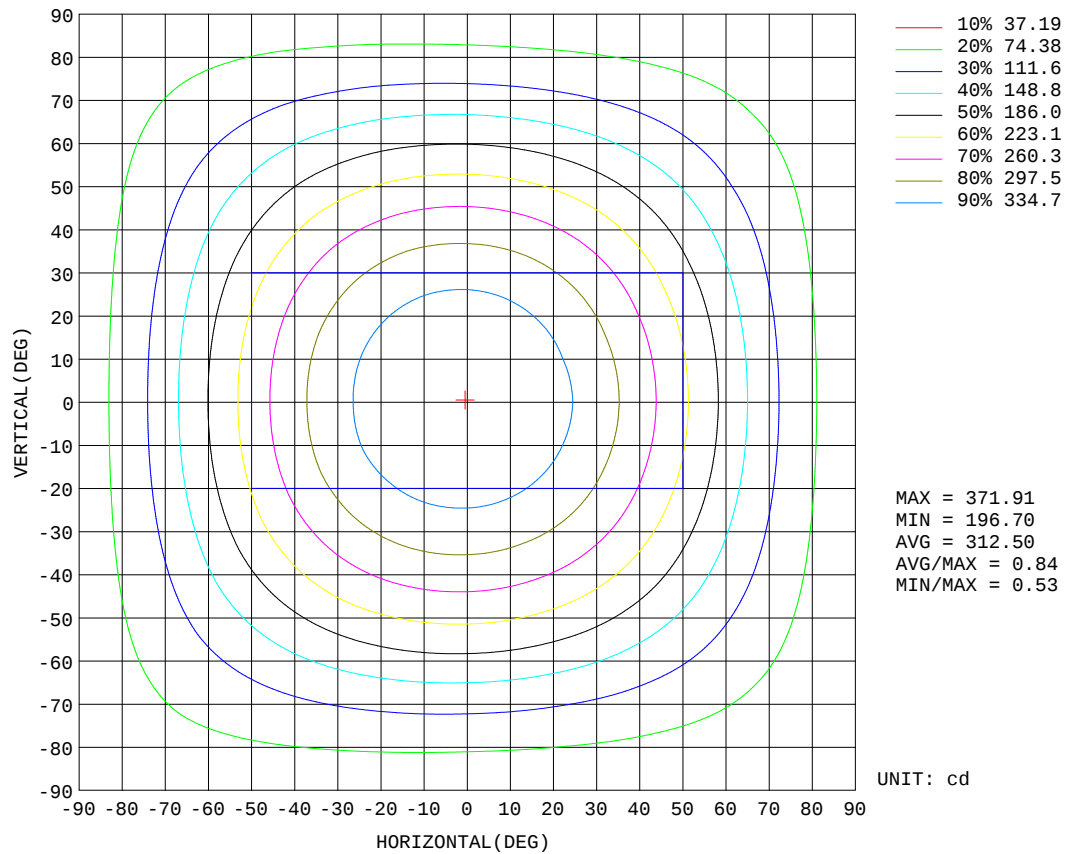
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	52	40	33	51	40	33	50	39	33	26
0.80	62	50	42	61	49	42	58	48	41	33
1.00	70	58	50	68	57	50	65	58	49	41
1.25	77	65	57	75	64	57	71	62	56	47
1.50	82	71	63	80	70	62	76	67	61	51
2.00	89	79	72	87	77	71	82	74	68	58
2.50	93	84	77	90	82	76	85	78	73	62
3.00	97	89	82	94	86	80	88	82	77	66
4.00	101	94	88	98	92	86	92	87	83	71
5.00	104	98	93	101	95	91	94	90	86	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

