

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

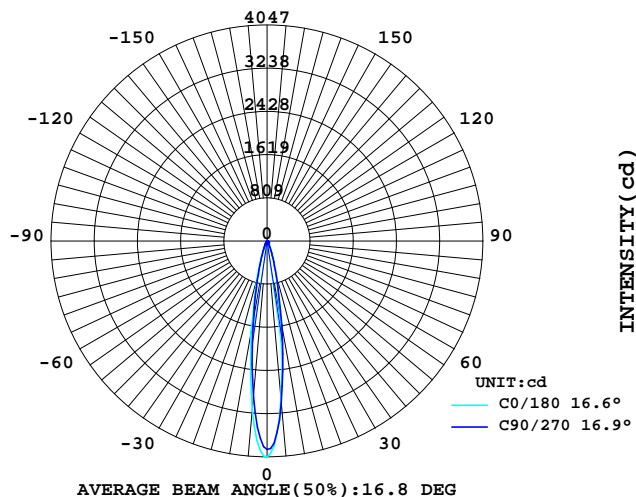
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

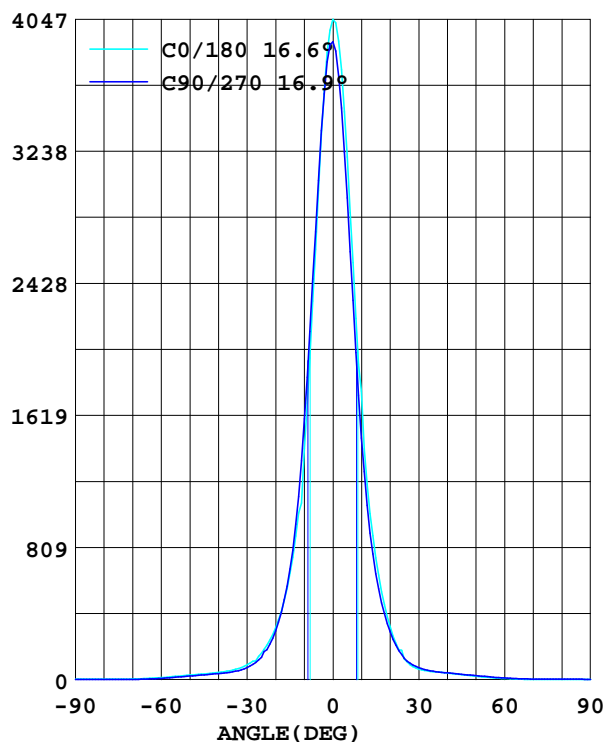
MANUFACTURER:Brilliance LED, LLC			
Address:			
NAME:PAR36 7W 3000K 15 Degree		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

DATA OF LAMP		Imax(cd)	4047	S/MH(C0/180)	0.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.30
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	596.20	Voltage(V)	12.44
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	596.2	η up(%)	1.5	Power(W)	0
LAMPS QUANTITY	1	η down(%)	98.5	Power Factor(PF)	0
TEST VOLTAGE(V)	12.4	Effective Flux(lm)	415.2	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

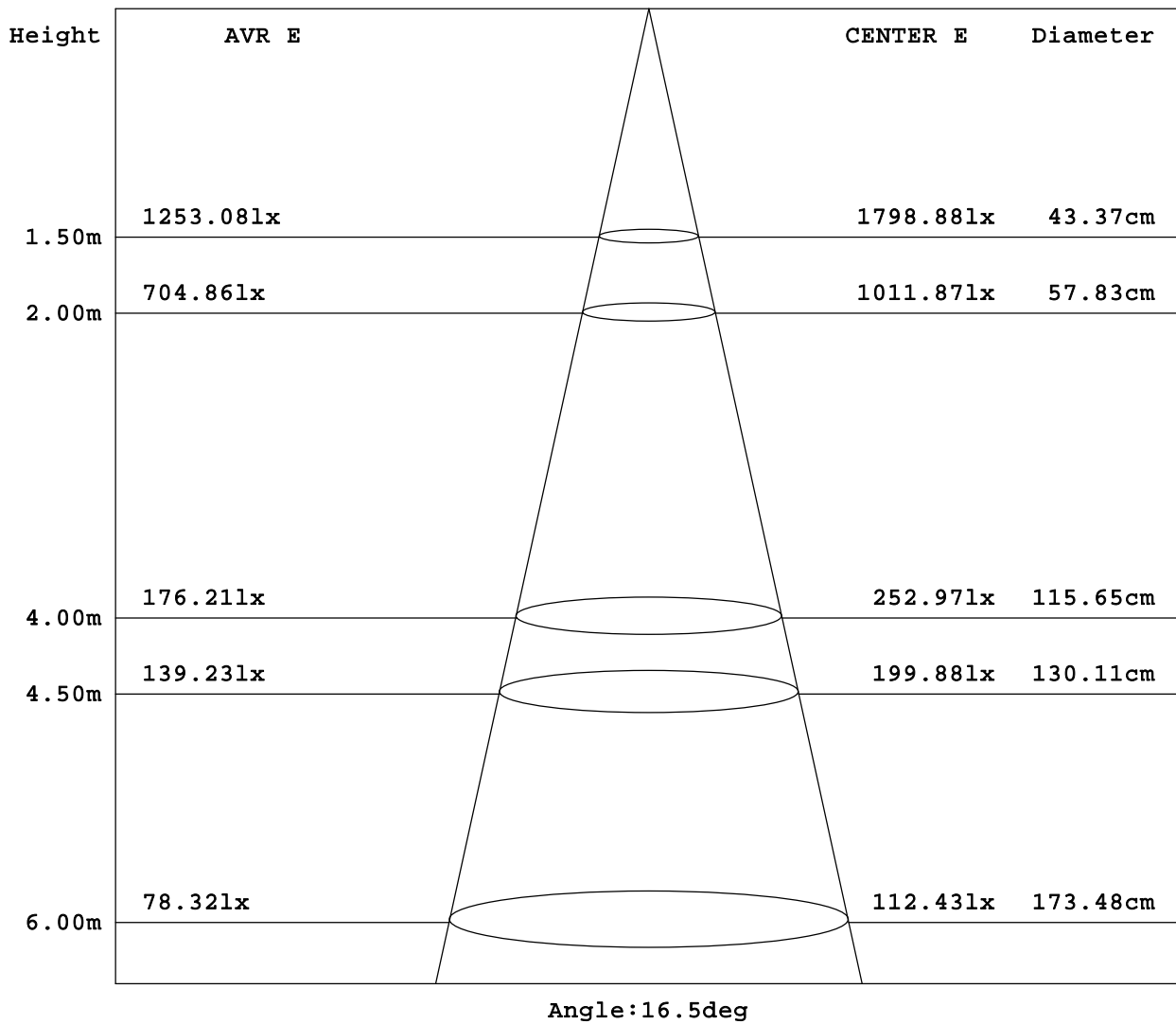
Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1



Test System: HOPOO HPG1600
Temperature: 25.3DEG
Operators:
Test Date: 2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 8.000 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

γ	C0	C90	C180	C270					γ	zone	total
5.0	2998	3060	3203	2951					0- 5	83.51	83.51
10.0	1417	1598	1769	1480					5- 10	156.3	239.8
15.0	651.5	678.6	747.2	648.5					10- 15	121.1	361.0
20.0	316.7	296.9	323.9	294.0					15- 20	76.34	437.3
25.0	161.8	136.9	127.2	131.3					20- 25	44.25	481.6
30.0	90.94	74.49	64.63	72.95					25- 30	25.60	507.2
35.0	58.17	47.68	49.02	51.13					30- 35	18.10	525.3
40.0	43.52	36.99	39.61	41.53					35- 40	15.14	540.4
45.0	34.94	29.37	29.44	32.51					40- 45	13.29	553.7
50.0	27.64	21.69	20.60	24.89					45- 50	11.14	564.9
55.0	19.96	13.95	11.90	15.87					50- 55	8.486	573.4
60.0	12.28	7.360	6.848	10.36					55- 60	5.623	579.0
65.0	7.168	3.904	2.944	5.504					60- 65	3.355	582.3
70.0	3.968	1.216	1.280	3.584					65- 70	1.770	584.1
75.0	2.944	0.512	0.704	2.752					70- 75	1.085	585.2
80.0	2.432	0.320	0.512	2.304					75- 80	0.819	586.0
85.0	2.240	0.192	0.512	2.048					80- 85	0.714	586.7
90.0	2.048	0.192	0.512	1.920					85- 90	0.663	587.4
95.0	1.920	0.256	0.576	1.728					90- 95	0.625	588.0
100.0	1.792	0.256	0.576	1.664					95-100	0.592	588.6
105.0	1.664	0.320	0.576	1.536					100-105	0.559	589.2
110.0	1.600	0.320	0.576	1.536					105-110	0.533	589.7
115.0	1.472	0.320	0.704	1.472					110-115	0.502	590.2
120.0	1.472	0.320	0.704	1.408					115-120	0.477	590.7
125.0	1.472	0.384	0.832	1.344					120-125	0.453	591.1
130.0	1.408	0.448	0.896	1.344					125-130	0.436	591.6
135.0	1.472	0.576	1.024	1.408					130-135	0.432	592.0
140.0	1.600	0.768	1.280	1.600					135-140	0.447	592.4
145.0	1.984	1.152	1.728	1.984					140-145	0.501	592.9
150.0	2.496	1.728	2.304	2.560					145-150	0.582	593.5
155.0	3.072	2.368	2.944	3.072					150-155	0.650	594.2
160.0	3.456	2.752	3.392	3.520					155-160	0.646	594.8
165.0	3.648	3.072	3.712	3.712					160-165	0.564	595.4
170.0	3.712	3.136	3.840	3.776					165-170	0.426	595.8
175.0	3.584	3.008	3.712	3.520					170-175	0.255	596.1
180.0	3.520	3.008	3.648	3.392					175-180	0.082	596.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

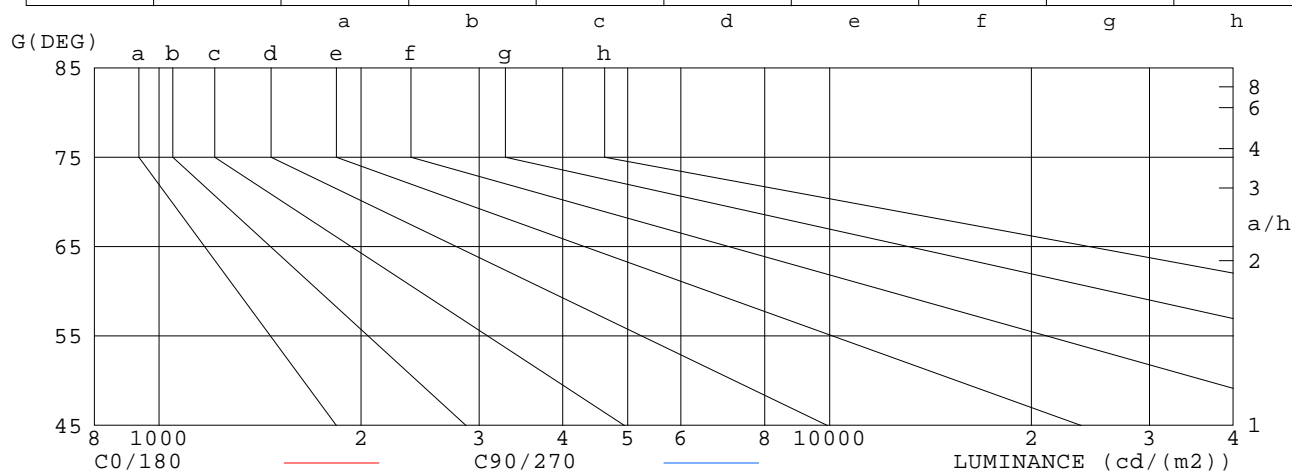
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
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	257	22
80	140	18
75	114	20
70	116	36
65	170	92
60	246	147
55	348	243
50	430	338
45	494	415

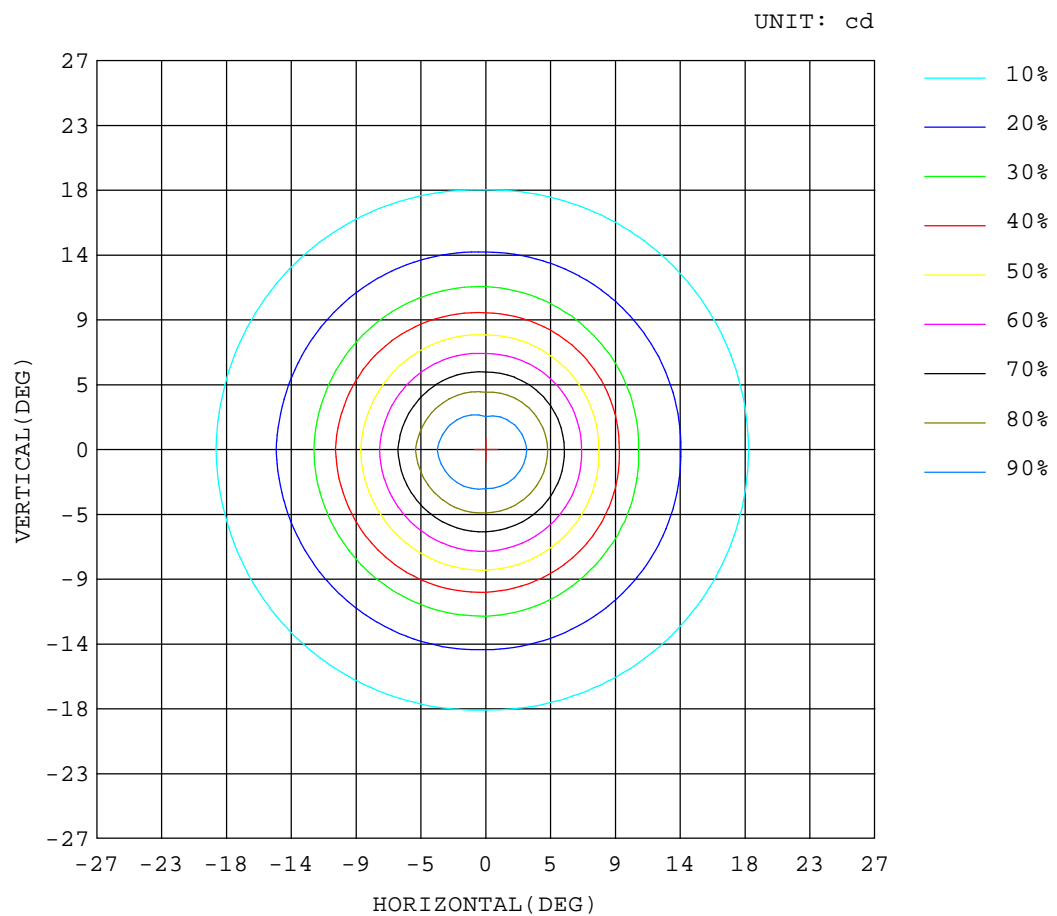
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1



Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

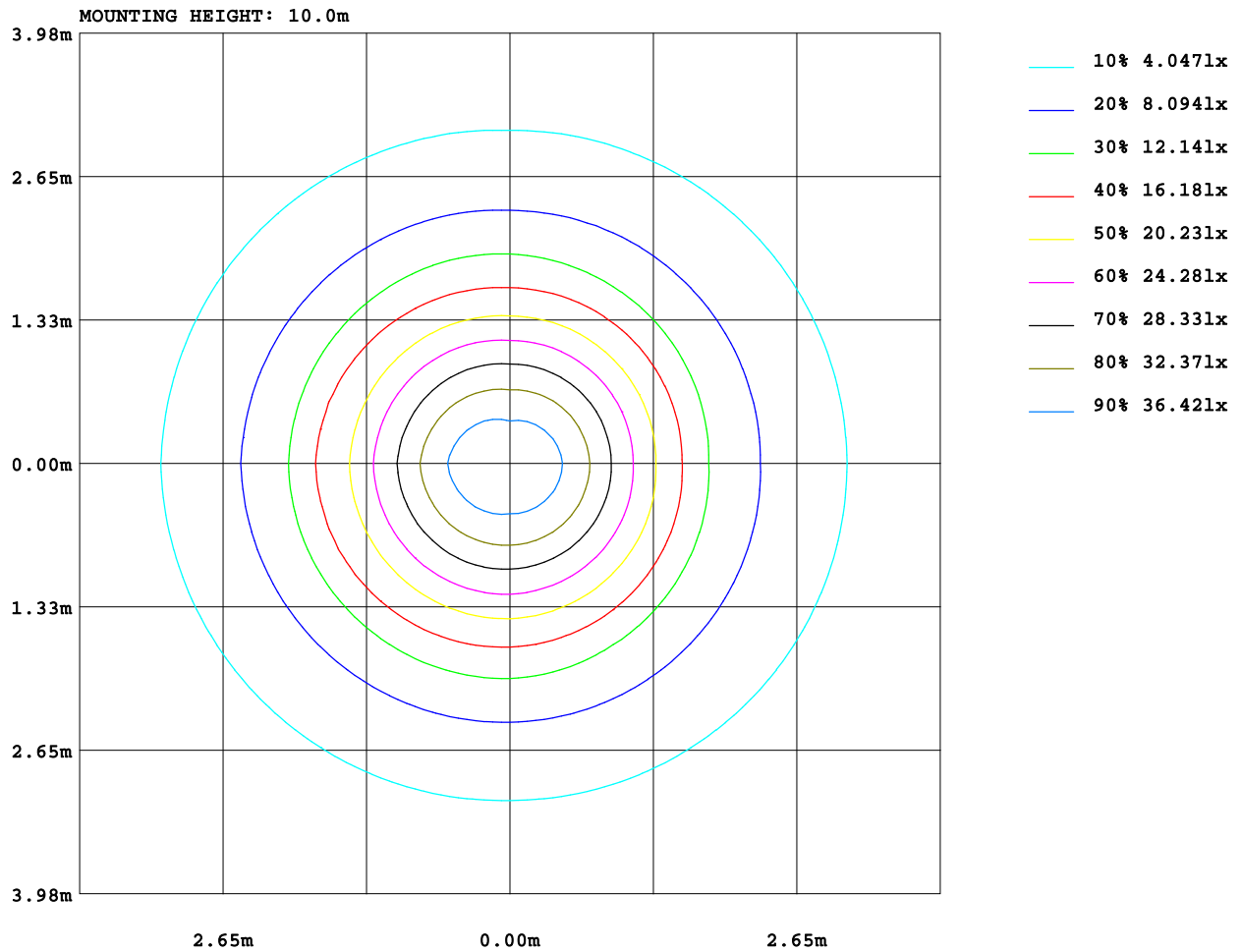
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

27	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
	0.12	0.14	0.16	0.18	0.22	0.25	0.29	0.32	0.34	0.34	0.33	0.31	0.27	0.24	0.21	0.18	0.15	0.13	4.18	0.00		
24	0.13	0.16	0.19	0.24	0.30	0.38	0.45	0.50	0.53	0.54	0.51	0.46	0.40	0.33	0.27	0.22	0.18	0.15	5.94	0.00		
21	0.15	0.18	0.24	0.33	0.45	0.58	0.71	0.82	0.87	0.87	0.81	0.72	0.59	0.47	0.37	0.28	0.22	0.18	8.85	0.00		
18	0.17	0.22	0.33	0.48	0.67	0.90	1.13	1.31	1.41	1.40	1.28	1.10	0.89	0.68	0.51	0.37	0.27	0.21	13.3	6.42		
15	0.19	0.28	0.45	0.66	0.98	1.35	1.75	2.09	2.28	2.26	2.02	1.67	1.28	0.95	0.68	0.48	0.33	0.24	19.9	15.0		
12	0.22	0.36	0.57	0.90	1.36	1.96	2.65	3.35	3.76	3.68	3.17	2.48	1.81	1.27	0.88	0.60	0.41	0.28	29.7	25.6		
9	0.25	0.44	0.71	1.15	1.80	2.70	3.95	5.14	5.86	5.78	4.89	3.54	2.44	1.63	1.08	0.72	0.48	0.31	42.9	39.2		
VERTICAL (DEG)	0.28	0.49	0.83	1.38	2.21	3.51	5.30	7.16	8.33	8.22	6.85	4.82	3.00	1.96	1.25	0.82	0.54	0.35	57.3	53.9		
	0.30	0.53	0.91	1.53	2.48	4.13	6.25	8.70	10.2	10.1	8.30	5.69	3.40	2.16	1.36	0.88	0.57	0.37	67.9	64.7		
	0.30	0.53	0.91	1.53	2.49	4.15	6.30	8.77	10.3	10.2	8.37	5.73	3.42	2.16	1.36	0.88	0.57	0.37	68.4	65.2		
	0.28	0.50	0.83	1.39	2.23	3.56	5.41	7.32	8.58	8.48	7.01	4.93	3.05	1.98	1.26	0.82	0.54	0.35	58.5	55.1		
	0.25	0.44	0.71	1.16	1.82	2.75	4.07	5.35	6.16	6.08	5.10	3.66	2.49	1.65	1.09	0.72	0.48	0.32	44.3	40.6		
-9	0.22	0.37	0.57	0.91	1.38	1.99	2.73	3.49	3.97	3.90	3.31	2.56	1.85	1.29	0.89	0.60	0.42	0.28	30.7	26.6		
-12	0.19	0.29	0.46	0.67	0.99	1.37	1.79	2.16	2.38	2.36	2.10	1.71	1.31	0.96	0.68	0.49	0.34	0.25	20.5	15.4		
-15	0.17	0.23	0.34	0.49	0.67	0.91	1.14	1.34	1.45	1.44	1.31	1.12	0.90	0.69	0.52	0.38	0.27	0.21	13.6	6.95		
-18	0.15	0.19	0.25	0.34	0.47	0.59	0.72	0.83	0.89	0.89	0.83	0.73	0.60	0.49	0.38	0.29	0.23	0.18	9.02	0.00		
-21	0.13	0.16	0.19	0.24	0.31	0.40	0.47	0.53	0.55	0.56	0.53	0.48	0.42	0.34	0.28	0.23	0.18	0.15	6.14	0.00		
-24	0.12	0.13	0.16	0.19	0.22	0.26	0.30	0.33	0.36	0.36	0.34	0.32	0.28	0.25	0.21	0.18	0.15	0.13	4.28	0.00		
-27																						
-27 -24 -21 -18 -15 -12 -9 -6 HORIZONTAL (DEG) 6 9 12 15 18 21 24 27																						
Φ t	3.64	5.62	8.78	13.8	21.0	31.7	45.4	59.5	68.3	67.5	57.1	42.0	28.4	19.5	13.3	9.12	6.34	4.45	596			
Φ a	0.00	0.00	0.72	7.76	16.5	27.5	41.6	56.0	64.8	63.9	53.4	38.0	23.9	14.1	6.58	0.00	0.00	0.00		415		

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

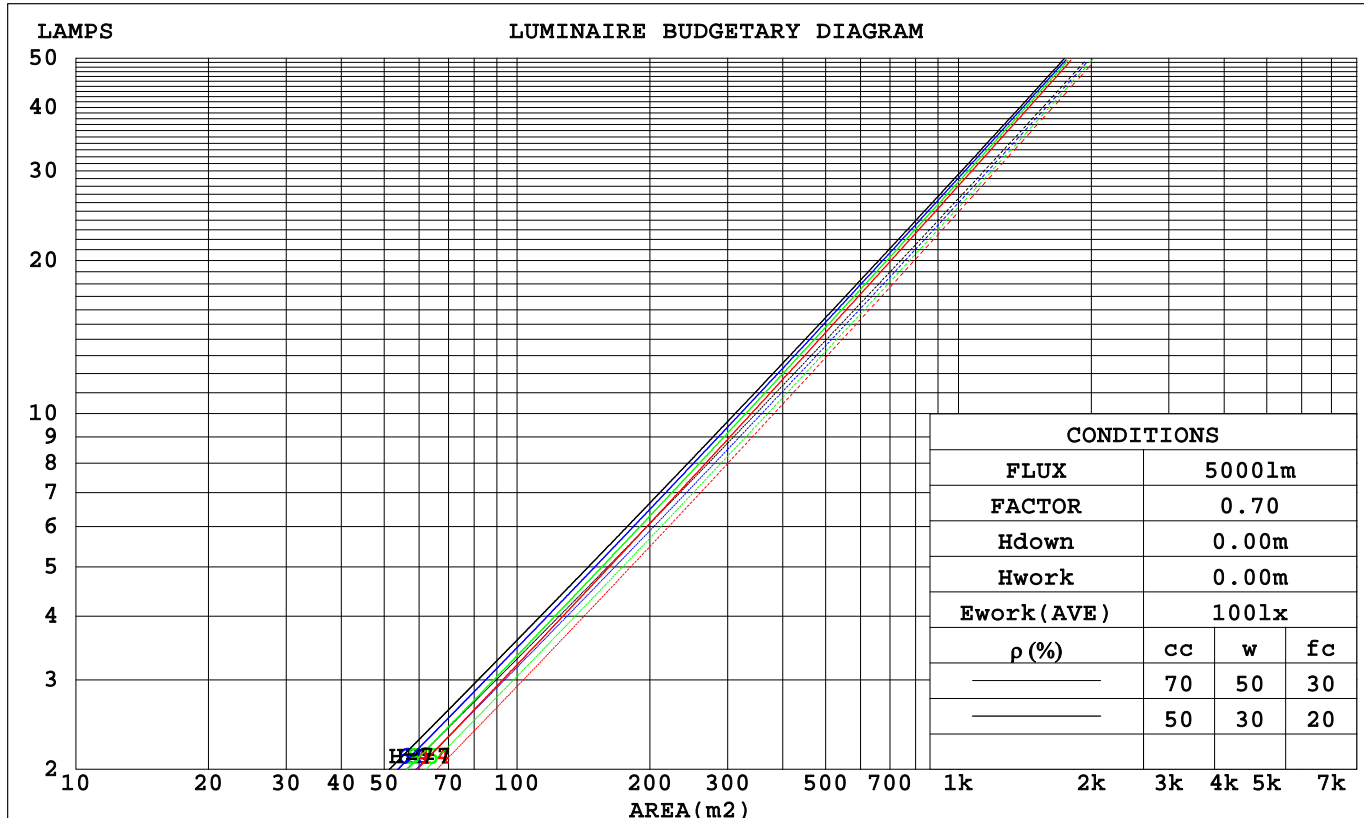
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: PAR36-15°-3000K-7W						TYPE:			WEIGHT:		
SPECIFICATION:				CCT(K): 3000			DIMENSION:			SERIAL No.: 1	

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.150	.085	.027	.143	.081	.026	.129	.074	.024	.117	.068	.022	.106	.061	.020	
2.0	.139	.076	.023	.133	.073	.023	.122	.068	.021	.112	.063	.020	.102	.058	.018	
3.0	.129	.069	.021	.124	.067	.020	.115	.062	.019	.106	.058	.018	.098	.054	.017	
4.0	.121	.063	.018	.117	.061	.018	.109	.058	.017	.101	.054	.016	.094	.051	.016	
5.0	.113	.058	.017	.110	.056	.016	.103	.054	.016	.096	.051	.015	.090	.048	.015	
6.0	.107	.054	.015	.104	.052	.015	.098	.050	.015	.092	.048	.014	.087	.046	.014	
7.0	.101	.050	.014	.098	.049	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	
8.0	.096	.047	.013	.093	.046	.013	.088	.044	.013	.084	.043	.012	.080	.041	.012	
9.0	.091	.044	.012	.089	.043	.012	.084	.042	.012	.081	.040	.012	.077	.039	.011	
10.0	.086	.041	.012	.085	.041	.011	.081	.040	.011	.077	.038	.011	.074	.037	.011	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.181	.169	.158	.154	.145	.136	.106	.100	.094	.061	.058	.055	.019	.019	.018	
2.0	.163	.144	.128	.140	.124	.111	.096	.086	.077	.055	.050	.045	.018	.016	.015	
3.0	.149	.125	.106	.128	.108	.092	.088	.075	.064	.051	.044	.038	.016	.014	.012	
4.0	.137	.110	.089	.117	.095	.077	.081	.066	.054	.047	.039	.032	.015	.013	.011	
5.0	.126	.097	.076	.109	.084	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
6.0	.118	.088	.066	.101	.076	.058	.070	.053	.041	.040	.031	.024	.013	.010	.008	
7.0	.110	.080	.058	.095	.069	.051	.065	.048	.036	.038	.028	.021	.012	.009	.007	
8.0	.103	.073	.052	.089	.063	.045	.062	.044	.032	.036	.026	.019	.012	.009	.006	
9.0	.098	.067	.047	.084	.058	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
10.0	.092	.062	.042	.080	.054	.037	.055	.038	.026	.032	.023	.016	.010	.007	.005	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: PAR36-15°-3000K-7W						TYPE:		WEIGHT:			
SPECIFICATION:		CCT(K): 3000				DIMENSION:		SERIAL No.: 1			
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	3H	3.3	4.0	3.5	4.2	4.3	2.2	2.9	2.4	3.0	3.2
	4H	3.5	4.1	3.8	4.4	4.6	2.2	2.8	2.4	3.0	3.2
	6H	3.6	4.2	3.9	4.4	4.7	2.1	2.7	2.4	3.0	3.2
	8H	3.7	4.3	4.0	4.5	4.8	2.0	2.6	2.3	2.9	3.1
	12H	3.8	4.4	4.1	4.6	4.9	2.0	2.6	2.3	2.8	3.1
	12H	4.0	4.5	4.3	4.8	5.1	1.9	2.5	2.3	2.8	3.1
4H 2H	3H	3.3	3.9	3.6	4.2	4.4	2.3	2.9	2.6	3.2	3.4
	4H	3.6	4.1	3.9	4.4	4.7	2.3	2.9	2.7	3.2	3.5
	6H	3.7	4.2	4.0	4.5	4.8	2.3	2.8	2.6	3.1	3.4
	8H	3.9	4.3	4.3	4.7	5.0	2.2	2.6	2.6	3.0	3.4
	12H	4.1	4.5	4.5	4.8	5.2	2.2	2.6	2.6	2.9	3.3
	12H	4.4	4.7	4.8	5.1	5.6	2.1	2.5	2.5	2.9	3.3
8H 4H	6H	3.6	4.0	4.0	4.4	4.8	2.2	2.6	2.6	3.0	3.4
	8H	3.9	4.2	4.3	4.6	5.1	2.2	2.5	2.6	2.9	3.4
	12H	4.1	4.4	4.6	4.9	5.3	2.2	2.5	2.6	2.9	3.4
	12H	4.6	4.9	5.1	5.3	5.8	2.1	2.4	2.6	2.9	3.4
12H 4H	6H	3.5	3.9	4.0	4.3	4.7	2.2	2.6	2.6	2.9	3.4
	8H	3.8	4.1	4.3	4.6	5.0	2.2	2.5	2.6	2.9	3.4
	8H	4.1	4.4	4.6	4.9	5.4	2.2	2.4	2.7	2.9	3.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 1.0					+ 1.2 / - 1.9					
1.5H	+ 0.4 / - 0.6					+ 0.4 / - 0.7					
2.0H	+ 1.6 / - 2.1					+ 2.2 / - 3.2					

CIE Pub.117 Corrected 596.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

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) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	103	99	96	101	97	94	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

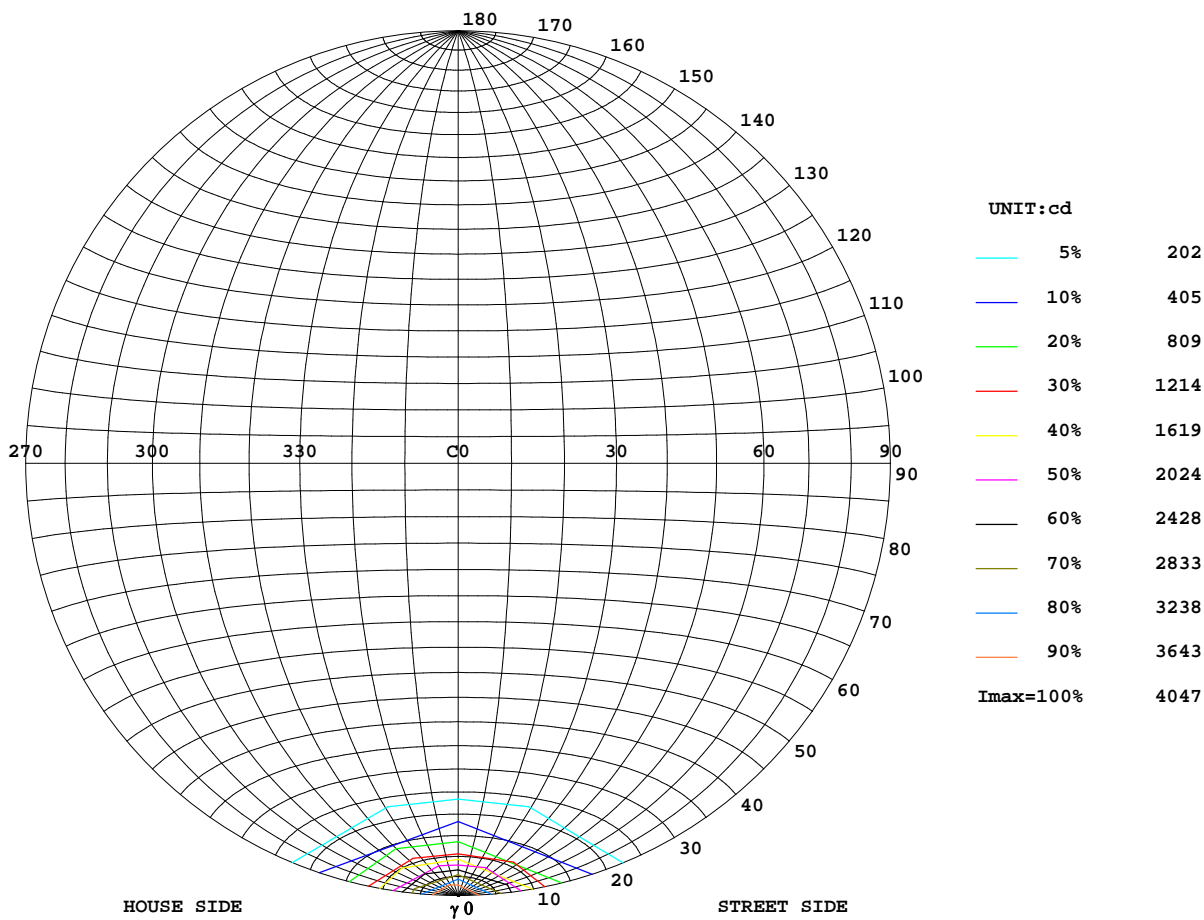
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1



Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

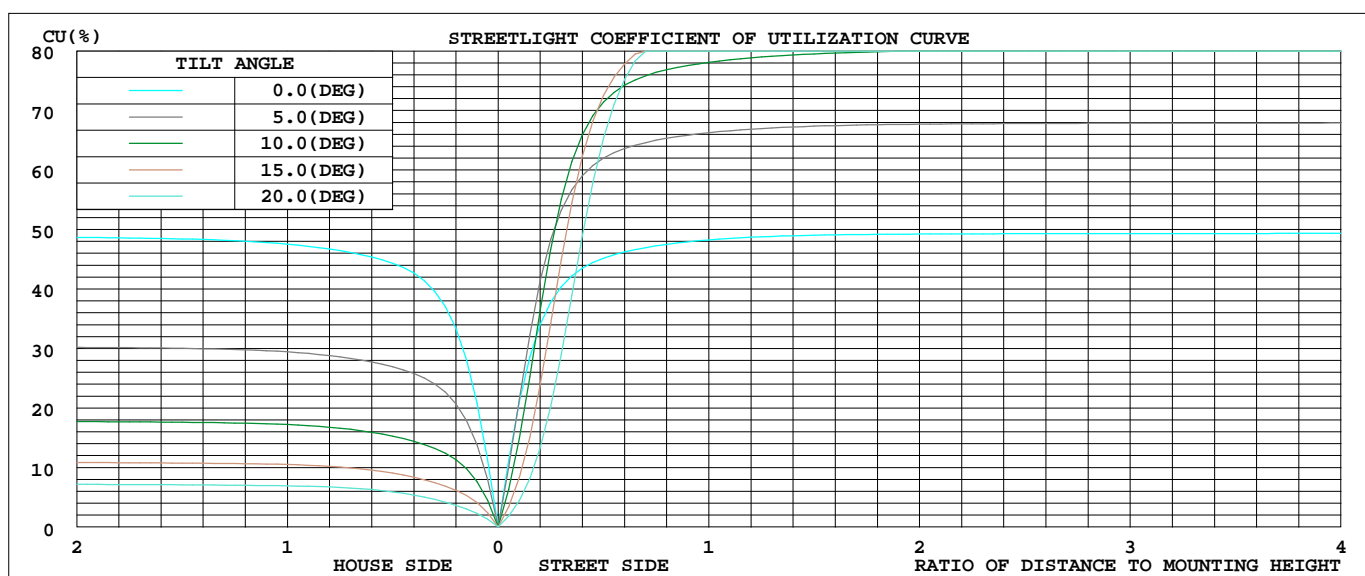
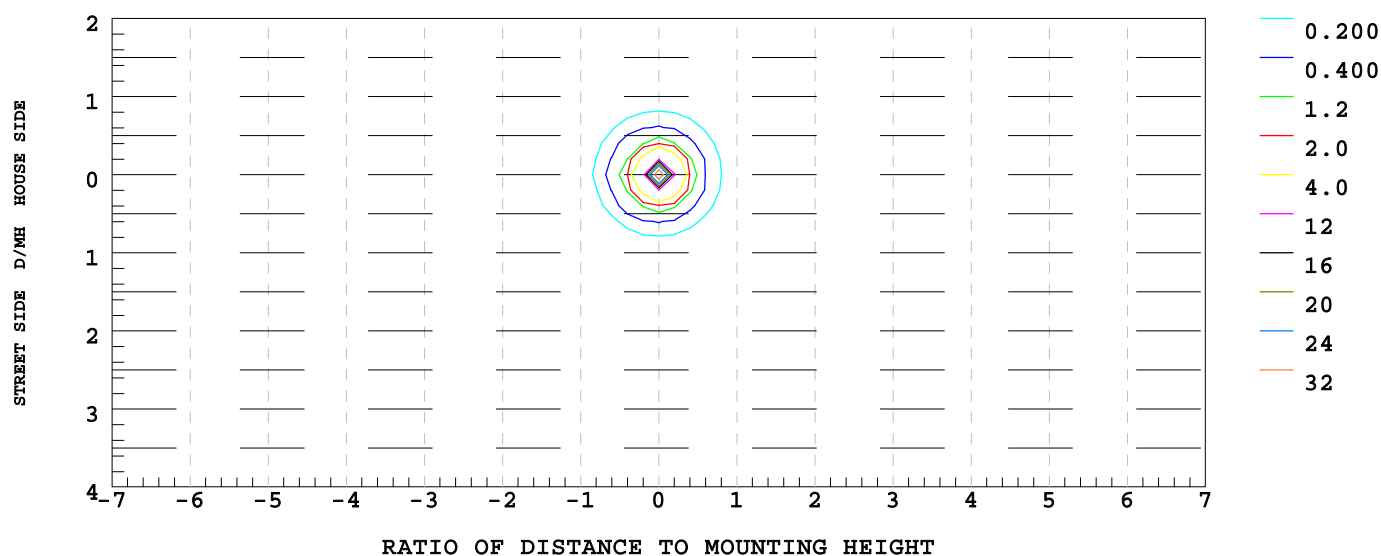
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

ILLUMINANCE AT MH=10 m,Enadir = 40.47 lx



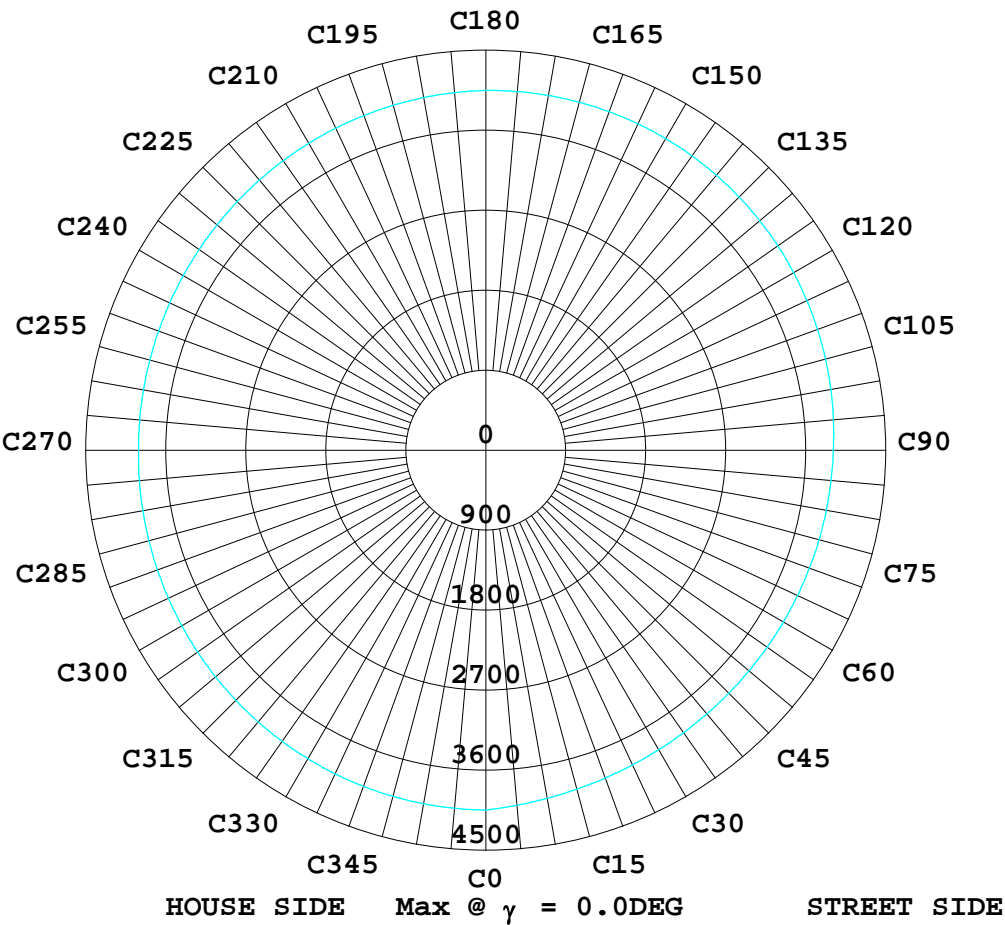
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1



Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: PAR36-15°-3000K-7W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.: 1

UNIT: cd

C(DEG) γ (DEG)	0	90	180	270
0.0	4047	3909	4047	3909
5.0	2998	3060	3203	2951
10.0	1417	1598	1769	1480
15.0	652	679	747	649
20.0	317	297	324	294
25.0	162	137	127	131
30.0	90.9	74.4	64.6	72.9
35.0	58.1	47.6	49.0	51.1
40.0	43.5	36.9	39.6	41.5
45.0	34.9	29.3	29.4	32.5
50.0	27.6	21.6	20.6	24.8
55.0	19.9	13.9	11.9	15.8
60.0	12.2	7.36	6.84	10.3
65.0	7.16	3.90	2.94	5.50
70.0	3.96	1.21	1.28	3.58
75.0	2.94	0.51	0.70	2.75
80.0	2.43	0.32	0.51	2.30
85.0	2.24	0.19	0.51	2.04
90.0	2.04	0.19	0.51	1.92
95.0	1.92	0.26	0.58	1.72
100.0	1.79	0.26	0.58	1.66
105.0	1.66	0.32	0.58	1.53
110.0	1.60	0.32	0.58	1.53
115.0	1.47	0.32	0.70	1.47
120.0	1.47	0.32	0.70	1.40
125.0	1.47	0.38	0.83	1.34
130.0	1.40	0.45	0.90	1.34
135.0	1.47	0.58	1.02	1.40
140.0	1.60	0.77	1.28	1.60
145.0	1.98	1.15	1.72	1.98
150.0	2.49	1.72	2.30	2.56
155.0	3.07	2.36	2.94	3.07
160.0	3.45	2.75	3.39	3.52
165.0	3.64	3.07	3.71	3.71
170.0	3.71	3.13	3.84	3.77
175.0	3.58	3.00	3.71	3.52
180.0	3.52	3.00	3.64	3.39

Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2020年05月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: