

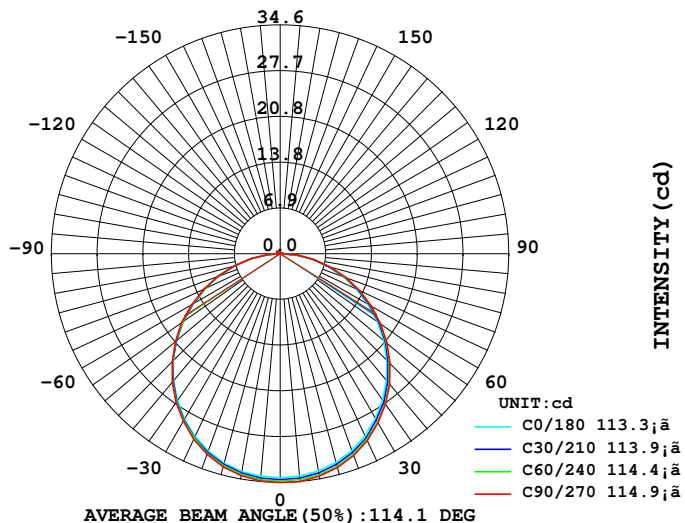
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: GO2018-061

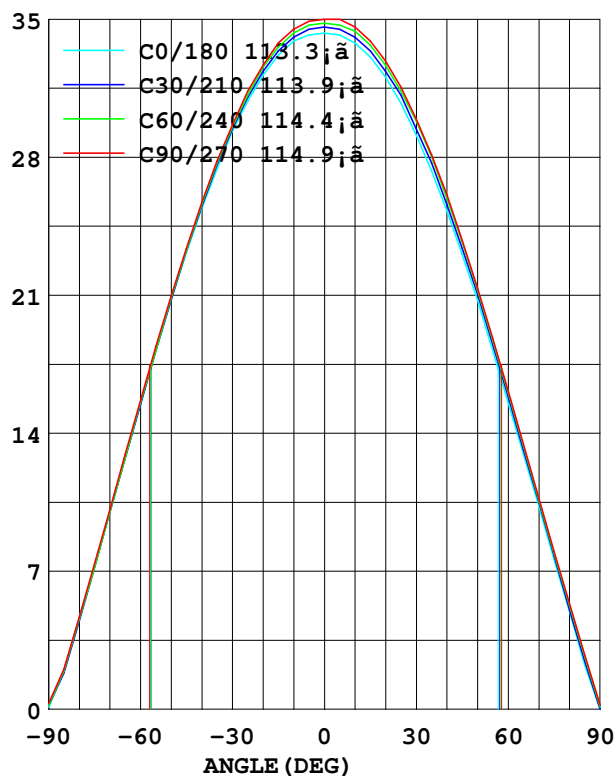
MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:

DATA OF LAMP		Imax(cd)	34.90	S/MH (C0/180)	1.27
MODEL	ROUND PILL_3W_DIAM76.5 mm	EFFICIENCY(%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER(W)	2.9	TOTAL FLUX(lm)	102.96	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	35.5	Current(A)	0.120
NOMINAL FLUX(lm)	103.0	$\eta$ up(%)	1.1	Power(W)	2.900
LAMPS QUANTITY	1	$\eta$ down(%)	98.8	Power Factor(PF)	0.399
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	100.4	EEI	0.243

### LUMINOUS INTENSITY DISTRIBUTION



### LUMINOUS INTENSITY DISTRIBUTION



Test System: LSG-1800  
 Temperature: 25.3 DEG  
 Operators: G  
 Test Date: 03-06-2018

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

**ZONAL FLUX DIAGRAM**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
10.0	33.50	33.59	34.09	34.09	33.39	34.00	34.20	34.40	0- 10	3.272	3.272
20.0	31.79	31.70	32.30	32.30	31.70	32.60	32.50	32.79	10- 20	9.406	12.67
30.0	29.00	28.60	29.30	29.19	28.79	29.90	29.60	30.10	20- 30	14.28	26.96
40.0	25.09	24.60	25.40	25.09	25.00	26.19	25.79	26.10	30- 40	17.24	44.21
50.0	20.50	19.79	20.70	20.40	20.50	21.69	21.10	21.50	40- 50	17.93	62.14
60.0	15.29	14.59	15.50	15.20	15.40	16.50	16.00	16.30	50- 60	16.35	78.49
70.0	9.900	9.200	10.00	9.700	10.20	11.10	10.59	10.80	60- 70	12.81	91.31
80.0	4.600	3.900	4.600	4.300	4.900	5.700	5.300	5.300	70- 80	7.929	99.24
90.0	0.100	0	0.300	0	0	0.500	0.200	0.300	80- 90	2.555	101.8
100.0	0.300	0	0.500	0	0	0	0	0.200	90-100	0.120	101.9
110.0	0.500	0.200	0.600	0.200	0	0.200	0.100	0.300	100-110	0.193	102.1
120.0	0.500	0.300	0.600	0.300	0.300	0.400	0.300	0.500	110-120	0.324	102.4
130.0	0.600	0.300	0.600	0.400	0.300	0.100	0.200	0.500	120-130	0.359	102.7
140.0	0	0	0.300	0	0.100	0	0	0.200	130-140	0.163	102.9
150.0	0	0	0	0	0	0	0	0	140-150	0.010	102.9
160.0	0	0	0	0	0	0	0	0	150-160	0	102.9
170.0	0	0	0	0	0	0	0	0	160-170	0	102.9
180.0	0	0	0	0	0	0	0	0	170-180	0	102.9
DEG	LUMINOUS INTENSITY: cd									UNIT: lm	

**Test System: LSG-1800**  
**Temperature: 25.3 DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

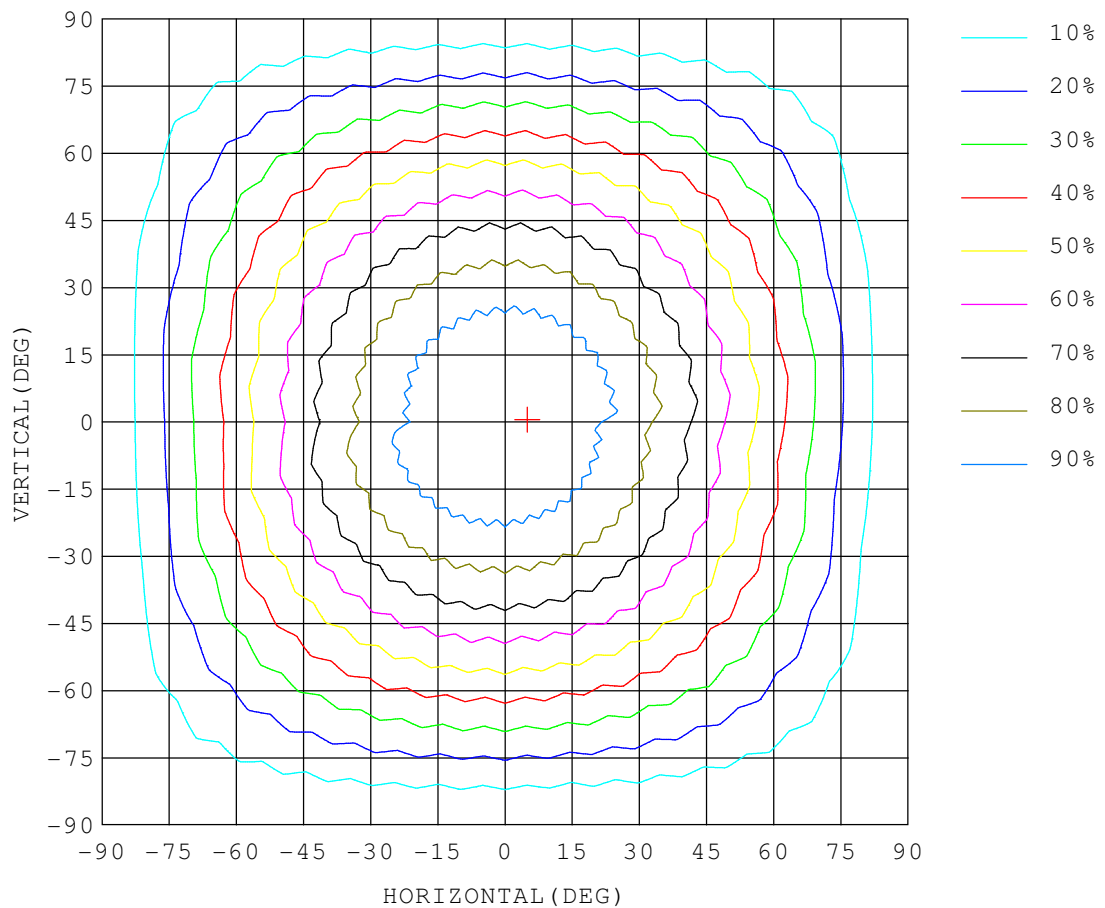
**Test Set: 5.0deg/s C-Gamma (TYPE C)**  
**Humidity: 65.0%**  
**Test Distance: 10.000 m**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Report number: GO2018-061

<b>MANUFACTURER:</b> BACKLIGHT SRL	<b>Address:</b> Via Volta 5 - Ornago (MB)	
<b>NAME:</b> ROUND PILL_3W_DIAM76.5 mm	<b>TYPE:</b> wall	<b>WEIGHT:</b>
<b>SPECIFICATION:</b> wall	<b>DIMENSION:</b> 76.5x21	<b>SERIAL No.:</b>

UNIT: cd



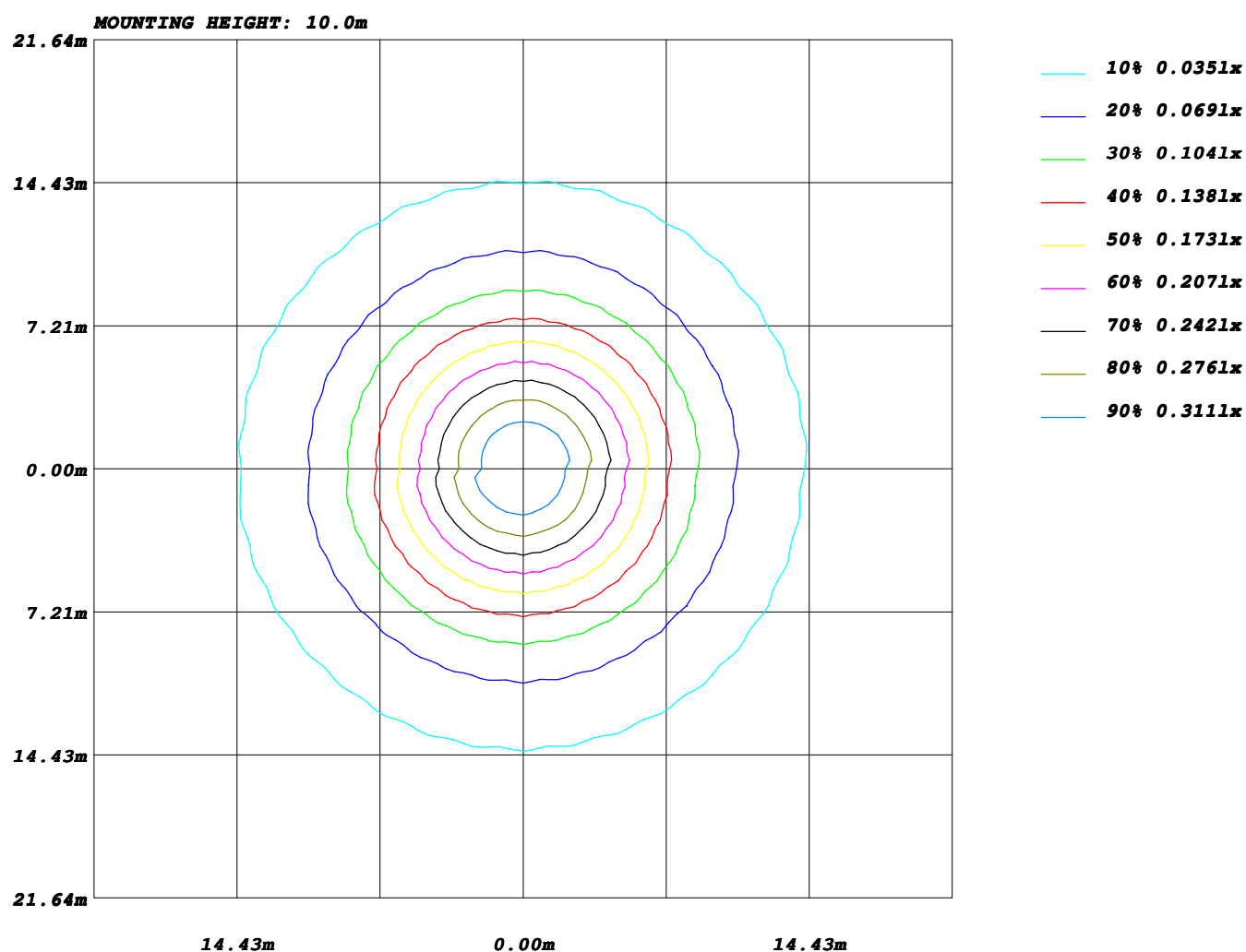
**Test System:**LSG-1800  
**Temperature:**25.3DEG  
**Operators:**G  
**Test Date:**03-06-2018

