

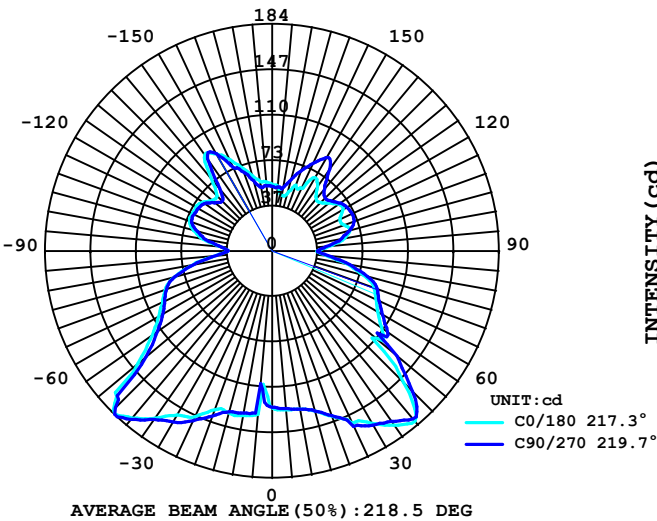
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

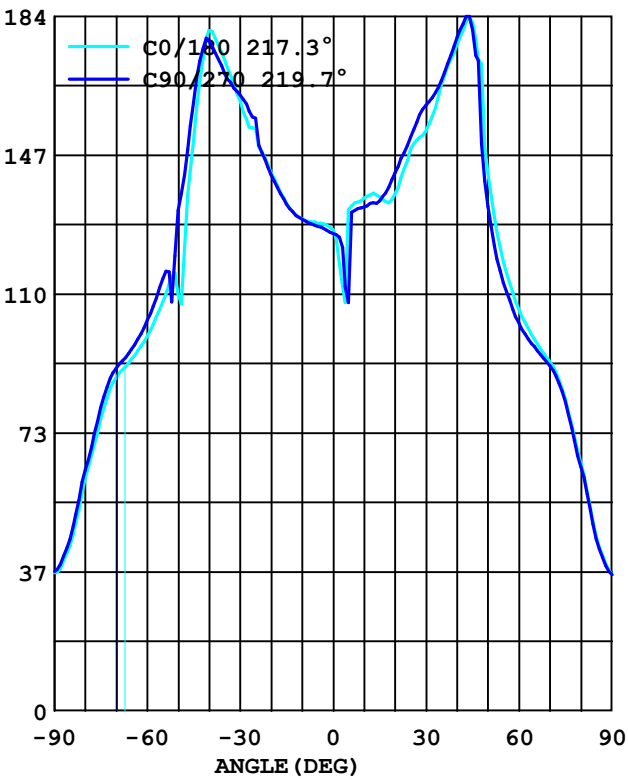
MANUFACTURER:			
Address:			
NAME: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	186.3	S/MH (C0/180)	1.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.73
NOMINAL POWER(W)	32	TOTAL FLUX(lm)	1041.0	Voltage (V)	123.4
RATED VOLTAGE (V)	124	EFFICIENCY (lm/W)	32.1	Current (A)	0.267
NOMINAL FLUX(lm)	1041.1	η up (%)	34.6	Power (W)	32.43
LAMPS QUANTITY	1	η down (%)	65.4	Power Factor (PF)	0.982
TEST VOLTAGE (V)	123.4	Effective Flux(lm)	1041.1	EET	0.408

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



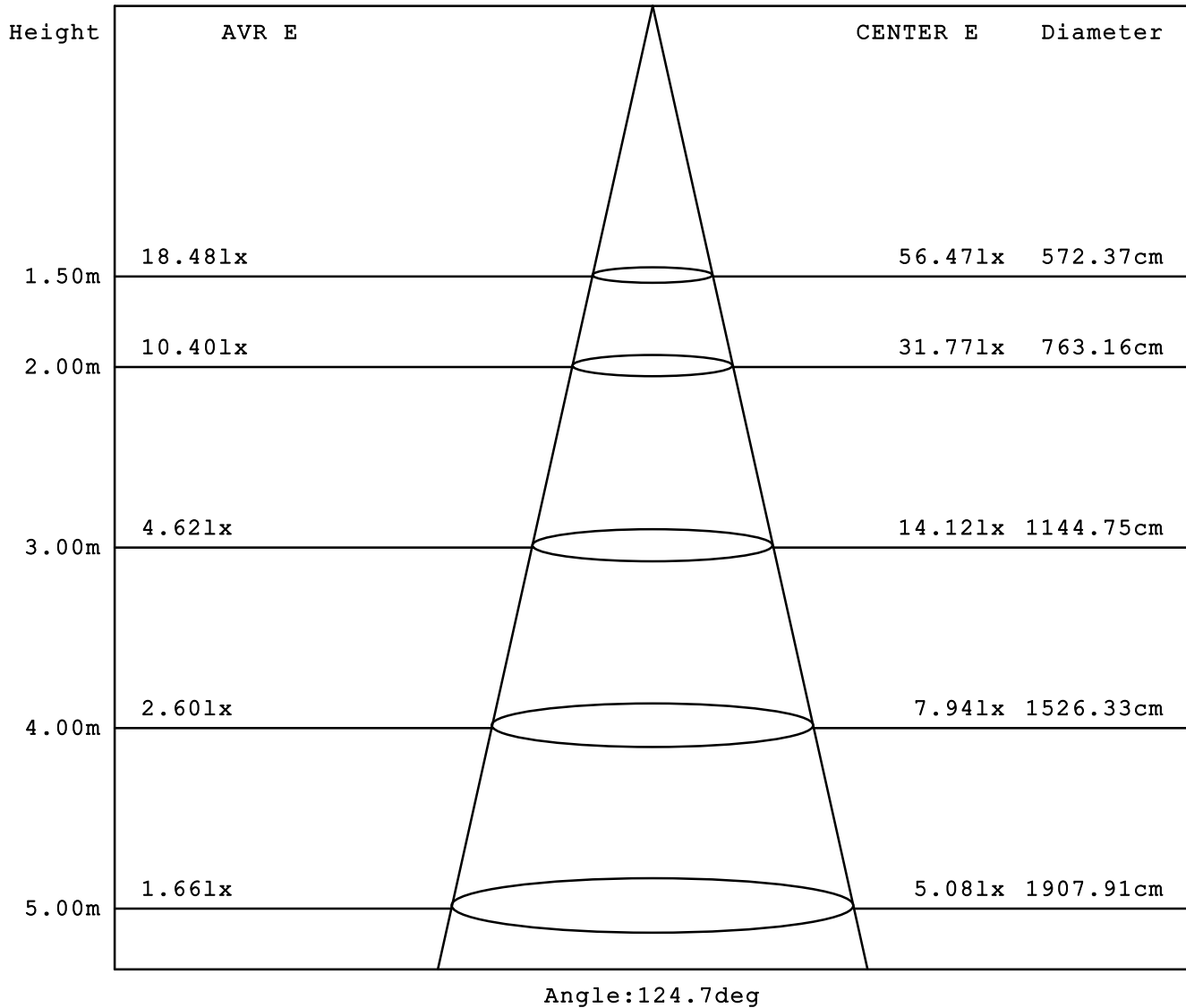
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12日

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: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12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: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	128.8	127.7	127.9	126.7	132.4	129.7	107.8	126.2	0- 5	2.983	2.983
10.0	129.9	131.7	129.8	108.3	135.3	132.1	133.0	127.3	5- 10	9.120	12.10
15.0	134.1	137.3	133.8	137.2	135.7	133.2	134.6	130.9	10- 15	15.73	27.83
20.0	142.1	145.3	141.6	141.7	136.5	139.6	142.1	137.4	15- 20	22.69	50.53
25.0	153.8	155.4	156.5	151.2	148.2	147.6	151.5	140.6	20- 25	30.45	80.99
30.0	161.0	165.3	162.5	162.9	153.0	159.3	159.9	157.7	25- 30	39.36	120.3
35.0	171.7	175.0	168.2	173.6	165.2	166.2	166.3	166.0	30- 35	48.46	168.8
40.0	179.6	183.7	177.0	184.0	176.1	176.7	177.9	174.5	35- 40	58.12	226.9
45.0	150.5	145.7	160.6	173.5	181.9	178.4	179.8	171.4	40- 45	65.48	292.4
50.0	110.0	116.2	132.1	122.7	142.0	141.0	133.2	135.5	45- 50	59.49	351.9
55.0	107.9	105.6	114.0	107.6	118.6	117.2	113.0	115.2	50- 55	51.30	403.2
60.0	99.07	97.72	103.1	98.59	106.2	108.5	102.5	104.8	55- 60	49.62	452.8
65.0	92.86	92.27	95.51	92.21	98.05	100.0	96.10	97.29	60- 65	48.04	500.9
70.0	87.94	86.38	90.43	86.16	92.16	93.02	91.02	91.46	65- 70	46.93	547.8
75.0	77.03	72.55	80.11	72.33	82.27	85.30	81.62	84.11	70- 75	44.60	592.4
80.0	61.42	54.88	63.69	54.99	65.58	69.47	64.50	67.90	75- 80	38.07	630.5
85.0	43.59	40.24	45.16	38.95	46.02	49.91	45.43	49.48	80- 85	29.14	659.6
90.0	36.51	36.41	36.78	34.19	35.92	35.43	35.87	35.54	85- 90	21.55	681.2
95.0	45.86	44.08	43.97	41.38	42.24	34.95	41.48	36.03	90- 95	20.66	701.8
100.0	59.69	50.78	56.93	49.16	57.64	44.35	54.88	46.13	95-100	25.48	727.3
105.0	65.20	58.88	64.93	57.96	65.85	51.15	62.88	52.40	100-105	30.05	757.4
110.0	62.01	61.36	70.44	60.01	71.30	59.10	69.41	58.50	105-110	32.71	790.1
115.0	60.88	57.42	71.57	56.07	71.30	60.12	69.90	55.48	110-115	32.25	822.4
120.0	65.85	43.54	70.39	43.16	71.47	54.72	69.25	50.99	115-120	29.69	852.0
125.0	66.06	35.54	67.69	35.11	68.87	39.49	66.93	39.76	120-125	25.67	877.7
130.0	60.50	37.76	63.04	41.32	63.63	36.73	61.09	33.98	125-130	22.04	899.8
135.0	55.69	40.78	60.99	47.43	63.53	43.00	57.20	39.97	130-135	20.26	920.0
140.0	55.75	42.19	66.06	62.01	76.44	51.53	66.23	46.72	135-140	19.93	940.0
145.0	64.12	54.07	81.35	90.43	95.29	72.71	91.13	59.26	140-145	22.27	962.2
150.0	69.04	73.47	87.62	83.24	90.75	84.92	90.86	74.82	145-150	23.76	986.0
155.0	55.96	63.20	78.54	73.25	81.89	76.54	74.33	67.31	150-155	19.47	1006
160.0	56.66	58.29	69.31	66.23	71.95	68.93	67.85	59.53	155-160	14.28	1020
165.0	48.56	49.91	60.28	57.91	63.36	61.74	58.99	52.23	160-165	10.05	1030
170.0	45.91	44.56	52.23	52.83	57.53	55.21	52.72	44.83	165-170	6.347	1036
175.0	52.99	49.21	51.91	51.48	56.07	51.69	53.42	45.27	170-175	3.626	1040
180.0	53.91	49.86	52.56	49.80	54.13	49.80	52.45	49.75	175-180	1.233	1041
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12日

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

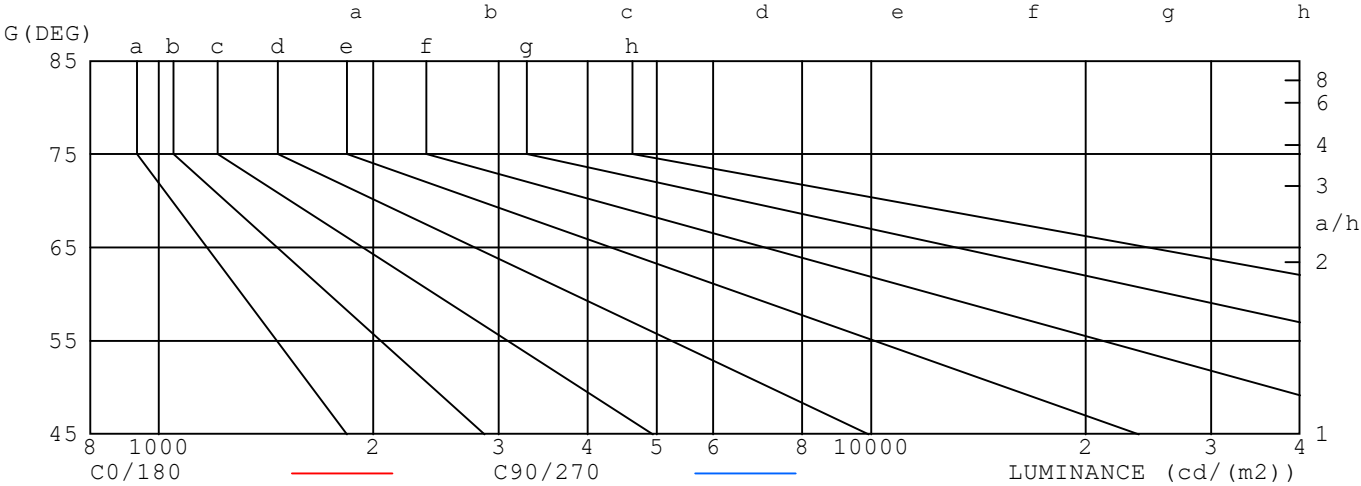
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 103360FNAB		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



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	125052	129546
80	88431	91698
75	74411	77386
70	64286	66103
65	54934	56500
60	49539	51591
55	47069	49706
50	42820	51414
45	53212	56784

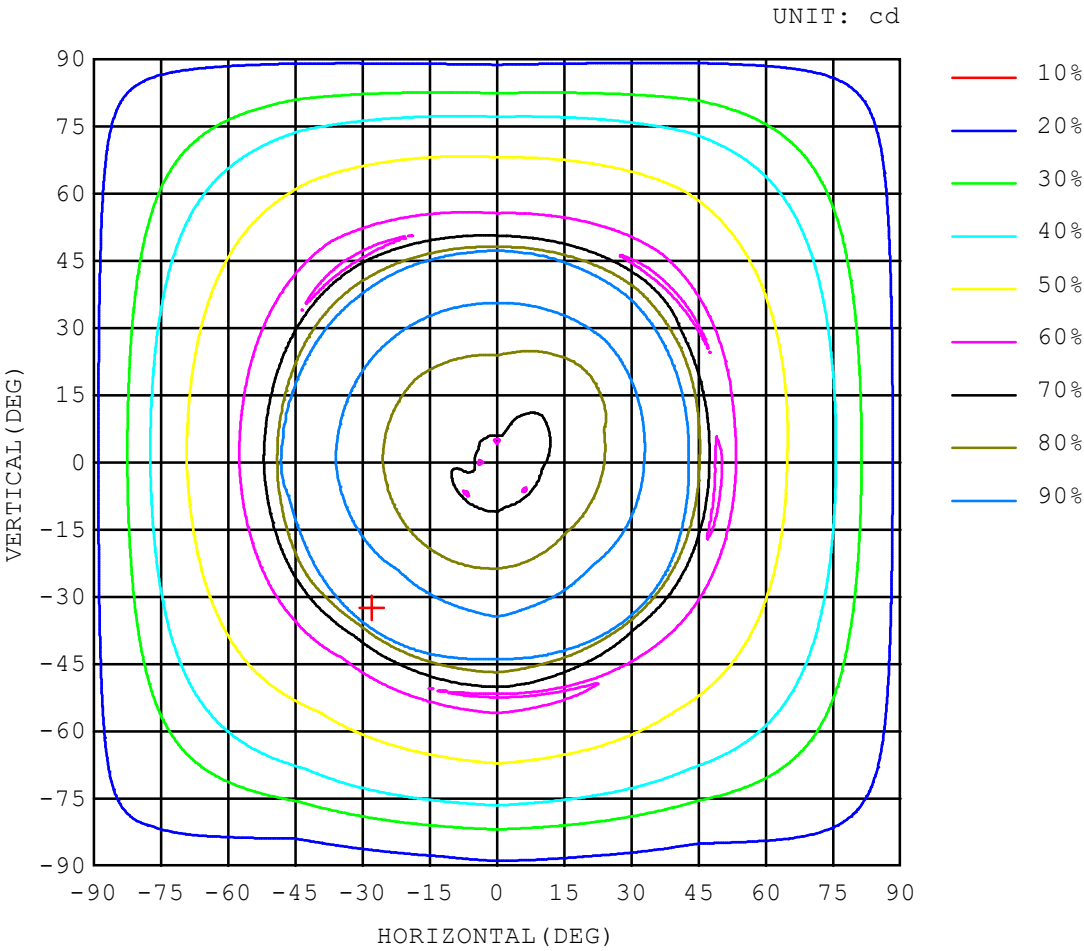
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12日

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: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



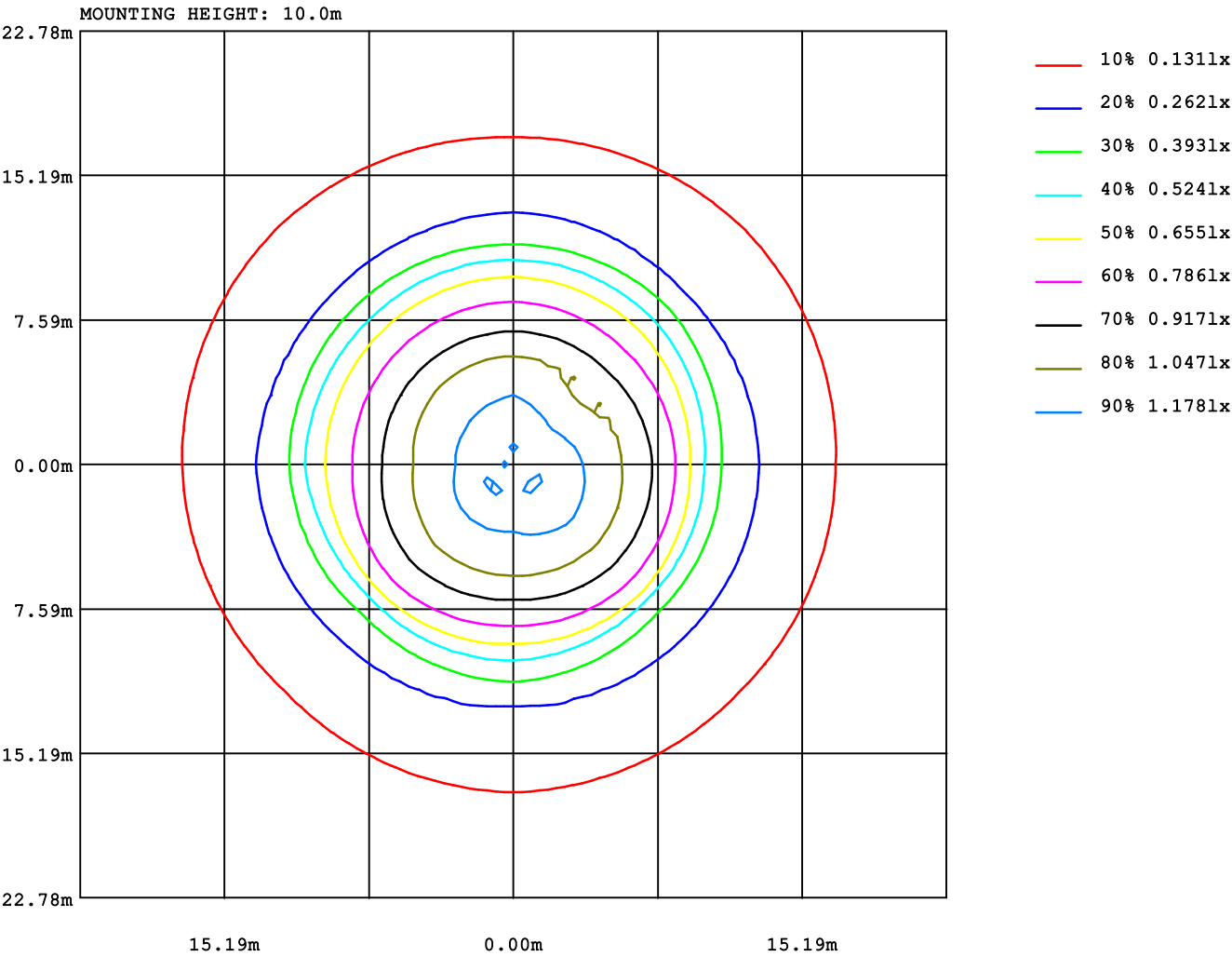
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12日

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: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12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: 103360FNAB					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	24.1	25.3	24.8	26.0	26.8	24.3	25.5	25.0	26.2	27.1
3H	26.5	27.6	27.2	28.3	29.2	26.7	27.8	27.4	28.5	29.4
4H	27.8	28.8	28.5	29.6	30.5	28.0	29.0	28.7	29.7	30.7
6H	29.0	29.9	29.7	30.7	31.6	29.2	30.1	29.9	30.9	31.8
8H	29.5	30.4	30.3	31.2	32.2	29.7	30.6	30.5	31.4	32.4
12H	30.0	30.9	30.8	31.7	32.7	30.3	31.1	31.1	31.9	32.9
4H 2H	24.8	25.8	25.5	26.6	27.5	25.0	26.0	25.7	26.7	27.7
3H	27.4	28.3	28.2	29.1	30.1	27.6	28.4	28.4	29.2	30.2
4H	28.8	29.6	29.6	30.4	31.4	29.0	29.8	29.8	30.6	31.6
6H	30.2	30.9	31.0	31.7	32.7	30.3	31.0	31.2	31.9	32.9
8H	30.8	31.4	31.6	32.3	33.3	31.0	31.6	31.8	32.5	33.5
12H	31.4	32.0	32.3	32.9	33.9	31.6	32.2	32.5	33.1	34.1
8H 4H	29.3	29.9	30.1	30.8	31.8	29.4	30.1	30.2	30.9	31.9
6H	30.8	31.3	31.7	32.2	33.3	30.9	31.5	31.8	32.4	33.4
8H	31.6	32.0	32.4	32.9	34.0	31.7	32.2	32.6	33.1	34.2
12H	32.4	32.8	33.3	33.7	34.8	32.5	33.0	33.4	33.9	35.0
12H 4H	29.3	29.9	30.2	30.8	31.9	29.5	30.1	30.3	30.9	32.0
6H	30.9	31.4	31.8	32.3	33.4	31.1	31.6	32.0	32.4	33.5
8H	31.8	32.2	32.7	33.1	34.2	31.9	32.3	32.8	33.2	34.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1041 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.1)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12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: 103360FNAB		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) $k(RI) \times RCR = 5$									
$k = 0.60$	43	31	24	42	30	24	39	29	23	16
0.80	53	40	32	50	39	31	46	36	30	21
1.00	61	48	39	58	46	38	52	45	36	26
1.25	68	55	47	64	53	45	58	49	42	30
1.50	73	61	52	69	58	51	62	53	47	34
2.00	80	70	61	76	66	59	68	60	54	39
2.50	85	75	67	80	71	64	71	64	59	42
3.00	89	80	73	84	76	69	74	68	63	45
4.00	94	86	80	88	81	76	78	73	68	49
5.00	97	90	84	91	85	80	80	76	72	51
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

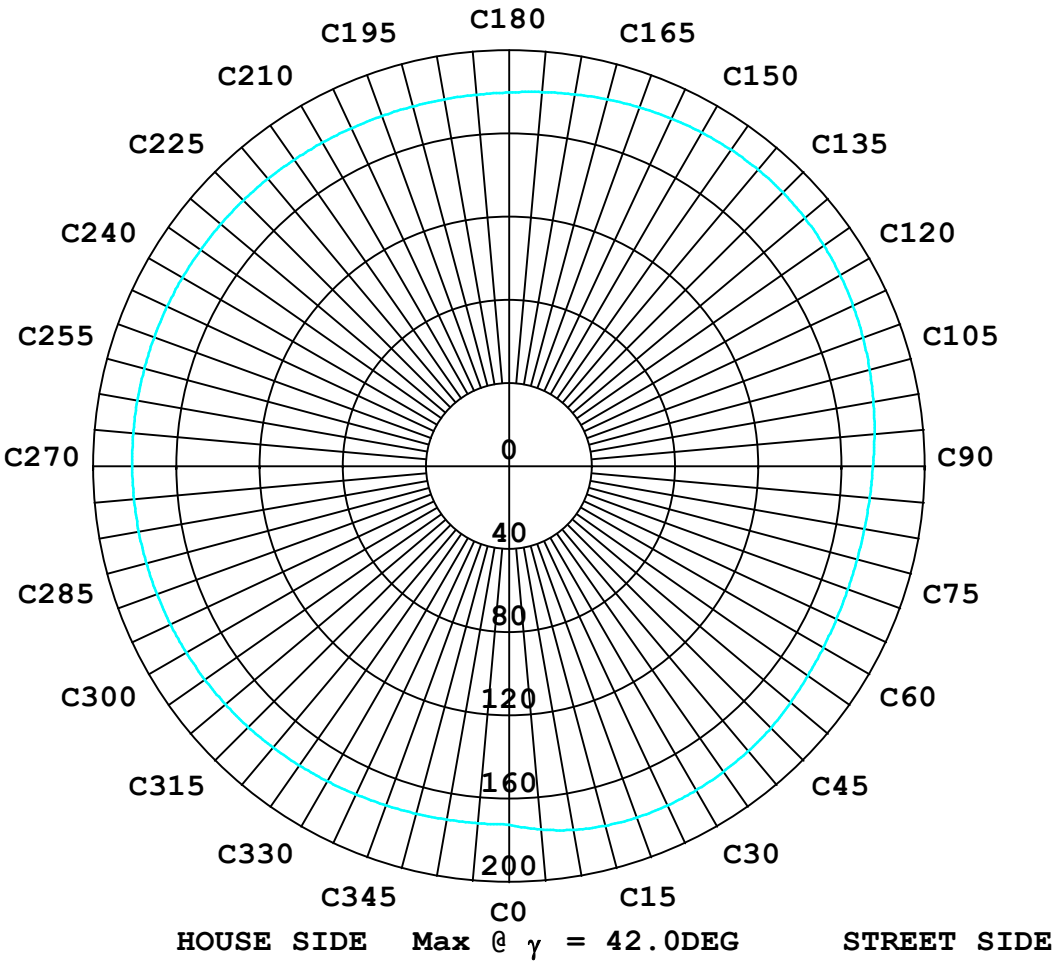
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2026年08月12日

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: 103360FNAB		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年08月12日

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