

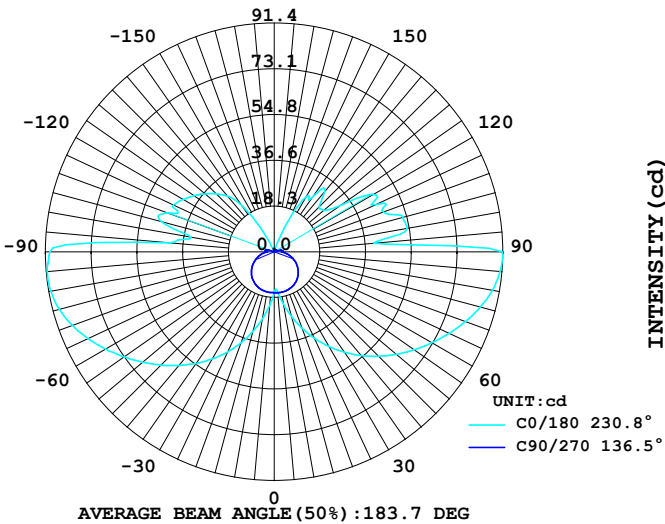
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

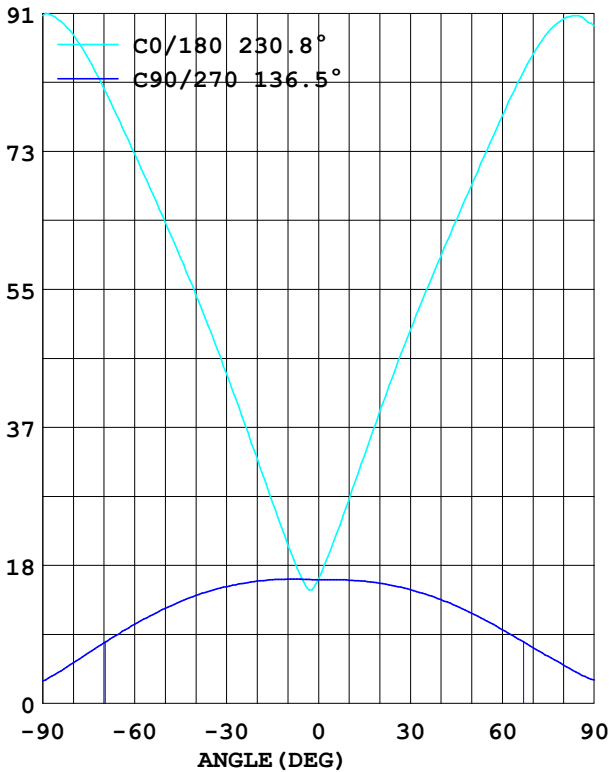
MANUFACTURER: 美新ET2			
Address:			
NAME: E23210-90BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	91.40	S/MH (C0/180)	3.54
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.41
NOMINAL POWER (W)	10	TOTAL FLUX (lm)	457.78	Voltage (V)	121.6
RATED VOLTAGE (V)	122	EFFICIENCY (lm/W)	47.2	Current (A)	0.128
NOMINAL FLUX (lm)	457.8	η up (%)	39.9	Power (W)	9.700
LAMPS QUANTITY	1	η down (%)	60.1	Power Factor (PF)	0.621
TEST VOLTAGE (V)	121.7	Effective Flux (lm)	450.0	EEl	0.238

