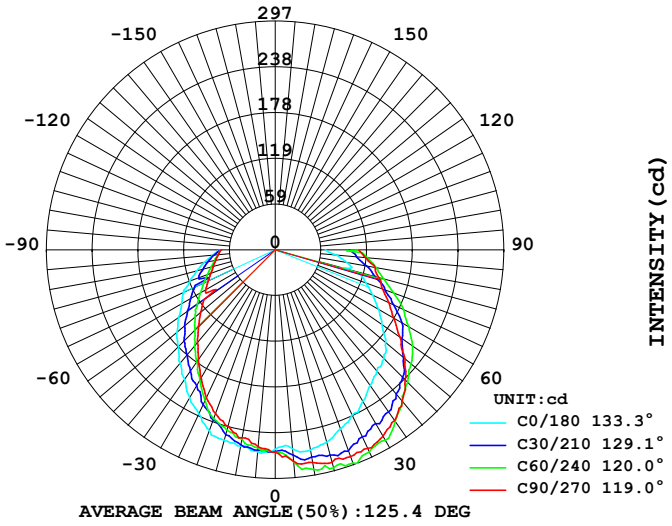
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

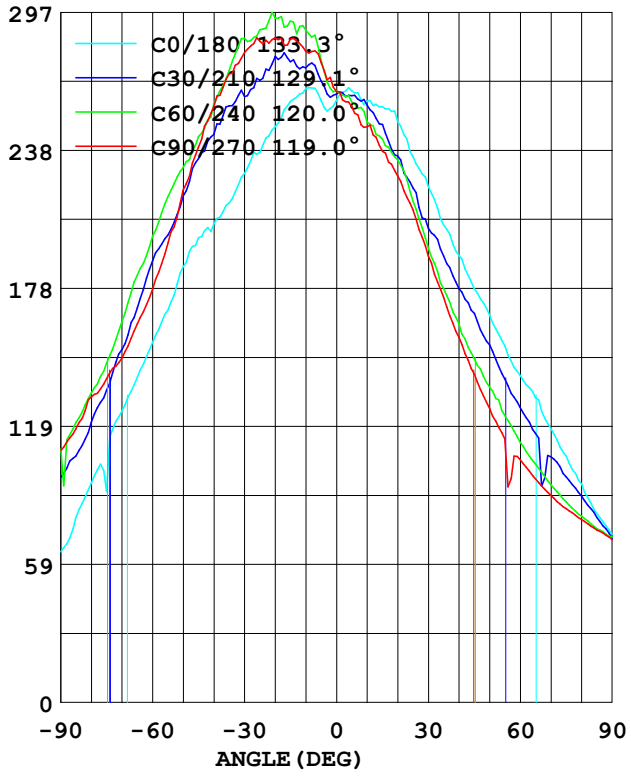
DATA OF LAMP		Imax(cd)	297.1	S/MH(C0/180)	1.30
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.53
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	994.43	Voltage(V)	121.5
RATED VOLTAGE(V)	122	EFFICIENCY(lm/W)	27.0	Current(A)	0.303
NOMINAL FLUX(lm)	994.4	η up(%)	0.0	Power(W)	36.81
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.997
TEST VOLTAGE(V)	121.5	Effictive Flux(lm)	994.4	EEI	0.481

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):125.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



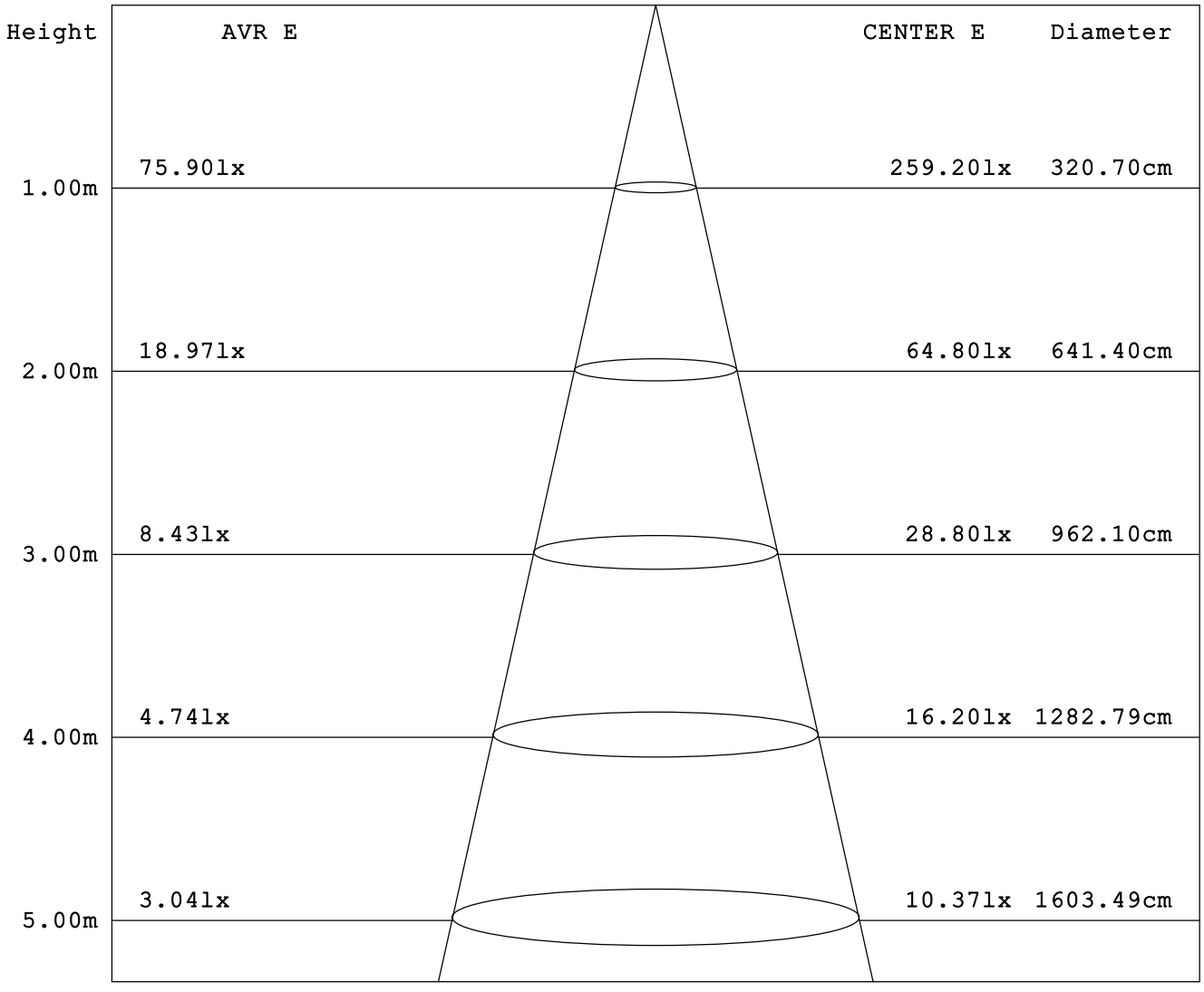
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Angle:116.1deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	259.1	272.0	275.6	268.6	263.2	259.8	256.6	257.7	0- 5	6.299	6.299
10.0	264.2	281.3	280.3	266.8	258.8	253.4	247.8	247.6	5- 10	18.88	25.18
15.0	258.7	284.6	285.6	267.3	256.3	245.6	237.2	241.8	10- 15	30.96	56.14
20.0	247.8	286.3	286.1	268.5	250.1	234.5	226.7	227.5	15- 20	42.29	98.44
25.0	236.8	278.7	284.6	264.2	235.1	218.7	212.2	214.7	20- 25	52.14	150.5
30.0	227.7	273.3	279.8	252.7	222.0	200.0	192.1	200.7	25- 30	60.09	210.6
35.0	215.1	264.4	270.5	242.4	205.6	185.1	174.4	187.3	30- 35	66.35	277.0
40.0	205.9	251.0	256.5	230.8	192.3	170.5	157.1	173.9	35- 40	70.69	347.7
45.0	200.0	238.8	239.0	217.3	177.9	157.7	141.2	160.0	40- 45	73.51	421.2
50.0	187.5	224.0	220.5	201.2	166.5	144.7	126.4	144.2	45- 50	74.64	495.8
55.0	169.0	209.6	197.8	183.4	153.5	131.4	113.5	128.4	50- 55	73.52	569.4
60.0	155.0	195.5	177.9	167.0	140.7	119.4	104.4	116.7	55- 60	71.21	640.6
65.0	139.9	176.8	162.9	153.0	131.1	109.1	96.21	108.8	60- 65	68.88	709.5
70.0	125.4	157.9	148.2	139.7	118.0	99.80	89.08	100.7	65- 70	65.15	774.6
75.0	90.75	140.2	139.3	129.4	105.9	91.70	83.46	94.86	70- 75	61.29	835.9
80.0	94.32	126.8	131.5	121.6	94.05	84.43	78.76	84.43	75- 80	57.36	893.3
85.0	79.52	113.3	117.8	112.4	81.30	77.19	74.28	75.71	80- 85	52.94	946.2
90.0	64.88	102.9	108.4	104.9	72.39	70.93	70.12	68.93	85- 90	48.15	994.4
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

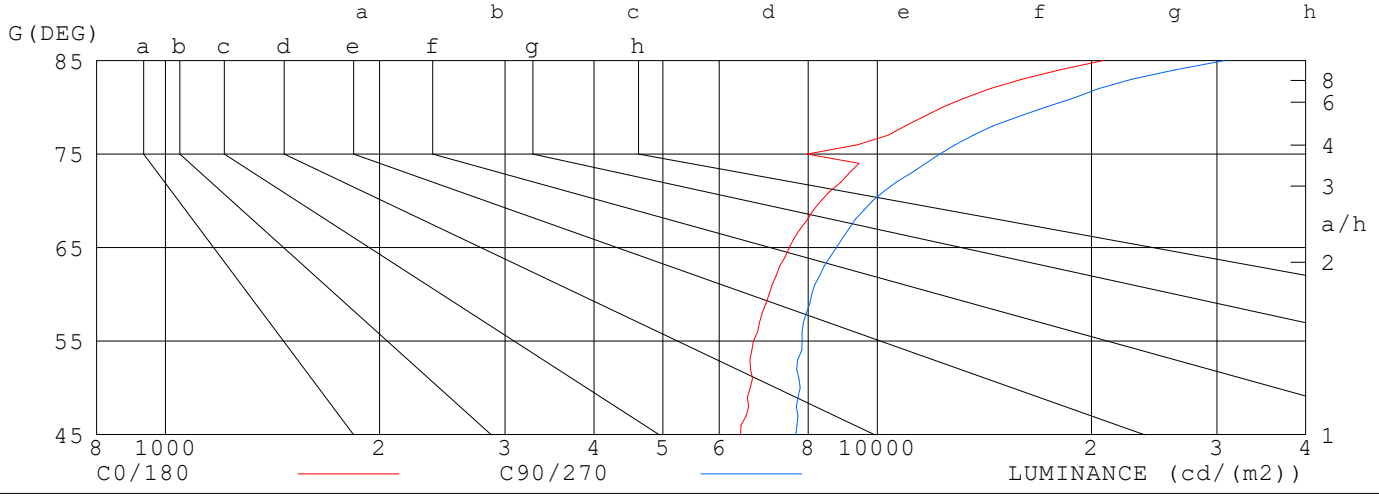
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/m2		
G(DEG)	C0/180	C90/270
85	20736	30724
80	12345	17217
75	7970	12239
70	8339	9850
65	7527	8762
60	7047	8089
55	6698	7841
50	6630	7797
45	6431	7683

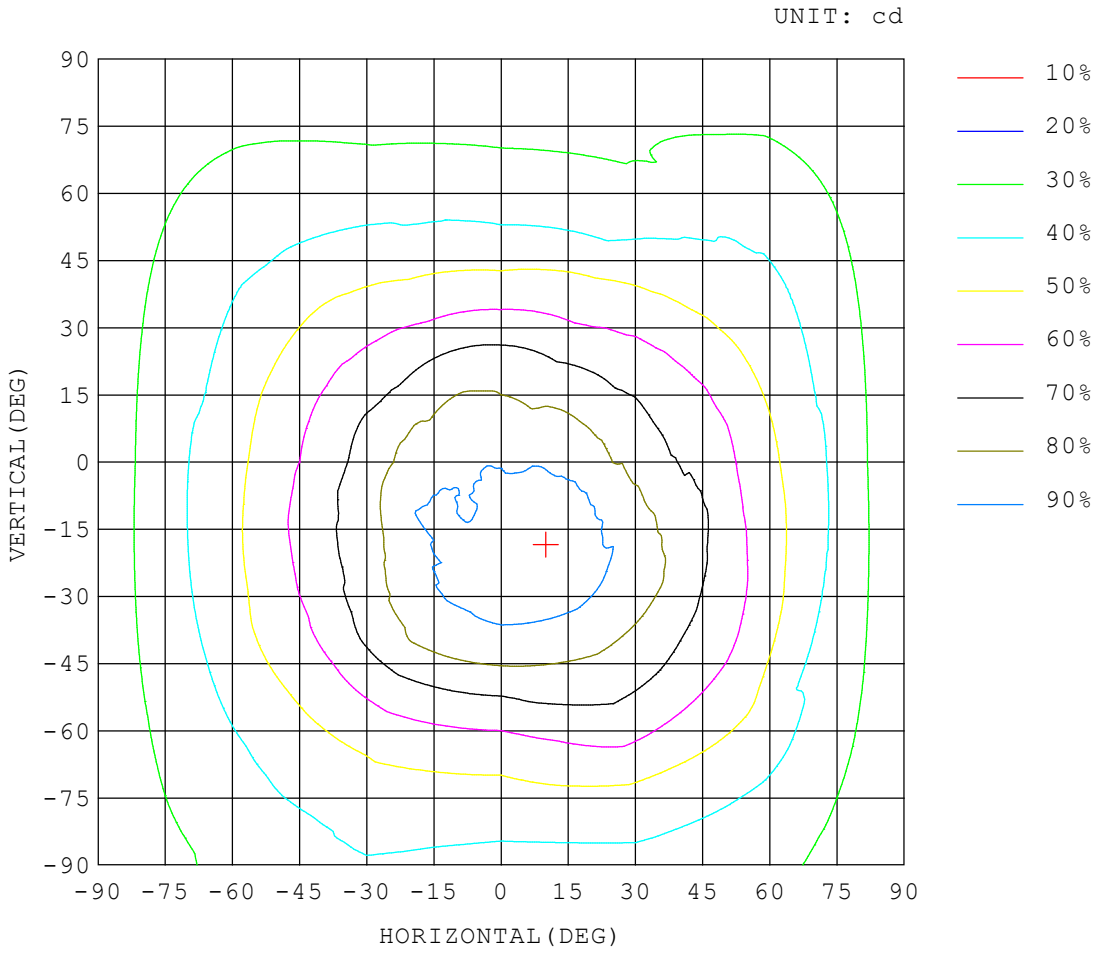
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



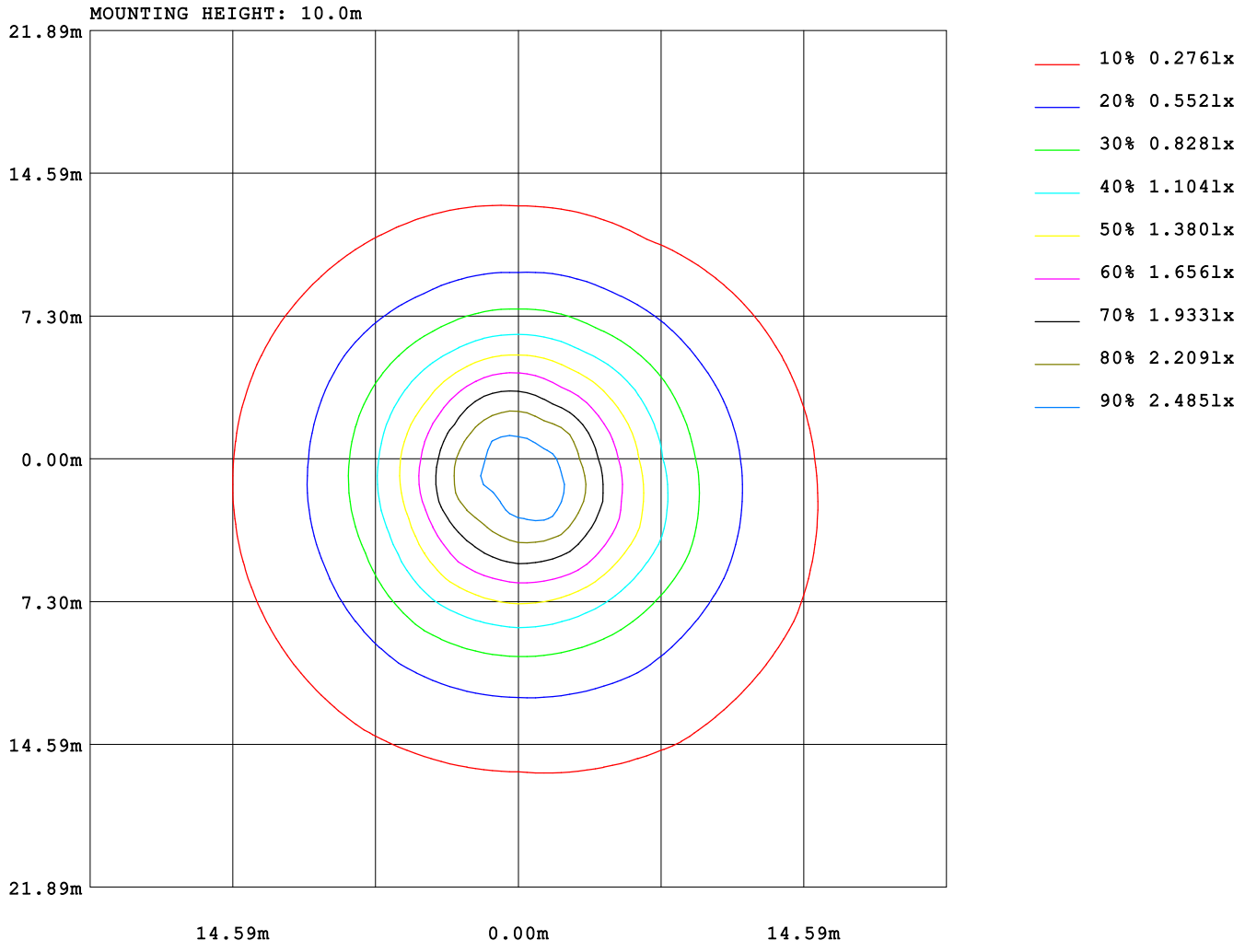
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

UGR Table

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

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	20.2	21.9	20.5	22.1	22.3	20.9	22.5	21.1	22.8	23.0
3H	22.4	24.0	22.7	24.2	24.5	23.2	24.8	23.5	25.0	25.2
4H	23.5	25.0	23.8	25.3	25.6	24.5	26.0	24.8	26.3	26.5
6H	24.8	26.2	25.1	26.5	26.8	26.0	27.5	26.4	27.7	28.0
8H	25.4	26.8	25.8	27.1	27.4	26.9	28.3	27.2	28.6	28.9
12H	26.2	27.5	26.5	27.8	28.1	27.8	29.2	28.2	29.5	29.8
4H 2H	21.3	22.8	21.6	23.1	23.3	21.7	23.2	22.1	23.5	23.8
3H	23.7	25.1	24.1	25.4	25.7	24.3	25.7	24.7	26.0	26.3
4H	25.0	26.3	25.4	26.6	26.9	25.8	27.1	26.2	27.4	27.7
6H	26.4	27.6	26.8	27.9	28.3	27.5	28.7	27.9	29.0	29.4
8H	27.2	28.3	27.6	28.6	29.0	28.5	29.6	28.9	29.9	30.3
12H	28.0	29.0	28.5	29.4	29.9	29.6	30.6	30.0	31.0	31.4
8H 4H	25.8	26.8	26.2	27.2	27.6	26.4	27.5	26.8	27.9	28.3
6H	27.5	28.5	28.0	28.9	29.3	28.4	29.4	28.9	29.8	30.2
8H	28.5	29.3	29.0	29.8	30.2	29.6	30.4	30.1	30.9	31.3
12H	29.6	30.3	30.1	30.8	31.3	30.9	31.7	31.4	32.1	32.6
12H 4H	26.0	27.0	26.4	27.4	27.8	26.5	27.5	27.0	27.9	28.4
6H	27.9	28.7	28.4	29.2	29.6	28.7	29.5	29.2	30.0	30.4
8H	29.0	29.7	29.5	30.2	30.7	30.0	30.7	30.5	31.2	31.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 994.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.0)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

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	53	40	33	52	40	32	51	39	32	25
0.80	62	49	41	61	48	41	59	48	40	33
1.00	70	57	49	68	56	48	66	58	48	40
1.25	76	64	56	75	63	55	72	62	55	46
1.50	81	70	61	80	69	61	76	67	60	51
2.00	89	78	70	87	77	69	83	74	68	59
2.50	93	83	75	91	82	75	86	79	73	63
3.00	97	88	81	94	86	79	90	83	77	68
4.00	101	94	87	99	92	86	94	88	83	73
5.00	104	98	92	102	96	90	97	92	87	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

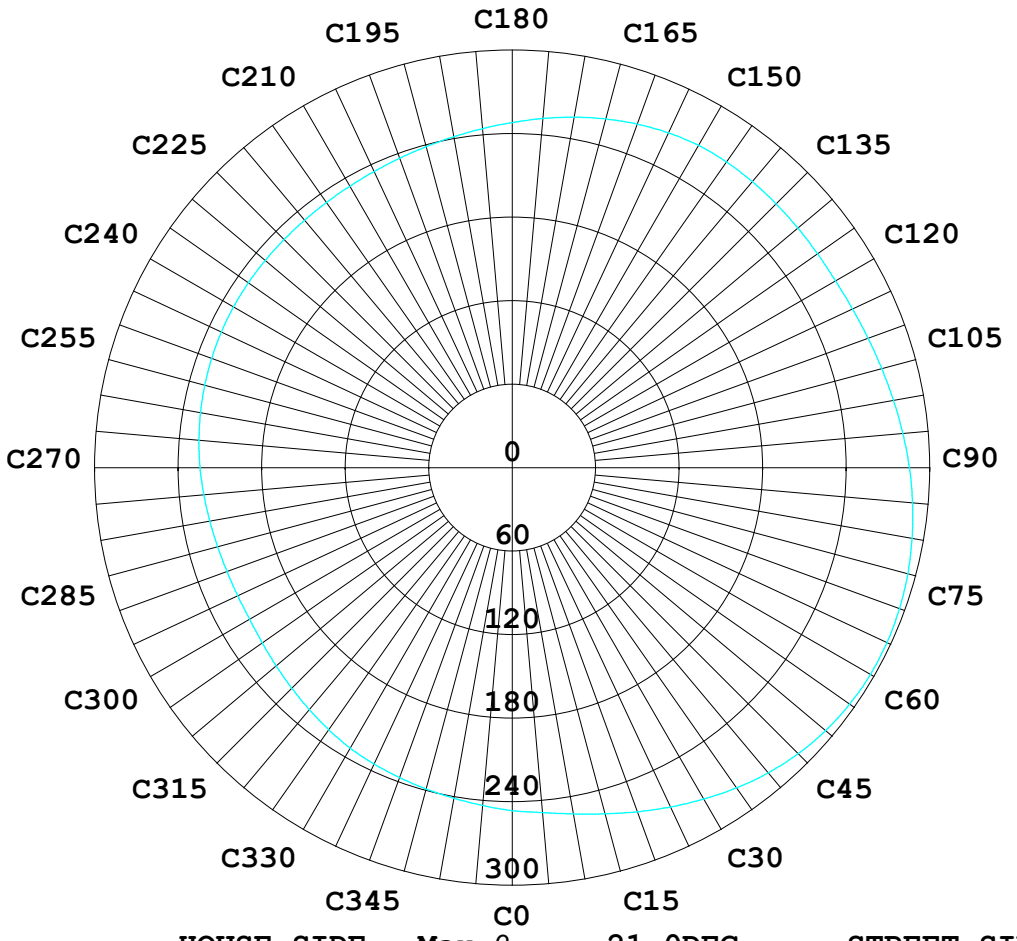
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MD192813-3		TYPE: E24883	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



HOUSE SIDE Max @ γ = 21.0DEG STREET SIDE

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:XuLei
Test Date:2026年03月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks: