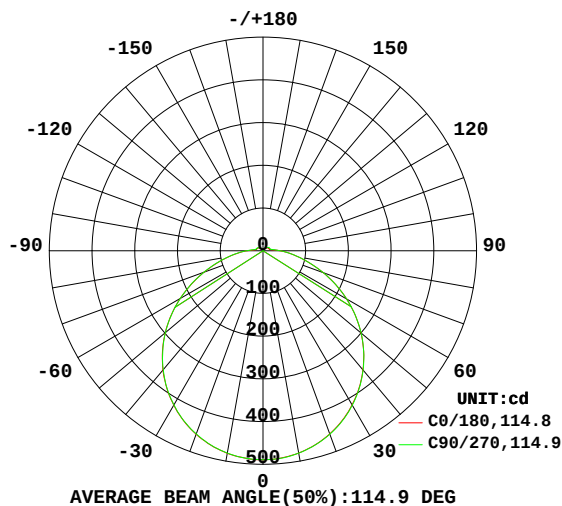


LUMINAIRE PHOTOMETRIC TEST REPORT

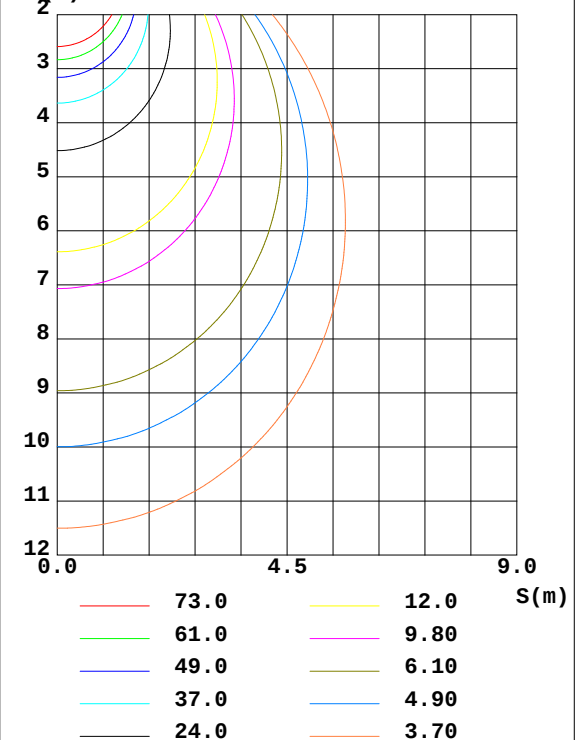
Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME: ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.67 lm/W			
MODEL	ASD-LFMDR-16D24SM-RGBW-NK	I _{max} (cd)	489.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	24W	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1575.4	η UP, DN(C0-180)	2.7, 47.1
NOMINAL FLUX(lm)	1575.42	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.8, 47.4
LAMPS INSIDE	1	η up(%)	5.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	94.5	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:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

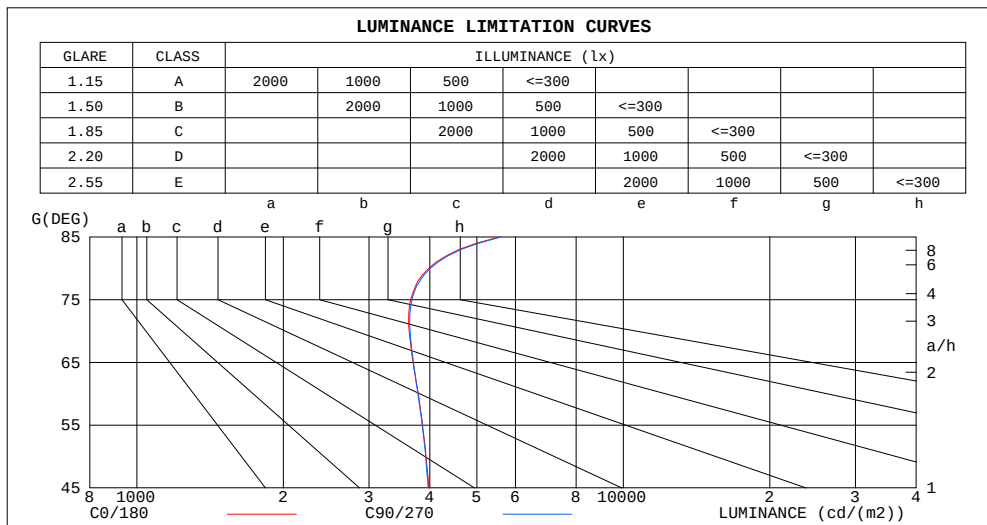
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	481.5	481.2	481.1	480.4	480.7	480.6	481.0	481.5	0- 10	46.32	46.32	2.94, 2.94
20	457.4	457.1	456.6	456.0	456.5	456.4	457.1	458.0	10- 20	132.9	179.2	11.4, 11.4
30	417.7	417.8	417.2	416.4	416.9	416.8	417.8	418.9	20- 30	202.4	381.6	24.2, 24.2
40	364.3	364.3	363.6	362.6	364.0	363.9	364.5	365.6	30- 40	245.5	627.1	39.8, 39.8
50	298.6	298.8	298.3	297.4	299.7	299.4	299.9	300.8	40- 50	256.8	883.8	56.1, 56.1
60	223.9	224.0	223.8	223.5	226.3	226.1	226.4	226.8	50- 60	235.0	1119	71, 71
70	146.7	146.9	147.5	147.3	150.5	150.5	150.5	150.0	60- 70	184.6	1303	82.7, 82.7
80	81.70	81.44	82.38	82.52	84.60	84.80	84.87	84.39	70- 80	120.7	1424	90.4, 90.4
90	37.79	37.74	38.71	38.70	40.36	40.94	41.28	40.54	80- 90	64.94	1489	94.5, 94.5