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



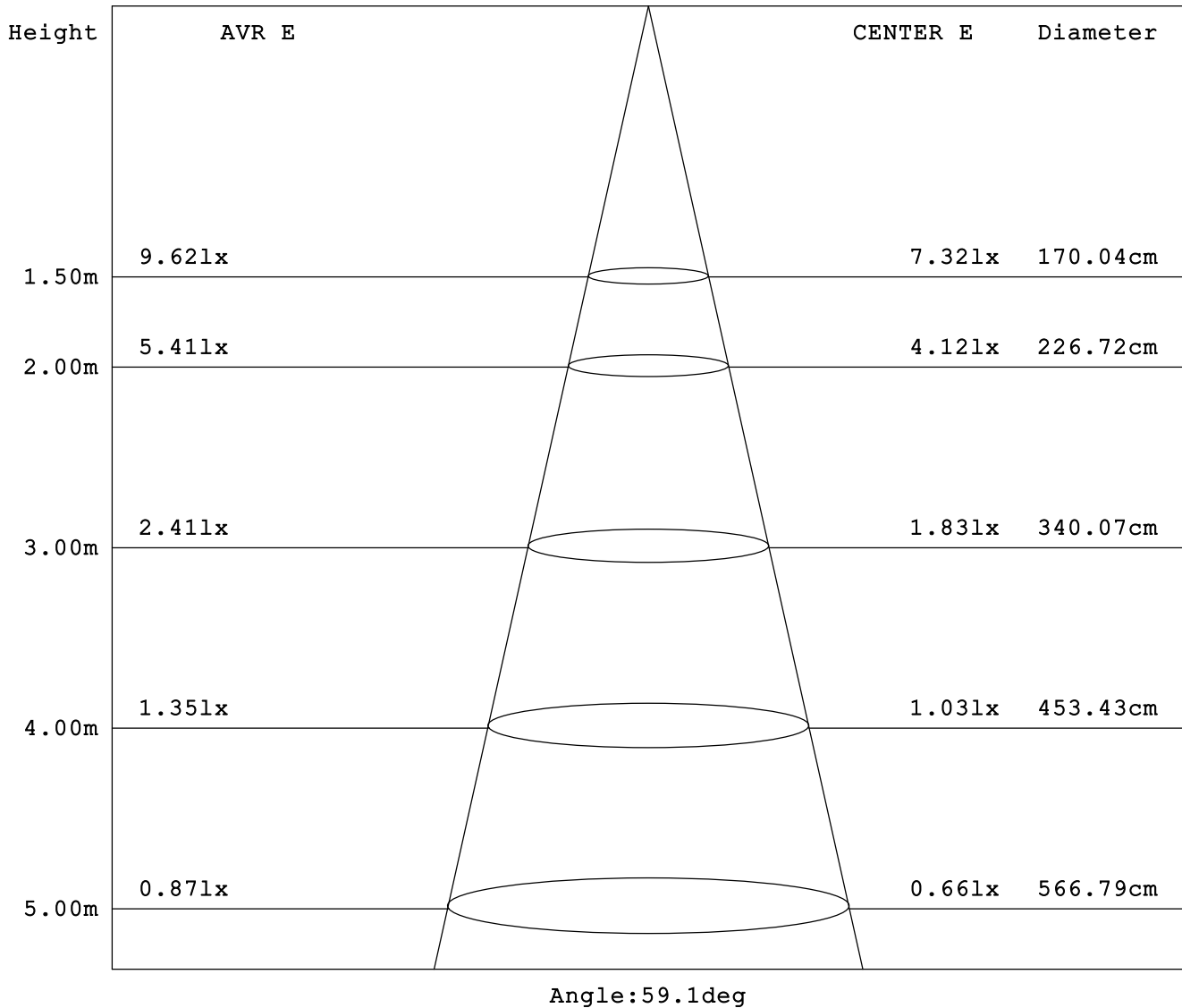
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年07月17日

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: 美新ET2			
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ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: E23210-90BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	16.26	15.88	16.42	21.33	21.50	18.58	16.36	14.85	0- 5	0.408	0.408
10.0	21.01	19.23	16.47	25.28	27.01	22.31	16.31	16.47	5- 10	1.371	1.779
15.0	26.68	23.01	16.36	29.22	32.84	26.03	16.20	19.88	10- 15	2.638	4.418
20.0	32.46	26.68	16.20	32.84	38.68	29.92	15.93	23.71	15- 20	4.201	8.619
25.0	38.03	30.46	15.88	36.41	44.08	33.65	15.55	27.55	20- 25	6.019	14.63
30.0	43.65	34.08	15.45	39.70	49.43	37.00	15.07	31.17	25- 30	8.039	22.67
35.0	49.10	37.32	14.96	42.56	54.56	40.19	14.47	34.79	30- 35	10.20	32.88
40.0	54.07	40.46	14.31	45.21	59.26	42.94	13.77	37.97	35- 40	12.44	45.32
45.0	59.04	43.32	13.50	47.59	64.01	45.54	12.91	41.05	40- 45	14.71	60.04
50.0	63.80	45.86	12.58	49.59	68.71	47.86	11.93	43.86	45- 50	16.96	77.00
55.0	68.23	48.18	11.61	51.42	73.20	49.80	10.91	46.29	50- 55	19.14	96.14
60.0	72.76	50.24	10.48	53.05	77.79	51.64	9.778	48.56	55- 60	21.22	117.3
65.0	77.25	52.07	9.237	54.29	82.16	53.15	8.589	50.61	60- 65	23.15	140.5
70.0	81.41	53.69	8.049	55.21	85.89	54.40	7.401	52.40	65- 70	24.88	165.4
75.0	85.35	55.04	6.698	55.69	88.92	55.26	6.266	53.96	70- 75	26.34	191.7
80.0	88.59	55.96	5.348	55.64	90.64	55.64	5.078	55.26	75- 80	27.42	219.1
85.0	90.59	56.50	4.105	54.94	91.08	55.42	3.943	56.12	80- 85	28.04	247.2
90.0	91.08	56.39	2.971	54.13	89.73	54.45	3.133	56.50	85- 90	28.11	275.3
95.0	40.03	56.12	3.241	53.48	41.70	54.02	3.619	56.07	90- 95	24.95	300.2
100.0	53.96	55.96	3.079	52.18	33.81	53.26	3.619	56.34	95-100	21.10	321.4
105.0	53.21	55.04	2.755	50.40	46.62	51.91	3.187	56.07	100-105	21.12	342.5
110.0	46.62	53.69	1.458	48.29	45.70	49.97	1.026	55.04	105-110	20.44	362.9
115.0	45.00	51.75	0.972	45.75	44.46	47.75	0.486	53.59	110-115	18.68	381.6
120.0	45.91	48.94	0.918	43.10	41.97	45.21	0.378	51.59	115-120	17.26	398.9
125.0	32.52	39.81	0.918	40.24	39.22	42.40	0.378	49.21	120-125	15.21	414.1
130.0	25.93	33.06	0.864	36.35	36.14	39.43	0.324	46.67	125-130	12.51	426.6
135.0	25.49	30.73	0.810	28.03	32.73	34.19	0.270	43.70	130-135	10.54	437.2
140.0	31.54	26.95	0.702	16.15	29.17	23.87	0.270	39.97	135-140	8.444	445.6
145.0	26.90	22.20	0.648	5.348	22.47	11.29	0.270	33.00	140-145	6.185	451.8
150.0	25.22	8.049	0.594	3.025	11.39	3.997	0.270	20.20	145-150	3.593	455.4
155.0	15.18	2.917	0.486	1.836	1.404	2.593	0.324	6.914	150-155	1.618	457.0
160.0	3.727	1.512	0.432	0.864	0.216	1.620	0.270	1.944	155-160	0.527	457.5
165.0	0.378	1.080	0.216	0.270	0.216	0.702	0.270	0.972	160-165	0.135	457.7
170.0	0.324	0.540	0.216	0.216	0.216	0.270	0.270	0.432	165-170	0.048	457.7
175.0	0.324	0.270	0.216	0.162	0.216	0.216	0.216	0.216	170-175	0.019	457.7
180.0	0.270	0.216	0.216	0.216	0.270	0.216	0.216	0.216	175-180	0.005	457.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年07月17日

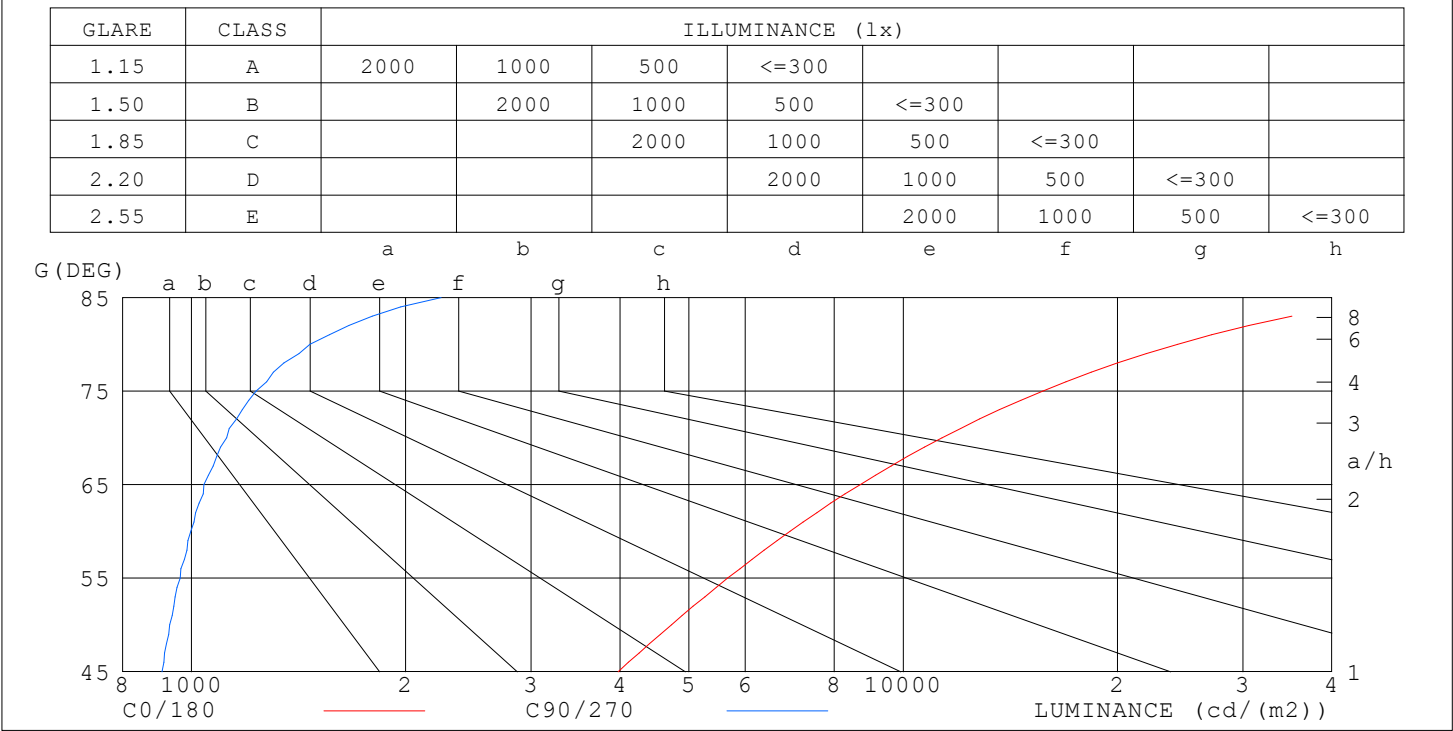
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.350 m
Remarks:

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: 美新ET2			
Address:			
NAME: E23210-90BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	49499	2243
80	24296	1467
75	15704	1232
70	11335	1121
65	8704	1041
60	6930	998
55	5665	964
50	4726	932
45	3976	910

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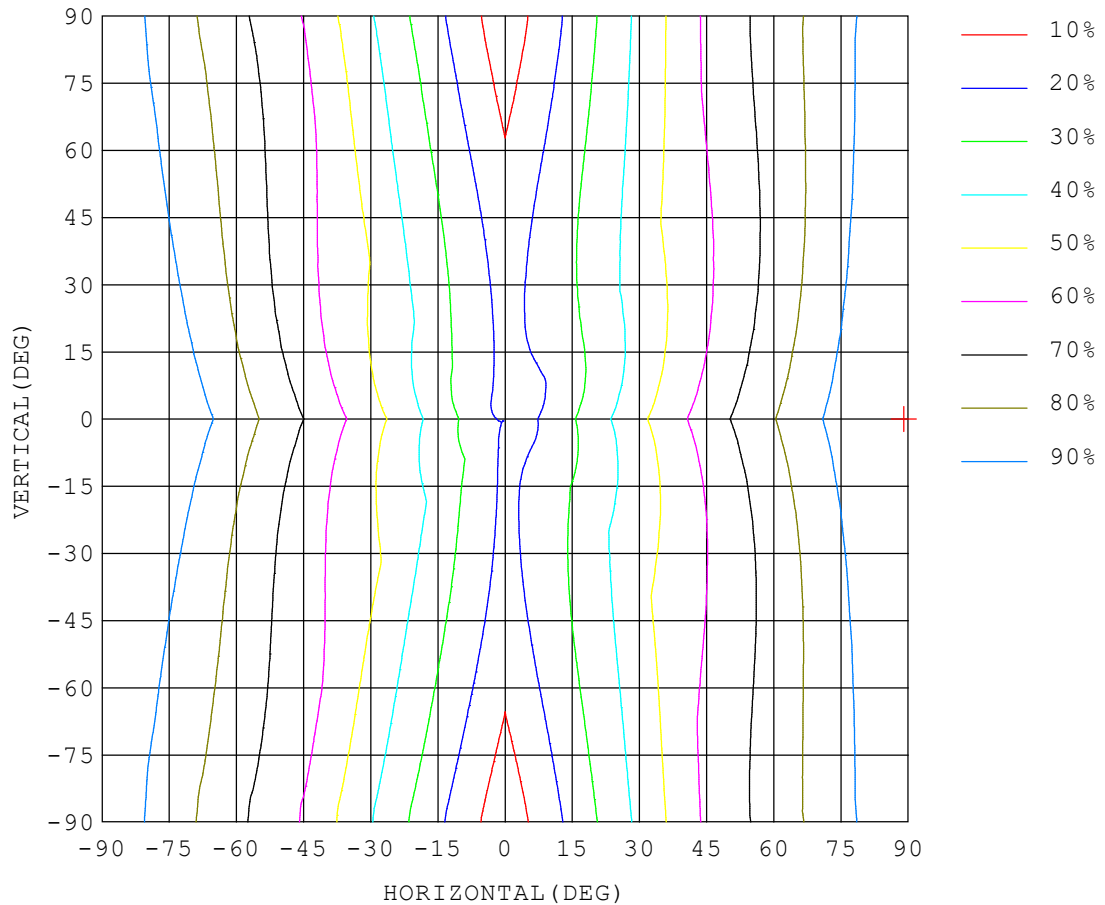
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ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: E23210-90BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:

UNIT: cd



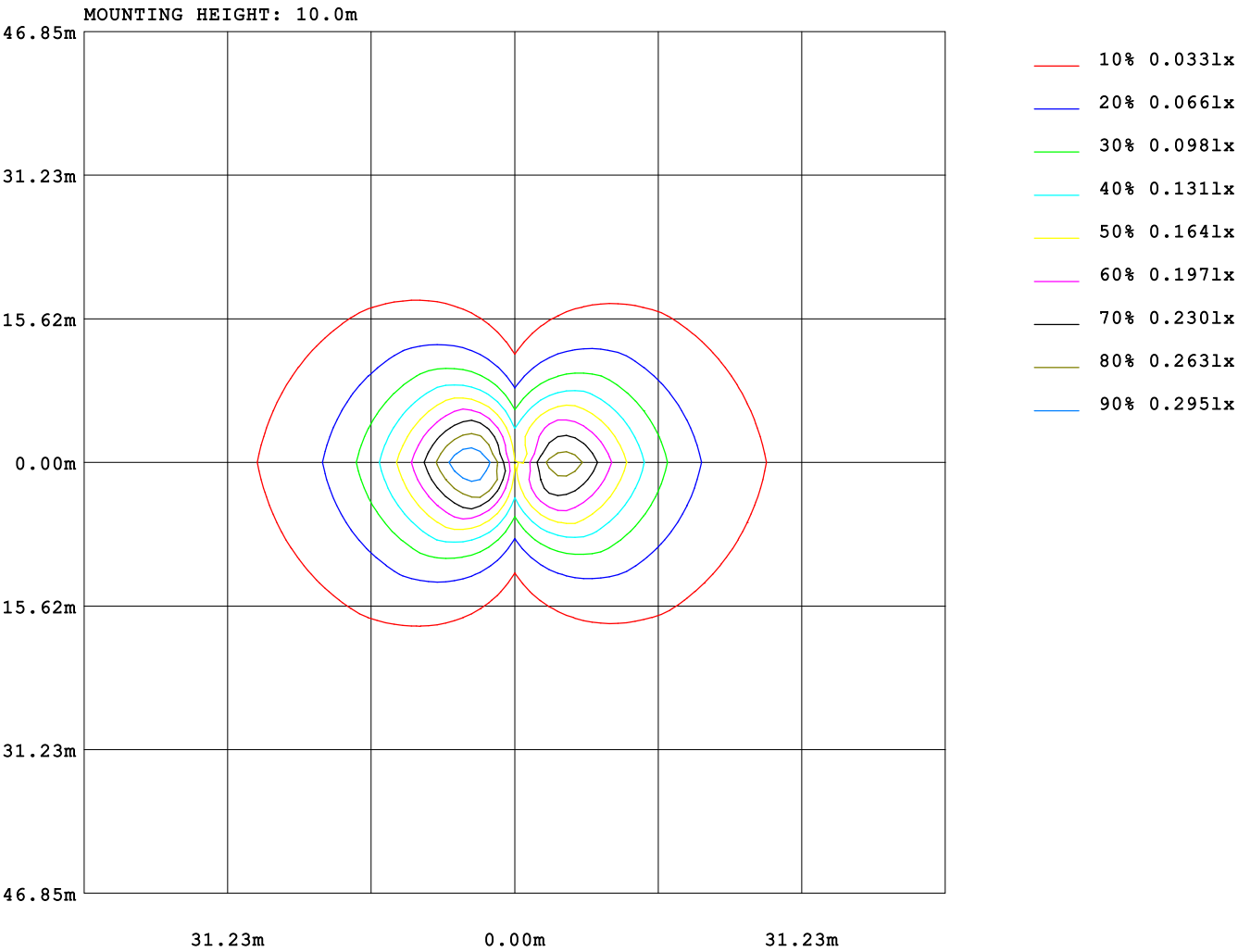
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年07月17日

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: 美新ET2			
Address:			
NAME: E23210-90BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年07月17日

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

UGR Table

Report number:

MANUFACTURER: 美新ET2											
Address:											
NAME: E23210-90BK					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	18.5	18.1	19.3	20.3	11.6	12.9	12.4	13.7	14.7	
3H	21.3	22.4	22.1	23.2	24.2	13.6	14.7	14.4	15.6	16.6	
4H	23.5	24.6	24.3	25.4	26.4	14.5	15.6	15.4	16.5	17.5	
6H	25.9	26.9	26.7	27.8	28.9	15.4	16.4	16.2	17.3	18.3	
8H	27.3	28.2	28.1	29.1	30.2	15.8	16.7	16.6	17.6	18.7	
12H	28.8	29.7	29.6	30.6	31.7	16.1	17.0	16.9	17.9	19.0	
4H	2H	17.9	19.0	18.7	19.8	20.9	14.6	15.7	15.4	16.5	17.6
	3H	22.0	23.0	22.9	23.8	24.9	16.9	17.9	17.8	18.7	19.8
	4H	24.4	25.3	25.3	26.2	27.3	18.1	19.0	19.0	19.9	21.0
	6H	27.0	27.8	27.9	28.7	29.9	19.2	19.9	20.0	20.8	22.0
	8H	28.5	29.2	29.4	30.2	31.3	19.6	20.4	20.5	21.3	22.4
	12H	30.2	30.8	31.1	31.8	32.9	20.0	20.7	20.9	21.6	22.8
8H	4H	24.8	25.5	25.7	26.4	27.6	20.5	21.2	21.4	22.1	23.3
	6H	27.7	28.3	28.6	29.3	30.4	22.1	22.7	23.0	23.6	24.8
	8H	29.4	29.9	30.3	30.9	32.1	22.8	23.4	23.7	24.3	25.5
	12H	31.3	31.8	32.2	32.7	33.9	23.5	24.0	24.4	25.0	26.2
	12H	4H	24.8	25.5	25.7	26.4	27.6	21.3	22.0	22.2	22.9
6H	27.8	28.4	28.8	29.3	30.5	23.2	23.8	24.1	24.7	25.9	
8H	29.6	30.1	30.5	31.1	32.3	24.2	24.7	25.1	25.6	26.9	
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	+ 0.3 / - 0.3					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 457.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.7)

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UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: 美新ET2			
Address:			
NAME: E23210-90BK		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	35	22	15	32	21	14	7
0.80	45	30	21	42	29	21	38	27	19	10
1.00	52	37	27	49	35	26	44	34	24	14
1.25	59	44	34	55	42	32	49	38	30	17
1.50	64	49	39	60	47	37	53	42	34	20
2.00	72	58	48	67	55	46	59	49	41	25
2.50	77	64	55	72	61	52	63	54	46	28
3.00	81	70	60	76	65	57	66	58	51	31
4.00	87	77	68	81	72	64	70	63	57	36
5.00	90	81	74	84	76	69	73	67	61	39
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

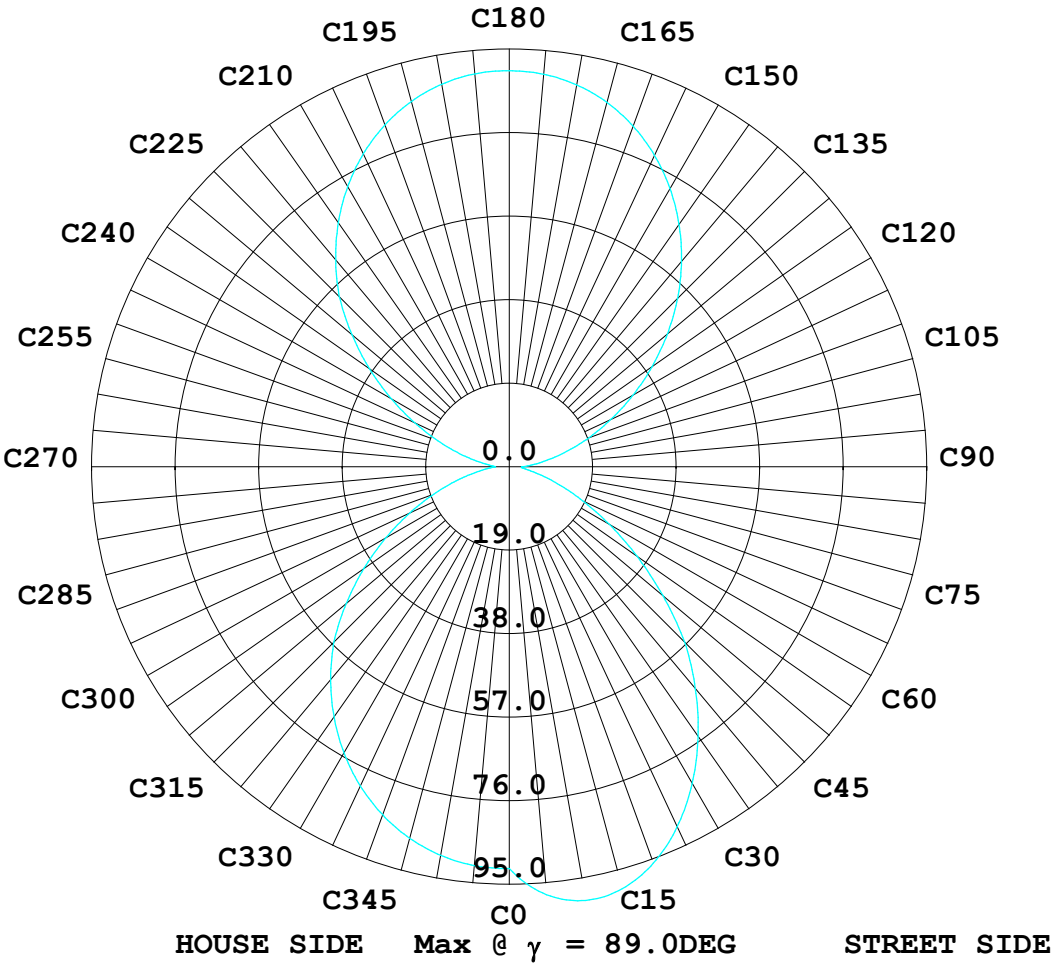
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