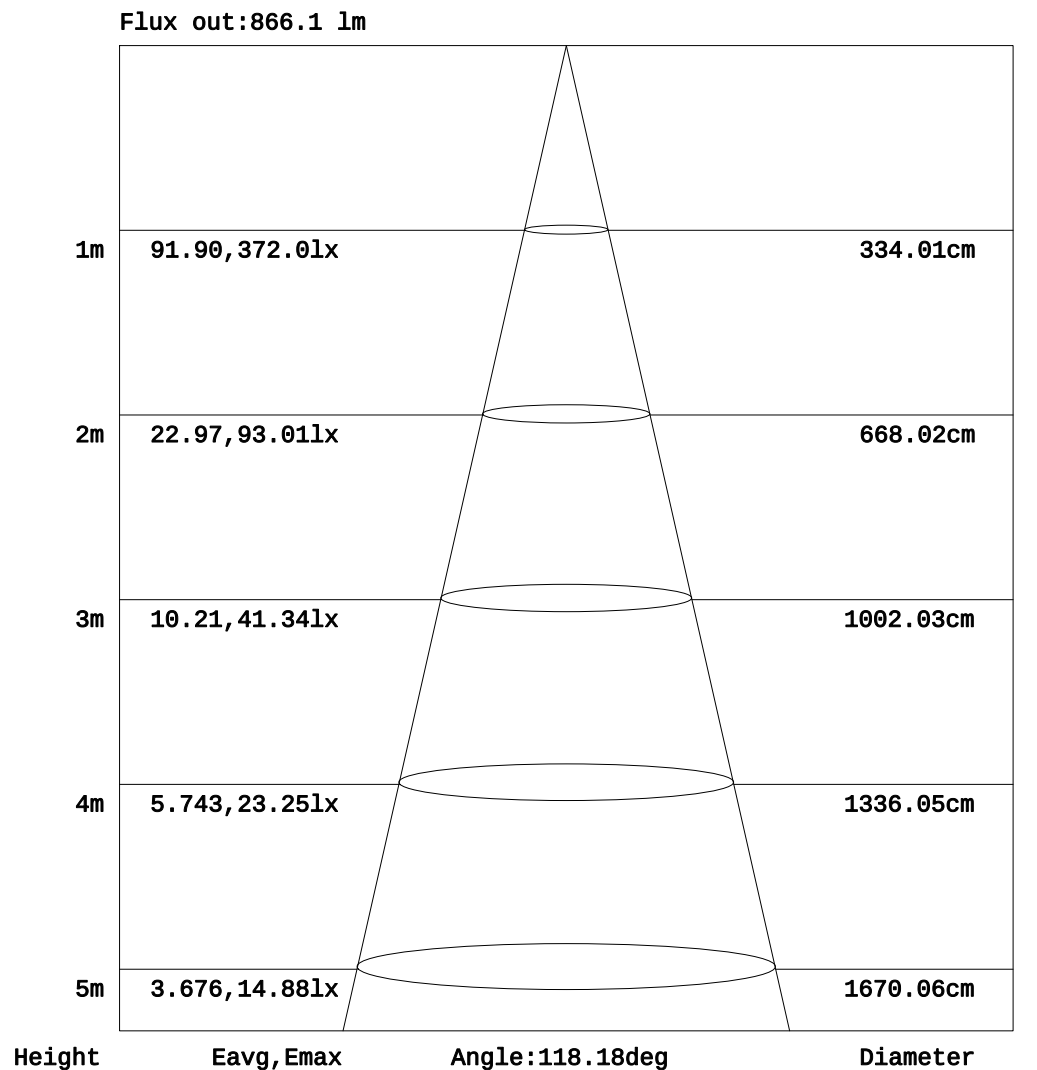


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.4DEG
Operators:Carl
Test Date:2022-06-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



