

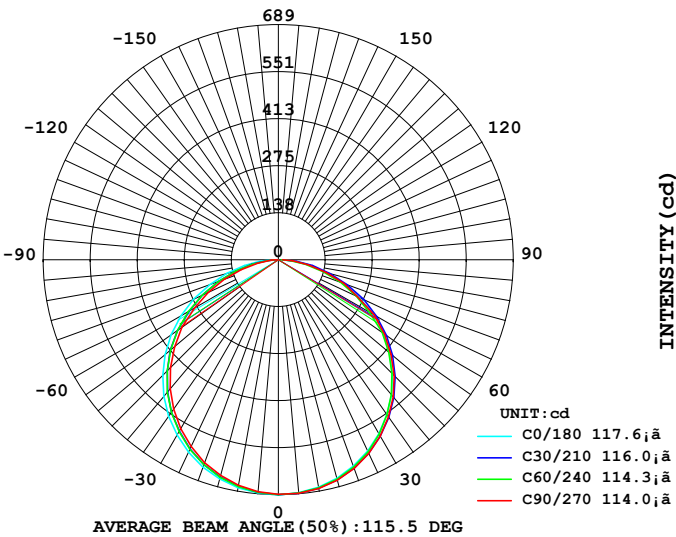
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

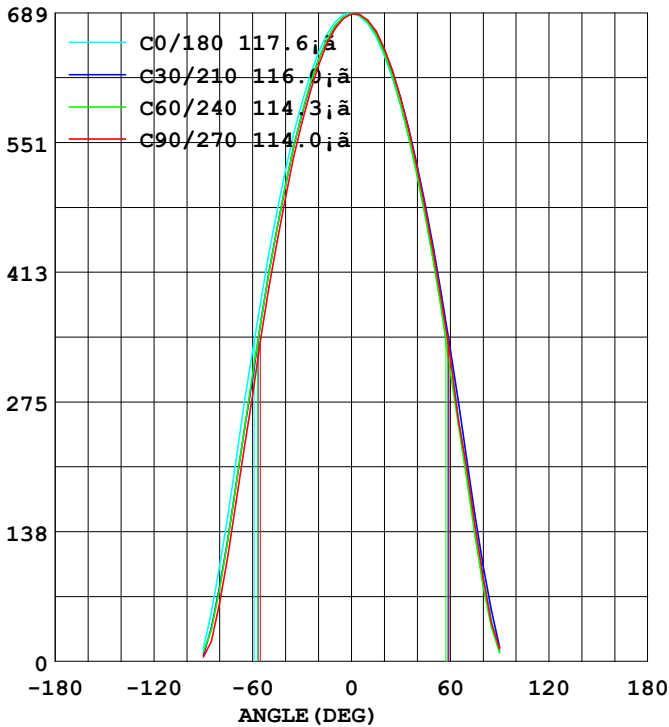
MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	688.5	S/MH (C0/180)	1.28
MODEL	ALINA 170	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
NOMINAL POWER (W)	18	TOTAL FLUX (lm)	2023.7	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	112.1	Current (A)	0.160
NOMINAL FLUX (lm)	2023.7	η up (%)	0.0	Power (W)	18.04
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.567
TEST VOLTAGE (V)	219.5	Effictive Flux (lm)	1986.5	EEI	0.124

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

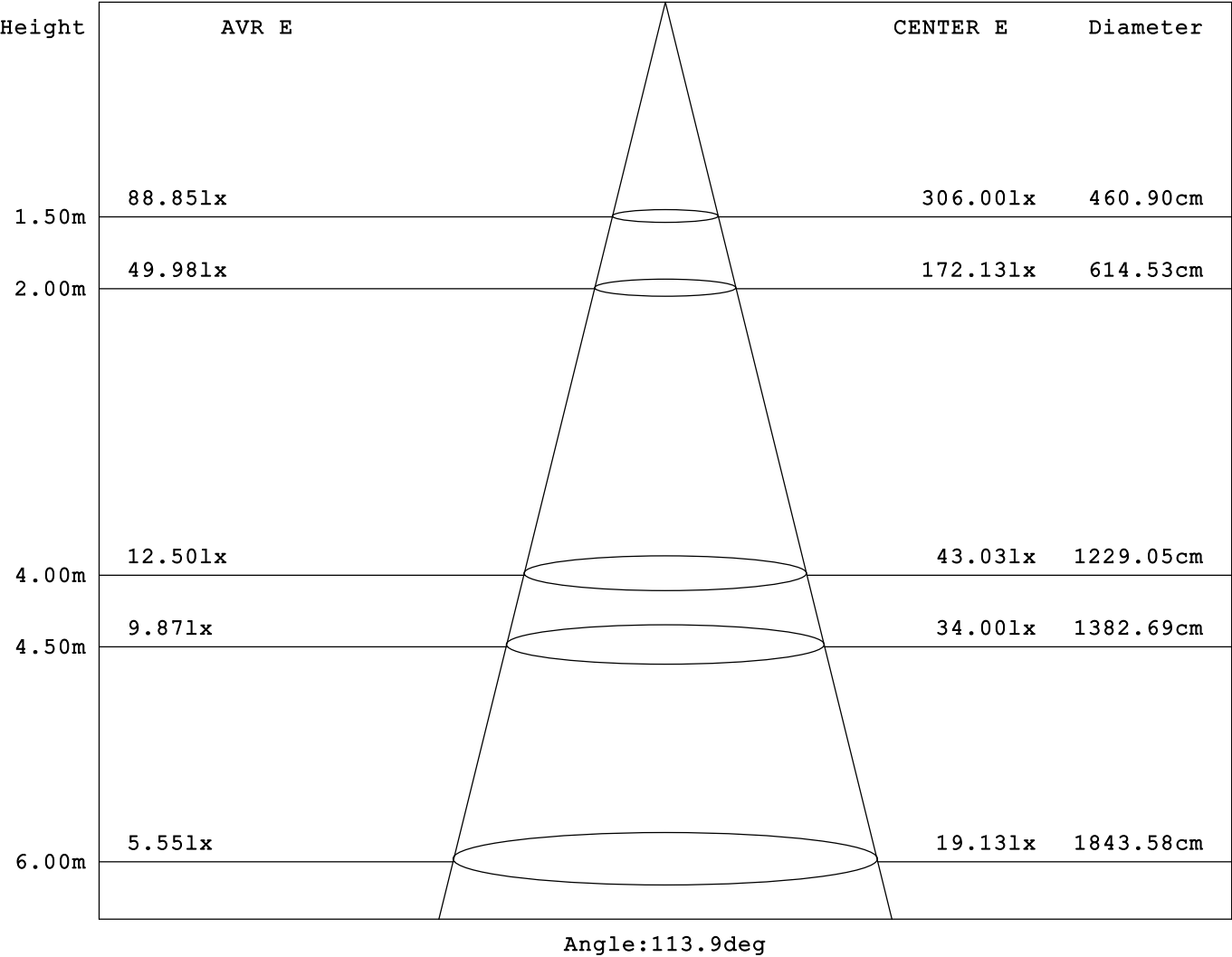
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	678.3	674.4	671.2	673.5	676.8	679.1	680.5	679.5	0- 10	65.12	65.12
20.0	646.7	638.6	632.6	637.5	643.5	647.8	650.8	648.6	10- 20	187.0	252.2
30.0	593.2	581.2	571.9	579.7	589.1	594.0	597.1	595.5	20- 30	284.9	537.1
40.0	521.8	505.5	492.7	504.0	516.0	521.2	523.9	522.8	30- 40	345.8	883.0
50.0	433.6	413.1	397.3	411.6	425.1	429.5	431.4	431.1	40- 50	361.9	1245
60.0	329.9	303.3	282.8	301.4	326.0	321.1	325.3	331.3	50- 60	330.5	1576
70.0	213.1	187.1	168.5	185.7	202.4	204.2	205.1	206.5	60- 70	252.5	1828
80.0	101.6	78.57	62.36	77.75	91.36	91.20	89.91	93.27	70- 80	147.7	1976
90.0	13.85	8.019	4.536	7.330	10.85	11.90	13.04	13.44	80- 90	47.93	2024
100.0									90-100		
110.0									100-110		
120.0									110-120		
130.0									120-130		
140.0									130-140		
150.0									140-150		
160.0									150-160		
170.0									160-170		
180.0									170-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

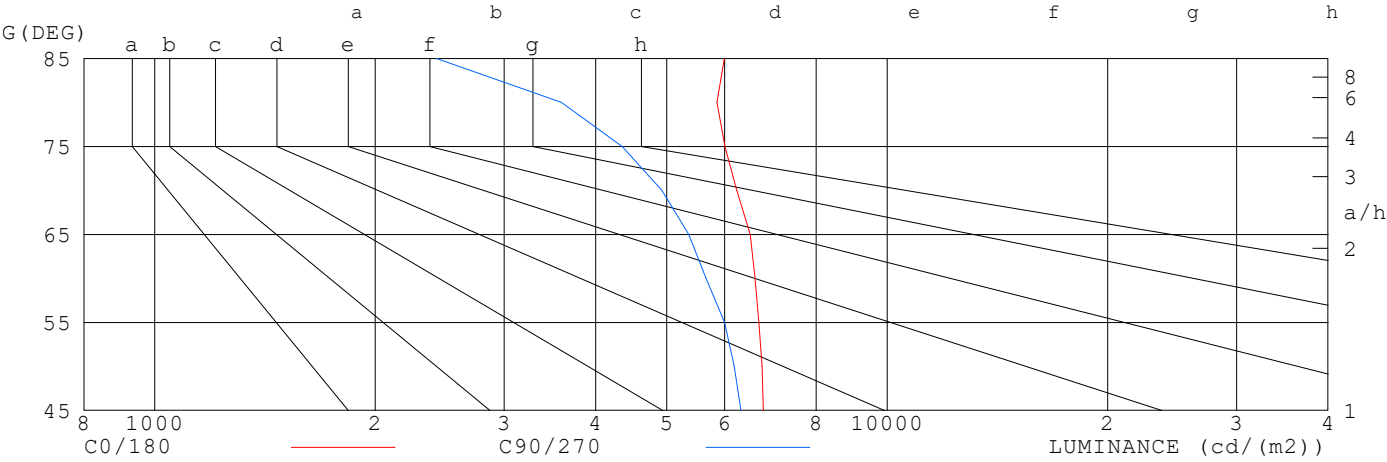
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	5994	2426
80	5854	3592
75	6009	4347
70	6233	4928
65	6503	5361
60	6600	5657
55	6684	6002
50	6747	6182
45	6776	6315

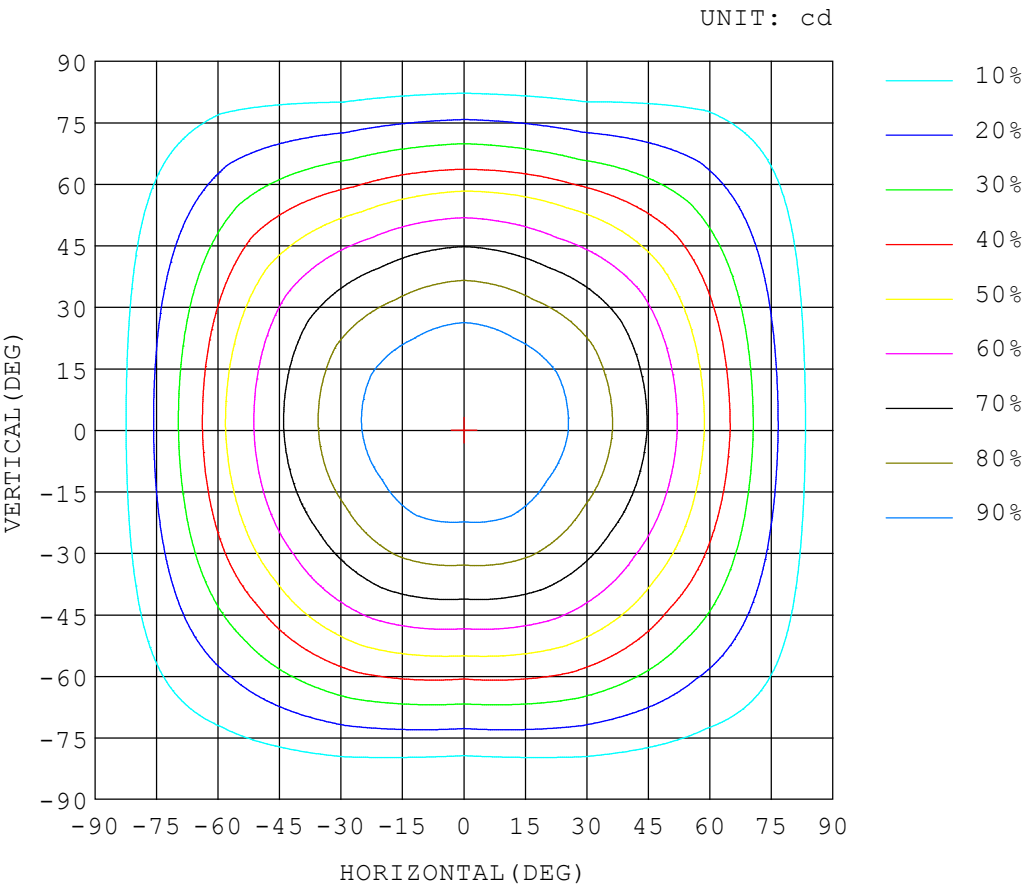
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



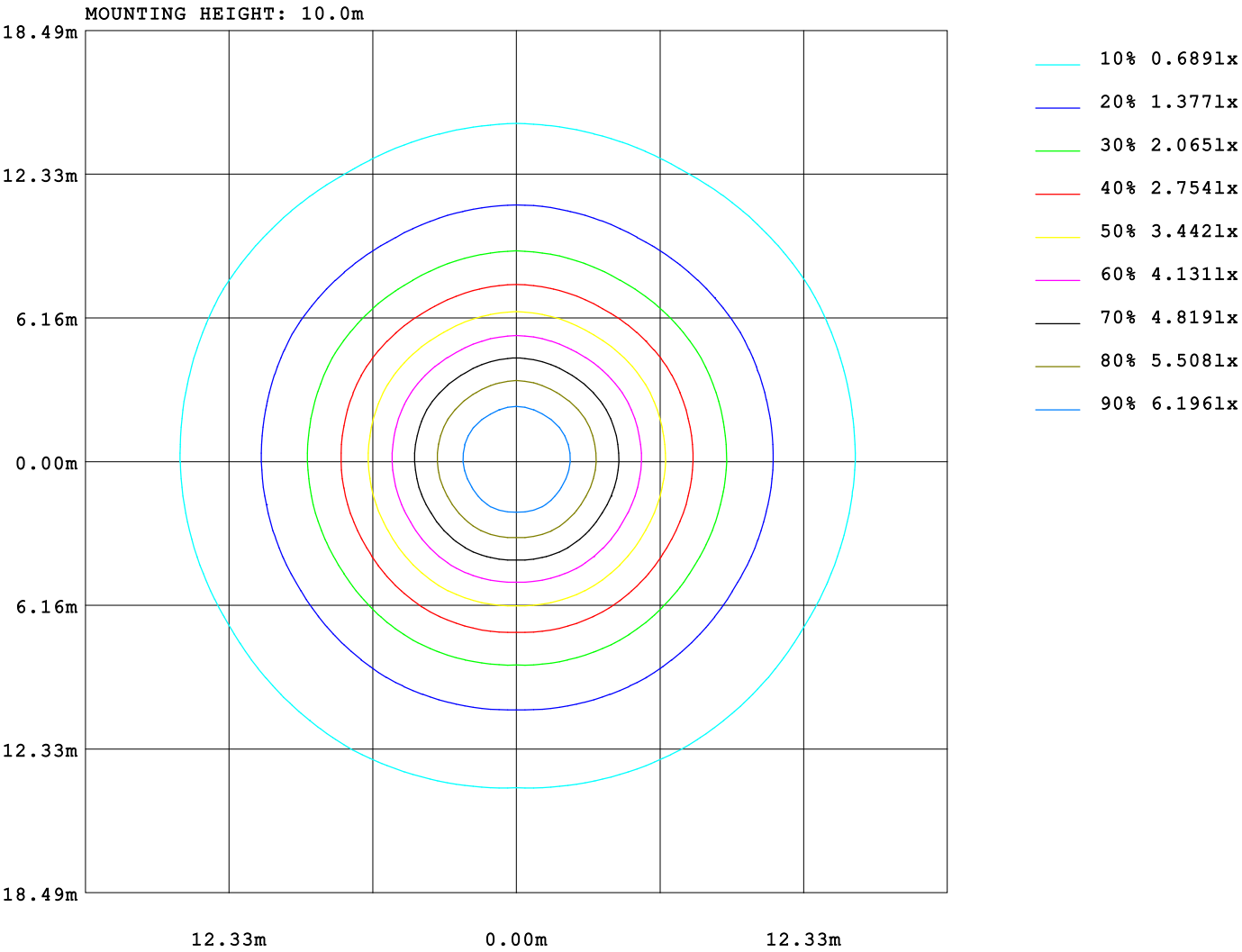
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:																				
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019																				
NAME: ALINA 170										TYPE: 5700K CRI-90					WEIGHT:					
SPECIFICATION: HC POWER 300 MA										DIMENSION: D-170 H-40 MM					SERIAL No.:					

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a								
	0.04	0.18	0.39	0.62	0.78	0.90	1.03	1.23	1.37	1.37	1.24	1.04	0.92	0.82	0.66	0.44	0.21	0.05	13.3	1.83										
90																														
80	0.06	0.33	0.84	1.49	2.13	2.73	3.34	3.97	4.36	4.37	3.98	3.36	2.76	2.17	1.54	0.90	0.37	0.07	38.8	36.6										
70	0.08	0.50	1.34	2.52	3.78	5.03	6.16	7.18	7.80	7.82	7.24	6.21	5.07	3.83	2.58	1.40	0.55	0.10	69.2	68.5										
60	0.10	0.67	1.86	3.58	5.49	7.34	9.01	10.4	11.3	11.4	10.6	9.25	7.52	5.56	3.64	1.92	0.72	0.12	101	100										
50	0.12	0.83	2.34	4.56	7.07	9.50	11.6	13.3	14.3	14.3	13.3	11.6	9.58	7.17	4.64	2.42	0.89	0.14	128	128										
40	0.14	0.97	2.75	5.37	8.38	11.2	13.7	15.6	16.8	16.8	15.7	13.8	11.3	8.44	5.46	2.85	1.03	0.16	151	151										
30	0.15	1.08	3.08	6.00	9.30	12.6	15.4	17.5	18.7	18.7	17.5	15.5	12.6	9.39	6.08	3.19	1.15	0.17	169	168										
	0.16	1.16	3.30	6.39	9.89	13.4	16.5	18.8	20.0	20.0	18.8	16.6	13.5	10.0	6.49	3.43	1.23	0.18	180	180										
	0.16	1.19	3.40	6.57	10.1	13.7	17.0	19.4	20.6	20.6	19.4	17.0	13.9	10.2	6.68	3.54	1.27	0.18	186	185										
	0.16	1.18	3.36	6.51	10.0	13.6	16.8	19.2	20.5	20.5	19.2	16.9	13.7	10.1	6.62	3.50	1.26	0.18	184	184										
	0.15	1.13	3.20	6.21	9.62	13.0	16.1	18.5	19.7	19.7	18.5	16.2	13.1	9.73	6.31	3.33	1.20	0.18	176	176										
-30	0.14	1.03	2.92	5.68	8.85	12.0	15.0	17.2	18.2	18.2	17.2	15.0	12.1	8.95	5.77	3.03	1.10	0.16	163	163										
-40	0.13	0.91	2.55	4.93	7.79	10.7	13.3	15.3	16.1	16.1	15.3	13.4	10.7	7.86	5.02	2.64	0.97	0.15	144	144										
-50	0.11	0.76	2.10	4.06	6.45	9.03	11.2	12.8	13.5	13.5	12.8	11.3	9.07	6.51	4.13	2.17	0.81	0.13	121	120										
-60	0.09	0.59	1.60	3.09	4.96	6.95	8.75	9.91	10.4	10.4	9.91	8.77	6.99	5.01	3.14	1.66	0.64	0.11	93.0	92.5										
-70	0.07	0.42	1.10	2.09	3.36	4.72	5.90	6.63	6.91	6.91	6.64	5.91	4.74	3.39	2.12	1.14	0.46	0.09	62.6	61.6										
-80	0.05	0.26	0.62	1.14	1.81	2.52	3.10	3.43	3.51	3.51	3.43	3.11	2.53	1.83	1.17	0.65	0.29	0.07	33.0	29.0										
-90	0.04	0.13	0.24	0.38	0.58	0.79	0.92	0.93	0.88	0.88	0.93	0.91	0.79	0.60	0.41	0.26	0.15	0.04	9.85	0.00										
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)														20	30	40	50	60	70	80	90
Φ t	1.97	13.3	37.0	71.2	111	150	185	212	226	226	212	186	151	112	72.5	38.5	14.3	2.26	2024											
Φ a	0.47	11.4	35.2	69.4	109	148	184	210	224	224	210	184	149	110	70.7	36.8	12.5	0.81				1987								

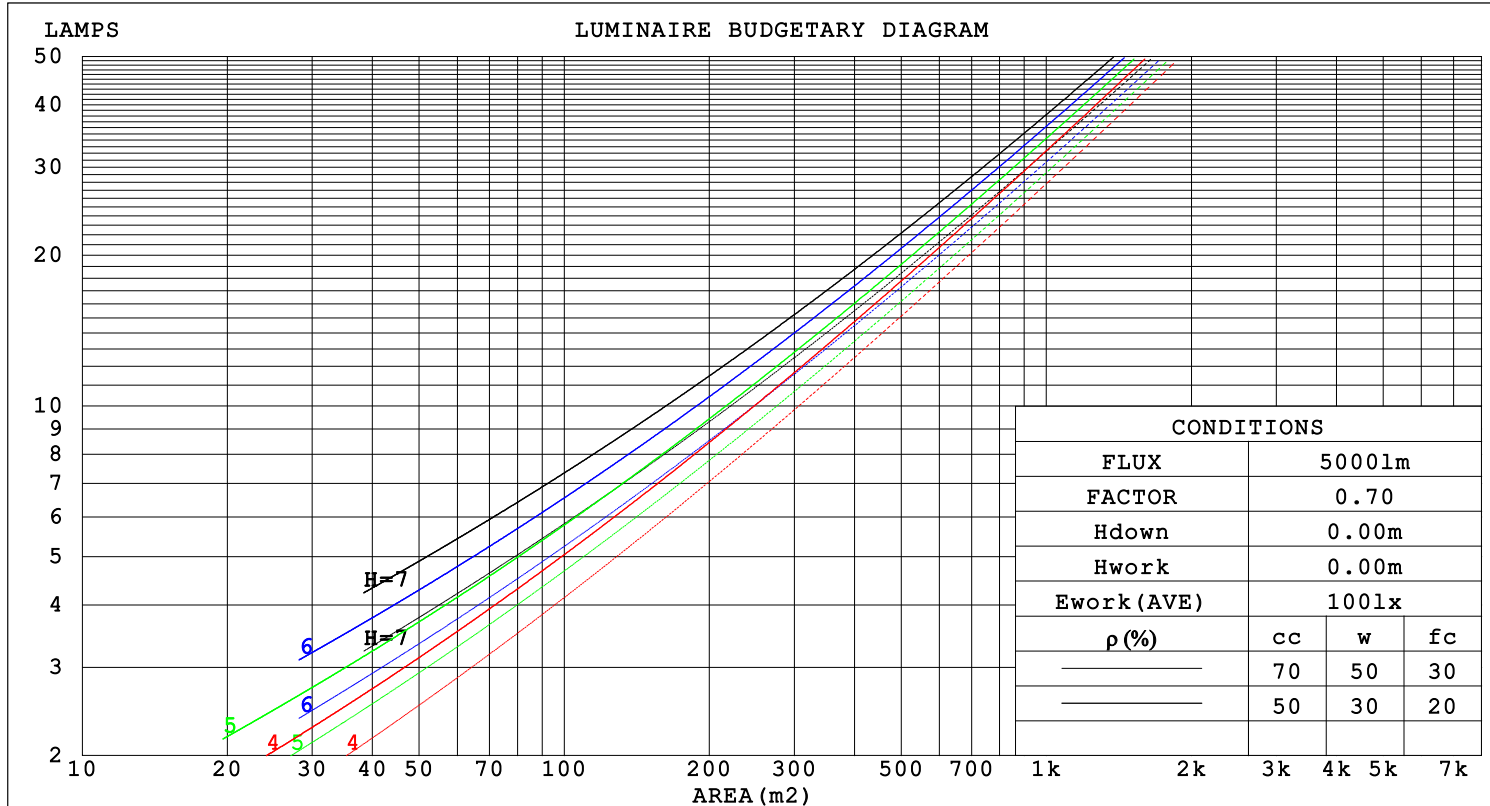
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{fc}	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00														
1.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83														
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69														
3.0	.79	.70	.64	.77	.69	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37														
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33														
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29														
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26														
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24														



Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER:														
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019														
NAME: ALINA 170							TYPE: 5700K CRI-90					WEIGHT:		
SPECIFICATION: HC POWER 300 MA							DIMENSION: D-170 H-40 MM					SERIAL No.:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.317	.180	.057	.310	.177	.056	.297	.170	.054	.285	.164	.053	.273	.158	.051	
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.268	.150	.047	.258	.146	.046	
3.0	.273	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033	
6.0	.215	.108	.031	.212	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.101	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019											
NAME: ALINA 170					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION: HC POWER 300 MA					DIMENSION: D-170 H-40 MM			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		19.4	20.9	19.7	21.1	21.3	19.0	20.6	19.3	20.8	21.0
	3H	21.0	22.4	21.3	22.6	22.9	20.4	21.8	20.7	22.1	22.3
	4H	21.7	23.0	22.0	23.3	23.5	20.9	22.2	21.2	22.5	22.8
	6H	22.2	23.5	22.5	23.7	24.0	21.2	22.4	21.5	22.7	23.0
	8H	22.4	23.6	22.7	23.9	24.2	21.2	22.4	21.5	22.7	23.0
	12H	22.5	23.7	22.9	24.0	24.3	21.2	22.4	21.5	22.7	23.0
4H	2H	19.9	21.3	20.3	21.5	21.8	19.7	21.0	20.0	21.3	21.5
	3H	21.7	22.9	22.0	23.2	23.5	21.2	22.4	21.6	22.7	23.0
	4H	22.5	23.5	22.8	23.9	24.2	21.8	22.9	22.2	23.3	23.6
	6H	23.1	24.1	23.5	24.4	24.8	22.2	23.2	22.6	23.6	23.9
	8H	23.3	24.2	23.8	24.6	25.0	22.3	23.2	22.7	23.6	23.9
	12H	23.5	24.4	24.0	24.8	25.2	22.3	23.1	22.7	23.5	23.9
8H	4H	22.7	23.6	23.1	23.9	24.3	22.1	23.0	22.5	23.4	23.8
	6H	23.4	24.2	23.9	24.6	25.0	22.6	23.4	23.1	23.8	24.2
	8H	23.7	24.4	24.2	24.8	25.3	22.8	23.4	23.2	23.8	24.3
	12H	24.0	24.6	24.5	25.0	25.5	22.8	23.4	23.3	23.9	24.3
12H	4H	22.7	23.5	23.1	23.9	24.3	22.1	23.0	22.6	23.3	23.8
	6H	23.5	24.1	23.9	24.6	25.0	22.7	23.4	23.1	23.8	24.2
	8H	23.8	24.4	24.3	24.8	25.3	22.8	23.4	23.3	23.9	24.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.4				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 2024 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	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	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	94	86	79	93	85	78	89	82	77	69
2.50	98	91	84	96	89	83	93	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

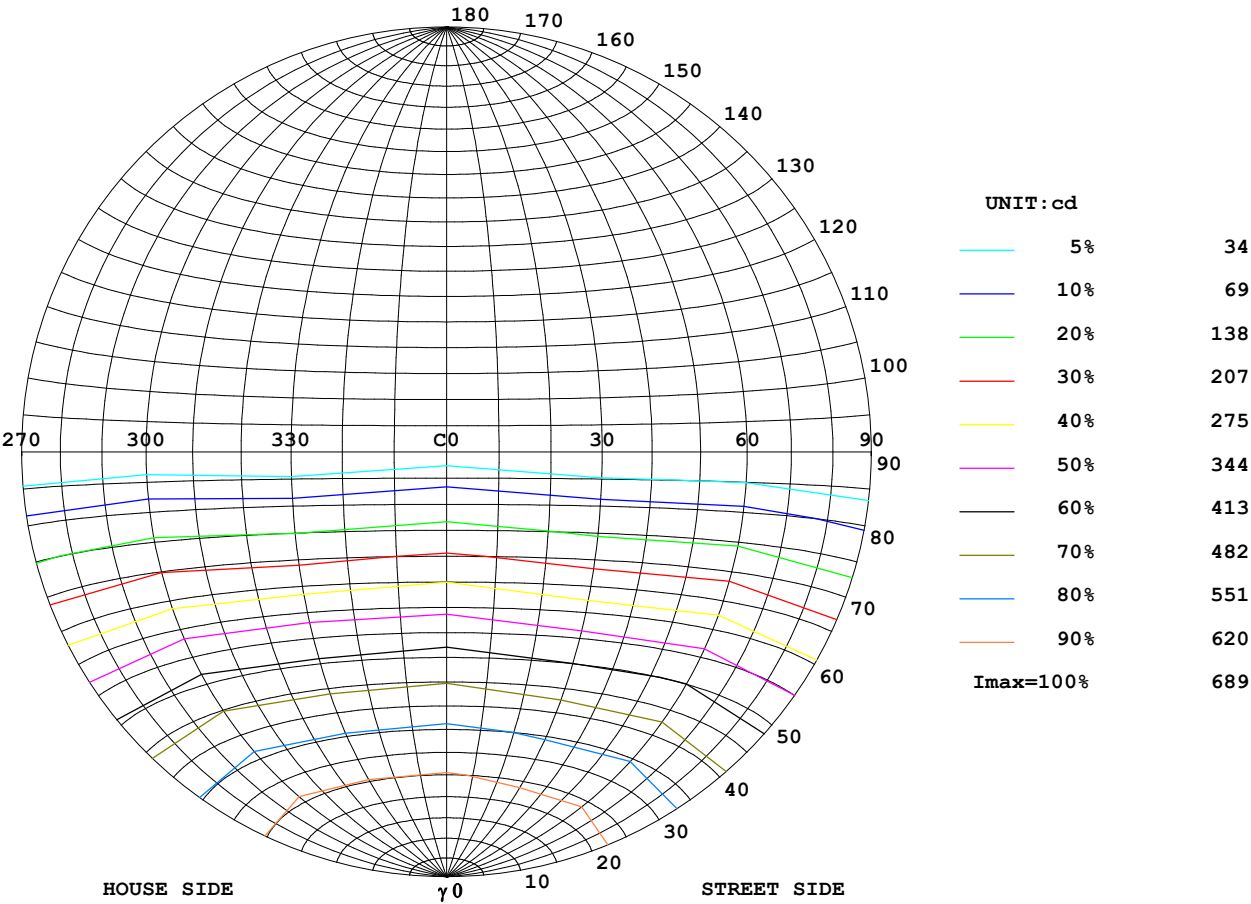
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.000 m
 Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



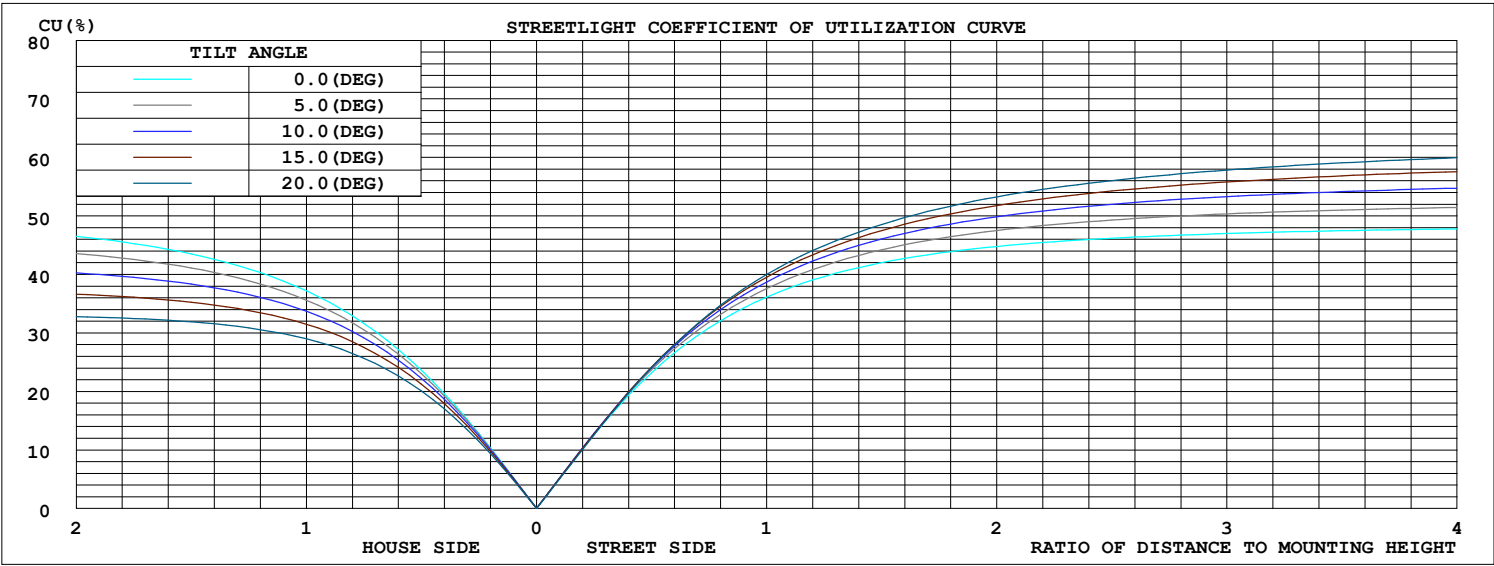
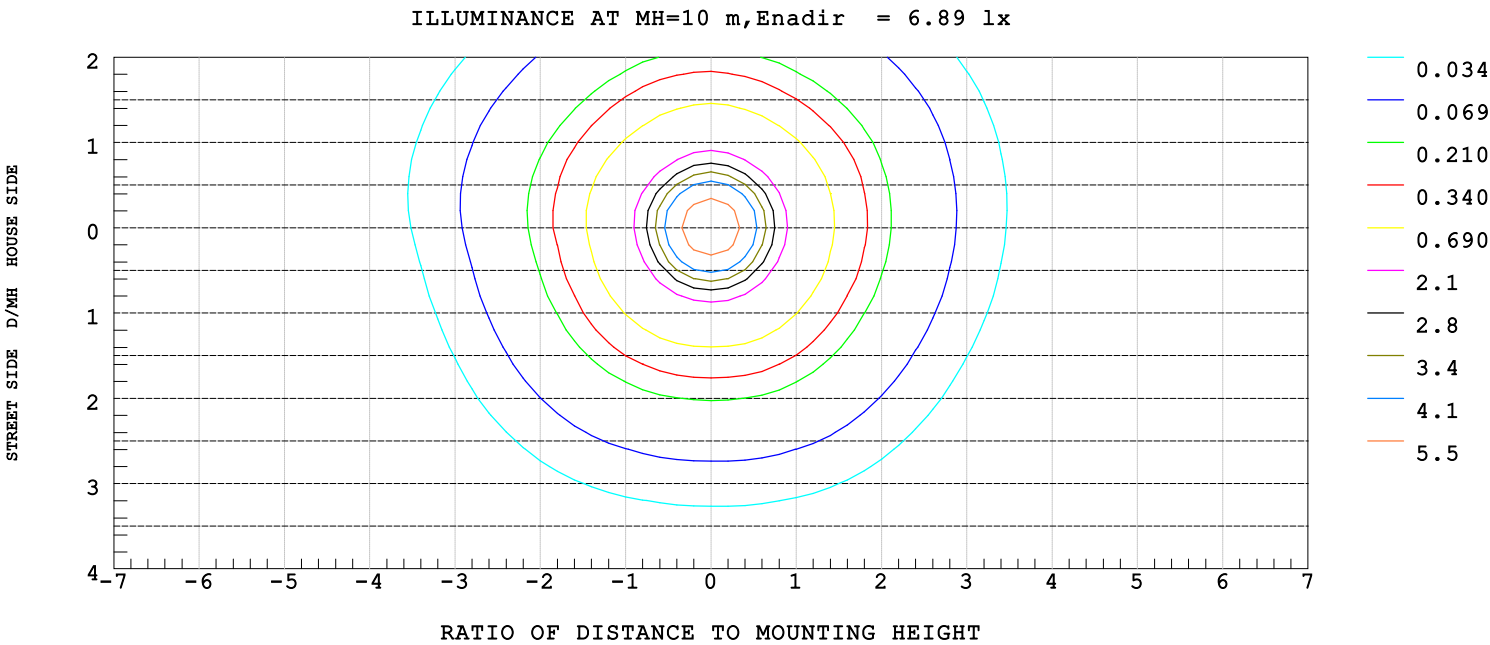
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



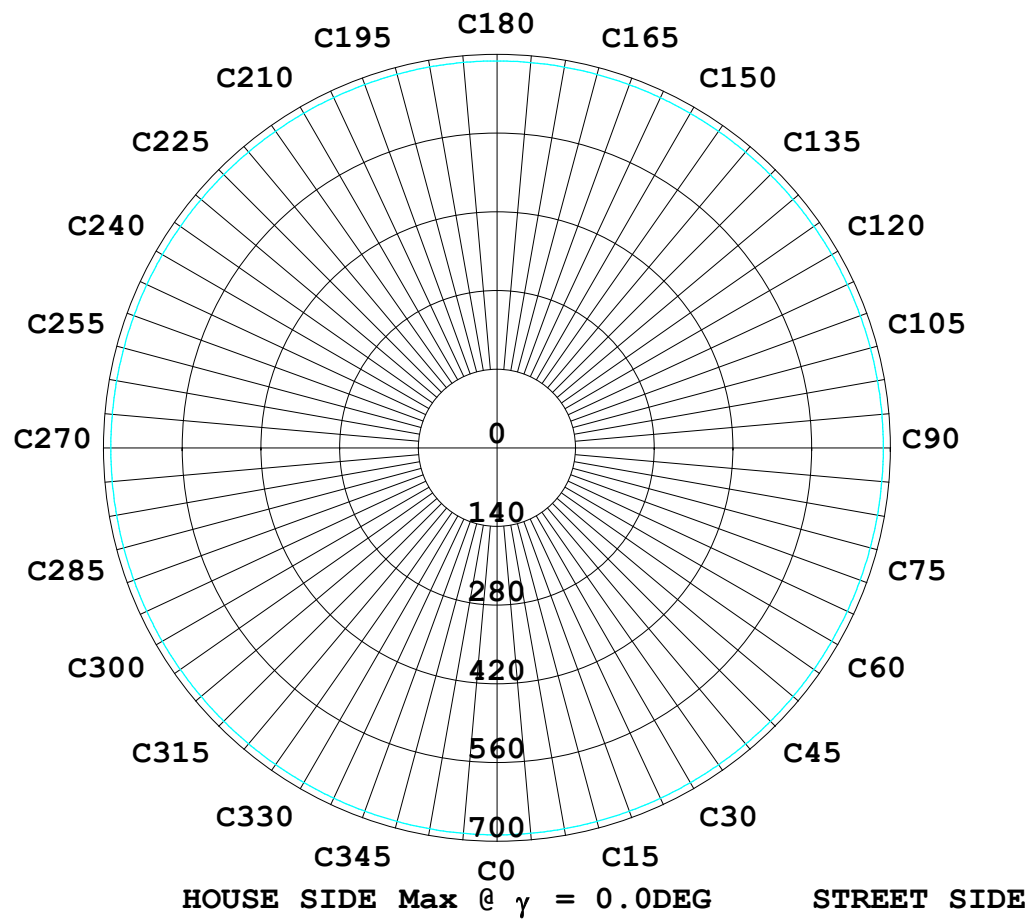
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 170	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-170 H-40 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	689	688	688	687	688	687	689	688	688	687	688	687
5.0	686	684	684	682	684	683	685	687	686	687	686	687
10.0	678	674	675	671	675	672	677	680	678	681	679	680
15.0	665	659	660	655	660	657	663	668	665	669	666	668
20.0	647	639	639	633	639	636	644	650	646	651	646	651
25.0	622	612	613	605	613	610	619	626	622	627	622	628
30.0	593	581	582	572	581	578	589	598	591	597	592	600
35.0	560	546	546	535	546	543	554	564	555	563	556	566
40.0	522	505	506	493	505	503	516	527	516	524	517	529
45.0	479	461	461	447	460	458	473	484	471	480	472	486
50.0	434	413	413	397	413	410	425	437	422	431	423	440
55.0	383	361	361	344	361	358	375	387	371	381	372	390
60.0	330	301	306	283	305	298	326	333	309	325	327	336
65.0	275	245	246	227	245	242	259	276	251	256	252	279
70.0	213	187	187	169	187	185	202	215	194	205	195	218
75.0	156	130	130	113	130	128	145	157	135	146	136	160
80.0	102	79.7	77.3	62.3	77.3	78.1	91.3	102	80.2	89.9	81.2	105
85.0	52.2	35.5	33.3	21.1	34.0	33.5	44.4	54.4	36.3	41.3	36.6	57.7
90.0	13.8	6.23	9.80	4.53	9.63	5.02	10.8	14.8	8.99	13.0	9.47	17.4

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K