100	16.73	18.24	18.57	18.42	17.44	19.86	20.01	19.50	90-100	29.56	1519	96.4, 96.4
110	15.07	15.95	15.89	15.53	15.13	16.75	17.08	16.63	100-110	17.40	1536	97.5, 97.5
120	13.34	13.84	14.35	14.40	13.45	14.91	15.59	14.78	110-120	15.05	1551	98.5, 98.5
130	10.18	10.67	11.13	10.66	10.19	11.76	11.84	11.22	120-130	11.35	1562	99.2, 99.2
140	6.955	7.382	7.635	7.414	6.862	7.825	7.984	7.564	130-140	7.141	1570	99.6, 99.6
150	3.931	4.282	4.482	4.454	3.770	4.332	4.445	4.200	140-150	3.702	1573	99.9, 99.9
160	2.428	2.696	2.868	2.582	2.068	2.237	2.517	2.180	150-160	1.512	1575	100, 100
170	1.408	1.610	1.439	1.403	1.142	1.167	1.318	1.206	160-170	0.5333	1575	100, 100
180	0.8176	0.8171	0.8156	0.8124	0.8170	0.8156	0.8145	0.8113	170-180	0.1010	1575	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME: ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	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	5551	5606
80	3980	4009
75	3655	3677
70	3629	3644
65	3698	3703
60	3789	3784
55	3866	3860
50	3929	3923
45	3982	3969

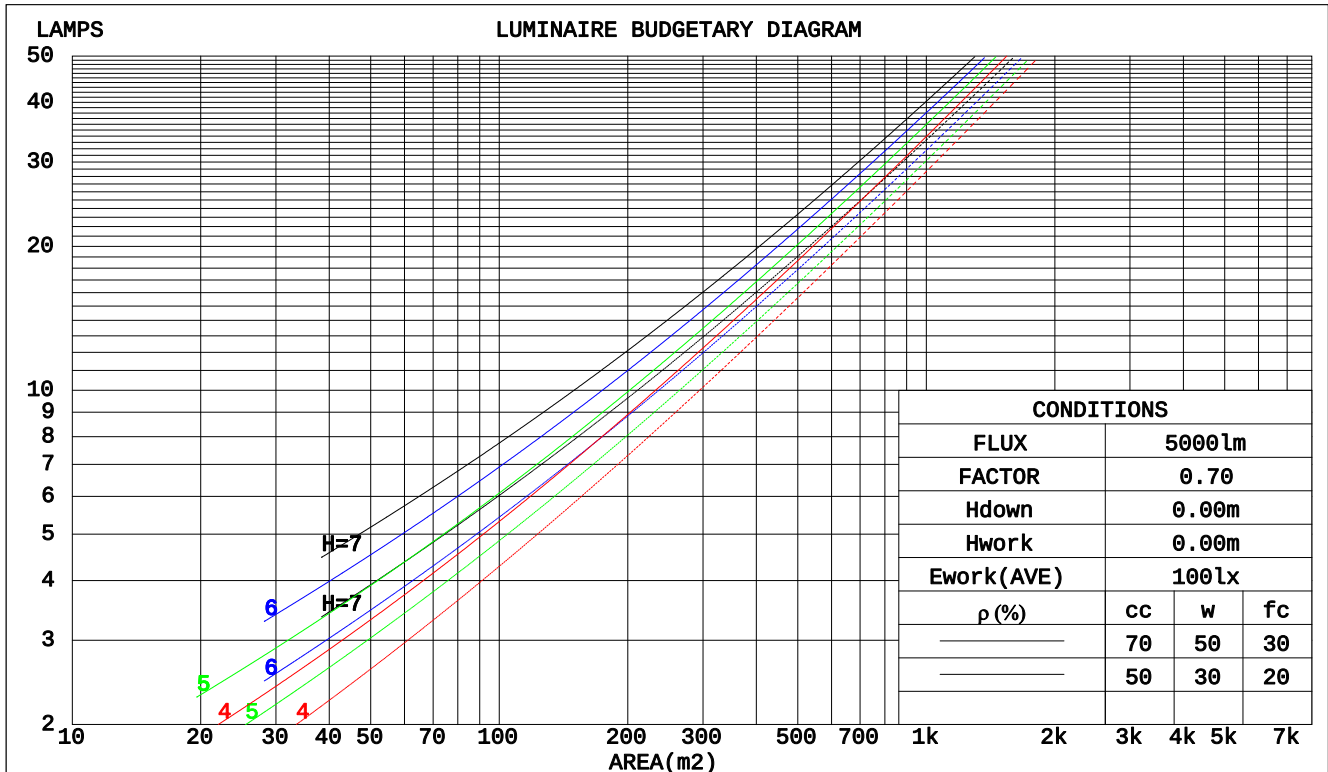
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Water
Test Date: 2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 51%
Test Distance: 2.519m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME:ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.01	.96	.92	.98	.94	.90	.93	.90	.86	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.80	.74	.85	.79	.73	.81	.75	.70	.77	.72	.68	.73	.69	.66	.63
3.0	.77	.68	.61	.75	.67	.61	.71	.64	.59	.67	.62	.57	.64	.59	.55	.53
4.0	.68	.59	.52	.66	.58	.51	.63	.56	.50	.60	.54	.49	.57	.52	.47	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.47	.42	.51	.46	.41	.39
6.0	.54	.45	.39	.53	.44	.38	.51	.43	.37	.48	.42	.37	.46	.41	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.44	.37	.32	.42	.36	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.29	.40	.34	.29	.39	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.24	.36	.29	.24	.34	.28	.24	.33	.27	.23	.22



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME:ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	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	.337	.192	.061	.328	.187	.059	.312	.179	.057	.296	.171	.055	.282	.164	.053		
2.0	.306	.168	.051	.298	.164	.051	.283	.158	.049	.270	.151	.047	.257	.146	.046		
3.0	.279	.148	.044	.272	.145	.044	.259	.140	.043	.246	.135	.041	.235	.130	.040		
4.0	.255	.132	.039	.249	.130	.038	.237	.126	.038	.226	.121	.037	.216	.117	.036		
5.0	.234	.119	.035	.229	.117	.034	.218	.114	.033	.208	.110	.033	.199	.106	.032		
6.0	.216	.108	.031	.211	.107	.031	.202	.103	.030	.193	.100	.029	.185	.097	.029		
7.0	.201	.099	.028	.196	.098	.028	.188	.095	.027	.180	.092	.027	.172	.089	.026		
8.0	.187	.091	.026	.183	.090	.025	.175	.088	.025	.168	.085	.025	.161	.083	.024		
9.0	.175	.085	.024	.171	.083	.023	.164	.081	.023	.158	.079	.023	.151	.077	.022		
10.0	.164	.079	.022	.161	.078	.022	.154	.076	.021	.148	.074	.021	.143	.072	.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	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025	
