

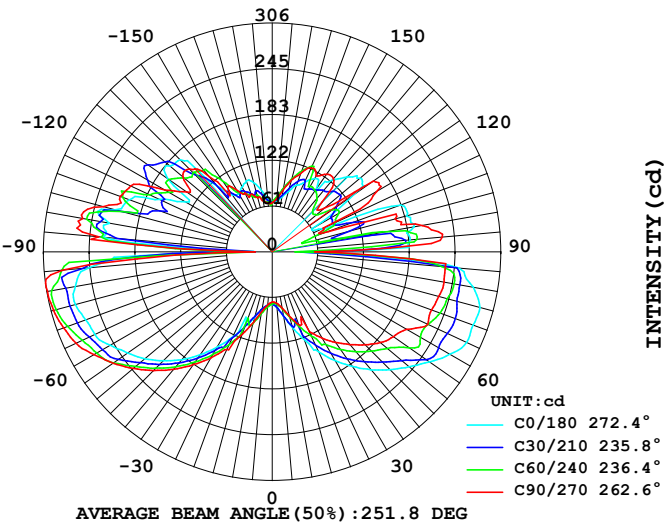
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

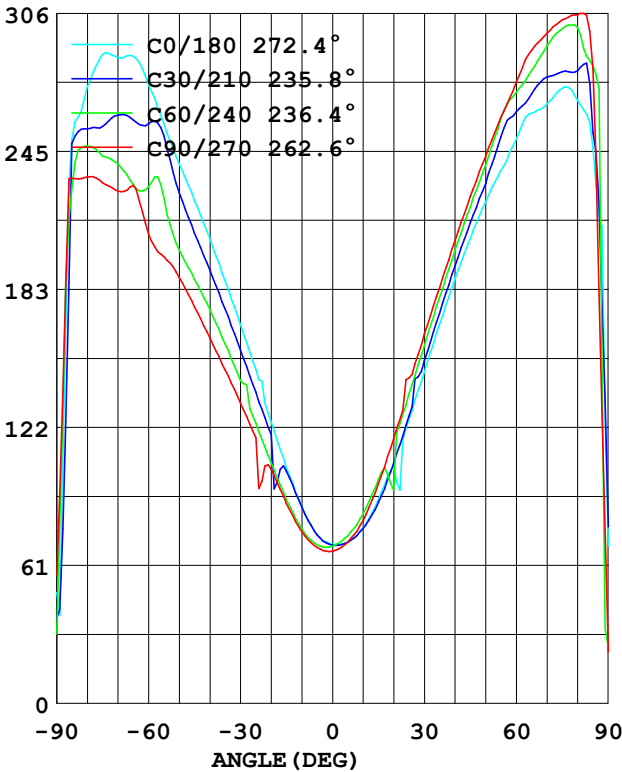
MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21327-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	307.6	S/MH (C0/180)	3.30
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.02
NOMINAL POWER(W)	108	TOTAL FLUX(lm)	2208.6	Voltage(V)	121.5
RATED VOLTAGE (V)	122	EFFICIENCY (lm/W)	20.4	Current(A)	0.890
NOMINAL FLUX(lm)	2208.6	η up (%)	39.1	Power(W)	108.1
LAMPS QUANTITY	1	η down (%)	60.9	Power Factor (PF)	1.000
TEST VOLTAGE (V)	121.5	Effective Flux(lm)	2208.1	EEl	0.667

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



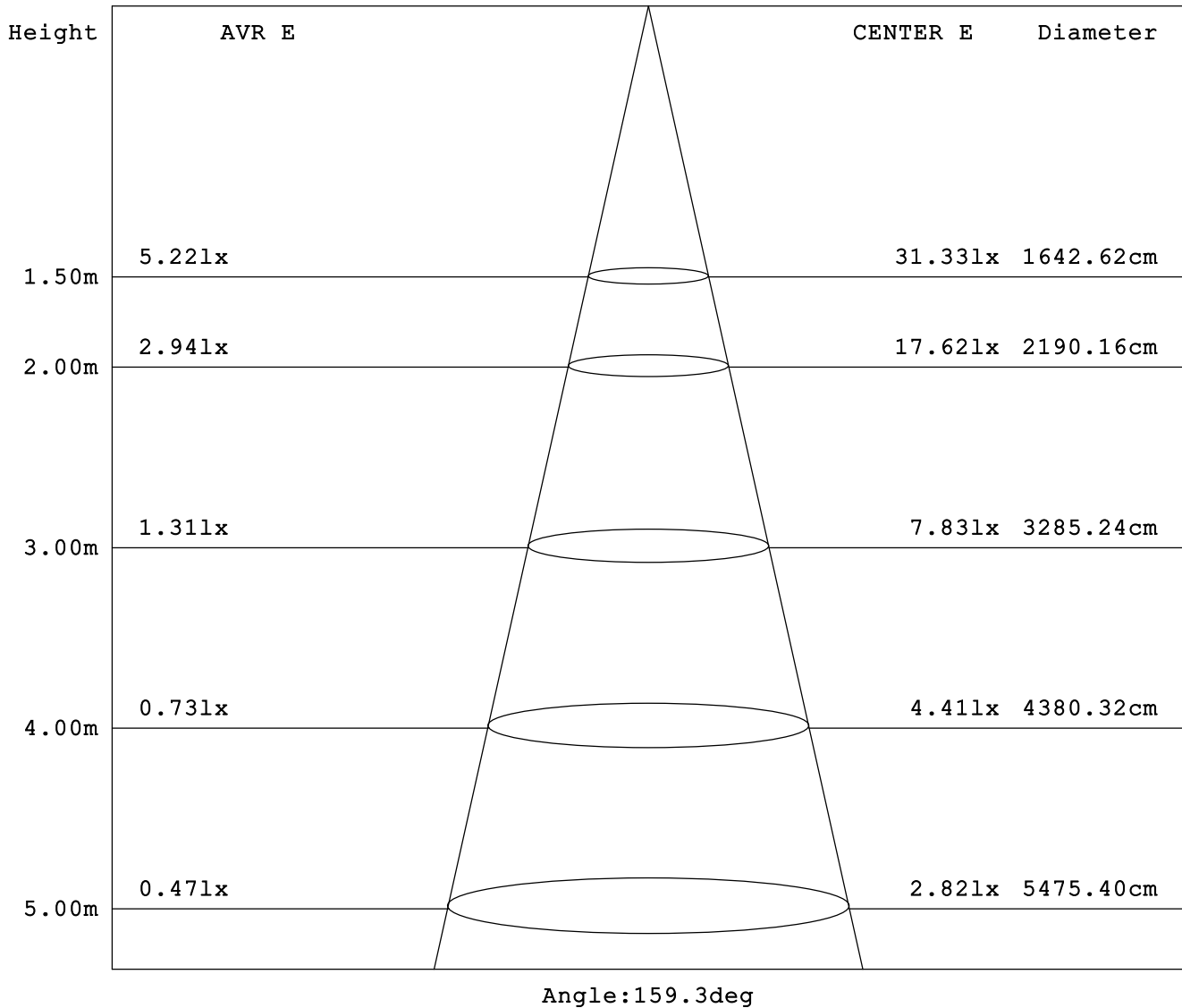
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2026年05月15日

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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Temperature:25.3DEG  
Operators:  
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Remarks:

ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: E21327-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	74.71	72.47	69.14	68.14	71.57	72.82	71.41	72.30	0- 5	1.677	1.677
10.0	87.35	82.33	76.27	74.33	77.79	80.79	81.08	84.19	5- 10	5.433	7.111
15.0	104.4	96.56	88.54	85.73	90.59	94.21	97.45	101.3	10- 15	10.40	17.51
20.0	124.6	112.7	103.7	101.1	104.5	100.3	117.0	121.4	15- 20	16.76	34.28
25.0	147.9	131.0	117.7	117.9	125.8	132.2	144.1	145.4	20- 25	25.28	59.56
30.0	167.5	149.5	132.8	134.5	146.7	155.0	163.5	166.5	25- 30	36.08	95.64
35.0	187.1	166.9	147.7	151.6	168.0	176.4	184.1	187.4	30- 35	47.68	143.3
40.0	205.9	183.3	161.9	166.6	188.1	197.3	204.9	207.9	35- 40	60.17	203.5
45.0	222.7	197.9	175.6	180.2	205.9	216.4	224.6	226.6	40- 45	73.25	276.7
50.0	239.1	213.6	188.8	192.7	222.3	234.4	242.3	244.1	45- 50	86.54	363.3
55.0	256.7	237.5	197.8	203.4	236.1	255.0	259.5	260.6	50- 55	100.1	463.4
60.0	273.9	242.8	207.7	209.5	249.7	266.2	275.1	274.9	55- 60	113.1	576.6
65.0	286.5	244.2	229.4	216.2	261.4	275.0	289.2	287.3	60- 65	123.8	700.4
70.0	286.1	249.8	226.8	219.3	265.5	284.3	296.7	296.9	65- 70	132.7	833.2
75.0	287.5	248.9	230.5	222.3	272.4	289.3	302.7	302.4	70- 75	139.4	972.6
80.0	273.0	250.7	233.2	224.8	267.1	289.7	305.1	304.2	75- 80	143.8	1116
85.0	249.9	237.9	232.6	195.0	246.1	267.6	280.9	262.7	80- 85	142.2	1259
90.0	49.10	34.25	56.88	30.03	69.68	51.45	22.90	46.51	85- 90	85.37	1344
95.0	185.1	186.5	228.0	193.8	227.7	218.9	232.8	180.8	90- 95	71.88	1416
100.0	192.6	135.9	203.9	187.9	221.2	242.6	257.1	233.7	95-100	114.6	1531
105.0	186.1	80.84	170.3	104.6	218.0	209.6	234.0	167.4	100-105	98.99	1630
110.0	183.2	87.57	79.89	100.7	203.5	186.2	216.5	151.9	105-110	78.92	1709
115.0	73.57	91.73	75.19	125.5	166.0	171.5	208.5	127.7	110-115	69.92	1778
120.0	61.58	96.64	161.4	138.9	134.0	175.9	165.8	151.8	115-120	65.48	1844
125.0	132.7	101.5	165.4	140.6	170.4	185.7	139.7	153.4	120-125	65.94	1910
130.0	153.6	97.75	90.54	112.0	178.9	170.0	156.1	145.8	125-130	61.79	1972
135.0	142.0	95.59	94.59	82.60	174.4	147.8	157.0	143.4	130-135	52.35	2024
140.0	125.9	100.4	127.7	84.51	116.0	130.9	131.4	117.2	135-140	44.60	2069
145.0	103.2	100.4	126.7	87.19	93.24	106.5	103.1	105.5	140-145	35.51	2104
150.0	113.2	98.99	117.8	87.89	89.78	88.65	96.26	86.89	145-150	29.13	2133
155.0	102.8	115.5	123.6	102.8	96.10	87.81	86.86	77.52	150-155	24.23	2158
160.0	95.02	107.4	111.2	102.2	101.4	81.14	82.27	67.90	155-160	20.06	2178
165.0	83.24	94.32	98.75	94.29	95.88	82.08	74.55	70.39	160-165	14.67	2192
170.0	74.33	81.49	83.35	80.41	83.24	73.95	69.52	62.88	165-170	9.659	2202
175.0	68.55	72.30	71.68	68.20	72.44	67.93	65.36	59.34	170-175	5.134	2207
180.0	67.63	66.98	66.01	61.88	68.01	65.77	65.90	61.72	175-180	1.587	2209
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2026年05月15日

