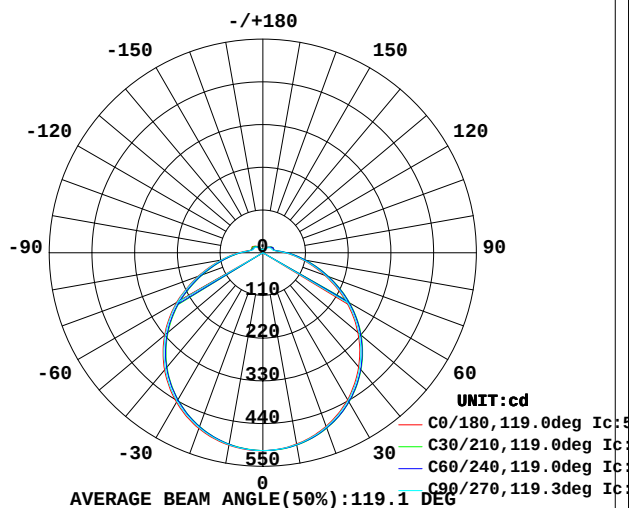


LUMINAIRE PHOTOMETRIC TEST REPORT

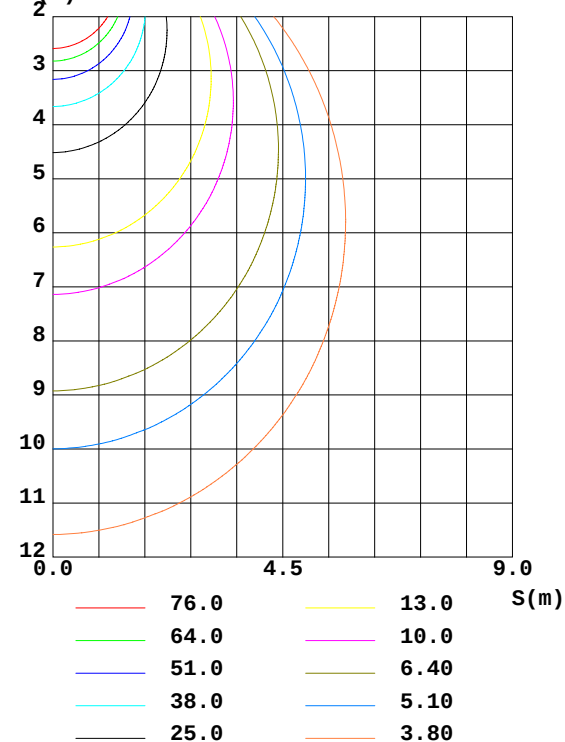
Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 68.90 lm/W
MODEL	ASD-LFMDR-16D24DH-NK	I _{max} (cd)	509.8	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1805.3	η UP, DN(C0-180)	4.5, 45.3	
NOMINAL FLUX(lm)	1805.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.7, 45.5	
LAMPS INSIDE	1	η up(%)	9.2	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down(%)	90.8	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [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	499.9	502.8	501.3	500.2	503.2	500.3	501.8	502.9	0- 10	48.25	48.25	2.67,2.67
20	475.8	481.0	477.6	475.6	481.7	476.1	479.1	481.4	10- 20	138.9	187.2	10.4,10.4
30	436.8	443.9	439.3	436.0	444.8	436.1	441.7	444.8	20- 30	212.7	399.9	22.1,22.1
40	383.9	393.6	387.6	383.2	393.6	383.7	390.7	394.1	30- 40	260.5	660.3	36.6,36.6
50	319.5	331.0	323.8	317.9	330.2	318.8	327.3	331.3	40- 50	276.4	936.7	51.9,51.9
60	245.7	258.0	250.0	243.5	256.5	243.9	253.9	258.6	50- 60	258.4	1195	66.2,66.2
70	169.6	179.9	173.2	165.1	176.9	166.2	174.6	180.7	60- 70	209.8	1405	77.8,77.8
80	103.4	112.6	105.7	100.3	109.3	100.8	107.9	111.8	70- 80	146.2	1551	85.9,85.9
90	57.10	63.17	58.37	55.72	62.18	56.79	60.00	62.99	80- 90	88.65	1640	90.8,90.8
100	31.81	34.16	32.23	31.34	35.44	33.15	34.25	34.90	90-100	48.62	1689	93.5,93.5
110	28.80	29.57	25.70	26.19	30.62	30.38	25.85	29.24	100-110	31.37	1720	95.3,95.3
120	27.41	28.83	23.86	24.66	31.59	28.66	25.13	28.70	110-120	27.70	1748	96.8,96.8
130	21.61	23.15	20.58	21.86	26.44	24.70	22.86	24.75	120-130	22.99	1771	98.1,98.1
140	17.95	19.60	16.63	18.16	21.36	19.29	18.69	18.92	130-140	16.32	1787	99.99
150	10.73	11.46	11.58	12.37	15.56	13.12	13.75	12.87	140-150	10.09	1797	99.5,99.5
160	9.691	10.37	9.397	10.76	10.13	8.983	9.153	10.30	150-160	5.091	1802	99.8,99.8
170	7.260	7.302	7.908	7.766	8.451	8.501	8.472	7.680	160-170	2.519	1805	100,100
180	7.140	7.090	7.086	7.136	7.133	7.094	7.094	7.129	170-180	0.7174	1805	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

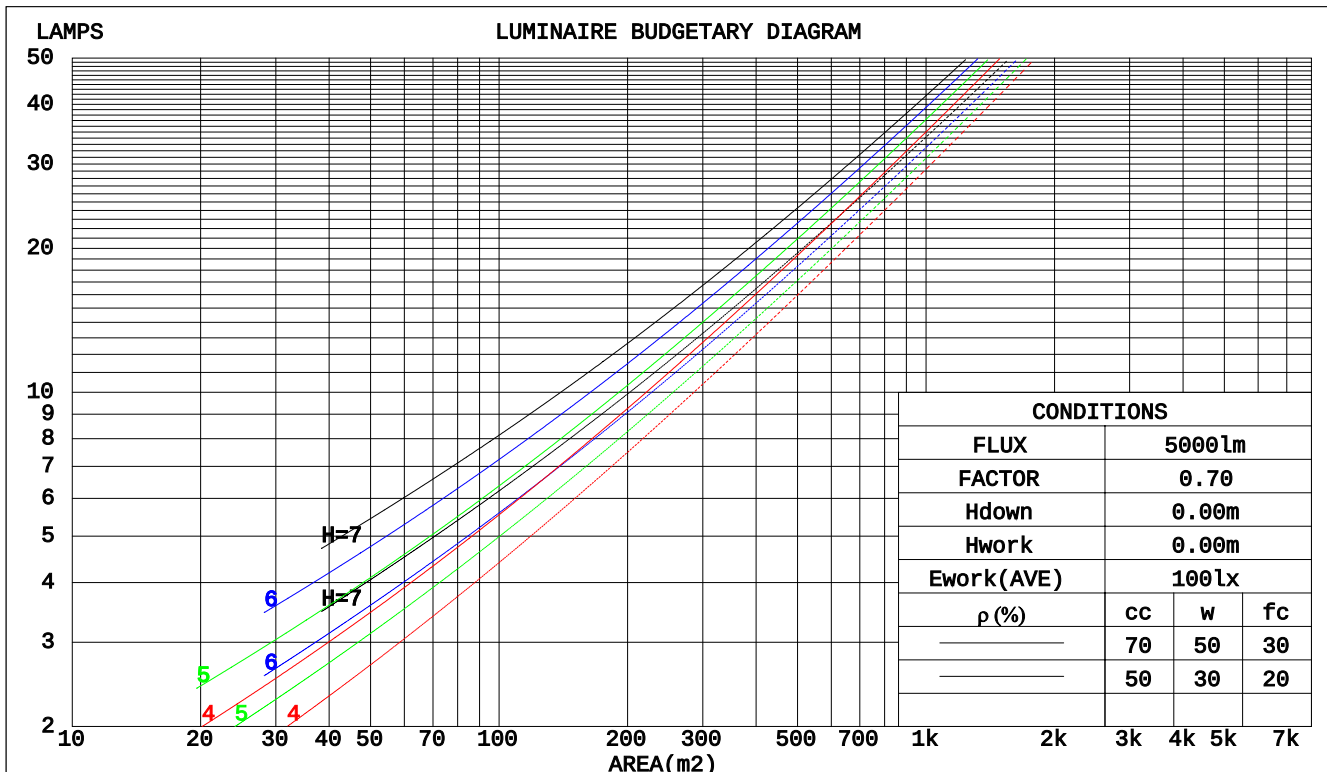
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

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	.00	.00	.00	.94	.94	.94	.91
1.0	.00	.95	.90	.96	.92	.88	.90	.87	.84	.85	.82	.79	.80	.78	.75	.73
2.0	.86	.79	.72	.83	.77	.71	.78	.73	.68	.74	.69	.65	.69	.65	.62	.59
3.0	.75	.66	.60	.73	.65	.58	.68	.62	.56	.64	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.48	.43	.38	.36
6.0	.53	.44	.37	.51	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.27
8.0	.44	.35	.29	.42	.34	.29	.40	.33	.28	.38	.32	.27	.37	.31	.26	.24
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.31	.26	.22	.20



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm					
NAME:ASD-LFMDR-16D24DH-NK			TYPE:LED		WEIGHT:
SPEC.:5000K			DIM.:		SERIAL No.:
MFR.:ASD Lighting Corp			SUR.:		PROTECTION ANGLE:

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 Coeffcients(WEC)										
0.0																	
