

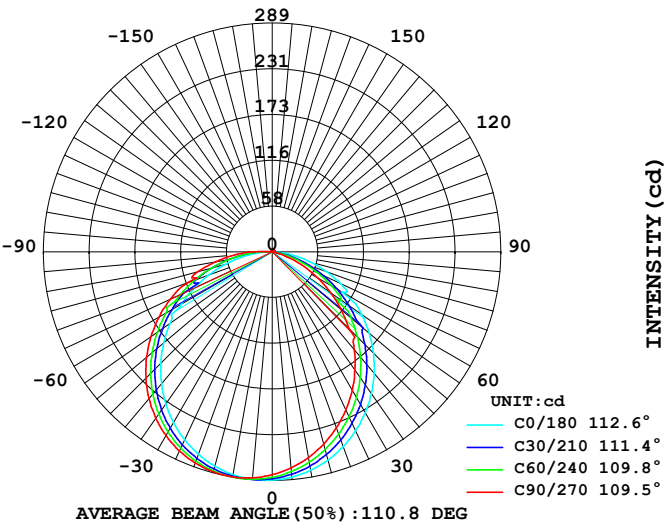
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

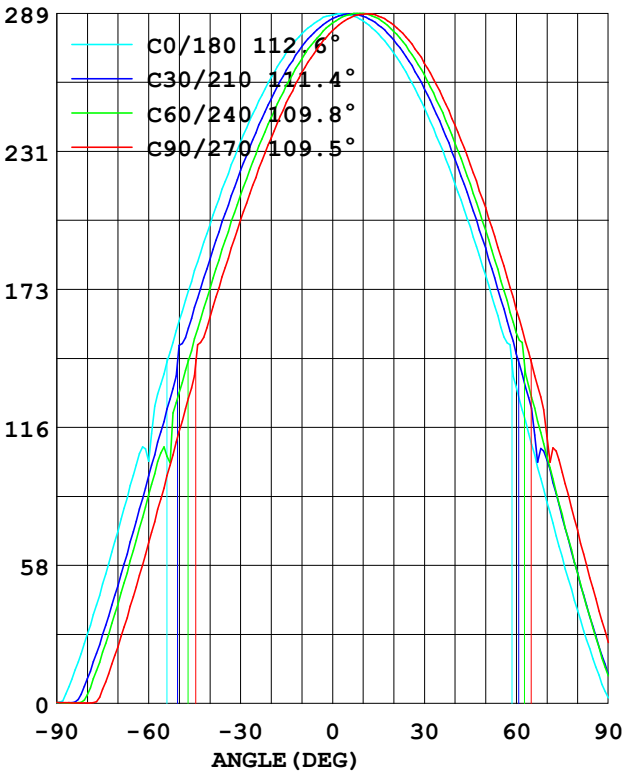
MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21493-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	288.7	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.09
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	806.73	Voltage (V)	121.6
RATED VOLTAGE (V)	122	EFFICIENCY (lm/W)	19.8	Current (A)	0.362
NOMINAL FLUX (lm)	806.7	η up (%)	1.4	Power (W)	40.68
LAMPS QUANTITY	1	η down (%)	98.6	Power Factor (PF)	0.923
TEST VOLTAGE (V)	121.7	Effective Flux (lm)	785.9	EEL	0.644

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



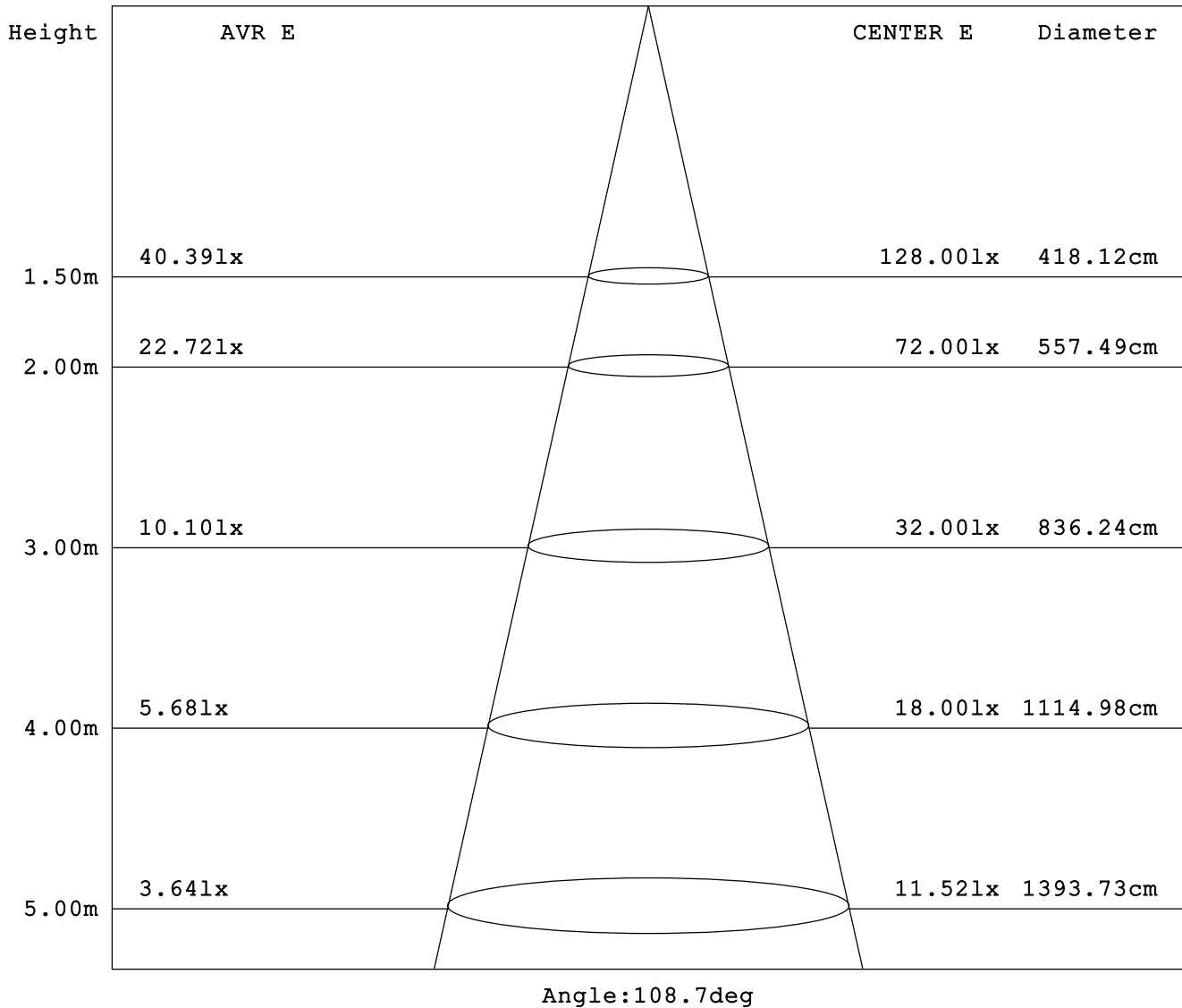
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年06月03日

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: 安喀塞斯			
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SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



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ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: E21493-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	285.4	280.1	273.7	267.2	288.1	288.1	286.3	278.2	0- 5	6.713	6.713
10.0	280.0	272.1	263.8	258.0	285.5	288.1	288.3	279.8	5- 10	19.90	26.61
15.0	272.3	261.8	251.4	246.8	280.1	285.1	287.4	278.5	10- 15	32.38	58.99
20.0	261.8	249.0	236.6	233.0	272.2	279.4	283.8	274.6	15- 20	43.69	102.6
25.0	249.2	234.1	220.0	217.5	261.7	270.9	277.4	268.1	20- 25	53.47	156.1
30.0	234.9	217.8	202.2	200.7	249.3	260.1	267.8	259.1	25- 30	61.38	217.5
35.0	218.3	199.3	182.3	181.8	234.2	246.8	256.3	247.7	30- 35	67.13	284.6
40.0	200.0	179.4	161.2	161.6	217.3	231.0	241.9	233.9	35- 40	70.58	355.2
45.0	181.1	159.1	137.1	142.8	199.2	213.4	225.2	218.1	40- 45	71.68	426.9
50.0	159.9	139.9	113.7	111.5	179.0	194.2	207.3	200.5	45- 50	70.01	496.9
55.0	137.8	112.6	90.00	96.10	157.3	172.9	186.9	181.0	50- 55	66.03	563.0
60.0	101.2	91.32	67.31	73.95	132.4	150.7	164.9	160.3	55- 60	60.30	623.3
65.0	95.45	67.87	44.67	51.56	108.4	125.8	142.4	141.5	60- 65	52.43	675.7
70.0	72.01	45.32	23.66	30.57	84.27	102.6	111.9	112.1	65- 70	42.61	718.3
75.0	50.07	25.20	5.942	12.50	61.42	78.41	96.59	91.40	70- 75	32.74	751.0
80.0	28.84	6.887	0.162	0.864	38.95	54.58	72.55	67.85	75- 80	22.67	773.7
85.0	10.10	0.243	0.216	0.270	18.63	31.84	48.18	44.73	80- 85	14.12	787.8
90.0	0.270	0.270	0.432	0.405	2.376	11.88	25.49	23.74	85- 90	7.465	795.3
95.0	0.324	0.486	0.648	0.621	0.324	0.378	6.050	5.510	90- 95	2.546	797.9
100.0	0.540	0.702	0.864	0.837	0.540	0.270	0.216	0.378	95-100	0.418	798.3
105.0	0.756	0.945	1.134	1.053	0.756	0.486	0.270	0.378	100-105	0.336	798.6
110.0	0.972	1.188	1.404	1.323	1.026	0.702	0.432	0.540	105-110	0.434	799.0
115.0	1.242	1.458	1.620	1.566	1.242	0.918	0.648	0.756	110-115	0.537	799.6
120.0	1.512	1.674	1.890	1.755	1.512	1.134	0.864	0.945	115-120	0.625	800.2
125.0	1.674	1.863	2.106	1.944	1.728	1.350	1.080	1.134	120-125	0.691	800.9
130.0	1.890	2.052	2.268	2.106	1.944	1.512	1.296	1.323	125-130	0.735	801.6
135.0	2.052	2.187	2.431	2.214	2.160	1.701	1.566	1.485	130-135	0.754	802.4
140.0	2.268	2.349	2.593	2.349	2.322	1.836	1.728	1.620	135-140	0.752	803.1
145.0	2.376	2.485	2.701	2.458	2.431	1.971	1.890	1.755	140-145	0.723	803.9
150.0	2.485	2.593	2.809	2.539	2.539	2.106	1.998	1.917	145-150	0.672	804.5
155.0	2.593	2.701	2.863	2.620	2.593	2.214	2.106	2.052	150-155	0.606	805.1
160.0	2.701	2.863	2.917	2.701	2.701	2.376	2.214	2.214	155-160	0.526	805.7
165.0	2.701	2.998	3.025	2.782	2.755	2.512	2.322	2.349	160-165	0.432	806.1
170.0	2.809	3.025	3.079	2.782	2.647	2.647	2.376	2.431	165-170	0.321	806.4
175.0	2.863	2.971	3.025	2.755	2.647	2.674	2.431	2.458	170-175	0.195	806.6
180.0	2.701	2.782	2.647	2.539	2.701	2.782	2.647	2.539	175-180	0.065	806.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年06月03日

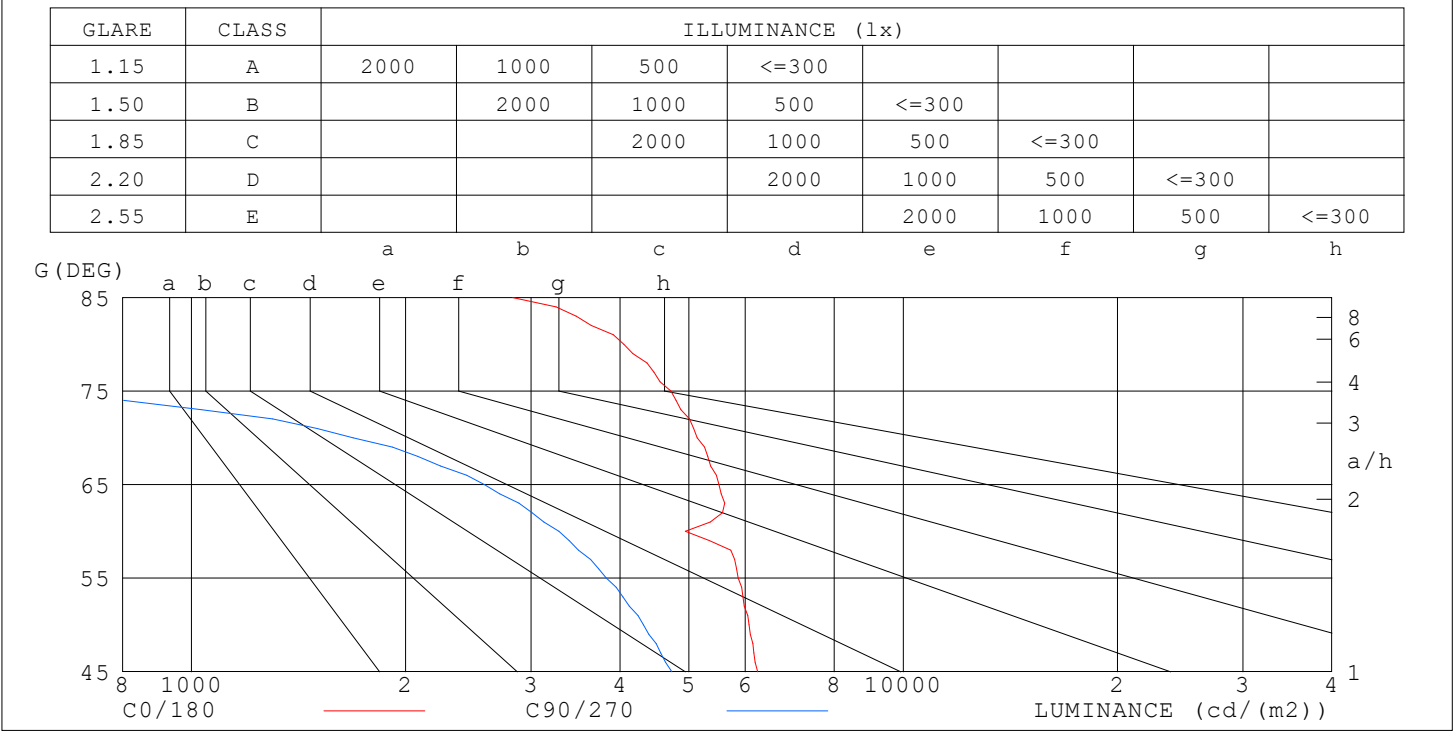
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21493-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	2827	60
80	4052	23
75	4719	560
70	5135	1687
65	5509	2578
60	4941	3284
55	5862	3827
50	6070	4315
45	6248	4729

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Test Date:2026年06月03日

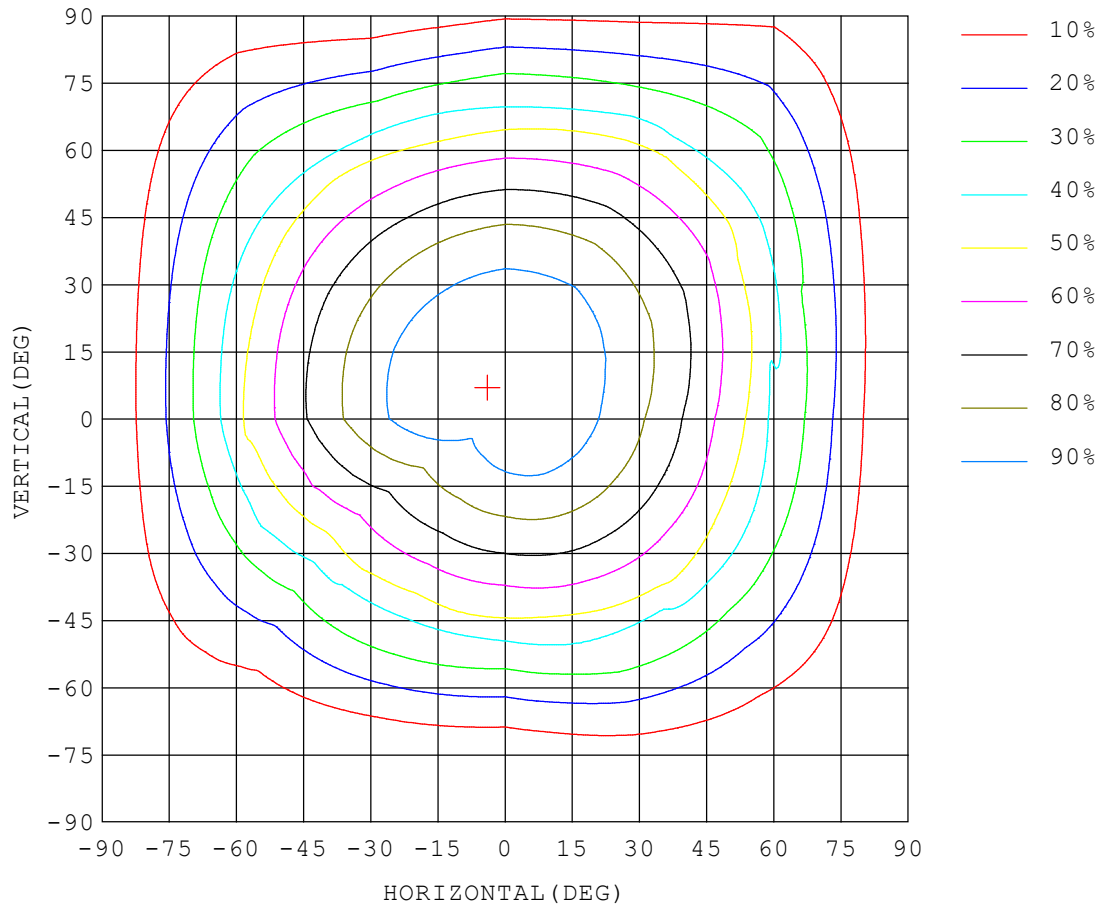
Test Set: 8.0deg/s C-Gamma (TYPE C)
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Remarks:

ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: E21493-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

UNIT: cd



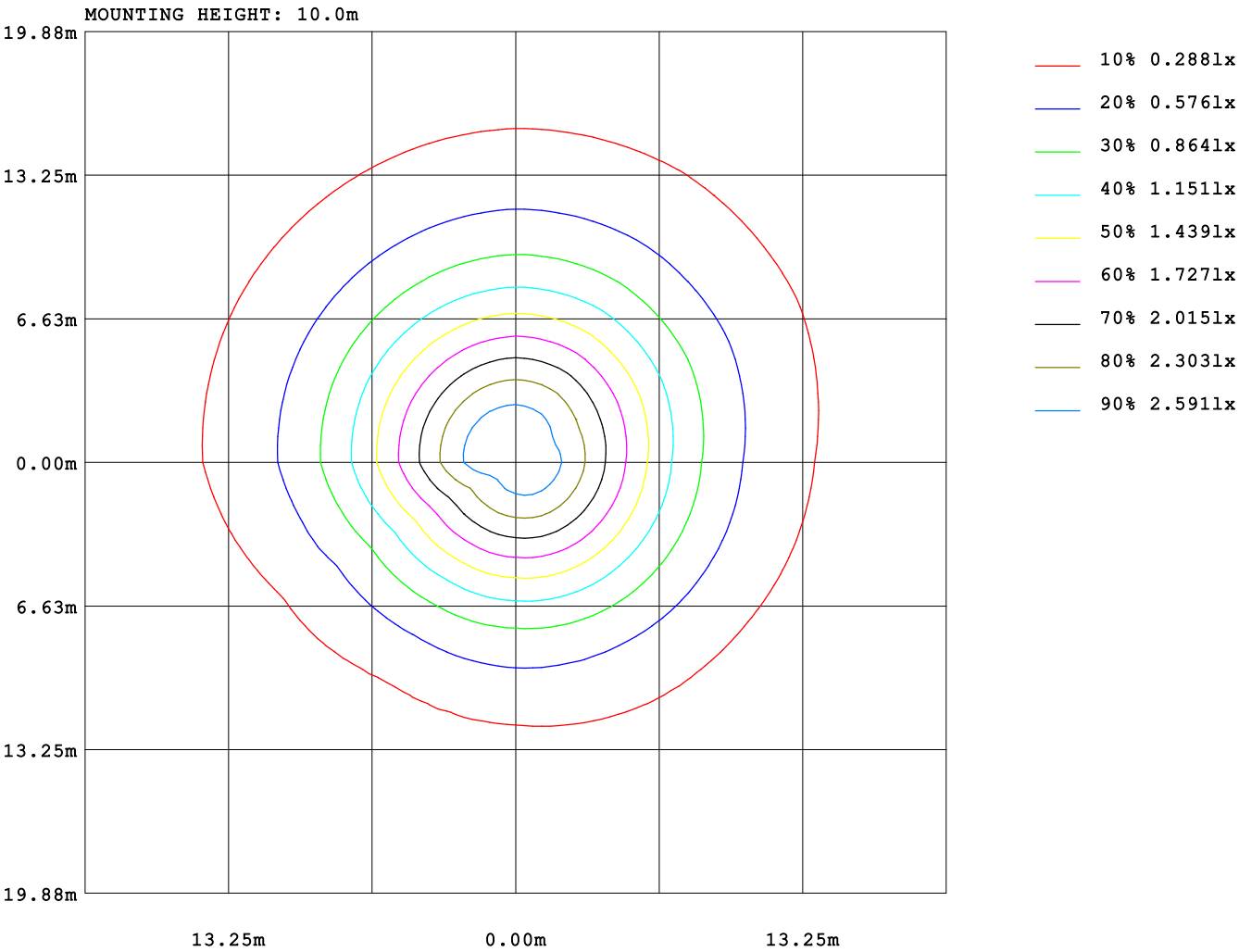
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年06月03日

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21493-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年06月03日

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

UGR Table

Report number:

MANUFACTURER: 安喀塞斯											
Address:											
NAME: E21493-BK					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	18.1	19.6	18.4	19.9	20.1	16.6	18.1	16.9	18.3	18.5	
	3H	19.6	21.0	19.9	21.2	21.5	17.2	18.6	17.5	18.8	
	4H	20.2	21.5	20.5	21.8	22.0	17.2	18.5	17.5	18.8	
	6H	20.5	21.8	20.9	22.1	22.4	17.1	18.3	17.4	18.6	
	8H	20.6	21.8	21.0	22.1	22.5	17.0	18.2	17.4	18.5	
	12H	20.7	21.8	21.0	22.2	22.5	17.0	18.1	17.3	18.5	
4H	2H	18.4	19.8	18.8	20.0	20.3	17.2	18.5	17.5	18.8	
	3H	20.0	21.1	20.4	21.5	21.8	18.0	19.2	18.4	19.5	
	4H	20.6	21.7	21.0	22.0	22.4	18.1	19.1	18.5	19.5	
	6H	21.1	22.0	21.5	22.4	22.8	18.0	18.9	18.4	19.3	
	8H	21.2	22.1	21.6	22.5	22.9	17.9	18.8	18.4	19.2	
	12H	21.3	22.1	21.7	22.5	22.9	17.9	18.7	18.3	19.1	
8H	4H	20.6	21.5	21.0	21.9	22.3	18.2	19.1	18.7	19.5	
	6H	21.1	21.8	21.6	22.3	22.7	18.2	18.9	18.6	19.3	
	8H	21.2	21.9	21.7	22.3	22.8	18.1	18.8	18.6	19.2	
	12H	21.3	21.9	21.8	22.4	22.9	18.1	18.6	18.6	19.1	
12H	4H	20.6	21.4	21.0	21.8	22.2	18.2	19.0	18.6	19.4	
	6H	21.1	21.7	21.5	22.2	22.6	18.1	18.8	18.6	19.2	
	8H	21.2	21.8	21.7	22.2	22.8	18.1	18.7	18.6	19.1	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.4 / - 0.6					
1.5H	+ 0.2 / - 0.3					+ 0.6 / - 0.7					
2.0H	+ 0.5 / - 0.7					+ 0.4 / - 1.3					

CIE Pub.117 Corrected 806.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.7)

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Operators:
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UTILIZATION FACTORS TABLE

Report number:

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Address:			
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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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	77	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	95	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

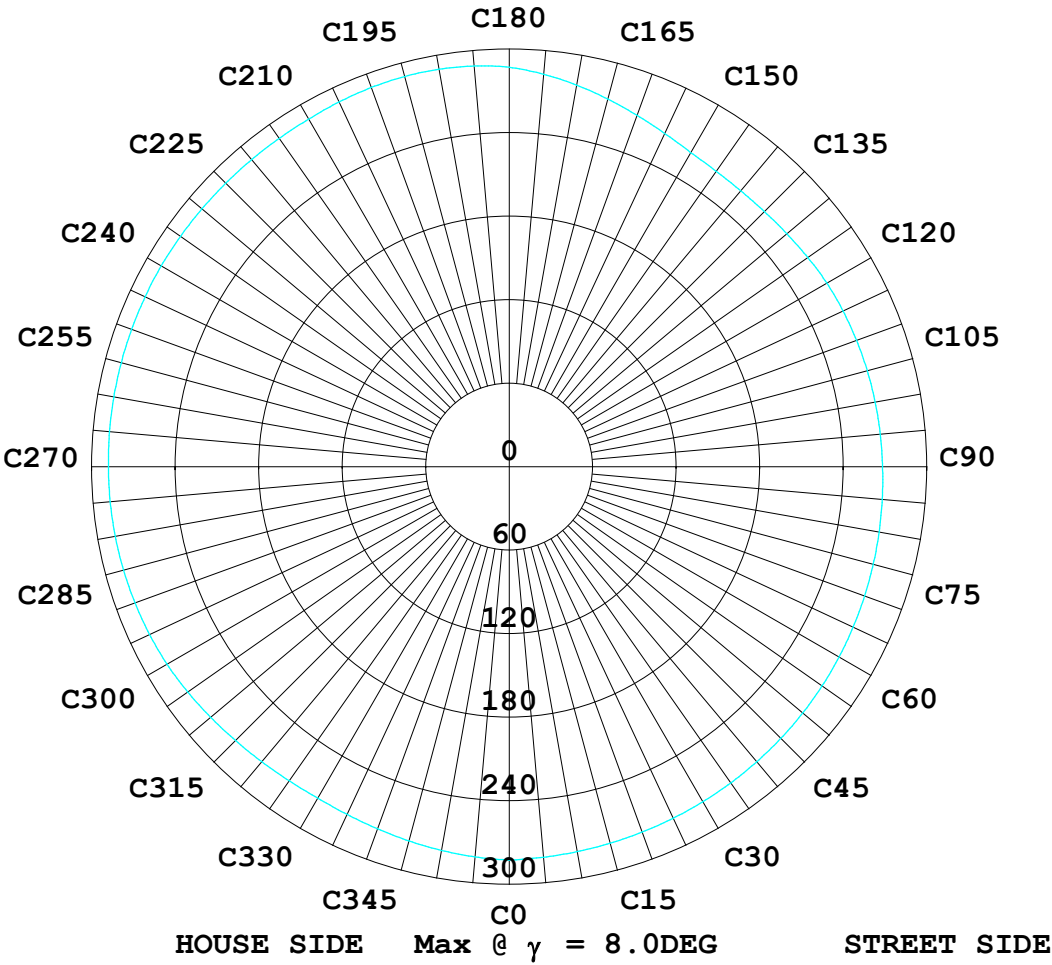
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