

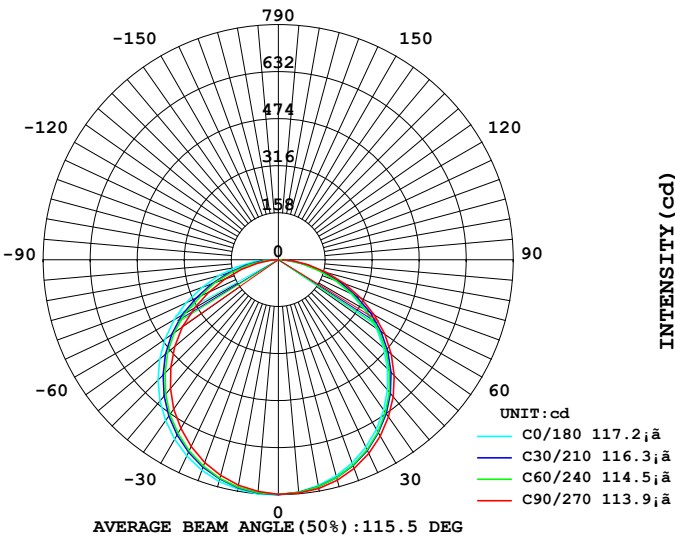
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

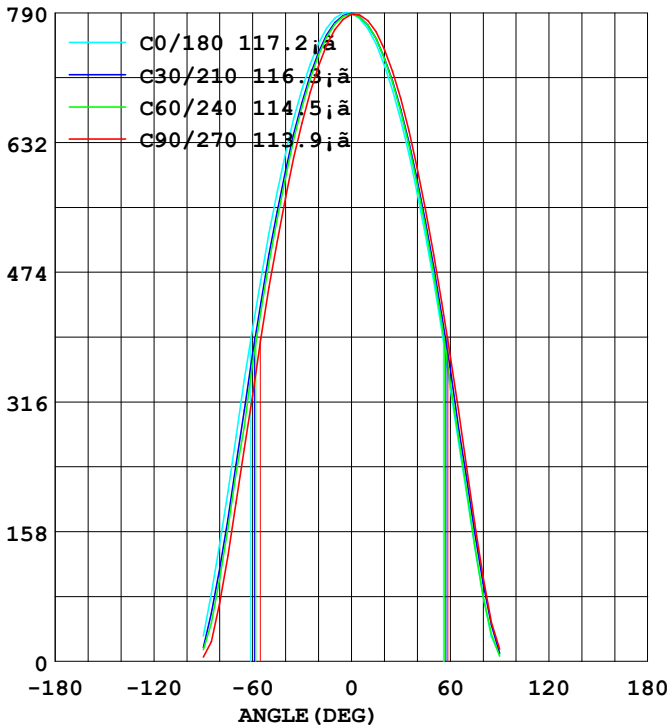
MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	789.9	S/MH (C0/180)	1.31
MODEL	ALINA 220	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
NOMINAL POWER (W)	25	TOTAL FLUX (lm)	2321.2	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	94.0	Current (A)	0.193
NOMINAL FLUX (lm)	2321.3	η up (%)	0.0	Power (W)	24.70
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.522
TEST VOLTAGE (V)	219.7	Effictive Flux (lm)	2279.3	EEI	0.148

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:9.500 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:

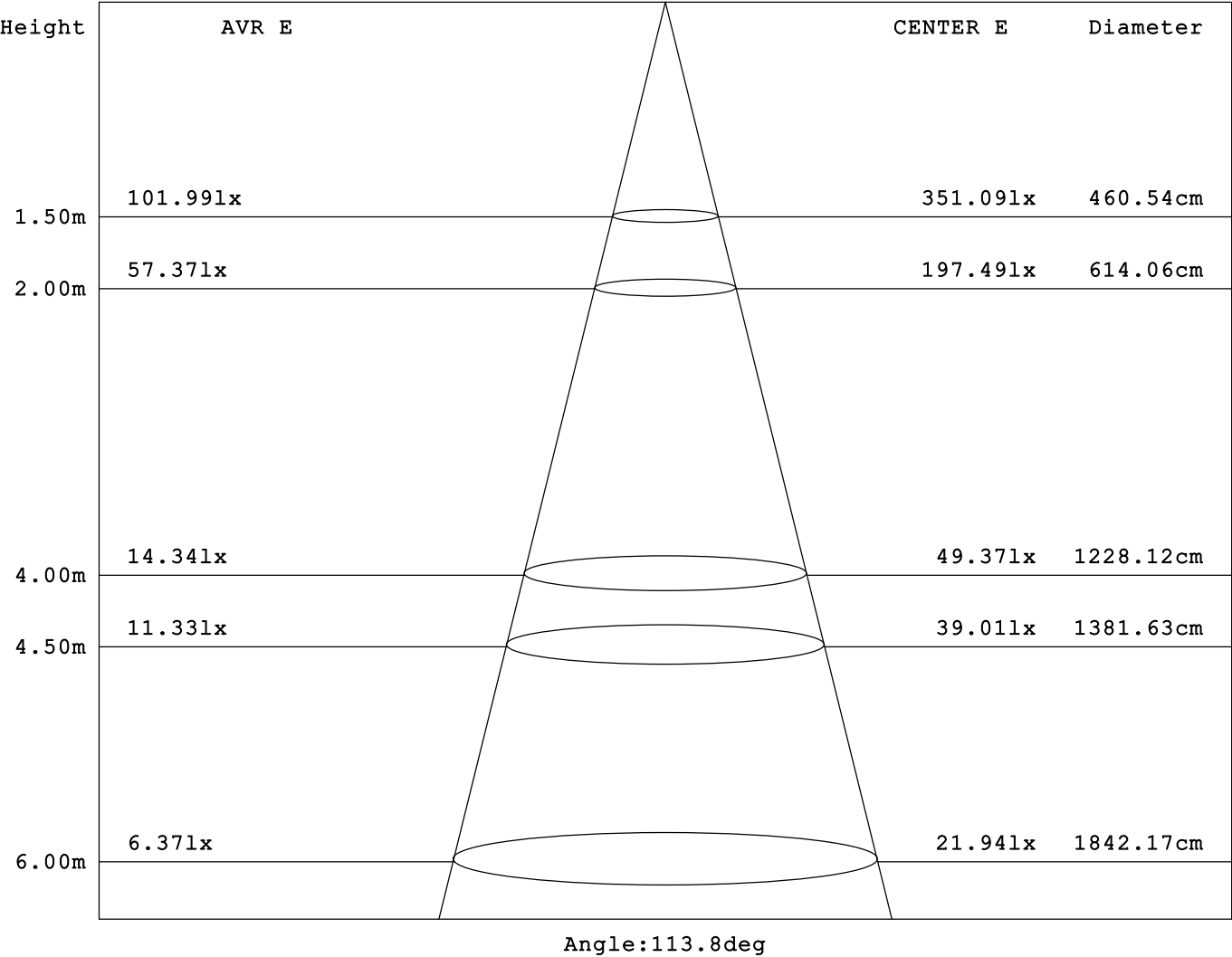
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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:9.500 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	783.5	777.0	769.5	768.2	770.5	774.7	780.4	782.6	0- 10	74.66	74.66
20.0	752.6	740.0	725.2	723.2	726.5	735.2	746.0	751.1	10- 20	214.4	289.1
30.0	696.5	677.5	655.3	653.4	659.0	670.7	685.1	694.0	20- 30	326.6	615.8
40.0	619.0	593.6	564.7	563.3	570.7	583.9	601.1	613.7	30- 40	396.6	1012
50.0	521.7	490.4	455.5	454.7	462.7	475.8	495.2	511.4	40- 50	415.0	1427
60.0	405.7	369.4	324.0	326.8	334.1	349.7	373.4	392.9	50- 60	378.6	1806
70.0	273.1	233.8	193.0	193.9	203.7	215.0	235.6	256.7	60- 70	289.2	2095
80.0	143.0	106.8	71.11	73.01	80.05	87.81	103.3	124.9	70- 80	169.7	2265
90.0	30.95	15.61	5.144	8.302	8.212	8.122	14.98	25.27	80- 90	56.14	2321
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:9.500 m
Remarks: 5700K

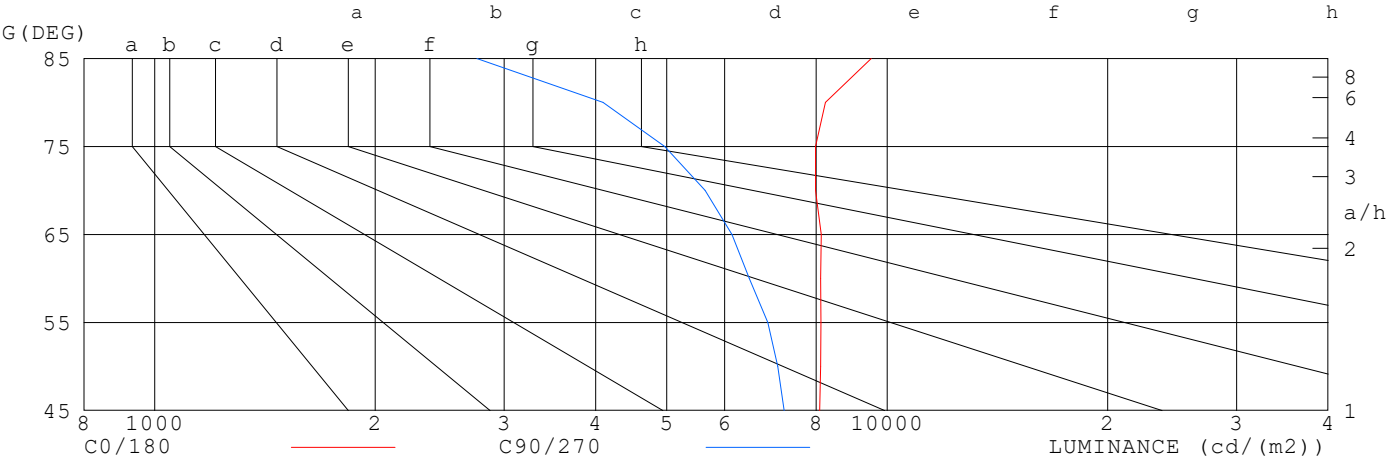
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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	9516	2754
80	8238	4095
75	7985	4972
70	7987	5644
65	8132	6140
60	8115	6482
55	8119	6874
50	8117	7088
45	8091	7236

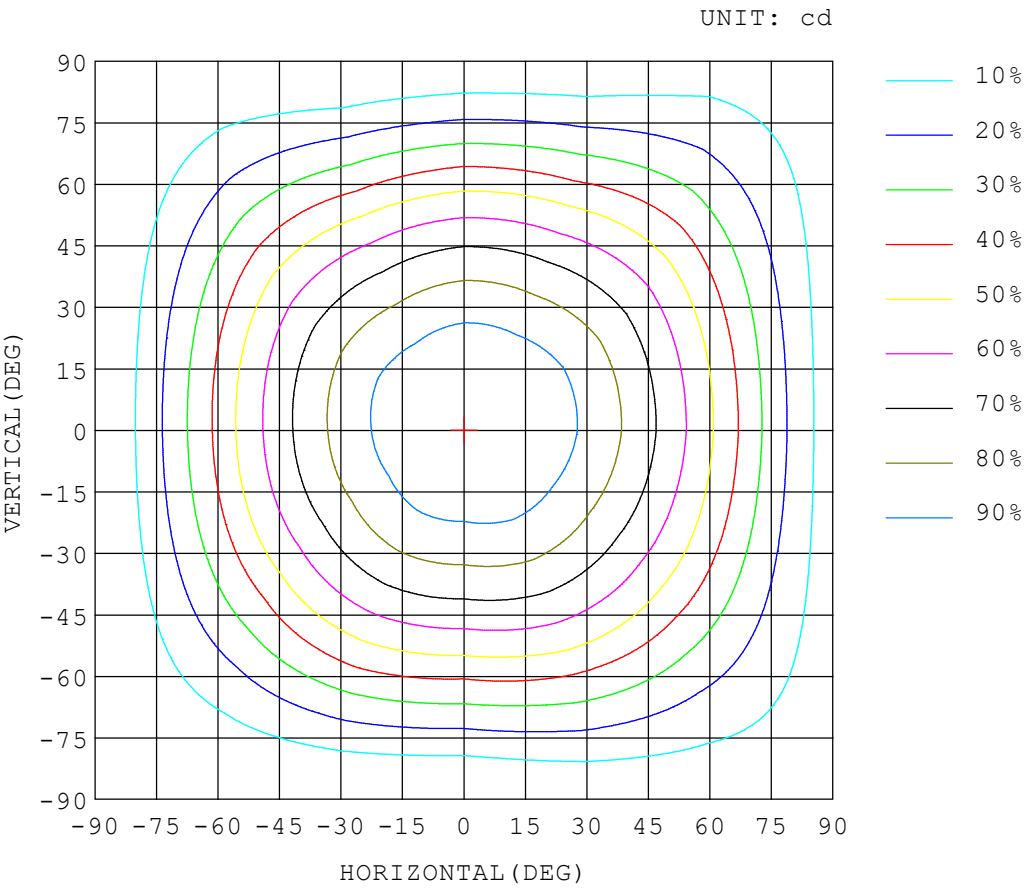
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:



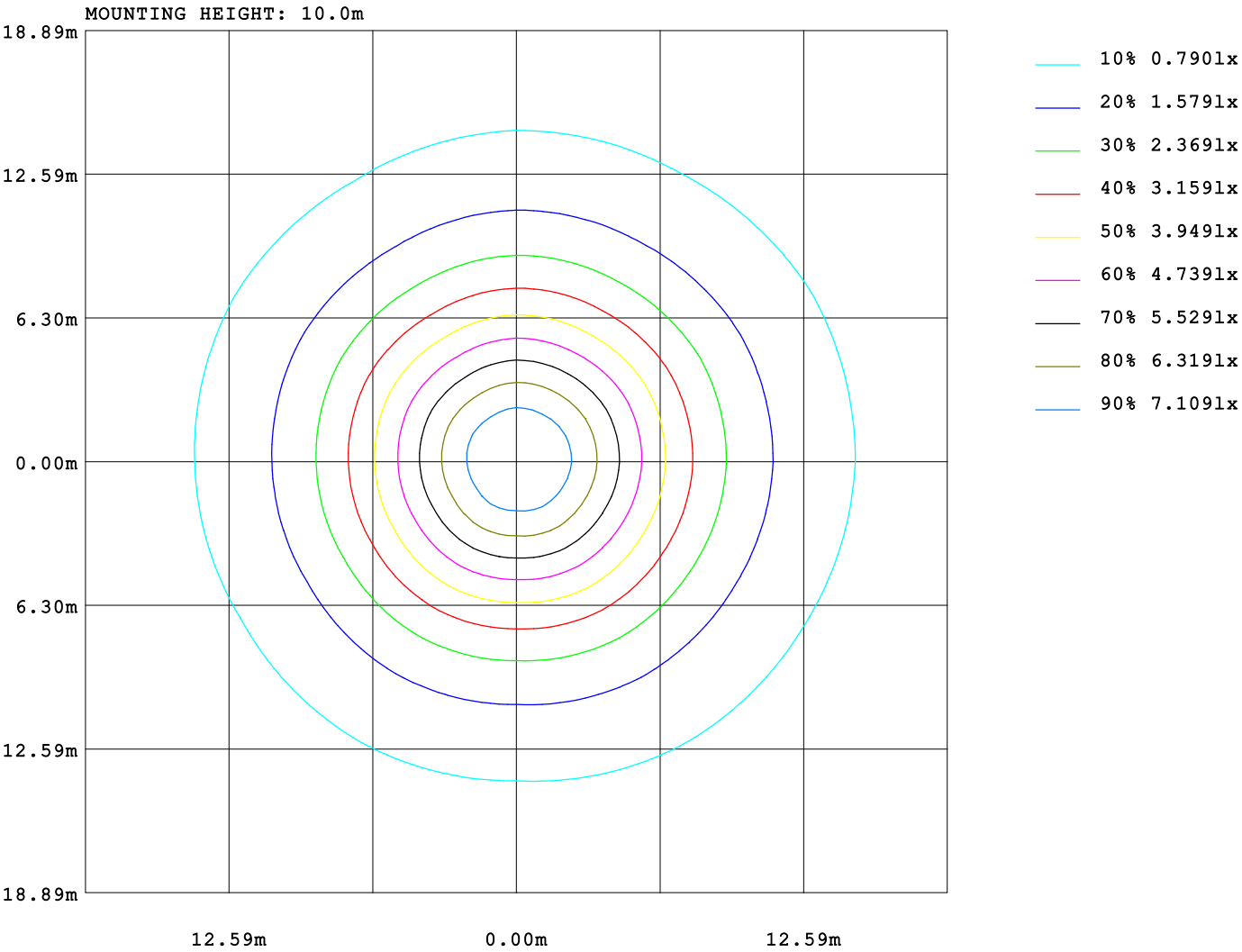
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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:9.500 m
Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019																				
NAME: ALINA 220									TYPE: 5700K CRI-90						WEIGHT:					
SPECIFICATION:									DIMENSION: D-220 H-40 MM						SERIAL No.:					

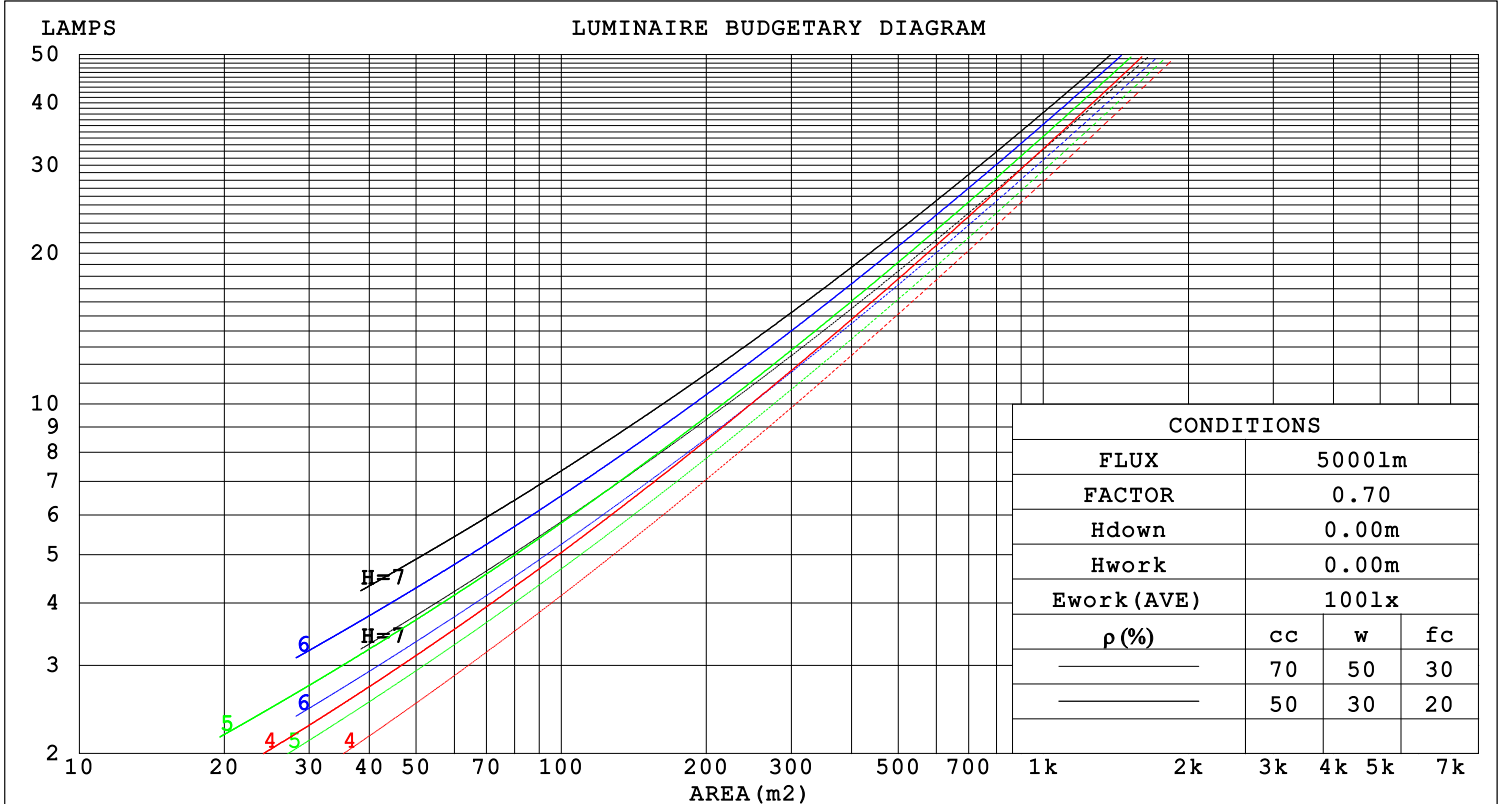
90 80 70 60 50 40 30 <

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:9.500 m
Remarks: 5700K

Report number:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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:9.500 m
Remarks: 5700K

WEC AND CCEC

Report number:

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Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019														
NAME: ALINA 220							TYPE: 5700K CRI-90					WEIGHT:		
SPECIFICATION:							DIMENSION: D-220 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	.318	.181	.057	.311	.177	.056	.297	.171	.054	.285	.164	.053	.274	.159	.051	
2.0	.297	.163	.050	.290	.160	.049	.279	.155	.048	.268	.150	.047	.258	.146	.046	
3.0	.274	.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	.233	.119	.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	.011	.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:9.500 m
 Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019											
NAME: ALINA 220					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-220 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	20.3	21.8	20.6	22.0	22.2	19.6	21.1	19.9	21.3	21.5
	3H	22.0	23.4	22.3	23.7	23.9	21.0	22.4	21.3	22.6	22.9
	4H	22.8	24.1	23.1	24.4	24.6	21.5	22.8	21.8	23.1	23.3
	6H	23.4	24.7	23.8	25.0	25.3	21.8	23.0	22.1	23.3	23.6
	8H	23.7	24.9	24.0	25.2	25.5	21.8	23.0	22.1	23.3	23.6
	12H	23.9	25.1	24.3	25.4	25.7	21.8	23.0	22.1	23.3	23.6
4H	2H	20.8	22.2	21.1	22.4	22.7	20.3	21.7	20.6	21.9	22.2
	3H	22.7	23.9	23.1	24.2	24.5	21.9	23.1	22.3	23.4	23.7
	4H	23.6	24.7	24.0	25.0	25.4	22.5	23.6	22.9	24.0	24.3
	6H	24.4	25.4	24.8	25.7	26.1	23.0	23.9	23.4	24.3	24.6
	8H	24.7	25.6	25.2	26.0	26.4	23.0	23.9	23.4	24.3	24.7
	12H	25.0	25.9	25.5	26.2	26.7	23.0	23.9	23.5	24.3	24.7
8H	4H	23.8	24.7	24.3	25.1	25.5	22.9	23.8	23.3	24.2	24.6
	6H	24.8	25.5	25.2	25.9	26.4	23.5	24.2	23.9	24.6	25.0
	8H	25.2	25.9	25.7	26.3	26.7	23.6	24.3	24.1	24.7	25.1
	12H	25.6	26.2	26.1	26.6	27.1	23.7	24.3	24.2	24.7	25.2
12H	4H	23.8	24.7	24.3	25.1	25.5	22.9	23.8	23.4	24.2	24.6
	6H	24.8	25.5	25.3	25.9	26.4	23.6	24.2	24.0	24.6	25.1
	8H	25.3	25.9	25.8	26.3	26.8	23.7	24.3	24.2	24.8	25.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.3 / - 0.4				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 2321 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.9)

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:9.500 m
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UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI, 301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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	77	70	86	77	70	83	75	69	61
2.00	94	86	79	93	85	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	103	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		

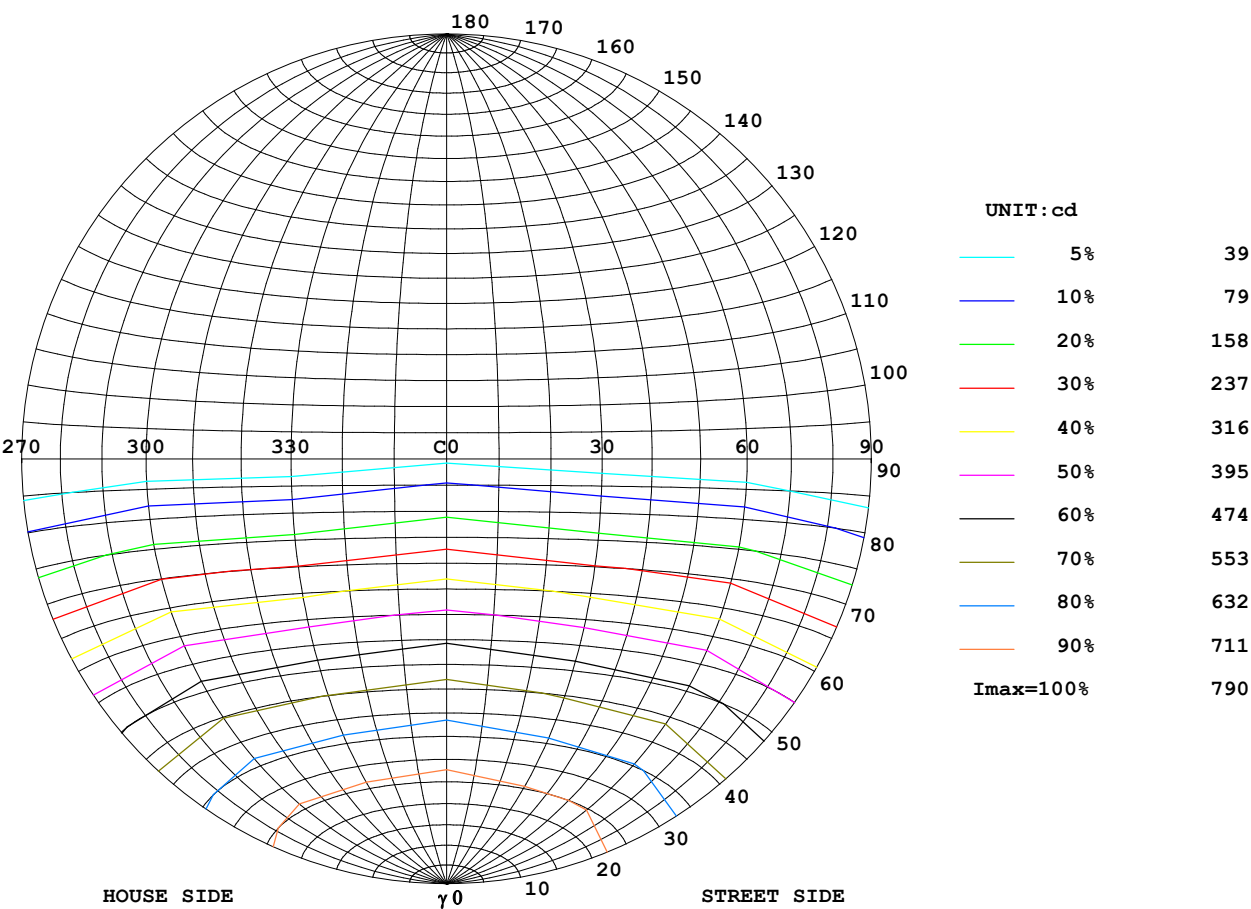
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 Temperature: 25.3 DEG
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ISOCANDELA DIAGRAM

Report number:

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Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:



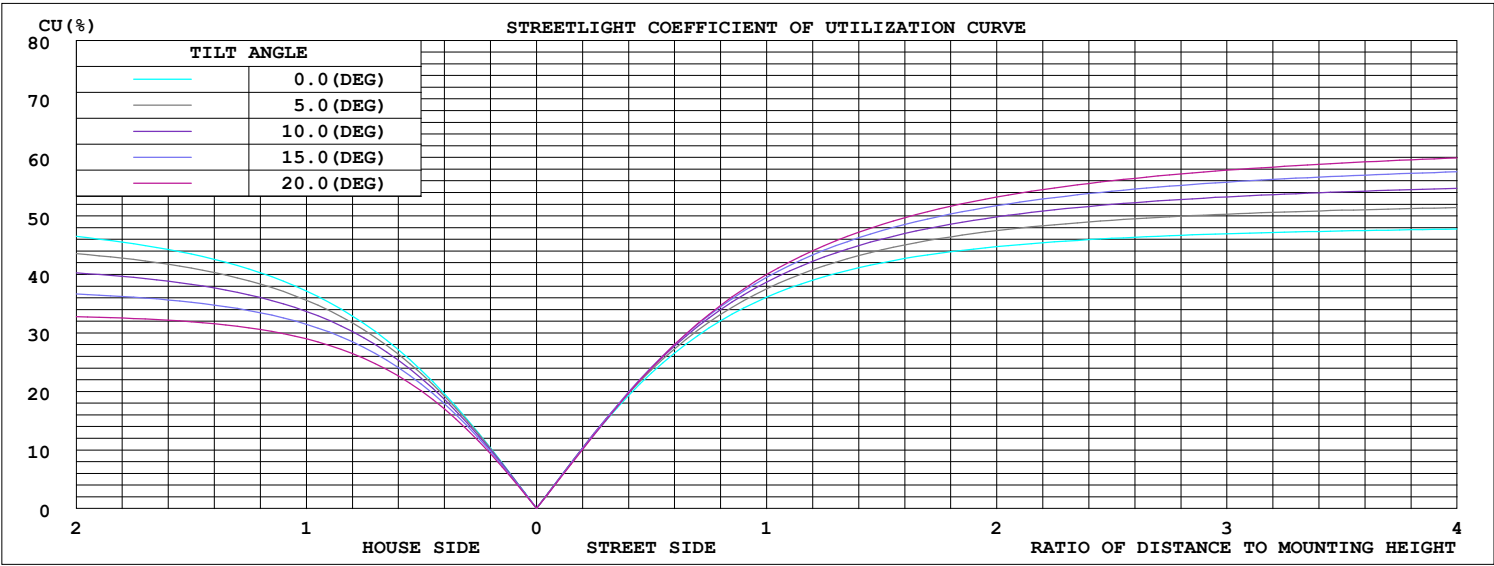
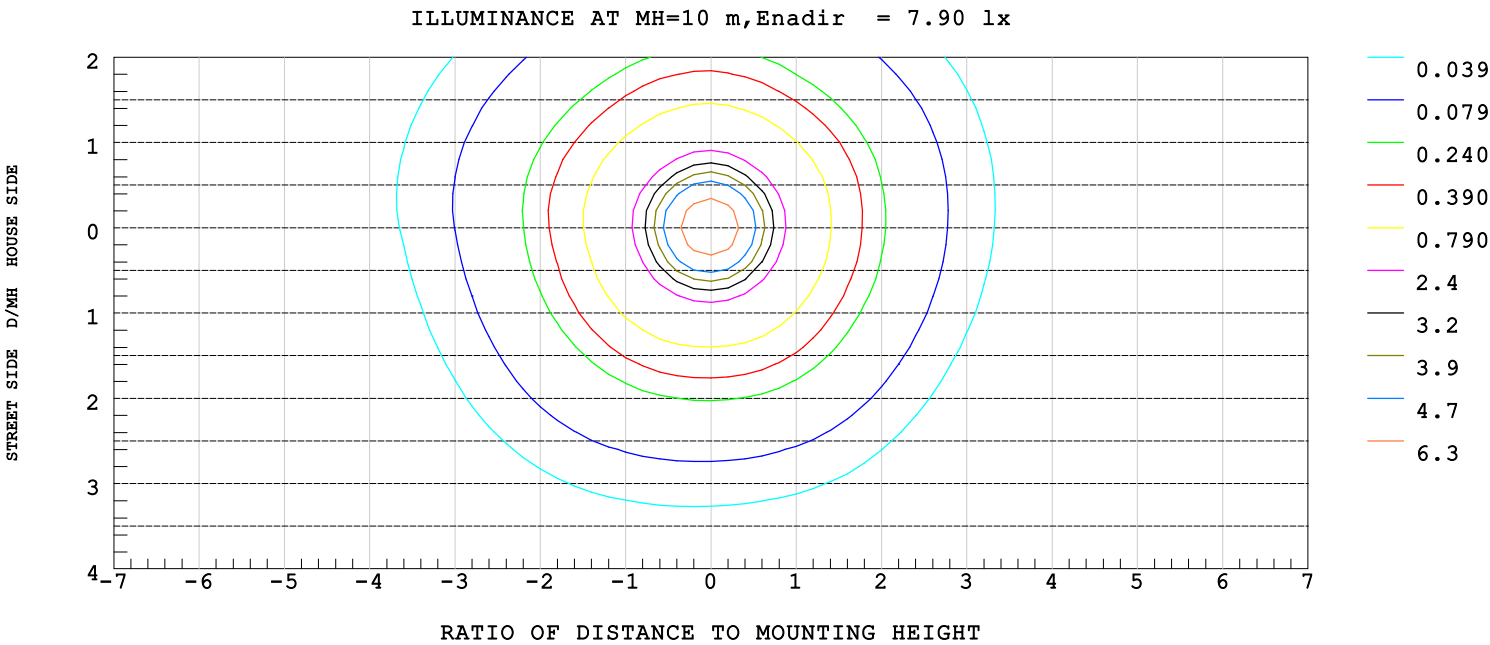
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ISOLUX DIAGRAM

Report number:

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Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 H-40 MM	SERIAL No.:



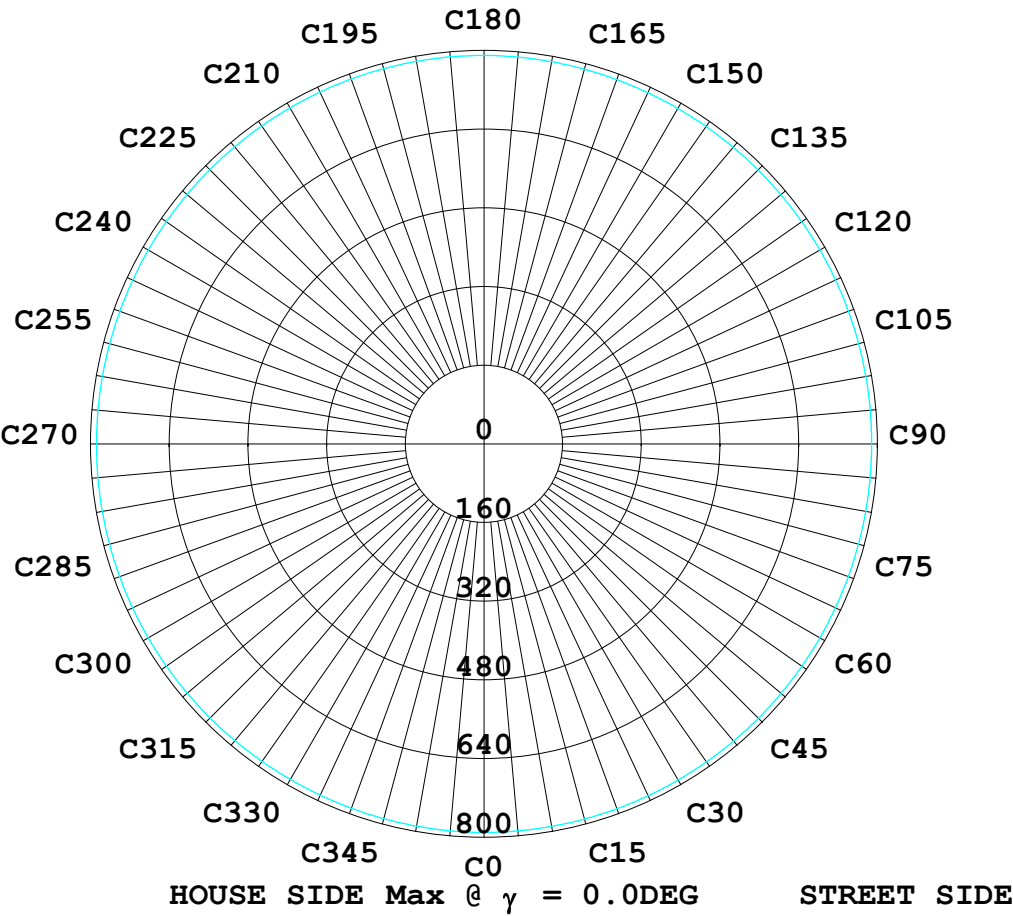
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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:9.500 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 220	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-220 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	790	789	788	788	789	788	790	789	788	788	789	788
5.0	790	787	785	782	783	780	783	785	785	788	788	790
10.0	784	778	776	770	770	766	771	775	775	780	781	784
15.0	771	763	760	751	752	746	752	759	758	767	768	773
20.0	753	742	738	725	727	720	727	736	735	746	747	755
25.0	728	714	709	693	695	687	696	707	706	719	720	732
30.0	697	680	675	655	658	649	659	672	669	685	687	701
35.0	661	642	635	613	616	606	617	631	628	645	647	665
40.0	619	598	590	565	569	558	571	587	581	601	603	624
45.0	572	548	539	512	516	505	519	536	529	551	553	577
50.0	522	495	485	456	461	449	463	480	472	495	498	525
55.0	466	437	426	394	400	388	404	422	412	437	440	470
60.0	406	375	364	324	336	318	334	358	341	373	377	409
65.0	344	306	286	259	267	253	268	286	274	307	304	345
70.0	273	239	228	193	200	188	204	222	208	236	238	275
75.0	207	174	162	129	135	125	139	157	141	168	171	208
80.0	143	113	101	71.1	76.2	69.7	80.0	95.8	79.7	103	106	143
85.0	82.9	58.4	46.7	24.0	31.0	22.5	30.1	44.4	33.3	47.6	51.4	85.7
90.0	30.9	17.0	14.1	5.14	10.7	5.86	8.21	9.92	6.31	14.9	16.3	34.2

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