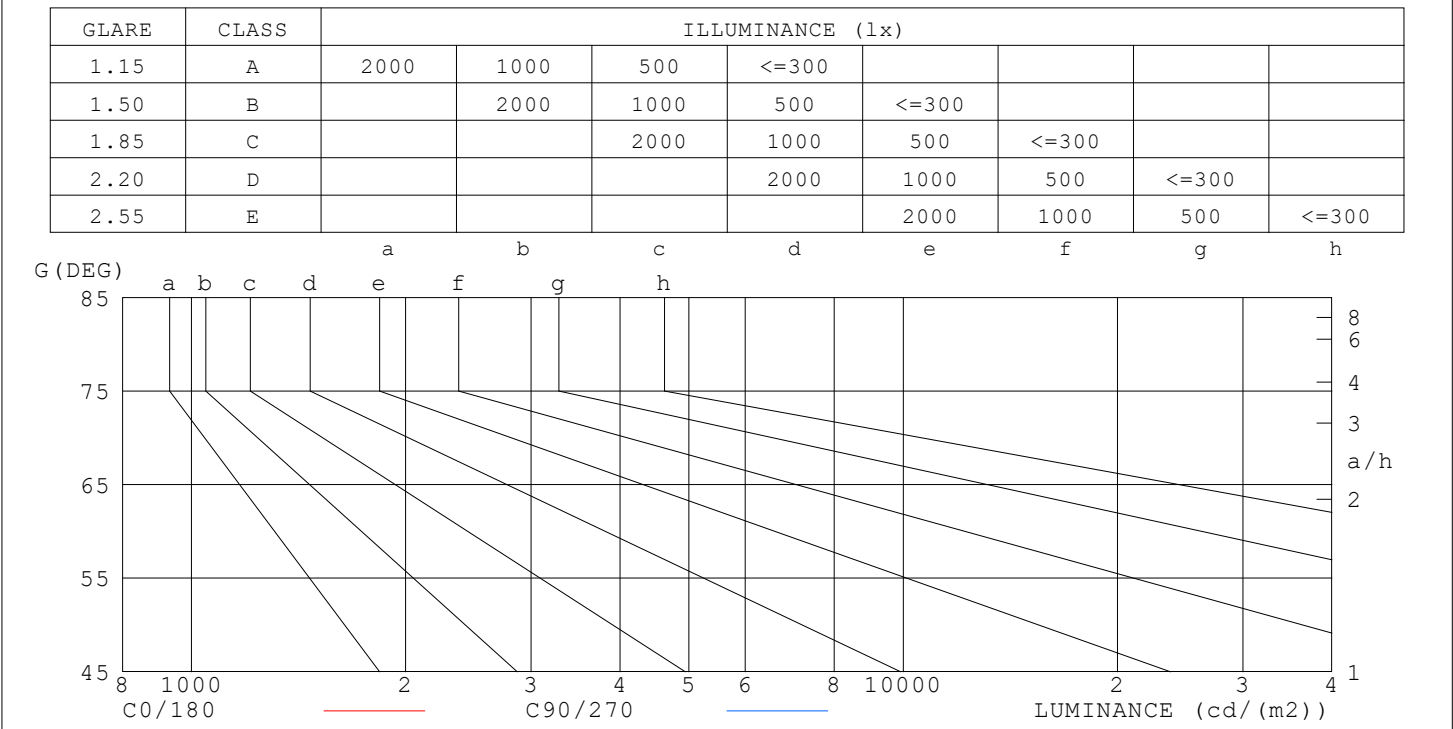
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.350 m  
Remarks:

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21327-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	28673737	26690255
80	15726264	13430324
75	11108447	8908465
70	8365097	6633951
65	6781282	5430139
60	5478962	4155411
55	4475688	3450010
50	3720632	2937341
45	3149945	2483743

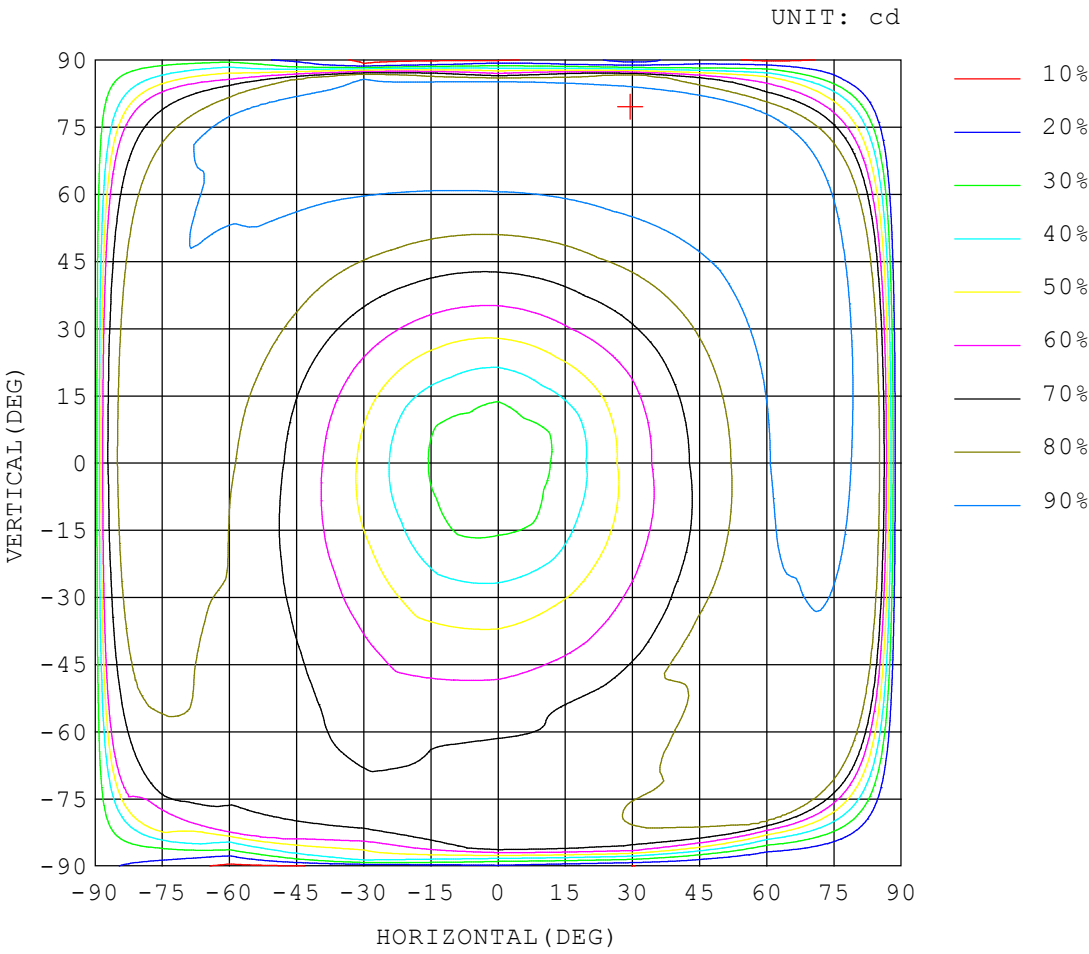
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: 安喀塞斯			
Address:			
NAME: E21327-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



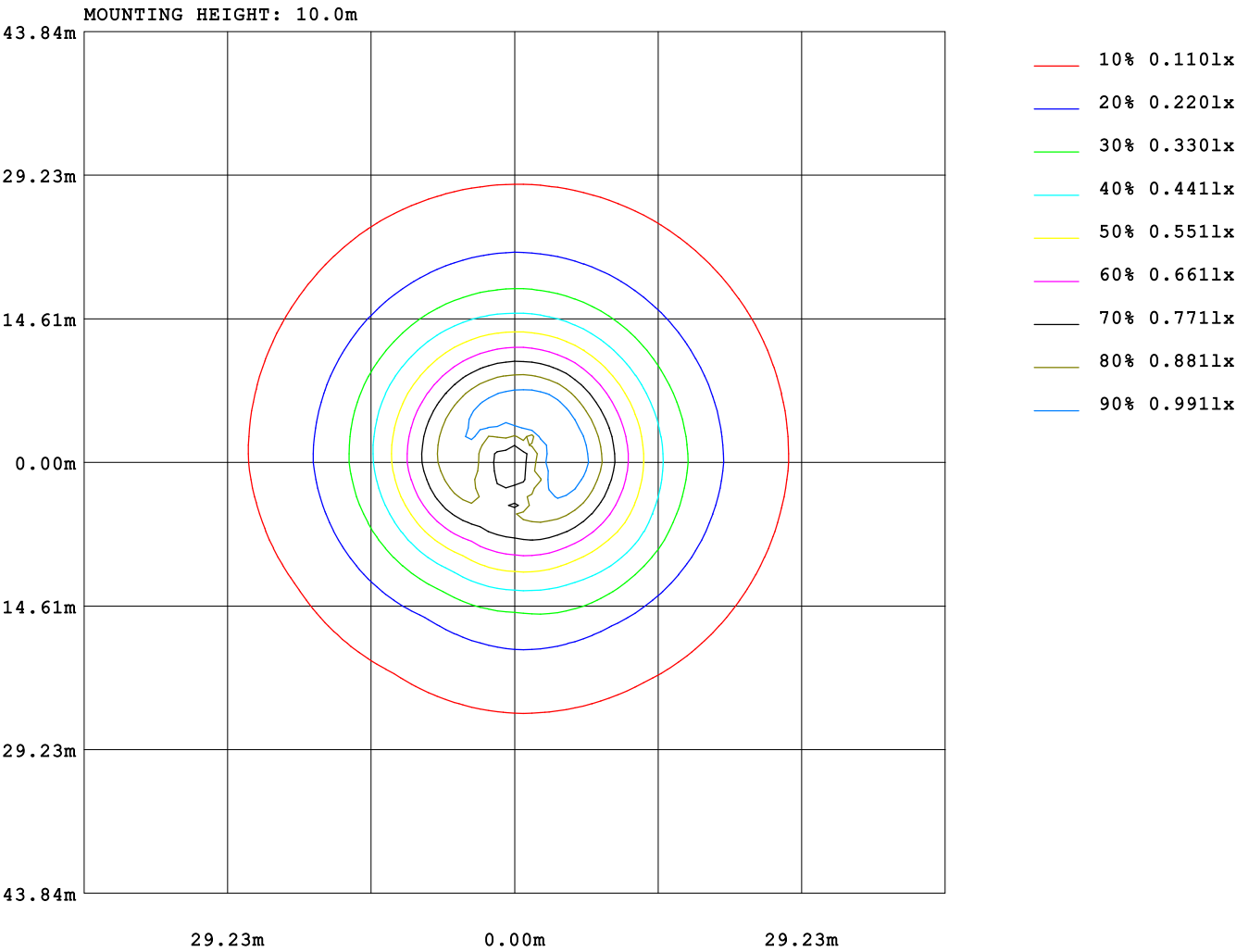
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2026年05月15日

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: E21327-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2026年05月15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: E21327-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	40.2	41.5	41.0	42.3	43.3	39.0	40.3	39.8	41.1	42.1	
	43.8	44.9	44.5	45.7	46.7	42.5	43.7	43.3	44.5	45.5	
	45.7	46.8	46.5	47.6	48.6	44.4	45.5	45.2	46.4	47.4	
	47.7	48.7	48.5	49.6	50.6	46.6	47.6	47.4	48.4	49.5	
	48.7	49.7	49.6	50.6	51.7	47.7	48.7	48.5	49.6	50.6	
	50.0	50.9	50.8	51.8	52.9	49.1	50.0	49.9	50.9	52.0	
4H	2H	41.1	42.2	41.9	43.0	44.1	40.3	41.4	41.1	42.3	43.3
	3H	44.8	45.7	45.6	46.6	47.6	43.8	44.8	44.7	45.6	46.7
	4H	46.8	47.7	47.6	48.5	49.6	45.8	46.7	46.7	47.6	48.7
	6H	49.0	49.8	49.9	50.7	51.8	48.1	48.9	48.9	49.8	50.9
	8H	50.1	50.9	51.0	51.8	52.9	49.3	50.0	50.2	50.9	52.1
	12H	51.5	52.2	52.4	53.1	54.3	50.7	51.4	51.6	52.3	53.5
8H	4H	47.4	48.1	48.3	49.0	50.2	46.7	47.4	47.6	48.3	49.5
	6H	49.9	50.5	50.8	51.4	52.6	49.2	49.8	50.1	50.7	51.9
	8H	51.2	51.8	52.1	52.7	53.9	50.6	51.1	51.5	52.1	53.3
	12H	52.8	53.3	53.8	54.3	55.5	52.2	52.7	53.1	53.7	54.9
	12H	4H	47.6	48.2	48.5	49.2	50.3	46.9	47.6	47.8	48.5
	6H	50.1	50.7	51.1	51.6	52.8	49.5	50.1	50.5	51.0	52.2
	8H	51.6	52.1	52.5	53.1	54.3	51.1	51.6	52.0	52.5	53.7
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 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 2209 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.8)

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## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: 安喀塞斯										
Address:										
NAME: E21327-BK					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) $k(RI) \times RCR = 5$									
$k = 0.60$	36	23	15	34	22	15	31	20	14	6
0.80	45	30	22	42	29	21	38	26	19	10
1.00	52	37	28	49	35	27	43	34	24	13
1.25	59	44	34	55	42	33	49	38	30	17
1.50	64	50	40	60	47	38	53	42	34	20
2.00	72	59	49	68	56	47	59	49	42	25
2.50	78	65	56	73	62	53	63	54	47	29
3.00	82	71	62	77	66	58	67	58	52	32
4.00	88	78	70	82	73	66	71	64	58	37
5.00	91	83	75	85	77	71	74	68	63	40
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

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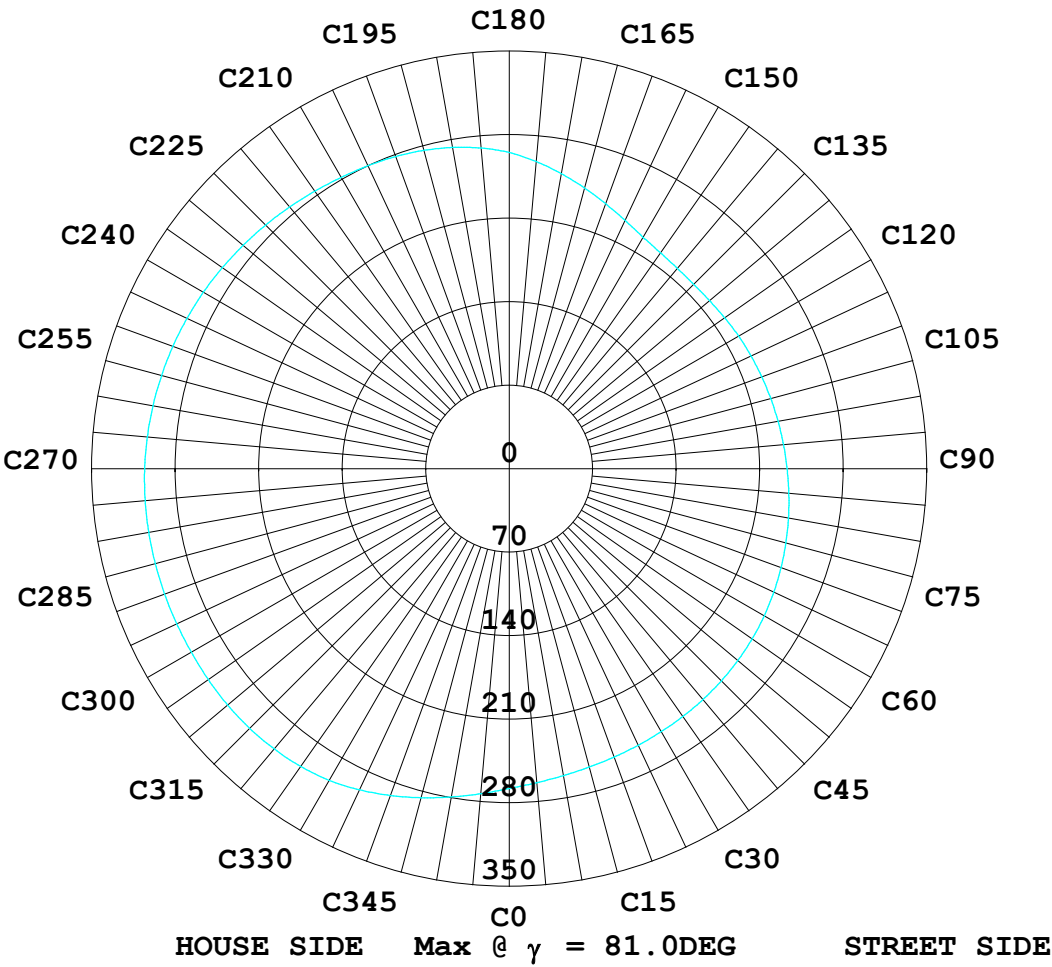
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