1.0	.224	.198	.174	.192	.170	.150	.131	.117	.104	.076	.068	.060	.024	.022	.020	
2.0	.217	.174	.139	.185	.150	.120	.127	.104	.084	.073	.060	.049	.024	.020	.016	
3.0	.209	.157	.116	.179	.135	.100	.123	.094	.070	.071	.055	.041	.023	.018	.014	
4.0	.201	.144	.100	.173	.124	.087	.119	.087	.061	.069	.051	.036	.022	.017	.012	
5.0	.193	.134	.090	.166	.116	.078	.114	.081	.055	.066	.047	.033	.021	.015	.011	
6.0	.186	.125	.082	.160	.109	.071	.110	.076	.050	.064	.045	.030	.021	.015	.010	
7.0	.179	.119	.076	.154	.103	.066	.107	.072	.047	.062	.042	.028	.020	.014	.009	
8.0	.173	.113	.072	.149	.098	.063	.103	.069	.044	.060	.041	.026	.019	.013	.009	
9.0	.167	.108	.068	.144	.094	.060	.099	.066	.042	.058	.039	.025	.019	.013	.008	
10.0	.161	.104	.066	.139	.090	.057	.096	.063	.041	.056	.037	.024	.018	.012	.008	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm										
NAME:ASD-LFMDR-16D24SM-RGBW-NK					TYPE: N/A			WEIGHT: N/A		
SPEC.: 6500K					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	15.6	17.1	16.0	17.4	17.7	15.6	17.1	16.0	17.4	17.7
3H	17.2	18.6	17.6	18.9	19.3	17.2	18.6	17.6	18.9	19.3
4H	18.0	19.3	18.4	19.6	20.0	18.0	19.3	18.4	19.6	20.0
6H	18.6	19.9	19.1	20.2	20.6	18.7	19.9	19.1	20.3	20.7
8H	19.0	20.2	19.4	20.5	21.0	19.0	20.2	19.4	20.6	21.0
12H	19.3	20.5	19.8	20.9	21.3	19.4	20.5	19.8	20.9	21.3
4H 2H	16.2	17.5	16.6	17.9	18.2	16.2	17.5	16.6	17.9	18.2
3H	18.0	19.2	18.5	19.6	20.0	18.1	19.2	18.5	19.6	20.0
4H	18.9	20.0	19.4	20.4	20.8	18.9	20.0	19.4	20.4	20.9
6H	19.8	20.7	20.3	21.1	21.6	19.8	20.7	20.3	21.2	21.7
8H	20.2	21.1	20.7	21.5	22.0	20.2	21.1	20.7	21.5	22.1
12H	20.6	21.4	21.1	21.9	22.4	20.7	21.5	21.2	22.0	22.5
8H 4H	19.3	20.1	19.8	20.6	21.1	19.3	20.1	19.8	20.6	21.1
6H	20.3	21.0	20.8	21.5	22.1	20.3	21.1	20.9	21.6	22.1
8H	20.9	21.5	21.4	22.1	22.6	20.9	21.6	21.5	22.1	22.7
12H	21.5	22.1	22.1	22.6	23.2	21.6	22.1	22.1	22.7	23.2
12H 4H	19.3	20.1	19.8	20.6	21.1	19.3	20.1	19.8	20.6	21.1
6H	20.4	21.1	21.0	21.6	22.2	20.5	21.1	21.0	21.6	22.2
8H	21.1	21.6	21.6	22.2	22.8	21.1	21.7	21.7	22.2	22.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1575 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)
Area: 0.118241 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME:ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

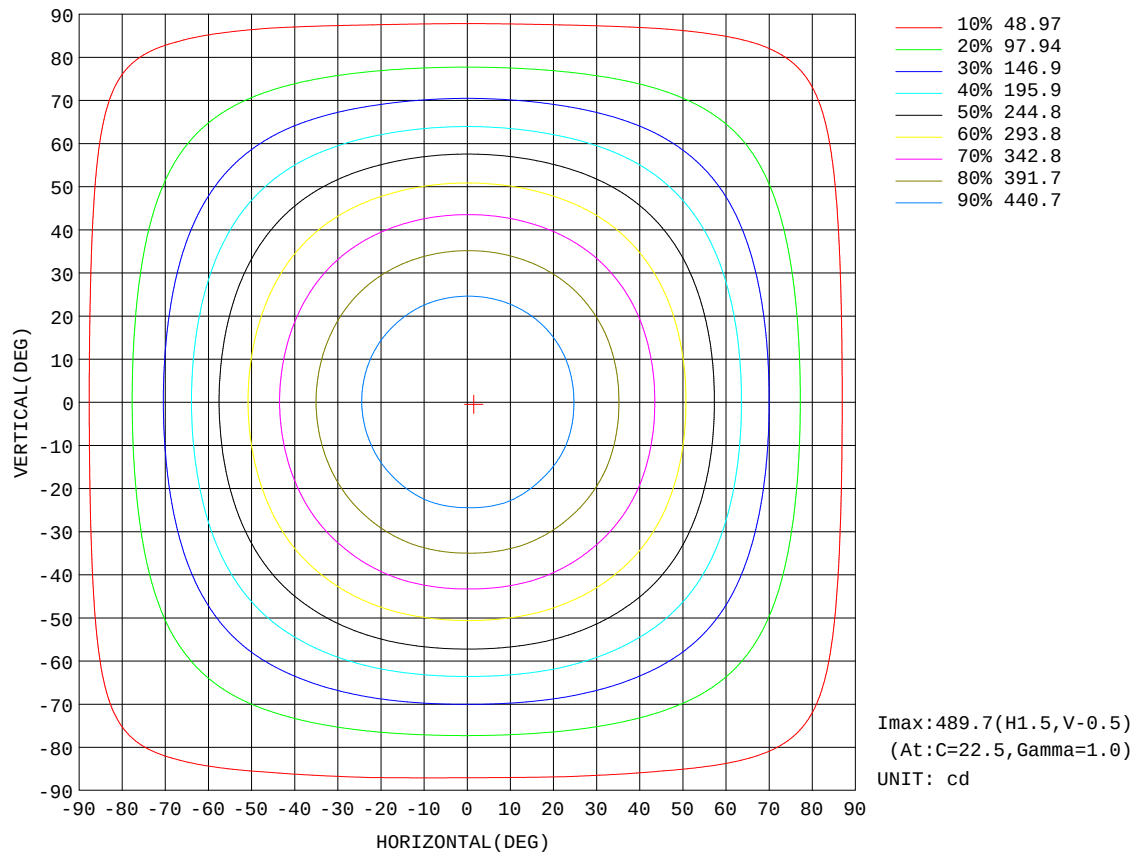
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	42	35	52	42	35	29
0.80	64	52	45	63	52	44	61	51	44	37
1.00	73	61	53	71	60	53	68	61	52	44
1.25	80	68	61	78	67	60	75	66	59	51
1.50	85	74	66	83	73	66	79	71	64	56
2.00	91	82	75	89	81	74	85	78	72	63
2.50	96	87	80	93	85	79	89	82	77	67
3.00	99	91	85	96	89	84	92	86	81	71
4.00	103	97	91	100	95	90	95	90	86	76
5.00	106	100	96	103	98	94	97	93	90	79
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:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME: ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

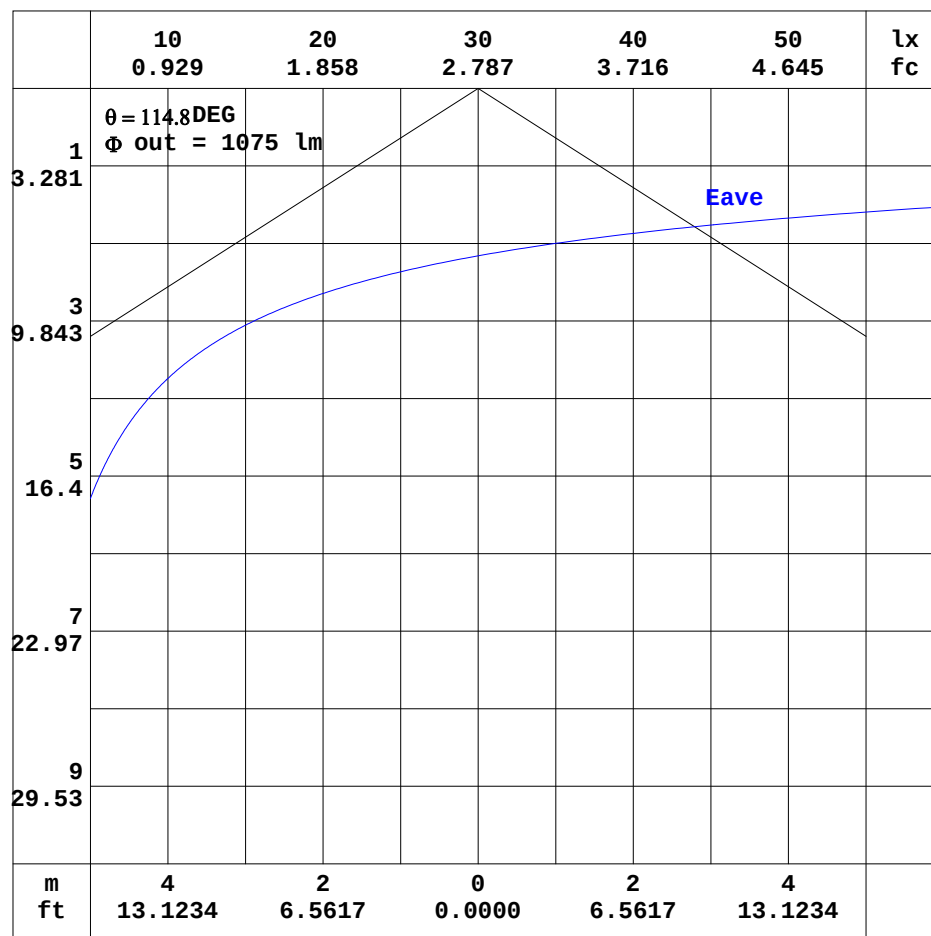


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Water
Test Date: 2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 51%
Test Distance: 2.519m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME: ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



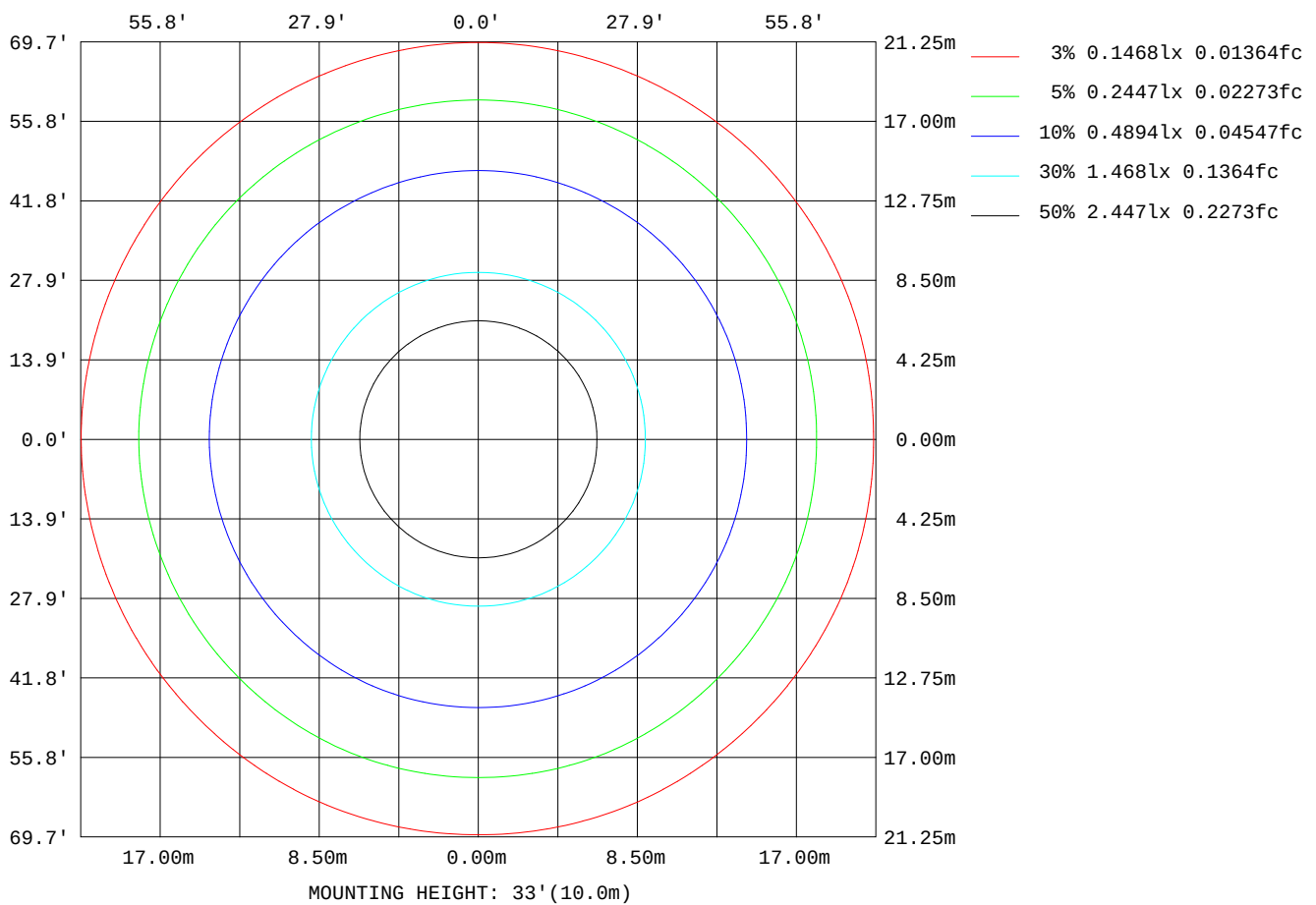
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Water
 Test Date: 2024-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity: 51%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME:ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.:6500K	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:24.8DEG
Operators:Water
Test Date:2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm		
NAME: ASD-LFMDR-16D24SM-RGBW-NK	TYPE: N/A	WEIGHT: N/A
SPEC.: 6500K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

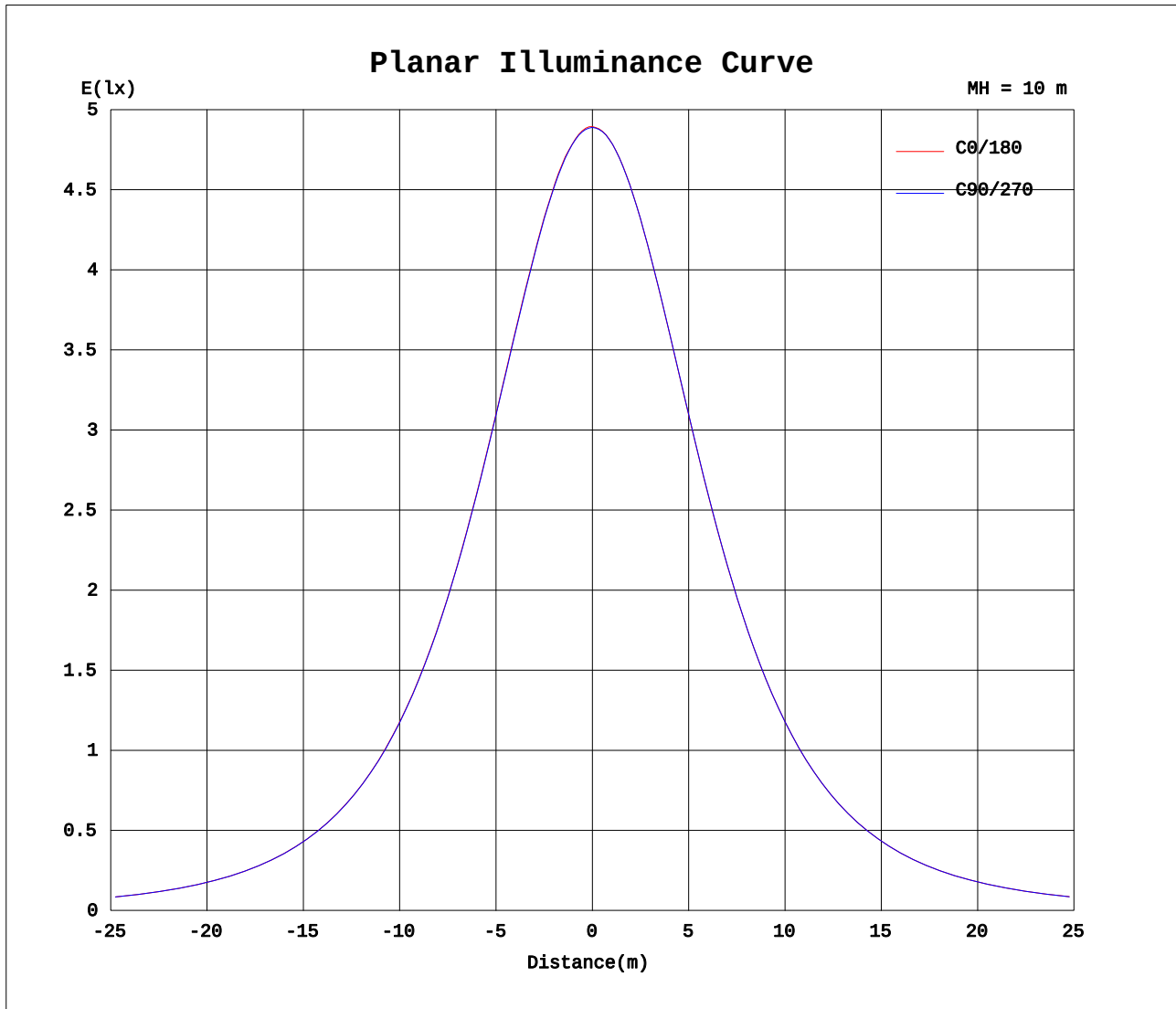
AvgL	cd/m2
L_0~180(65)av	3728
L_0~180(75)av	3702
L_0~180(85)av	5680
L_90~270(65)av	3731
L_90~270(75)av	3715
L_90~270(85)av	5733
L_45(65)av	3729
L_45(75)av	3705
L_45(85)av	5686

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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Test Speed: HIGH
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Test Date:2024-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:51%
Test Distance:2.519m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Water
 Test Date: 2024-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity: 51%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.2070A P:23.630W PF:0.9505 Freq:60.00Hz Lamp Flux:1575.42x1 lm																	
NAME: ASD-LFMDR-16D24SM-RGBW-NK									TYPE: N/A						WEIGHT: N/A		
SPEC.: 6500K									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	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489			
5	487	488	487	488	487	487	487	487	487	487	487	487	487	487	488	488			
10	482	482	481	481	481	481	480	480	481	481	481	481	481	481	481	482			
15	471	472	471	472	471	470	470	470	470	470	471	471	471	471	472	472			
20	457	458	457	457	457	457	456	456	456	456	456	456	457	456	458	458			
25	440	440	439	440	439	438	438	438	439	438	438	439	439	439	440	440			
30	418	418	418	418	417	417	416	416	417	416	417	417	418	417	419	419			
35	392	393	393	393	392	392	391	391	392	391	392	392	393	392	394	394			
40	364	365	364	365	364	363	363	363	364	363	364	364	364	364	366	366			
45	333	334	333	333	332	332	331	332	333	332	333	333	334	333	335	335			
50	299	300	299	299	298	298	297	298	300	299	299	299	300	299	301	301			
55	262	263	262	263	262	262	261	262	264	263	264	263	264	263	265	264			
60	224	225	224	225	224	224	223	224	226	226	226	225	226	226	227	226			
65	185	186	185	186	185	186	185	186	188	187	188	187	188	187	188	187			
70	147	147	147	148	147	148	147	148	151	150	151	149	151	149	150	149			
75	112	112	112	112	113	113	113	113	115	115	115	115	115	115	114	114			
80	81.7	81.5	81.4	82.2	82.4	82.6	82.5	82.7	84.6	84.6	84.8	84.7	84.9	84.5	84.4	83.8			
85	57.2	56.9	56.8	57.5	57.8	58.1	57.9	58.2	59.9	59.6	60.0	60.2	60.4	60.1	59.6	59.3			
90	37.8	37.8	37.7	38.7	38.7	39.2	38.7	39.2	40.4	40.2	40.9	40.8	41.3	40.7	40.5	39.5			
95	22.4	24.7	25.0	25.8	25.9	26.1	25.7	25.8	25.2	26.7	27.5	27.5	27.8	27.5	27.3	26.2			
100	16.7	16.3	18.2	18.5	18.6	18.8	18.4	17.0	17.4	17.6	19.9	19.7	20.0	20.0	19.5	17.5			
105	15.5	14.8	16.3	16.3	16.4	16.1	16.0	14.6	15.5	15.1	17.2	17.3	17.5	17.4	17.0	15.6			
110	15.1	14.7	15.9	16.0	15.9	15.8	15.5	14.5	15.1	15.1	16.7	17.1	17.1	17.1	16.6	15.3			
115	14.4	14.5	15.1	15.3	15.3	15.0	14.7	13.9	14.5	14.7	16.0	16.5	16.5	16.4	16.7	14.6			
120	13.3	13.1	13.8	14.3	14.4	14.1	14.4	13.1	13.4	13.8	14.9	15.5	15.6	15.3	14.8	13.5			
125	11.8	11.6	12.3	12.8	12.8	12.7	12.4	11.7	11.9	12.3	13.5	13.8	14.0	13.7	13.1	12.0			
130	10.2	10.1	10.7	11.1	11.1	11.0	10.7	10.2	10.2	10.7	11.8	11.9	11.8	11.8	11.2	10.3			
135	8.51	8.50	9.03	9.33	9.36	9.31	9.02	8.58	8.51	9.00	9.69	9.97	9.81	9.88	9.29	8.57			
140	6.96	7.00	7.38	7.66	7.64	7.64	7.41	7.02	6.86	7.31	7.82	8.05	7.98	7.95	7.56	6.88			
145	5.38	5.46	5.75	5.97	6.29	6.12	5.78	5.51	5.23	5.56	6.01	6.13	6.28	6.23	5.75	5.14			
150	3.93	4.11	4.28	4.94	4.48	4.59	4.45	4.08	3.77	3.97	4.33	4.87	4.44	4.40	4.20	3.60			
155	3.05	3.19	3.33	3.50	4.07	3.55	3.03	3.07	2.59	2.74	3.02	3.23	3.53	3.15	2.96	2.57			
160	2.43	2.58	2.70	2.76	2.87	2.65	2.58	2.42	2.07	2.01	2.24	2.34	2.52	2.36	2.18	1.88			
165	1.95	2.08	2.17	2.14	2.19	1.87	1.90	1.88	1.45	1.45	1.63	1.72	1.79	1.73	1.56	1.21			
170	1.41	1.50	1.61	1.58	1.44	1.43	1.40	1.44	1.14	1.09	1.17	1.32	1.32	1.27	1.21	0.92			
175	0.98	0.95	0.95	0.96	0.98	1.01	1.01	1.03	0.84	0.80	0.80	0.89	0.94	0.94	0.84	0.80			
180	0.82	0.82	0.82	0.81	0.82	0.81	0.81	0.81	0.82	0.82	0.82	0.81	0.81	0.80	0.81	0.81			

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