1.0	.349	.198	.063	.339	.193	.061	.320	.184	.059	.303	.175	.056	.287	.166	.054		
2.0	.313	.171	.053	.304	.167	.052	.287	.160	.050	.272	.152	.048	.258	.146	.046		
3.0	.283	.151	.045	.275	.147	.044	.260	.141	.043	.246	.135	.041	.233	.129	.040		
4.0	.258	.134	.039	.251	.131	.039	.237	.126	.038	.225	.121	.036	.213	.116	.035		
5.0	.236	.120	.035	.230	.118	.034	.218	.113	.033	.206	.109	.032	.196	.105	.031		
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.181	.095	.028		
7.0	.202	.100	.028	.196	.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	.024		
9.0	.175	.085	.024	.171	.083	.023	.163	.080	.023	.155	.078	.022	.148	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.139	.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	.260	.260	.260	.222	.222	.222	.152	.152	.152	.087	.087	.087	.028	.028	.028	
1.0	.253	.226	.202	.217	.194	.174	.148	.134	.120	.085	.077	.070	.027	.025	.023	
2.0	.246	.203	.166	.211	.174	.144	.144	.121	.100	.083	.070	.059	.027	.023	.019	
3.0	.238	.186	.144	.204	.160	.125	.140	.111	.087	.081	.065	.052	.026	.021	.017	
4.0	.231	.173	.129	.198	.149	.112	.136	.104	.079	.079	.061	.047	.025	.020	.015	
5.0	.223	.163	.118	.191	.141	.103	.132	.098	.073	.076	.058	.043	.025	.019	.014	
6.0	.216	.154	.111	.185	.134	.096	.128	.094	.068	.074	.055	.040	.024	.018	.013	
7.0	.209	.148	.105	.180	.128	.092	.124	.090	.065	.072	.053	.039	.023	.017	.013	
8.0	.202	.142	.101	.174	.123	.088	.120	.087	.062	.070	.051	.037	.023	.017	.012	
9.0	.196	.137	.097	.169	.119	.085	.117	.084	.060	.068	.049	.036	.022	.016	.012	
10.0	.190	.133	.095	.164	.115	.083	.114	.081	.059	.066	.048	.035	.022	.016	.012	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm											
NAME:ASD-LFMDR-16D24DH-NK					TYPE:LED			WEIGHT:			
SPEC.:5000K					DIM.:			SERIAL No.:			
MFR.:ASD Lighting Corp					SUR.:			PROTECTION 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	17.9	19.4	18.3	19.7	20.1	18.0	19.4	18.4	19.8	20.2	
	3H	19.6	21.0	20.1	21.4	21.8	19.8	21.1	20.2	21.5	21.9
	4H	20.5	21.7	20.9	22.1	22.6	20.6	21.9	21.1	22.3	22.7
	6H	21.3	22.5	21.7	22.9	23.4	21.4	22.6	21.9	23.1	23.5
	8H	21.7	22.9	22.2	23.3	23.8	21.9	23.0	22.3	23.5	24.0
	12H	22.2	23.3	22.7	23.7	24.2	22.3	23.4	22.8	23.9	24.4
4H	2H	18.6	19.9	19.1	20.3	20.7	18.7	19.9	19.1	20.3	20.8
	3H	20.6	21.7	21.1	22.1	22.6	20.7	21.8	21.1	22.2	22.7
	4H	21.6	22.6	22.1	23.1	23.6	21.7	22.7	22.2	23.2	23.7
	6H	22.5	23.4	23.1	24.0	24.5	22.7	23.6	23.2	24.1	24.7
	8H	23.0	23.9	23.6	24.4	25.0	23.2	24.0	23.7	24.6	25.1
	12H	23.6	24.4	24.2	24.9	25.5	23.8	24.5	24.3	25.1	25.7
8H	4H	22.0	22.8	22.5	23.4	23.9	22.1	22.9	22.6	23.4	24.0
	6H	23.2	23.9	23.8	24.5	25.1	23.3	24.0	23.9	24.6	25.2
	8H	23.9	24.5	24.5	25.1	25.8	24.0	24.7	24.6	25.2	25.9
	12H	24.7	25.2	25.3	25.8	26.5	24.8	25.4	25.4	26.0	26.6
12H	4H	22.1	22.8	22.6	23.4	24.0	22.1	22.9	22.7	23.5	24.1
	6H	23.4	24.0	24.0	24.6	25.3	23.5	24.1	24.1	24.7	25.4
	8H	24.2	24.7	24.8	25.3	26.0	24.3	24.8	24.9	25.4	26.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 1805 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

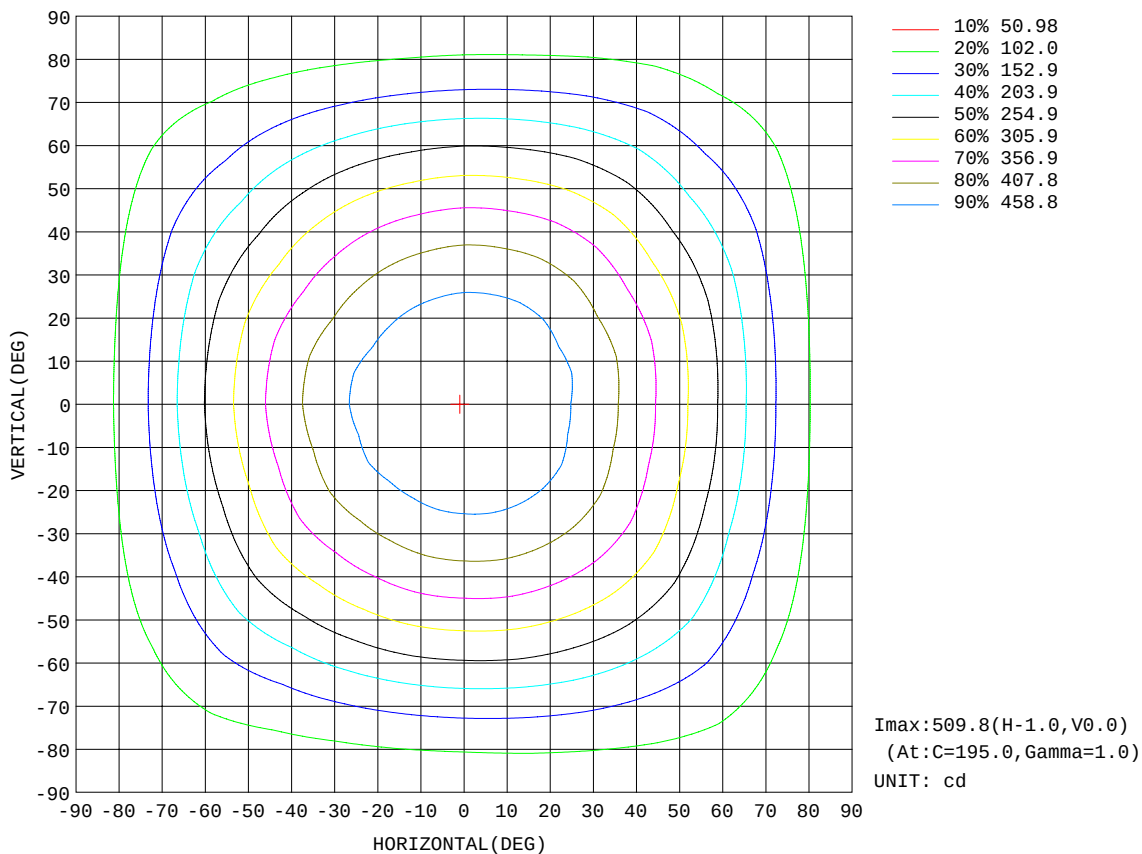
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	33	52	40	33	50	40	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	57	50	66	58	49	41
1.25	77	66	58	75	65	57	72	63	56	47
1.50	82	71	64	80	70	63	76	68	61	52
2.00	89	80	72	87	78	71	82	75	69	59
2.50	94	85	78	91	83	76	86	79	74	63
3.00	97	89	83	94	87	81	89	83	78	67
4.00	101	95	89	98	92	87	93	88	83	72
5.00	104	98	93	101	96	91	95	91	87	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

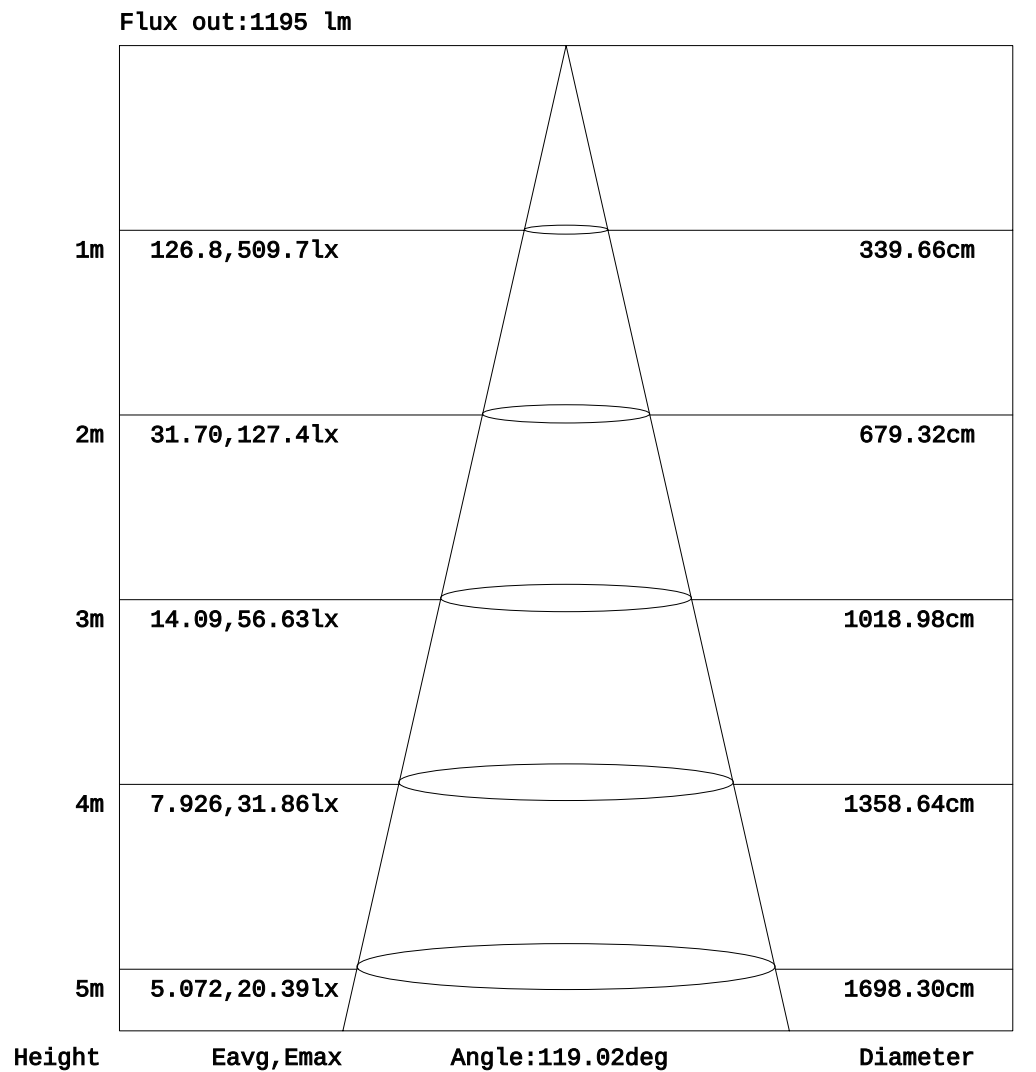


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



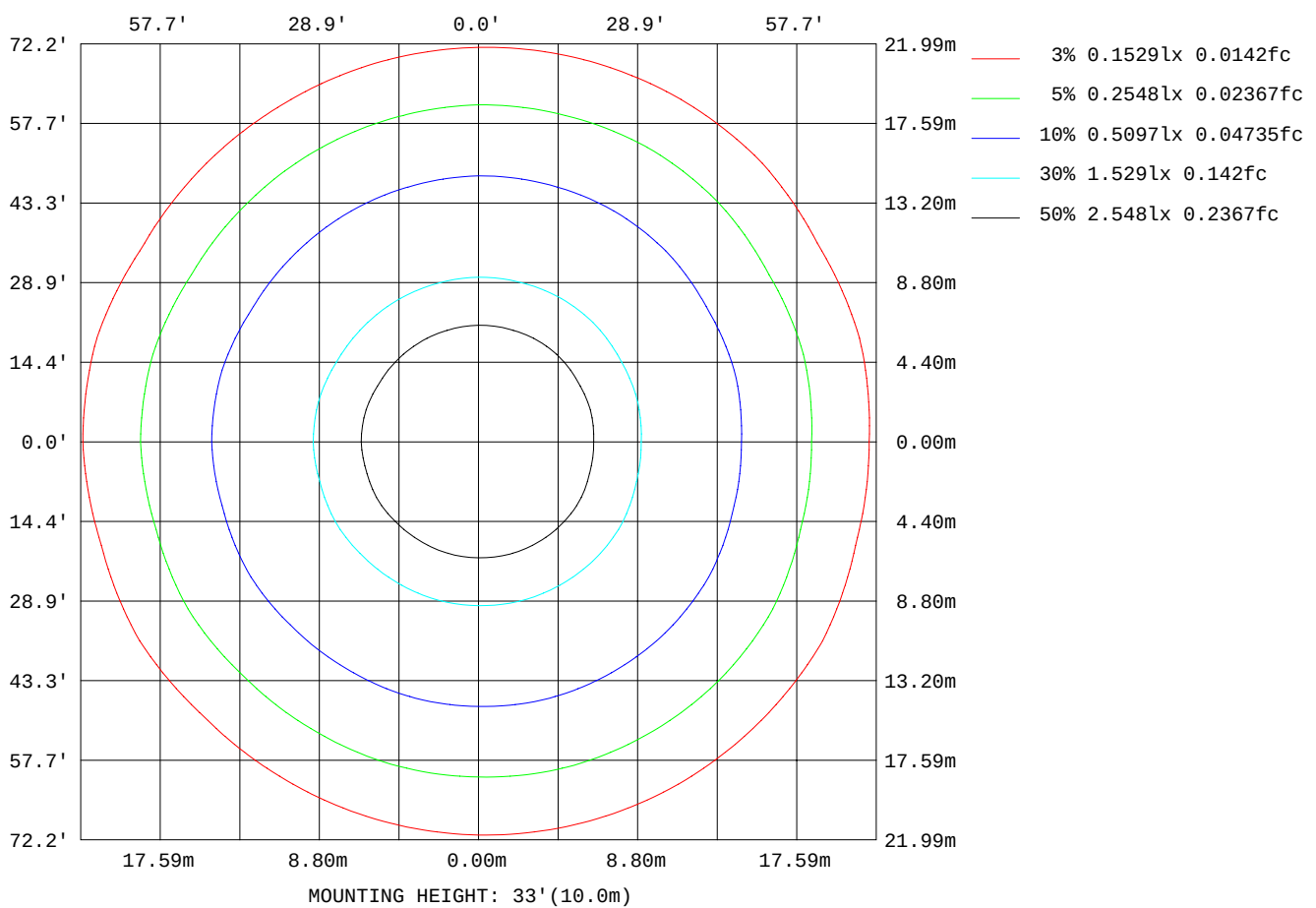
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

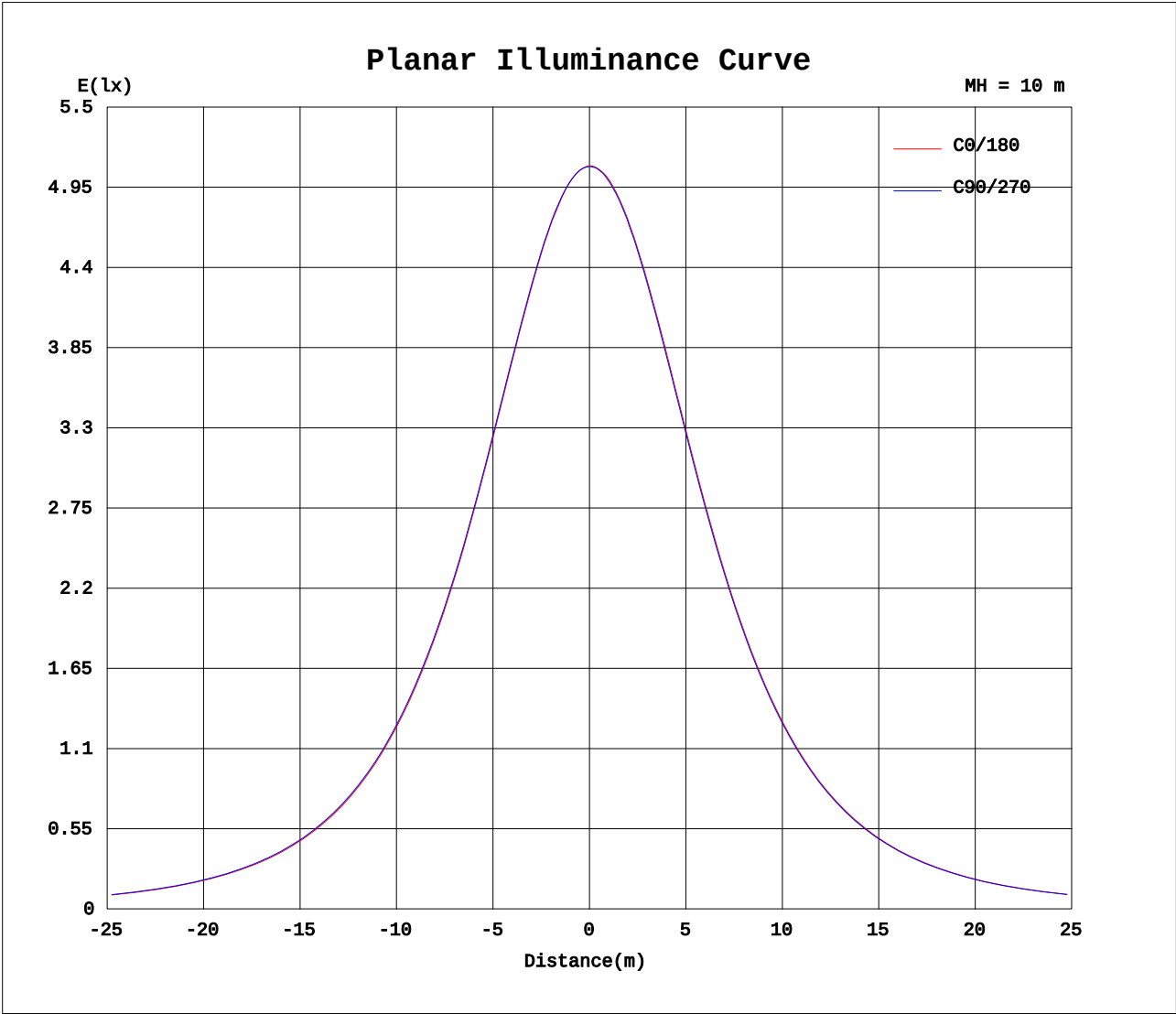
AvgL	cd/m2
L_0~180(65)av	5005
L_0~180(75)av	5322
L_0~180(85)av	9235
L_90~270(65)av	5026
L_90~270(75)av	5343
L_90~270(85)av	9205
L_45(65)av	5003
L_45(75)av	5319
L_45(85)av	9248

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm																			
NAME:ASD-LFMDR-16D24DH-NK										TYPE:LED					WEIGHT:				
SPEC.:5000K										DIM.:					SERIAL No.:				
MFR.:ASD Lighting Corp										SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	510	510	509	509	510	510	509	509	509	509	510	509	510	510	509	509	510	510	509
5	507	507	508	508	508	507	507	507	507	507	507	507	508	508	506	507	507	507	507
10	500	500	503	503	502	502	501	501	500	500	502	502	503	503	500	500	501	501	502
15	490	490	494	494	493	493	491	490	489	490	492	492	494	494	490	490	491	491	492
20	476	477	481	481	480	479	478	477	475	476	479	478	482	481	476	476	477	477	479
25	458	459	464	464	464	463	460	459	457	458	462	460	465	465	458	458	459	460	462
30	437	437	444	444	443	442	439	438	436	436	441	439	445	444	437	436	438	439	442
35	412	413	420	420	419	418	415	414	411	411	417	415	421	420	412	412	414	415	418
40	384	385	393	394	392	391	388	386	383	383	389	387	394	393	384	384	386	387	391
45	353	354	363	364	362	361	357	355	352	352	358	357	364	362	353	352	355	357	360
50	320	321	331	331	329	327	324	322	318	318	325	323	330	329	319	319	321	323	327
55	283	285	295	295	293	292	288	286	282	282	289	287	295	293	282	282	285	287	292
60	246	247	258	258	256	254	250	248	243	243	250	248	256	255	244	244	247	249	254
65	207	208	219	218	217	214	211	208	204	203	211	208	216	216	203	205	206	210	213
70	170	170	181	180	179	176	173	170	167	165	173	169	177	177	165	166	168	171	175
75	135	135	145	144	143	141	138	135	132	130	137	134	141	140	131	131	132	135	139
80	103	105	113	113	111	109	106	103	100	100	105	104	109	108	101	101	102	104	108
85	77.9	79.1	85.9	85.4	84.3	82.5	79.4	77.6	75.4	75.6	79.8	78.2	83.1	82.3	76.4	76.5	77.6	78.7	81.0
90	57.1	58.1	63.4	63.2	62.1	60.8	58.4	56.9	55.3	55.7	59.3	58.3	62.2	61.6	56.9	56.8	57.6	58.4	60.0
95	41.4	42.1	45.8	45.8	45.0	44.0	42.3	41.4	40.2	40.6	43.4	42.9	46.0	45.5	42.1	42.1	42.5	43.0	44.2
100	31.8	32.5	34.4	34.2	33.8	33.5	32.2	31.4	30.8	31.3	33.0	33.1	35.4	35.2	33.3	33.2	33.3	33.7	34.3
105	28.5	29.1	29.3	29.3	29.7	29.2	27.2	27.2	25.7	27.7	29.1	29.8	31.2	31.3	30.8	30.1	29.7	27.1	28.4
110	28.8	29.6	29.6	29.6	29.4	28.3	25.7	24.8	24.6	26.2	29.0	29.2	30.6	30.7	30.4	30.4	28.6	26.5	25.8
115	28.5	28.8	29.5	29.6	29.2	27.2	24.8	24.2	24.0	25.4	28.7	30.1	31.0	31.2	31.1	29.9	27.6	26.1	25.6
120	27.4	27.4	28.4	28.8	28.1	26.5	23.9	23.8	23.5	24.7	27.8	29.0	31.6	31.2	29.7	28.7	26.6	25.4	25.1
125	25.5	25.2	26.6	26.3	25.2	24.3	22.6	23.2	23.2	23.6	26.6	28.0	29.2	29.1	28.1	27.1	25.3	24.5	24.6
130	21.6	21.1	22.6	23.1	22.8	21.6	20.6	20.7	21.1	21.9	24.7	25.8	26.4	26.4	25.9	24.7	23.3	22.6	22.9
135	19.9	19.2	20.3	22.1	20.5	18.4	18.9	18.9	19.4	20.0	22.7	23.3	23.9	23.8	23.1	22.1	21.0	21.2	20.7
140	18.0	17.8	18.7	19.6	17.8	15.9	16.6	16.2	17.5	18.2	20.1	20.5	21.4	21.0	20.1	19.3	18.6	18.1	18.7
145	14.9	15.2	16.2	15.5	14.1	14.3	14.3	14.8	14.5	15.4	17.4	17.8	18.7	18.1	16.9	16.4	16.2	16.1	16.8
150	10.7	10.7	11.5	11.5	11.3	11.9	11.6	12.3	11.6	12.4	14.1	15.5	15.6	14.9	14.0	13.1	13.1	13.7	13.7
155	9.58	10.1	9.79	9.55	10.3	10.00	10.3	10.7	9.93	11.1	11.4	11.7	12.5	12.1	11.0	10.6	10.1	11.0	11.2
160	9.69	9.21	10.7	10.4	9.21	8.45	9.40	9.47	8.54	10.8	9.61	10.5	10.1	9.90	9.59	8.98	9.91	9.78	9.15
165	8.38	7.59	8.18	8.43	7.82	8.16	8.75	9.04	7.97	9.32	10.6	10.2	8.86	9.00	9.27	9.59	9.17	8.20	9.32
170	7.26	7.23	7.33	7.30	7.34	7.41	7.91	7.88	7.79	7.77	8.64	8.59	8.45	8.55	8.48	8.50	7.52	7.97	8.47
175	7.09	7.08	7.13	7.19	7.29	7.23	7.18	7.17	7.22	7.31	7.41	7.36	7.47	7.73	7.61	7.36	7.33	7.26	7.44
180	7.14	7.10	7.04	7.09	7.10	7.09	7.09	7.11	7.12	7.14	7.13	7.11	7.13	7.10	7.04	7.09	7.10	7.09	7.09

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2335A P:26.20W PF:0.9333 Lamp Flux:1805.3x1 lm		
NAME:ASD-LFMDR-16D24DH-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	509	509	509	510	509														
5	508	509	508	508	508														
10	503	503	503	502	502														
15	493	494	494	491	492														
20	480	482	481	478	479														
25	463	465	465	461	462														
30	443	445	445	440	442														
35	419	422	421	416	417														
40	392	395	394	388	390														
45	362	365	364	358	359														
50	329	332	331	324	326														
55	293	297	296	288	291														
60	256	259	259	251	253														
65	217	219	220	211	215														
70	178	181	181	173	176														
75	142	145	145	138	141														
80	109	112	112	107	109														
85	82.4	84.6	84.9	80.5	82.1														
90	60.7	62.9	63.0	59.3	60.6														
95	44.6	46.1	46.0	43.2	44.0														
100	34.0	35.0	34.9	33.0	33.4														
105	27.7	29.4	29.7	28.8	29.0														
110	25.9	28.2	29.2	28.7	29.1														
115	25.7	27.1	28.8	28.5	28.8														
120	25.1	26.6	28.7	28.0	28.2														
125	24.3	25.8	27.6	26.4	26.8														
130	23.0	23.4	24.8	23.5	23.6														
135	20.4	20.1	22.0	21.6	20.6														
140	18.5	18.2	18.9	19.2	19.0														
145	16.7	16.9	15.7	16.7	17.4														
150	13.4	13.8	12.9	12.1	12.3														
155	11.8	11.1	11.1	9.79	9.94														
160	10.8	8.90	10.3	9.98	9.64														
165	9.49	8.25	8.22	8.17	8.66														
170	8.49	8.32	7.68	7.36	7.25														
175	7.48	7.32	7.27	7.20	7.18														
180	7.11	7.12	7.13	7.13	7.11														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: