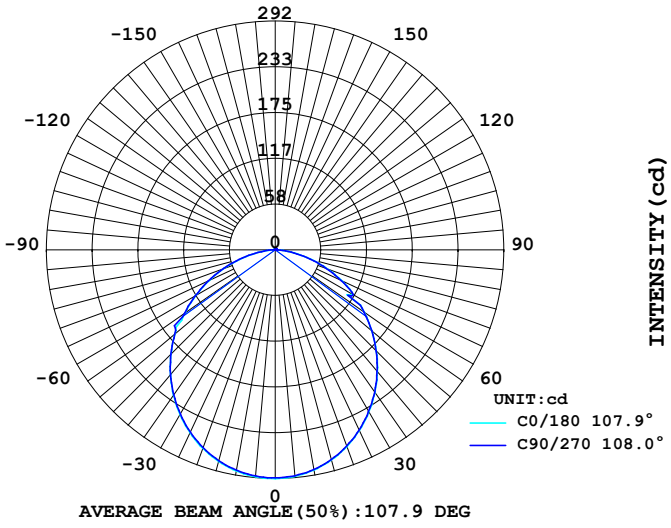
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

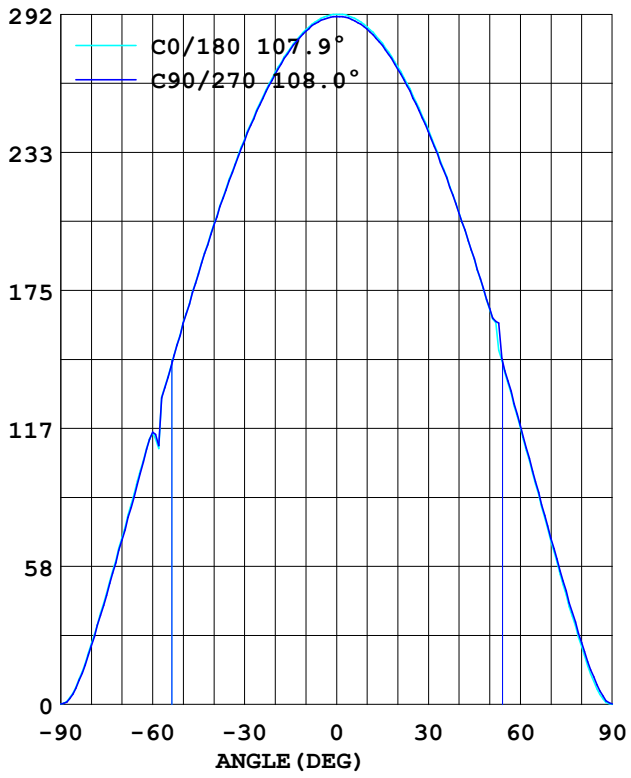
DATA OF LAMP		Imax(cd)	291.5	S/MH(C0/180)	1.22
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.23
NOMINAL POWER(W)	44	TOTAL FLUX(lm)	788.22	Voltage(V)	121.5
RATED VOLTAGE(V)	122	EFFICIENCY(lm/W)	18.2	Current(A)	0.356
NOMINAL FLUX(lm)	788.2	η up(%)	0.7	Power(W)	43.23
LAMPS QUANTITY	1	η down(%)	99.3	Power Factor(PF)	0.997
TEST VOLTAGE(V)	121.6	Effictive Flux(lm)	770.0	EEI	0.696

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):107.9 DEG

LUMINOUS INTENSITY DISTRIBUTION



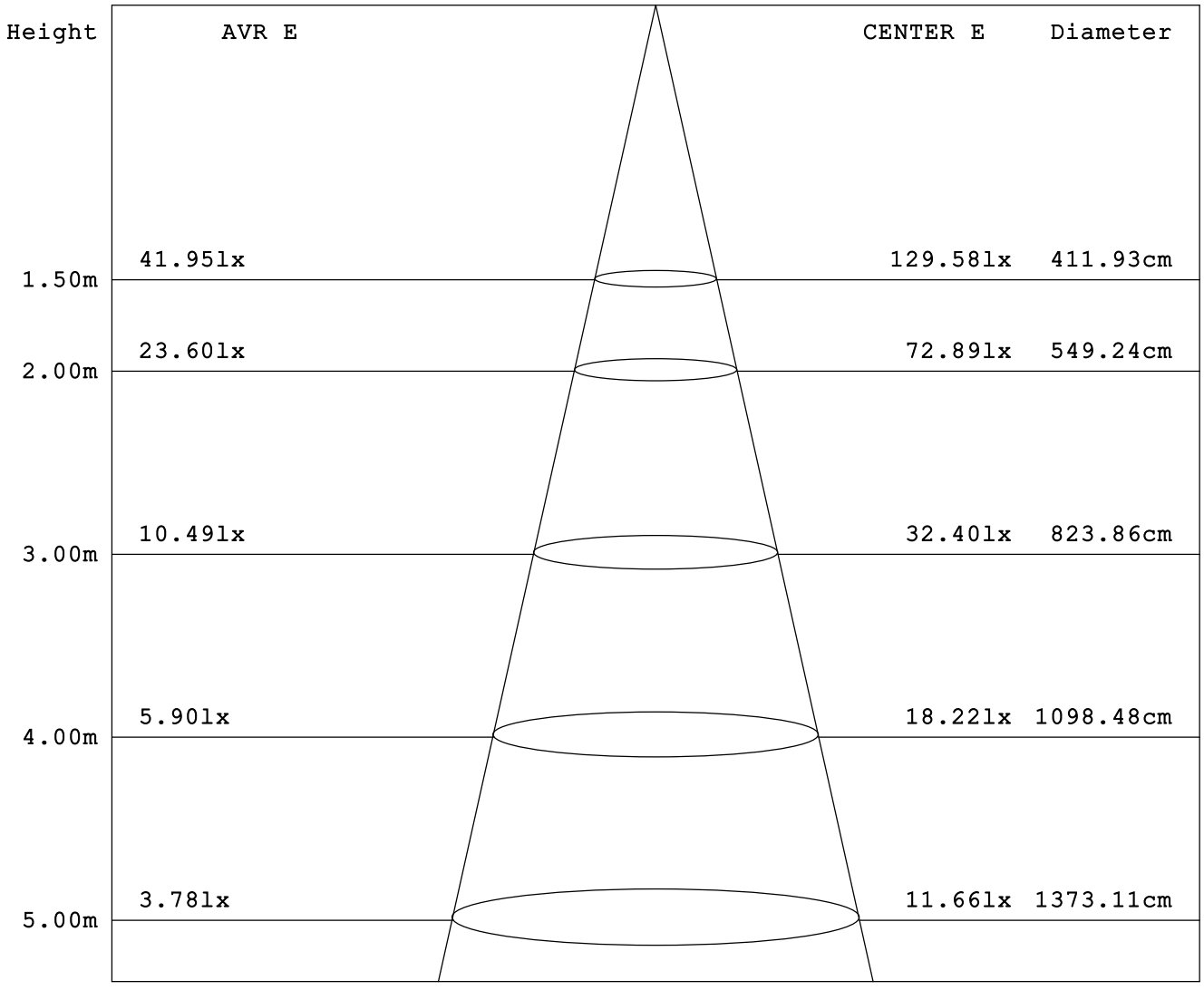
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Angle:107.9deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	289.8	289.6	289.0	288.5	290.3	290.1	289.3	289.4	0- 5	6.940	6.940
10.0	284.9	284.8	284.2	283.6	286.1	285.8	285.2	285.5	5- 10	20.55	27.49
15.0	277.1	277.1	276.5	276.3	279.3	278.5	278.3	278.7	10- 15	33.39	60.88
20.0	267.0	266.6	266.3	266.0	269.4	268.9	268.5	269.5	15- 20	44.95	105.8
25.0	254.0	253.4	253.3	253.2	257.0	256.3	256.1	257.4	20- 25	54.84	160.6
30.0	238.6	238.4	238.0	238.7	242.9	241.5	242.0	243.0	25- 30	62.72	223.4
35.0	221.9	220.8	221.3	221.7	226.1	225.3	225.6	227.2	30- 35	68.32	291.7
40.0	202.8	202.3	202.3	203.4	207.6	206.6	207.4	209.0	35- 40	71.55	363.2
45.0	182.1	181.7	181.8	182.9	188.1	186.5	188.3	189.0	40- 45	72.26	435.5
50.0	161.2	162.5	160.9	162.3	166.8	165.8	167.2	168.4	45- 50	70.53	506.0
55.0	138.5	133.7	138.1	135.1	140.1	143.4	140.9	146.0	50- 55	66.20	572.3
60.0	114.7	110.0	114.9	111.2	117.2	112.1	118.1	107.7	55- 60	58.05	630.3
65.0	94.26	86.16	92.91	87.08	93.08	99.56	94.05	102.3	60- 65	50.89	681.2
70.0	70.44	63.36	69.41	63.85	69.04	75.63	70.12	78.17	65- 70	41.38	722.6
75.0	47.05	40.30	46.02	40.40	46.35	51.86	47.91	54.13	70- 75	30.48	753.1
80.0	25.55	18.69	24.68	19.01	24.52	30.14	26.14	32.25	75- 80	19.14	772.2
85.0	7.293	3.565	6.860	3.943	6.590	11.12	8.265	12.80	80- 85	8.590	780.8
90.0	0.162	0.054	0.216	0.162	0.108	0.648	0.270	0.972	85- 90	1.586	782.4
95.0	0.108	0.108	0.162	0.162	0.216	0.216	0.270	0.270	90- 95	0.105	782.5
100.0	0.216	0.216	0.270	0.270	0.378	0.378	0.432	0.432	95-100	0.143	782.6
105.0	0.378	0.324	0.378	0.432	0.540	0.486	0.540	0.594	100-105	0.212	782.9
110.0	0.486	0.486	0.540	0.540	0.702	0.648	0.702	0.702	105-110	0.279	783.1
115.0	0.648	0.594	0.702	0.702	0.864	0.756	0.864	0.810	110-115	0.341	783.5
120.0	0.810	0.756	0.810	0.864	0.972	0.864	0.972	0.918	115-120	0.395	783.9
125.0	0.972	0.918	0.918	1.026	1.134	1.026	1.134	1.026	120-125	0.441	784.3
130.0	1.134	1.080	1.080	1.134	1.296	1.134	1.296	1.134	125-130	0.475	784.8
135.0	1.242	1.188	1.242	1.296	1.404	1.296	1.404	1.296	130-135	0.498	785.3
140.0	1.350	1.350	1.350	1.404	1.566	1.404	1.296	1.404	135-140	0.497	785.8
145.0	1.458	1.458	1.458	1.512	1.674	1.512	0.972	1.512	140-145	0.471	786.3
150.0	1.566	1.566	1.566	1.566	1.782	1.620	1.080	1.566	145-150	0.439	786.7
155.0	1.674	1.674	1.620	1.674	1.836	1.728	1.134	1.674	150-155	0.400	787.1
160.0	1.782	1.782	1.782	1.782	1.890	1.836	1.566	1.782	155-160	0.353	787.4
165.0	1.890	1.836	1.890	1.836	1.944	1.890	1.944	1.836	160-165	0.302	787.8
170.0	1.998	1.944	1.998	1.890	2.052	1.944	1.998	1.944	165-170	0.229	788.0
175.0	2.052	1.998	2.052	1.944	2.106	1.998	2.052	1.998	170-175	0.143	788.1
180.0	2.106	2.052	2.052	1.998	2.106	2.052	2.052	1.998	175-180	0.049	788.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

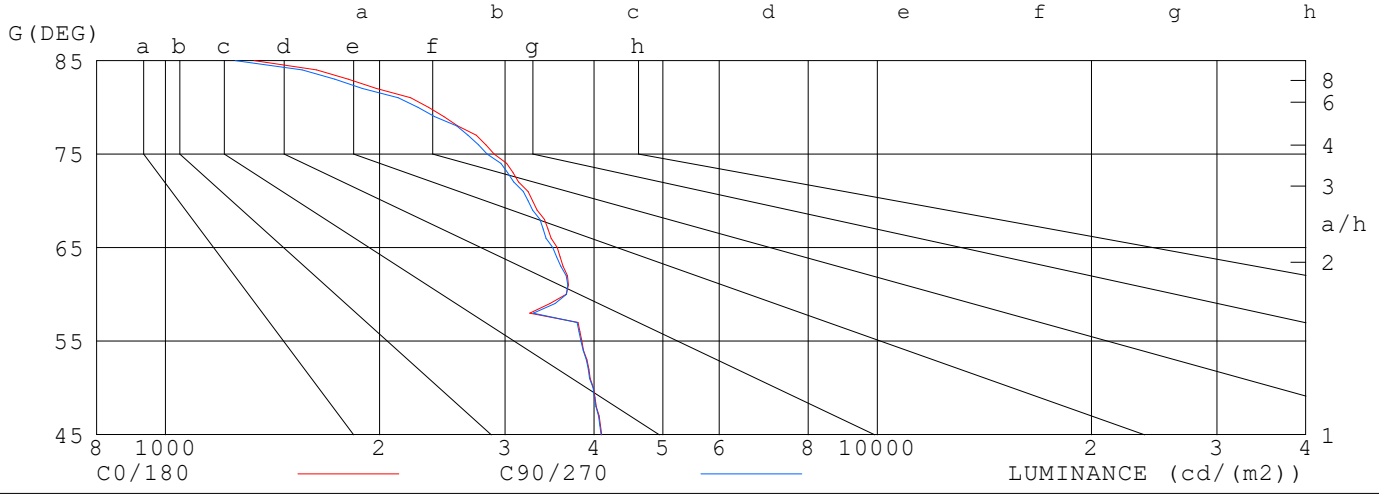
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	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	1332	1253
80	2343	2264
75	2895	2832
70	3280	3232
65	3552	3501
60	3656	3661
55	3845	3836
50	3993	3988
45	4102	4095

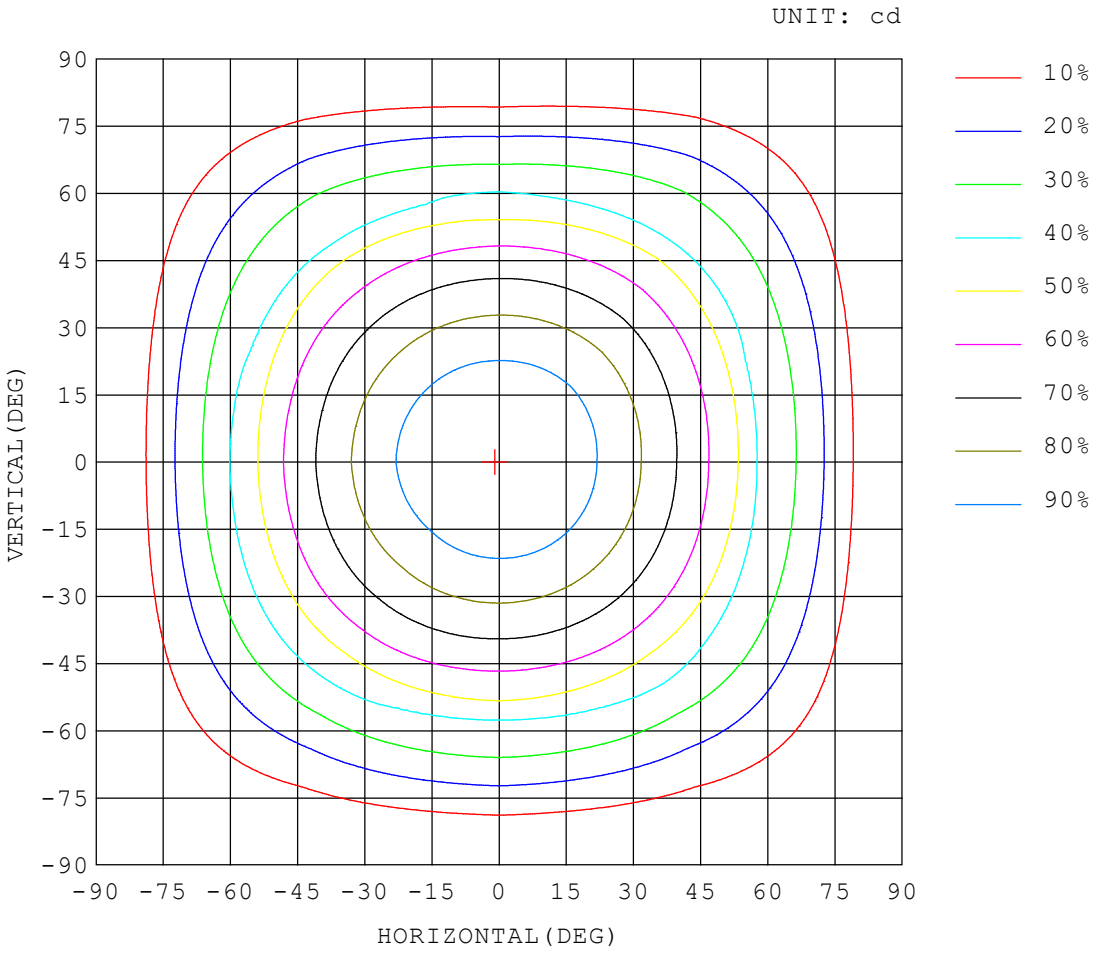
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



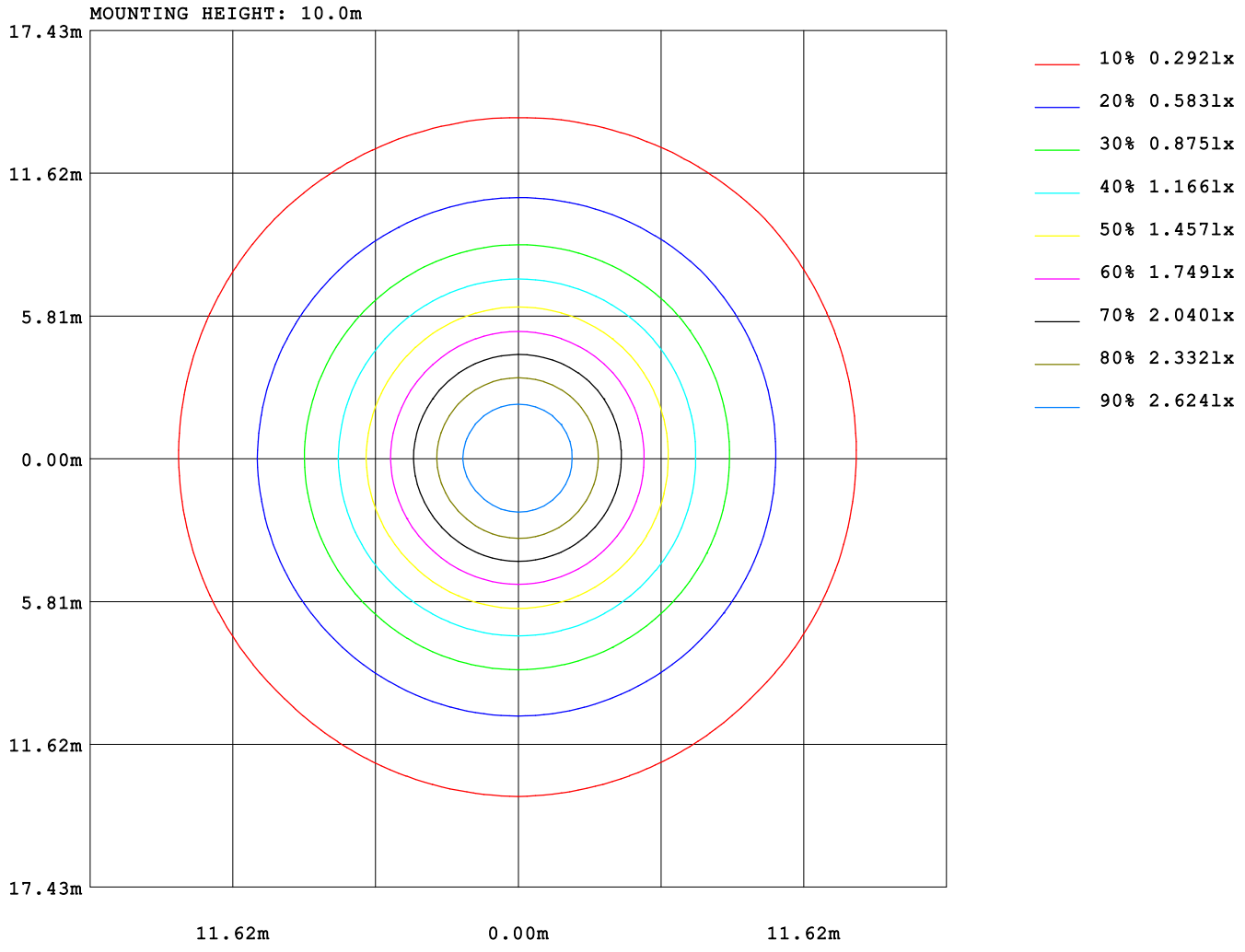
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

UGR Table

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	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	17.3	18.8	17.6	19.0	19.2	17.3	18.8	17.6	19.0	19.2
	3H	18.7	20.1	19.1	20.4	20.6	18.7	20.1	19.0	20.3	20.6
	4H	19.3	20.6	19.6	20.8	21.1	19.2	20.5	19.6	20.8	21.1
	6H	19.6	20.8	19.9	21.1	21.4	19.5	20.8	19.9	21.0	21.3
	8H	19.6	20.8	20.0	21.1	21.4	19.6	20.8	19.9	21.1	21.4
	12H	19.7	20.8	20.0	21.1	21.4	19.6	20.7	19.9	21.0	21.4
4H	2H	17.8	19.1	18.2	19.4	19.7	17.8	19.1	18.2	19.4	19.7
	3H	19.4	20.6	19.8	20.9	21.2	19.4	20.5	19.8	20.8	21.2
	4H	20.1	21.1	20.4	21.4	21.8	20.0	21.0	20.4	21.4	21.7
	6H	20.5	21.4	20.9	21.7	22.1	20.4	21.3	20.8	21.7	22.1
	8H	20.6	21.4	21.0	21.8	22.2	20.5	21.3	20.9	21.7	22.1
	12H	20.6	21.4	21.0	21.8	22.2	20.5	21.3	21.0	21.7	22.1
8H	4H	20.2	21.1	20.6	21.4	21.8	20.2	21.0	20.6	21.4	21.8
	6H	20.7	21.4	21.2	21.8	22.3	20.7	21.4	21.1	21.8	22.2
	8H	20.8	21.5	21.3	21.9	22.4	20.8	21.4	21.3	21.8	22.3
	12H	20.9	21.4	21.4	21.9	22.4	20.8	21.4	21.3	21.8	22.3
12H	4H	20.2	21.0	20.6	21.4	21.8	20.2	20.9	20.6	21.3	21.8
	6H	20.7	21.3	21.2	21.8	22.2	20.7	21.3	21.1	21.7	22.2
	8H	20.9	21.4	21.3	21.9	22.3	20.8	21.3	21.3	21.8	22.3

Variations with the observer position at spacings:		
S = 1.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.1 / - 0.3	+ 0.1 / - 0.3
2.0H	+ 0.3 / - 0.3	+ 0.3 / - 0.3

CIE Pub.117 Corrected 788.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.8)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

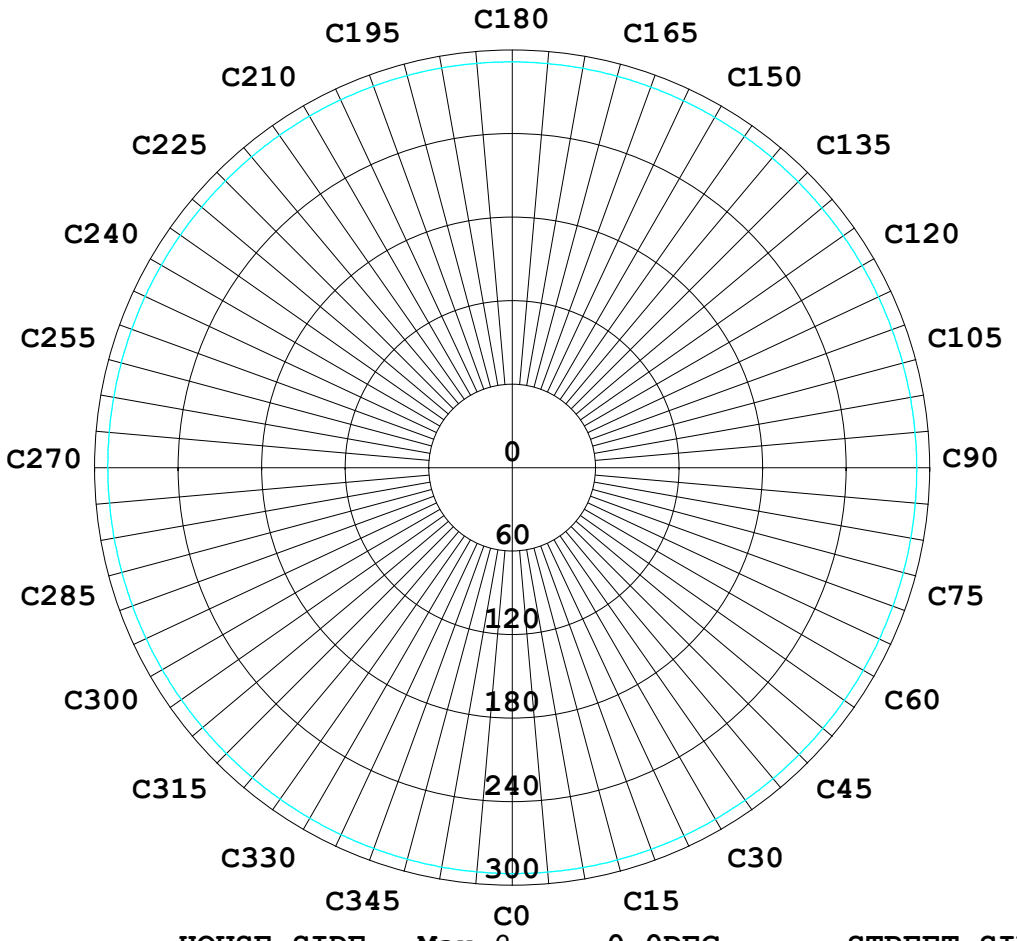
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	74	67	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	91	100	94	90	96	91	87	79
4.00	107	101	97	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

Test System:HOPOO HPG1800 Test Set: 8.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:7.350 m
Test Date:2026年10月20日 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: E52728-BK-3000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年10月20日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks: