

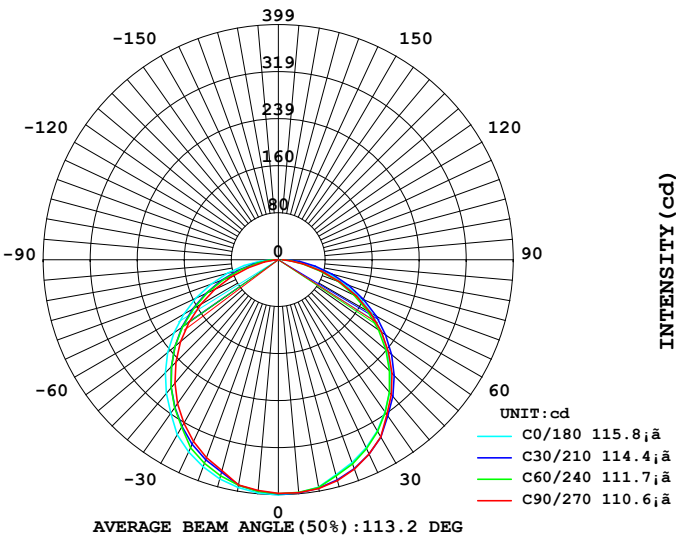
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

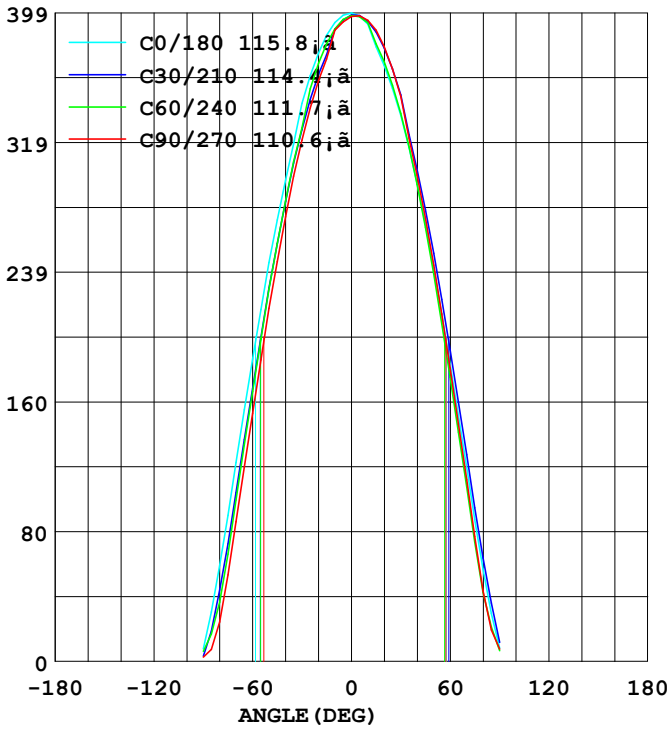
MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	399.1	S/MH (C0/180)	1.27
MODEL	ALINA 140	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.21
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	1144.3	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	94.6	Current (A)	0.113
NOMINAL FLUX (lm)	1144.3	η up (%)	0.0	Power (W)	12.10
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.540
TEST VOLTAGE (V)	219.6	Effictive Flux(lm)	1124.1	EEI	0.143

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:10.000 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:

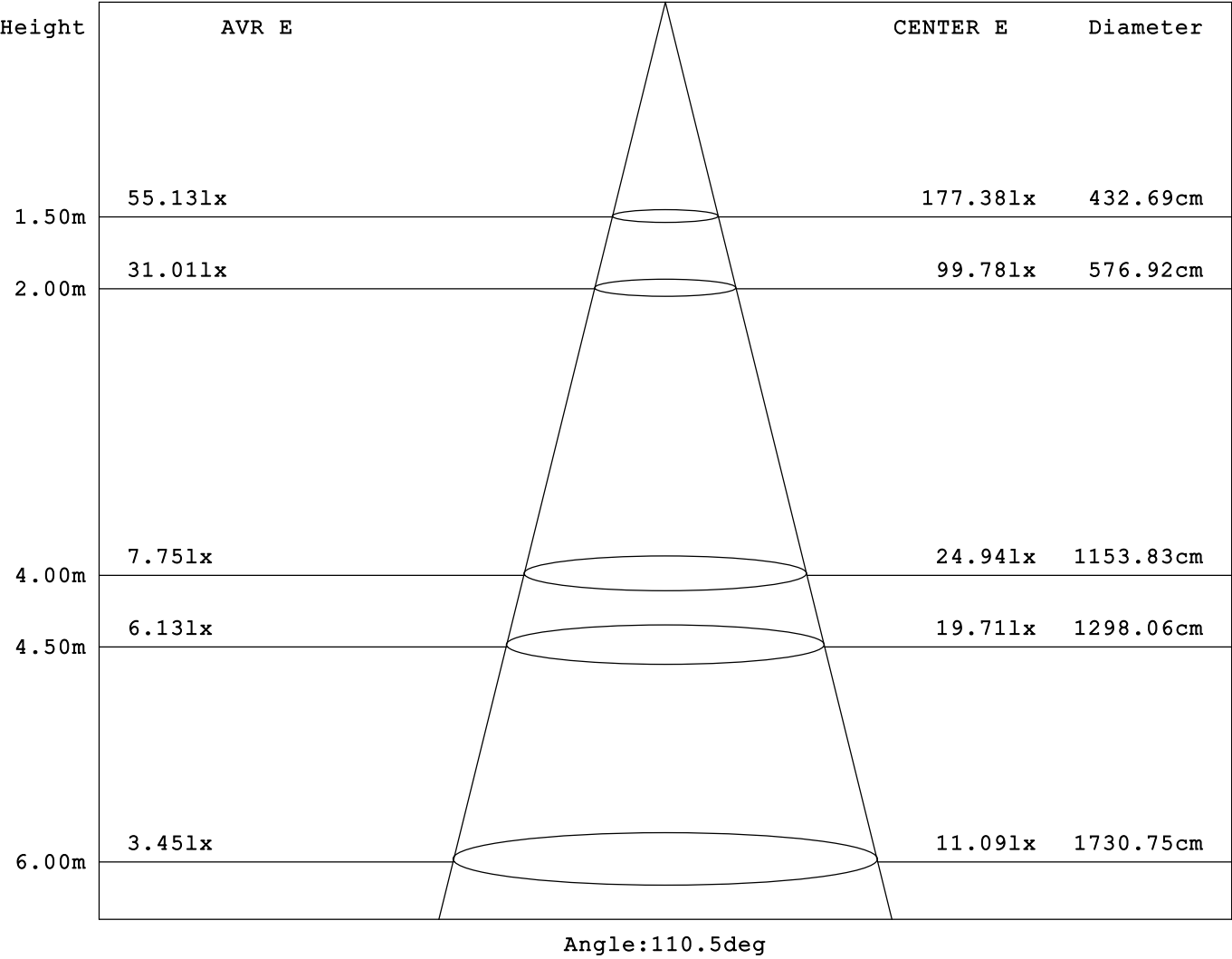
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 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:10.000 m
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	393.1	389.0	388.3	388.7	392.1	393.2	394.5	393.0	0- 10	37.65	37.65
20.0	374.2	364.6	357.3	364.6	366.7	373.2	378.3	372.7	10- 20	107.5	145.1
30.0	343.3	327.7	320.7	327.7	335.8	342.9	347.6	342.2	20- 30	163.1	308.3
40.0	296.1	283.2	273.5	283.8	294.0	297.9	298.8	297.2	30- 40	196.4	504.7
50.0	245.3	229.3	217.1	230.2	242.1	244.6	243.8	244.0	40- 50	204.2	709.0
60.0	186.0	167.1	152.6	168.3	183.1	183.4	180.6	182.8	50- 60	185.1	894.1
70.0	122.3	101.5	86.00	103.2	119.5	117.3	111.8	116.8	60- 70	141.3	1036
80.0	59.10	40.29	24.40	42.00	56.80	53.00	43.39	52.59	70- 80	81.86	1117
90.0	7.700	4.750	2.700	4.550	8.200	9.150	7.600	8.700	80- 90	26.94	1144
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

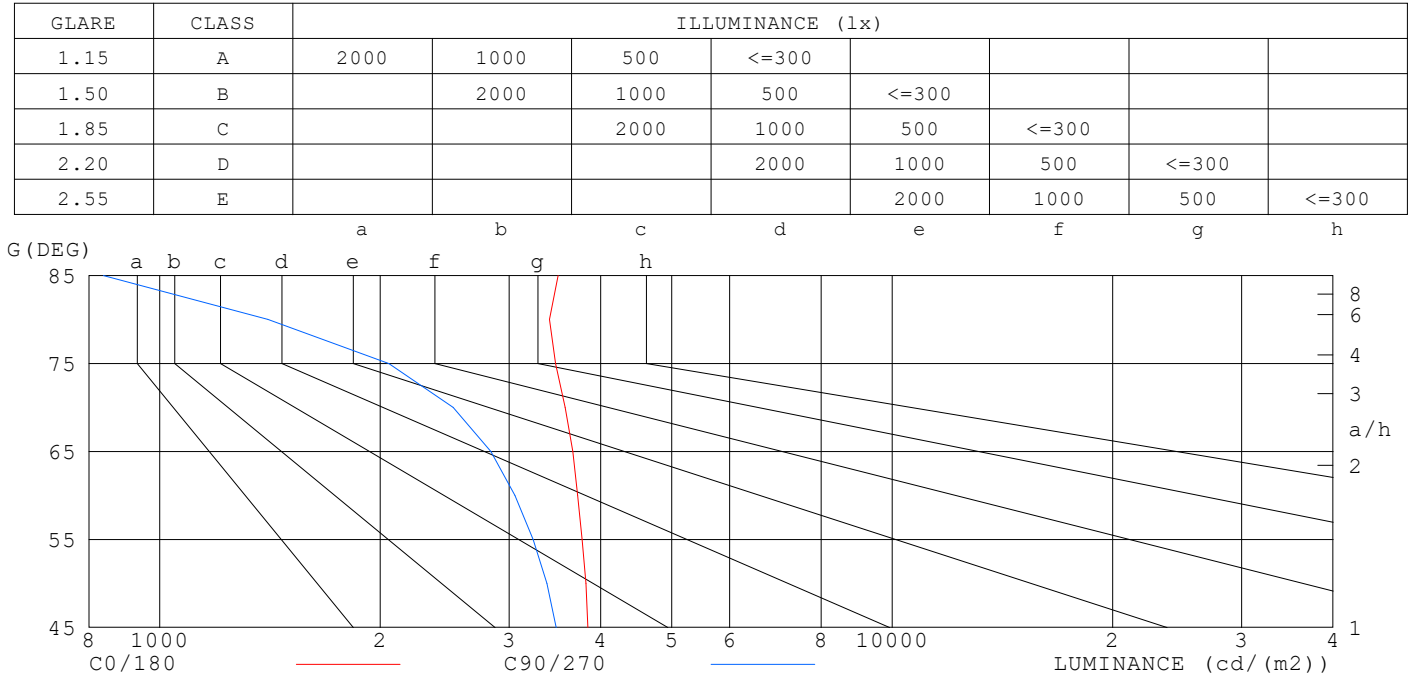
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	3499	838
80	3403	1405
75	3470	2055
70	3576	2514
65	3663	2832
60	3722	3054
55	3775	3234
50	3818	3379
45	3841	3479

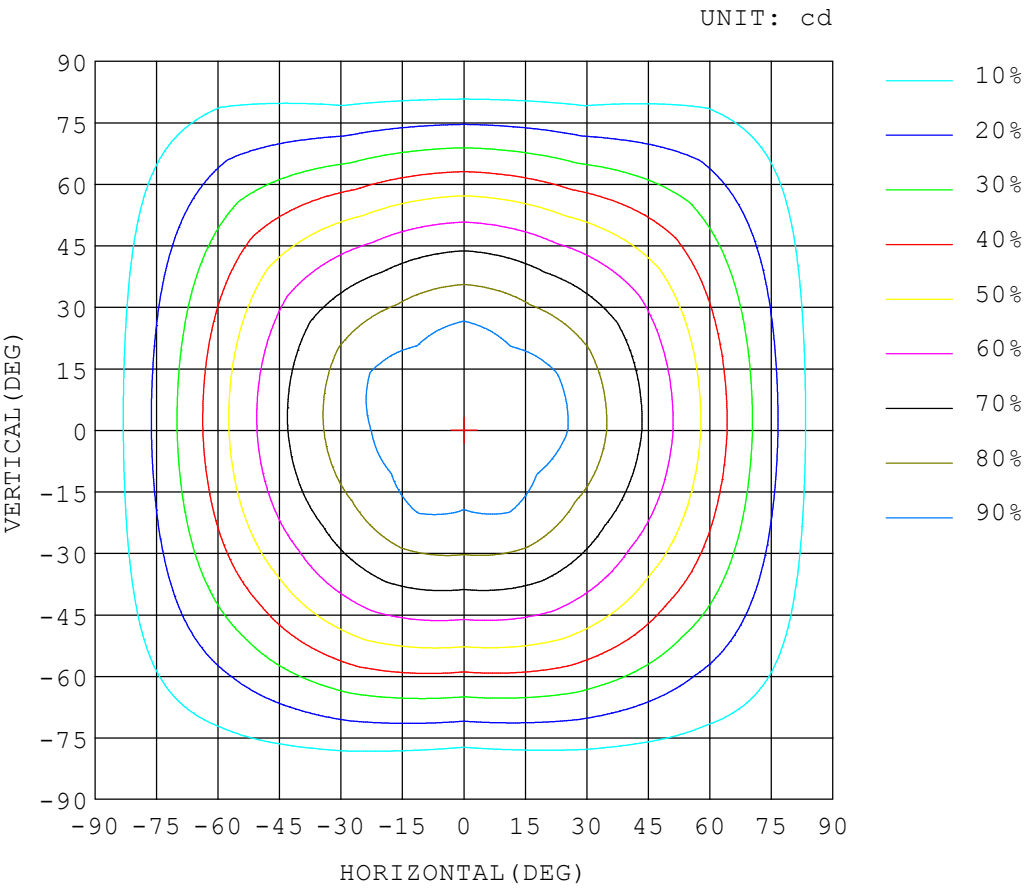
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:



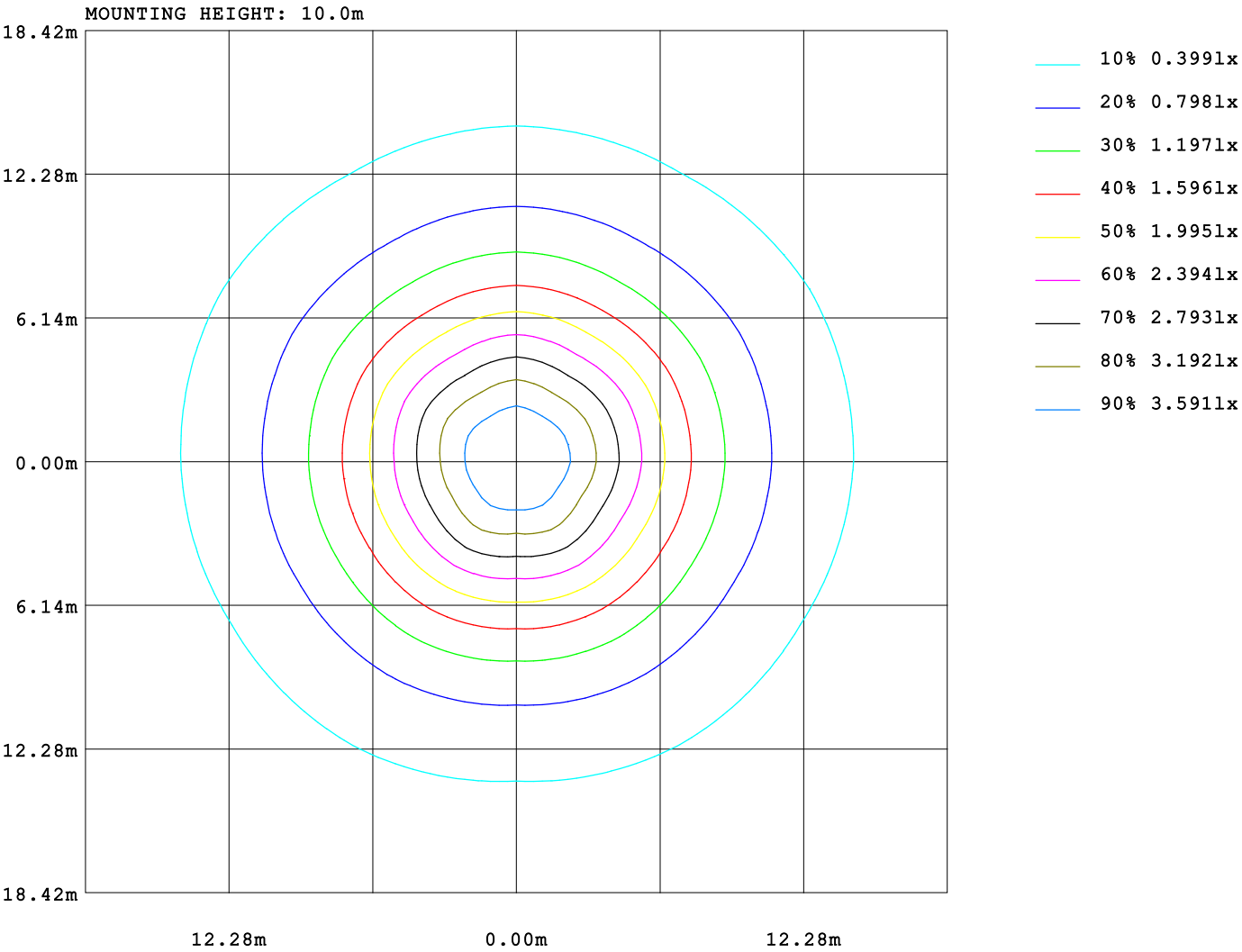
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 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:10.000 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019																				
NAME: ALINA 140										TYPE: 4000K CRI-90					WEIGHT:					
SPECIFICATION: HC POWER 300 MA										DIMENSION: D-140 H-40 MM					SERIAL No.:					

90 80 70 60 50 40 30
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Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

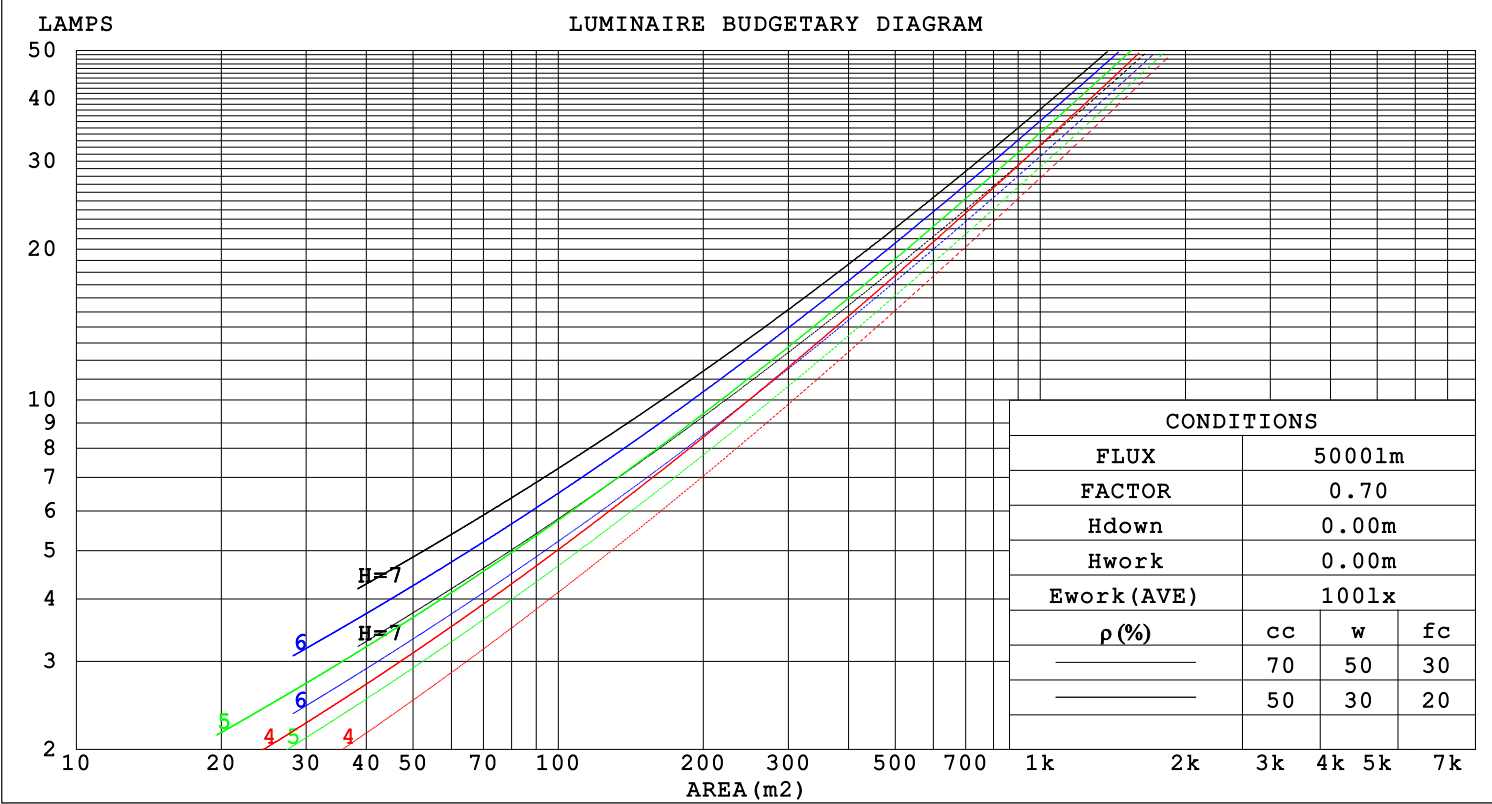
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019															
NAME: ALINA 140								TYPE: 4000K CRI-90				WEIGHT:			
SPECIFICATION: HC POWER 300 MA								DIMENSION: D-140 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
pf _c	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



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:10.000 m
Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019														
NAME: ALINA 140							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION: HC POWER 300 MA							DIMENSION: D-140 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	.316	.179	.057	.309	.176	.056	.295	.169	.054	.283	.163	.052	.272	.158	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.037	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.106	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.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	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.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	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.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:10.000 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019											
NAME: ALINA 140					TYPE: 4000K CRI-90			WEIGHT:			
SPECIFICATION: HC POWER 300 MA					DIMENSION: D-140 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		17.3	18.9	17.6	19.1	19.3	16.8	18.4	17.1	18.6	18.8
	3H	19.0	20.4	19.3	20.6	20.9	18.1	19.5	18.4	19.7	20.0
	4H	19.7	21.0	20.0	21.3	21.5	18.5	19.8	18.8	20.1	20.3
	6H	20.2	21.5	20.6	21.8	22.1	18.6	19.9	18.9	20.1	20.4
	8H	20.4	21.6	20.8	21.9	22.2	18.6	19.8	18.9	20.1	20.4
	12H	20.6	21.7	20.9	22.0	22.3	18.5	19.7	18.9	20.0	20.3
4H	2H	17.9	19.2	18.2	19.5	19.7	17.5	18.8	17.8	19.1	19.3
	3H	19.6	20.8	20.0	21.1	21.4	18.9	20.1	19.3	20.4	20.7
	4H	20.4	21.5	20.8	21.8	22.2	19.4	20.5	19.8	20.8	21.1
	6H	21.1	22.1	21.5	22.4	22.8	19.6	20.6	20.0	20.9	21.3
	8H	21.4	22.3	21.8	22.6	23.0	19.6	20.5	20.0	20.9	21.3
	12H	21.6	22.4	22.0	22.8	23.2	19.6	20.4	20.0	20.8	21.2
8H	4H	20.6	21.5	21.0	21.9	22.3	19.7	20.6	20.1	20.9	21.3
	6H	21.4	22.1	21.8	22.5	23.0	20.0	20.7	20.4	21.2	21.6
	8H	21.7	22.4	22.2	22.8	23.2	20.1	20.7	20.5	21.2	21.6
	12H	22.0	22.6	22.5	23.0	23.5	20.1	20.7	20.6	21.1	21.6
12H	4H	20.6	21.4	21.0	21.8	22.2	19.7	20.5	20.1	20.9	21.3
	6H	21.4	22.1	21.9	22.5	22.9	20.1	20.7	20.5	21.1	21.6
	8H	21.7	22.3	22.2	22.8	23.2	20.2	20.7	20.6	21.2	21.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.2 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.4				
2.0H		+ 0.3 / - 0.3					+ 0.3 / - 0.6				

CIE Pub.117 Corrected 1144 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

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:10.000 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 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	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

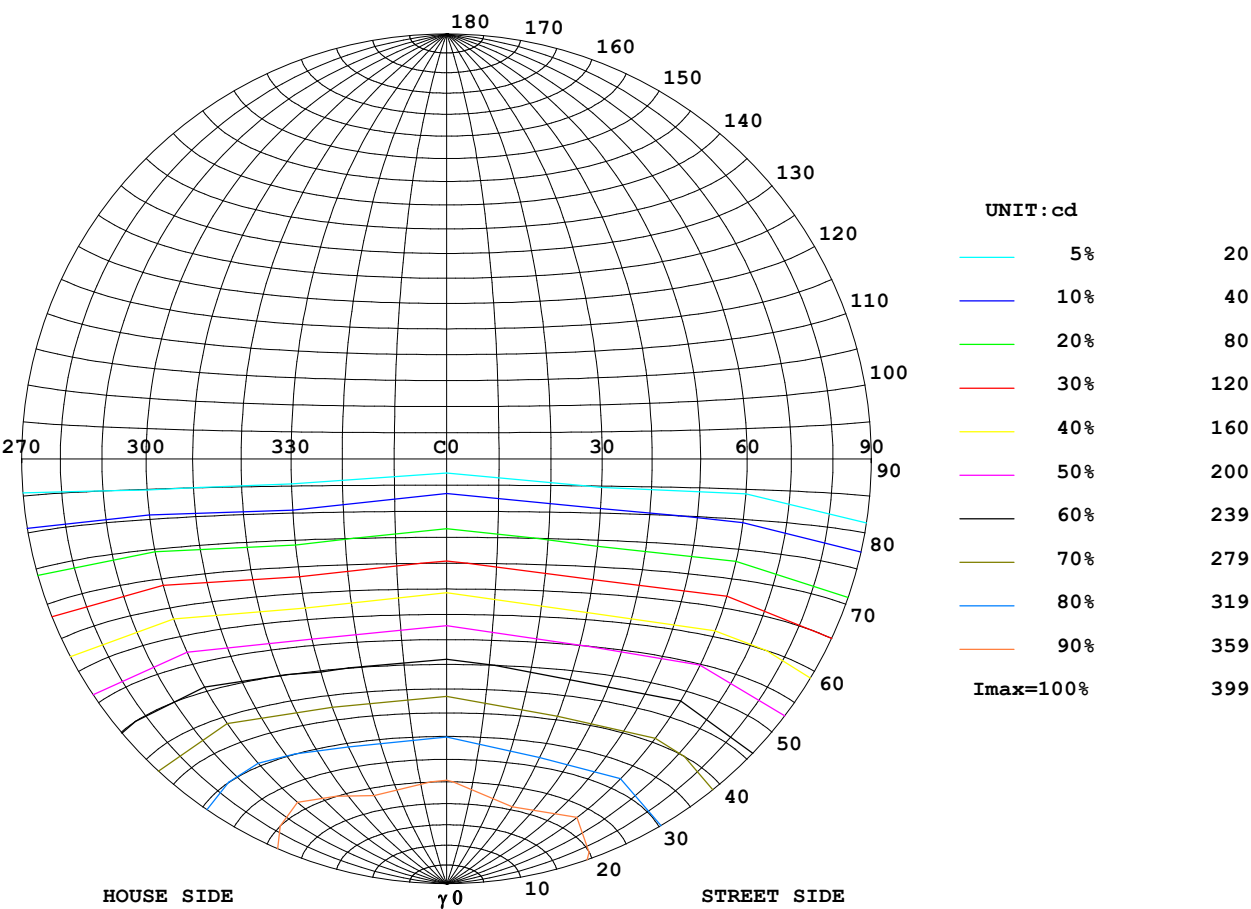
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 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:



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

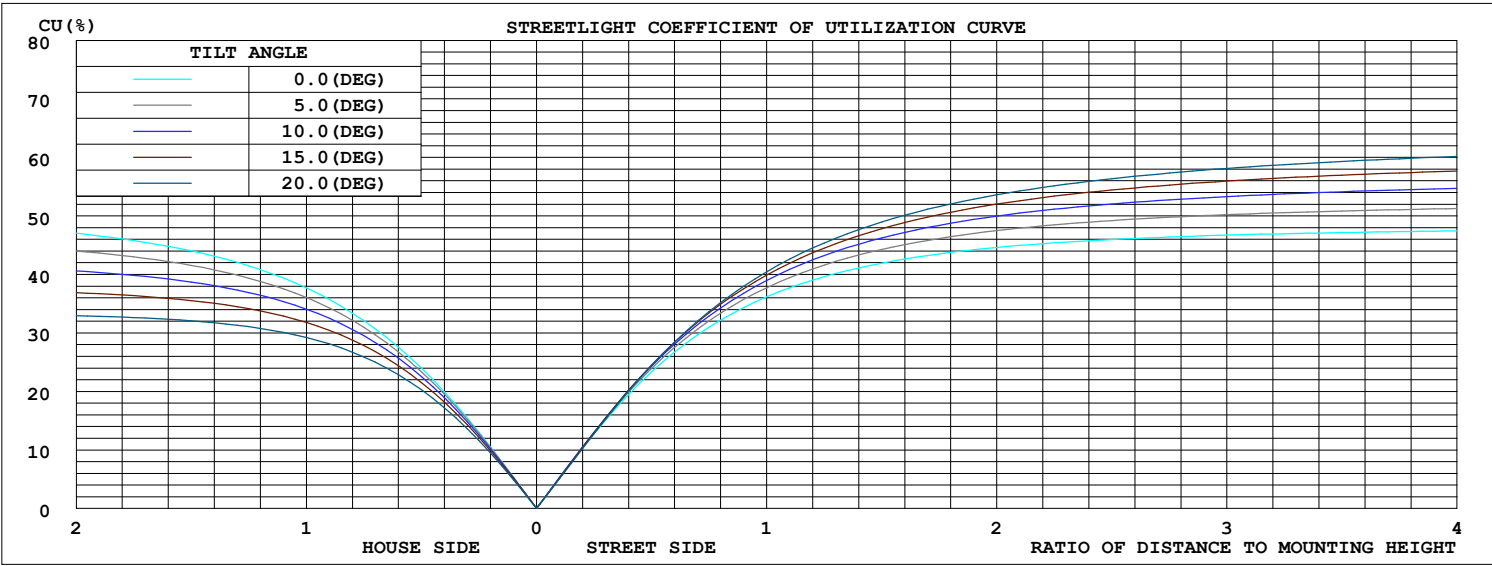
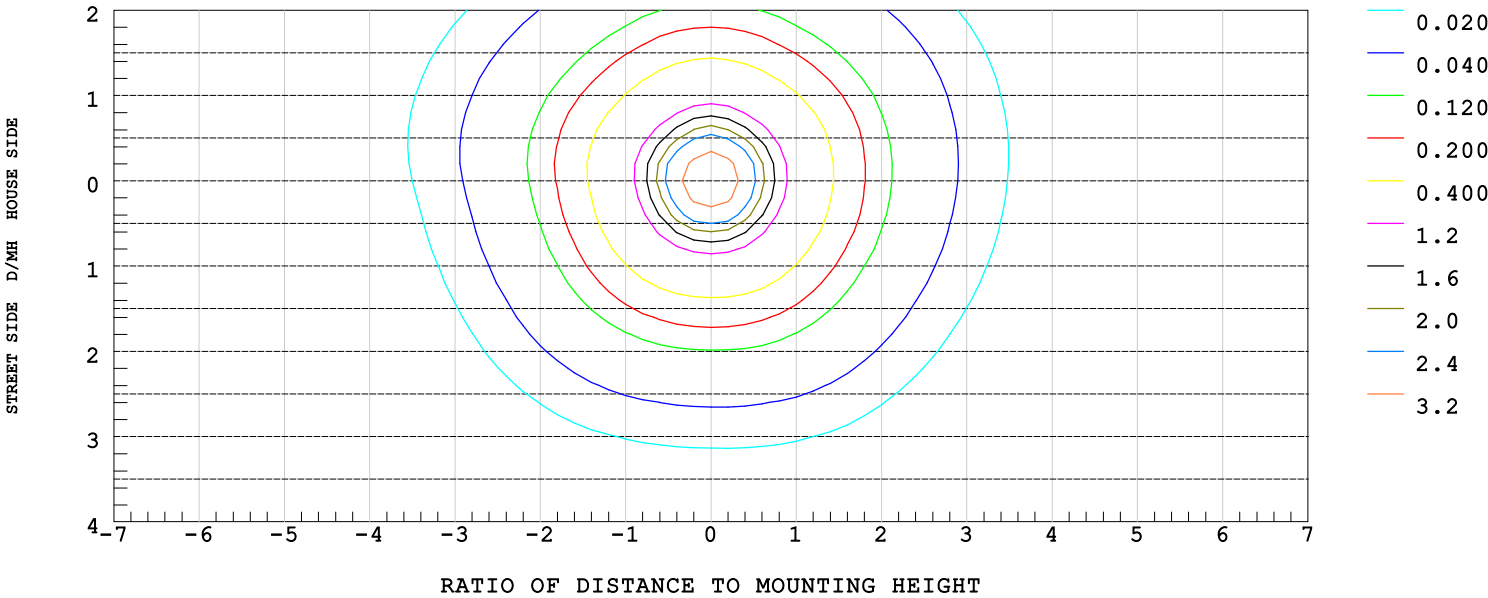
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 H-40 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 3.99 lx



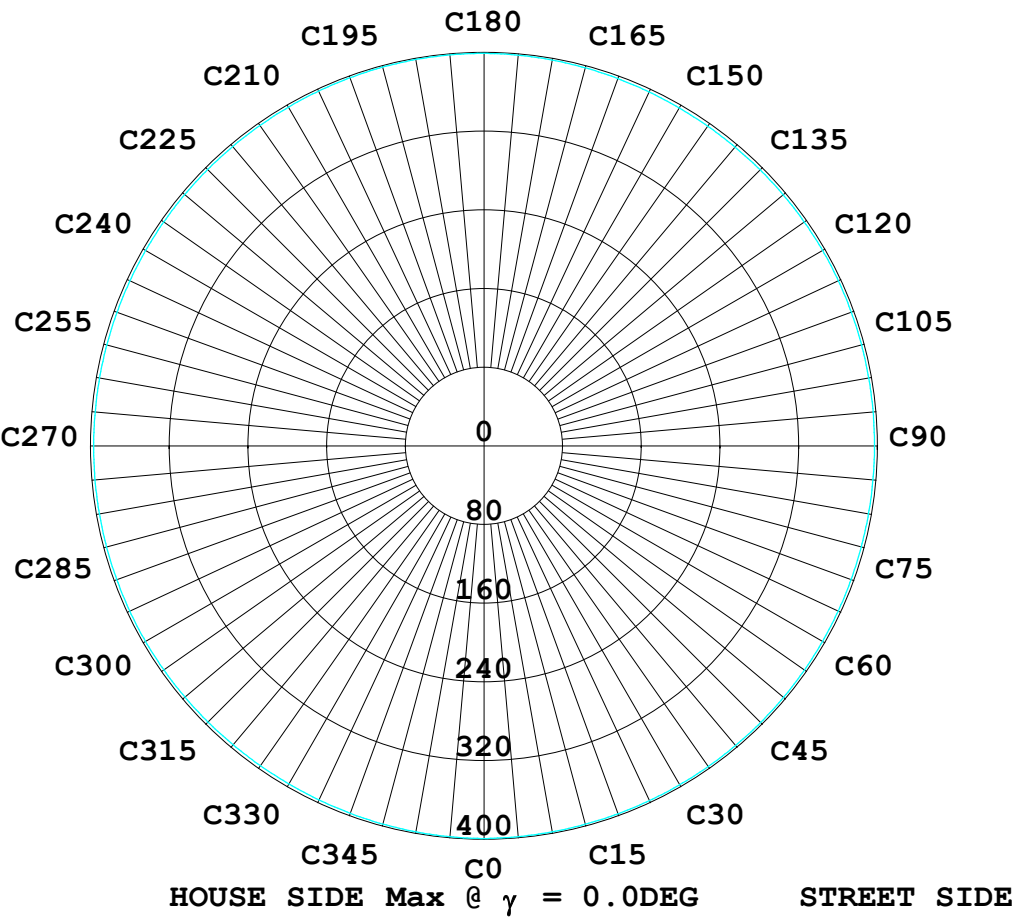
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 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:10.000 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-A-89, RIICO INDUSTRIAL AREA, KAROLI, BHIWADI,301019		
NAME: ALINA 140	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: HC POWER 300 MA	DIMENSION: D-140 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	399	398	397	397	398	397	399	398	397	397	398	397
5.0	398	395	395	393	395	394	397	397	397	397	397	397
10.0	393	389	389	388	389	388	392	394	393	395	393	393
15.0	385	373	380	371	380	373	378	387	380	388	380	387
20.0	374	361	368	357	369	361	367	378	369	378	369	377
25.0	360	346	352	341	353	346	353	365	355	365	354	364
30.0	343	327	328	321	328	327	336	349	337	348	337	348
35.0	318	307	307	299	308	307	316	324	317	322	316	323
40.0	296	283	283	274	284	283	294	303	293	299	293	302
45.0	272	257	257	246	258	258	269	278	267	273	267	277
50.0	245	230	229	217	230	230	242	251	238	244	238	250
55.0	217	200	198	186	200	201	214	223	208	214	208	222
60.0	186	168	166	153	168	169	183	192	175	181	175	191
65.0	155	137	133	120	135	138	151	160	141	146	141	159
70.0	122	104	99.2	86.0	101	105	120	127	108	112	107	127
75.0	89.8	72.2	66.0	53.2	67.9	74.0	87.4	94.5	73.5	76.8	73.4	94.0
80.0	59.1	44.0	36.5	24.4	38.4	45.5	56.8	63.5	42.3	43.3	42.2	63.0
85.0	30.5	18.7	16.9	7.30	18.0	19.9	29.4	36.0	21.1	19.3	21.0	35.5
90.0	7.70	3.30	6.20	2.70	6.20	2.90	8.20	11.7	6.60	7.60	6.30	11.1

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