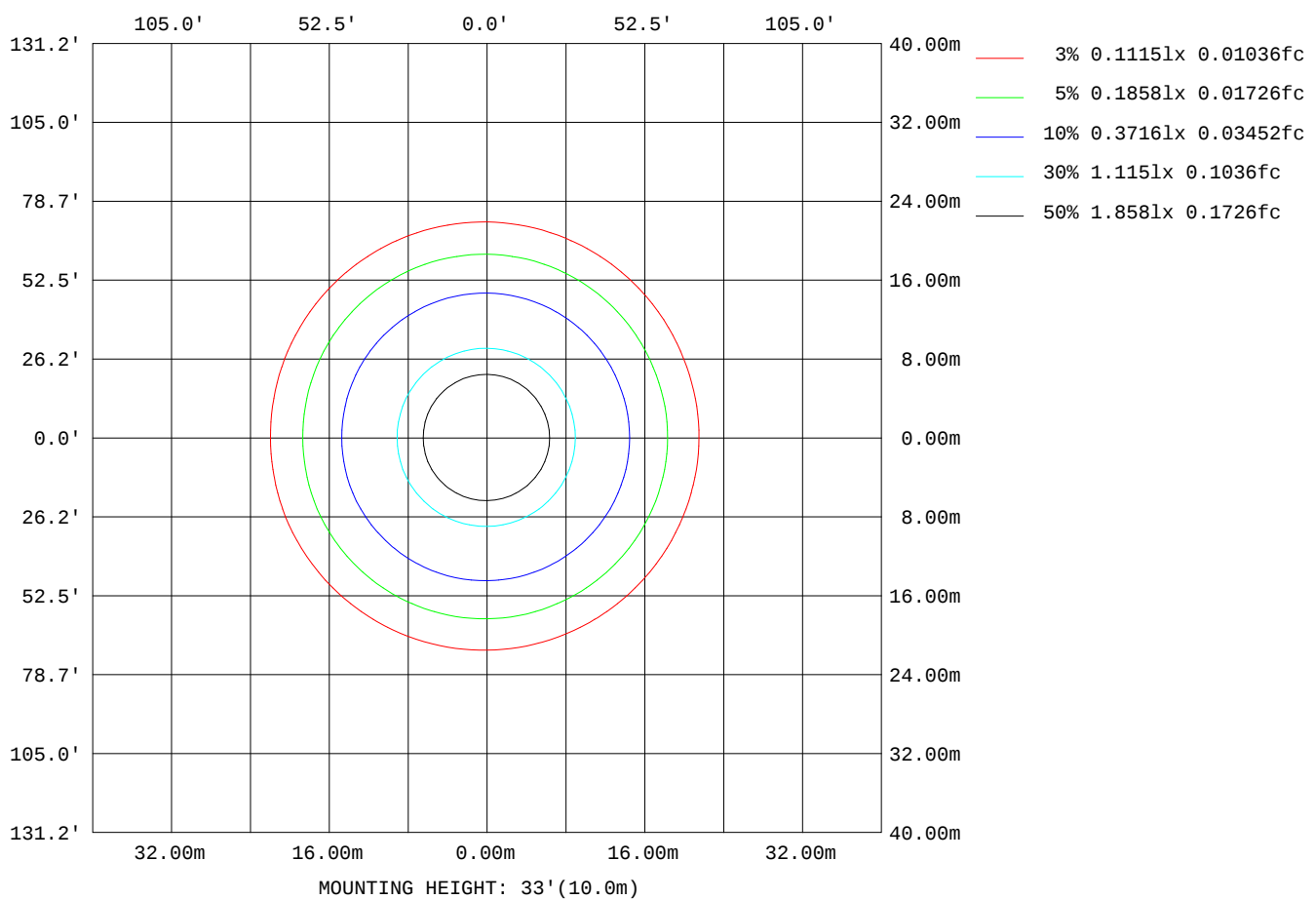
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.4DEG
 Operators:Carl
 Test Date:2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity:39%
 Test Distance:2.526m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4DEG
 Operators: Carl
 Test Date: 2022-06-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.351
 Humidity: 39%
 Test Distance: 2.526m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
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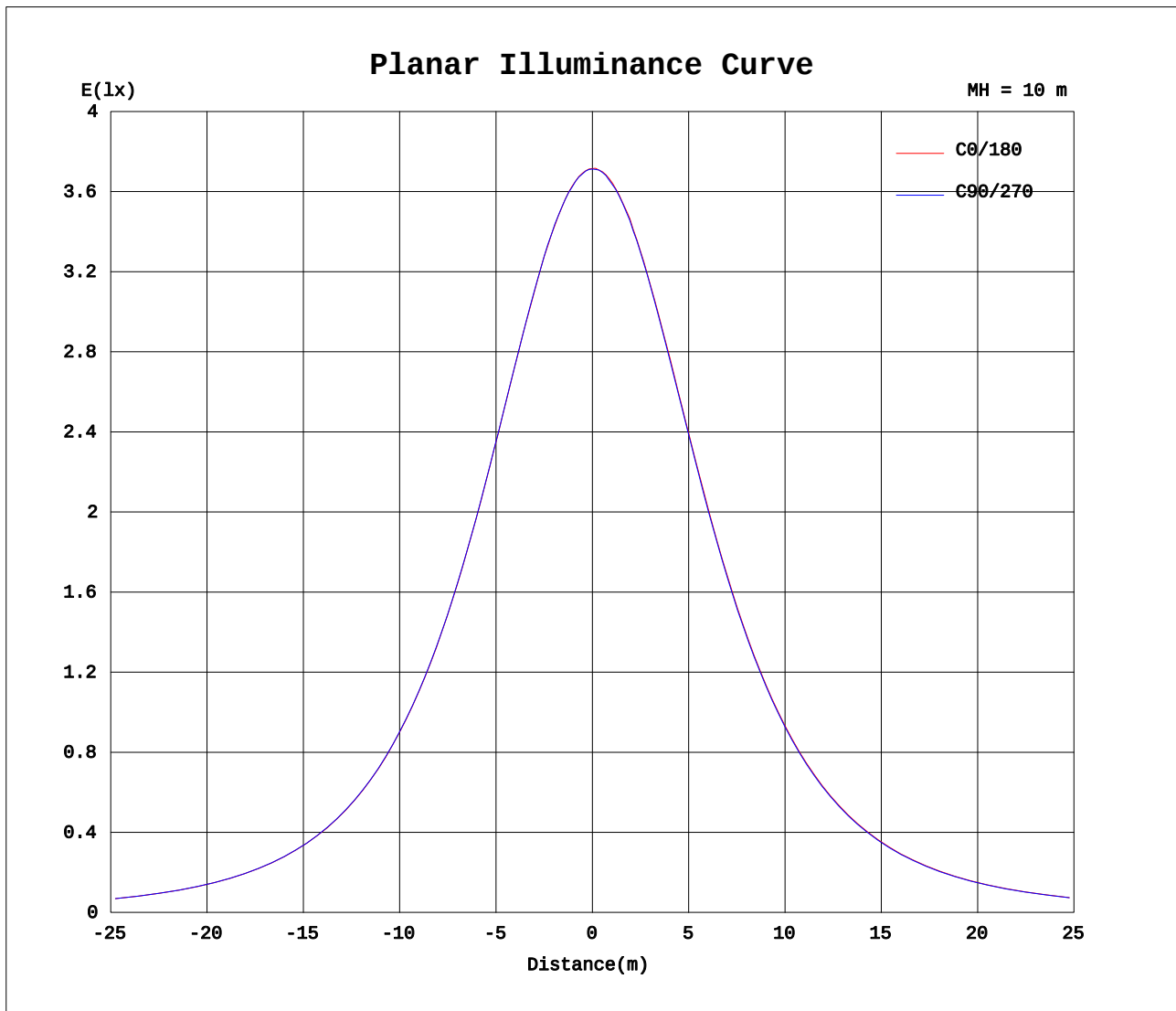
AvgL	cd/m2
L_0~180(65)av	2729
L_0~180(75)av	2985
L_0~180(85)av	5513
L_90~270(65)av	2720
L_90~270(75)av	2976
L_90~270(85)av	5488
L_45(65)av	2724
L_45(75)av	2982
L_45(85)av	5495

Standard: GB/T 29293-2012

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γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.351
Humidity:39%
Test Distance:2.526m [K=1.0000]
Remarks:

Planar Illuminance Curve



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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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Humidity: 39%
Test Distance: 2.526m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.1195A P:14.00W PF:0.9757 Lamp Flux:1325.73x1 lm		
NAME: ASD-LFMDR-MV-12D15CC-EM-NK 3000K	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

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	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371			
5	369	369	369	369	369	369	371	371	371	371	370	370	370	370	370	370			
10	364	364	364	364	365	364	367	367	367	367	367	367	366	365	366	365			
15	357	356	355	356	357	357	359	360	360	361	360	361	360	358	358	357			
20	346	346	345	345	347	347	350	351	351	351	351	351	350	348	348	346			
25	333	332	331	332	333	335	337	339	339	340	339	339	338	335	335	333			
30	317	316	316	316	318	319	322	324	324	325	324	324	322	320	319	317			
35	298	297	297	297	299	301	304	306	306	307	307	307	305	302	301	298			
40	277	276	276	276	278	280	284	286	286	287	287	286	284	282	280	278			
45	255	253	252	254	256	258	261	264	264	265	265	264	262	259	257	255			
50	230	228	228	228	231	233	237	240	239	241	241	240	238	235	232	229			
55	204	202	201	202	204	207	211	214	214	215	215	214	212	209	206	203			
60	176	174	173	174	177	179	184	187	187	188	189	188	185	182	179	176			
65	149	147	146	147	149	152	156	159	159	161	161	160	158	154	152	149			
70	123	121	120	121	123	126	129	132	132	134	134	133	130	127	125	122			
75	98.9	97.2	96.3	96.9	99.1	102	105	108	107	109	110	109	106	103	101	98.1			
80	78.2	76.6	76.0	76.6	78.4	80.7	83.5	86.1	85.9	87.8	88.5	87.6	85.2	82.3	79.9	77.4			
85	60.7	59.2	58.7	59.2	60.8	63.1	65.1	67.5	67.5	69.2	69.8	69.0	66.8	64.3	62.1	60.0			
90	46.1	44.8	44.2	44.7	45.8	47.5	49.2	51.2	51.5	52.9	53.7	52.9	51.0	48.8	47.1	45.6			
95	34.0	33.1	32.5	32.9	33.8	34.8	36.4	37.5	37.7	38.9	39.7	39.1	37.3	35.7	34.5	33.9			
100	26.0	25.6	24.7	24.9	25.8	26.2	27.5	28.3	28.4	29.6	29.9	29.5	28.6	27.1	26.6	26.0			
105	22.4	21.9	21.5	21.7	22.2	22.5	23.3	24.1	24.6	25.4	25.7	25.6	25.1	24.2	23.6	22.9			
110	22.6	22.0	21.6	21.8	22.3	22.6	23.3	24.0	24.6	25.4	25.8	25.7	25.1	24.3	23.7	23.0			
115	22.4	21.7	21.3	21.3	21.8	22.2	22.8	23.4	24.0	24.7	25.2	25.1	24.5	23.8	23.2	22.6			
120	21.4	20.6	20.2	20.2	20.4	20.8	21.3	22.0	22.4	23.1	23.5	23.5	23.1	22.3	21.9	21.4			
125	19.9	19.2	18.6	18.5	18.6	19.0	19.3	19.9	20.1	20.8	21.2	21.4	21.0	20.4	20.2	19.8			
130	18.3	17.5	16.8	16.7	16.6	16.9	17.1	17.6	17.7	18.4	18.7	18.9	18.5	18.2	18.1	18.1			
135	16.2	15.4	15.5	14.5	14.4	14.4	14.5	15.0	14.8	15.5	16.0	15.7	15.7	15.5	15.5	15.8			
140	14.0	13.1	14.1	12.7	12.0	11.8	12.0	12.2	11.7	12.3	13.0	13.1	12.7	12.5	12.9	13.6			
145	11.4	10.8	10.6	10.7	9.99	9.63	9.57	9.38	8.45	9.47	9.92	10.4	9.73	9.43	10.3	11.2			
150	8.86	8.59	7.71	8.25	8.04	7.44	7.67	6.84	6.06	9.07	7.97	7.43	6.59	6.22	7.63	7.84			
155	5.93	5.15	4.91	5.96	8.58	5.73	4.78	5.11	4.59	4.90	4.95	5.44	4.99	4.26	4.76	4.80			
160	3.68	3.42	2.65	4.06	4.09	4.15	4.25	2.74	2.90	3.90	3.01	5.08	3.47	2.59	2.70	3.89			
165	2.91	2.44	1.72	3.27	3.34	3.31	3.09	1.73	2.21	2.20	2.29	2.53	2.77	1.90	2.24	2.69			
170	2.97	2.27	2.07	2.64	2.96	2.89	2.24	1.38	1.88	1.91	2.26	2.35	2.53	1.74	1.78	2.30			
175	1.43	2.35	2.53	1.33	1.54	1.45	1.03	1.36	1.12	1.16	1.68	1.92	1.36	0.99	1.17	1.40			
180	0.48	0.00	0.00	0.00	0.27	0.40	0.00	0.00	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62			

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