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

**ISOLUX DIAGRAM**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:



**Test System: LSG-1800**  
**Temperature: 25.3DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

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

**AREA LUMINOUS FLUX**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT: lm	Φ t	Φ a
	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.09	0.09	0.08	0.07	0.05	0.04	0.02	0.01	0.00	0.00	0.78	0.32
90	0.00	0.02	0.04	0.08	0.12	0.17	0.20	0.23	0.25	0.25	0.23	0.20	0.16	0.11	0.07	0.04	0.01	0.00	2.19	2.08
80	0.00	0.03	0.07	0.13	0.20	0.27	0.34	0.39	0.41	0.41	0.38	0.33	0.27	0.19	0.12	0.06	0.02	0.00	3.63	3.59
70	0.01	0.04	0.10	0.18	0.28	0.38	0.47	0.53	0.57	0.57	0.53	0.46	0.37	0.27	0.17	0.09	0.03	0.00	5.04	5.01
60	0.01	0.04	0.12	0.22	0.35	0.47	0.58	0.67	0.72	0.72	0.67	0.58	0.47	0.34	0.22	0.11	0.04	0.01	6.34	6.32
50	0.01	0.05	0.14	0.26	0.41	0.55	0.69	0.79	0.84	0.85	0.79	0.69	0.55	0.40	0.26	0.14	0.05	0.01	7.45	7.44
40	0.01	0.06	0.15	0.29	0.45	0.62	0.77	0.88	0.94	0.95	0.88	0.77	0.62	0.45	0.29	0.15	0.05	0.01	8.33	8.32
30	0.01	0.06	0.17	0.31	0.48	0.66	0.82	0.94	1.00	1.01	0.95	0.83	0.66	0.48	0.31	0.16	0.06	0.01	8.92	8.91
20	0.01	0.06	0.17	0.32	0.50	0.68	0.84	0.96	1.03	1.04	0.98	0.85	0.68	0.50	0.32	0.17	0.06	0.01	9.18	9.18
10	0.01	0.06	0.17	0.32	0.50	0.69	0.86	0.98	1.04	1.02	0.96	0.83	0.67	0.48	0.31	0.16	0.06	0.01	9.11	9.10
0	0.01	0.06	0.17	0.32	0.49	0.67	0.83	0.94	1.00	0.99	0.93	0.80	0.64	0.47	0.30	0.15	0.05	0.01	8.81	8.80
-10	0.01	0.06	0.16	0.29	0.45	0.62	0.76	0.87	0.93	0.92	0.86	0.74	0.60	0.43	0.27	0.14	0.05	0.01	8.16	8.15
-20	0.01	0.05	0.14	0.26	0.40	0.54	0.67	0.77	0.82	0.81	0.76	0.66	0.53	0.38	0.24	0.12	0.05	0.00	7.22	7.21
-30	0.01	0.04	0.12	0.22	0.34	0.46	0.57	0.64	0.69	0.68	0.64	0.56	0.44	0.32	0.20	0.11	0.04	0.00	6.06	6.05
-40	0.00	0.03	0.09	0.17	0.26	0.36	0.44	0.50	0.54	0.53	0.50	0.43	0.35	0.25	0.16	0.08	0.03	0.00	4.74	4.71
-50	0.00	0.02	0.06	0.12	0.19	0.25	0.31	0.35	0.38	0.37	0.35	0.30	0.24	0.17	0.11	0.06	0.02	0.00	3.31	3.26
-60	0.00	0.01	0.04	0.07	0.11	0.14	0.18	0.20	0.21	0.21	0.19	0.17	0.13	0.10	0.06	0.03	0.01	0.00	1.86	1.70
-70	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	0.00	0.54	0.09
-80	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	0.00	0.54	0.09
-90	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	0.00	0.54	0.09
HORIZONTAL (DEG)																				
Φ t	0.10	0.71	1.92	3.61	5.59	7.62	9.44	10.8	11.5	11.5	10.7	9.31	7.45	5.41	3.44	1.78	0.63	0.08	103	
Φ a	0.04	0.63	1.84	3.54	5.52	7.55	9.36	10.7	11.4	11.4	10.6	9.23	7.37	5.33	3.36	1.70	0.54	0.02		100

**Test System: LSG-1800**  
**Temperature: 25.3 DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

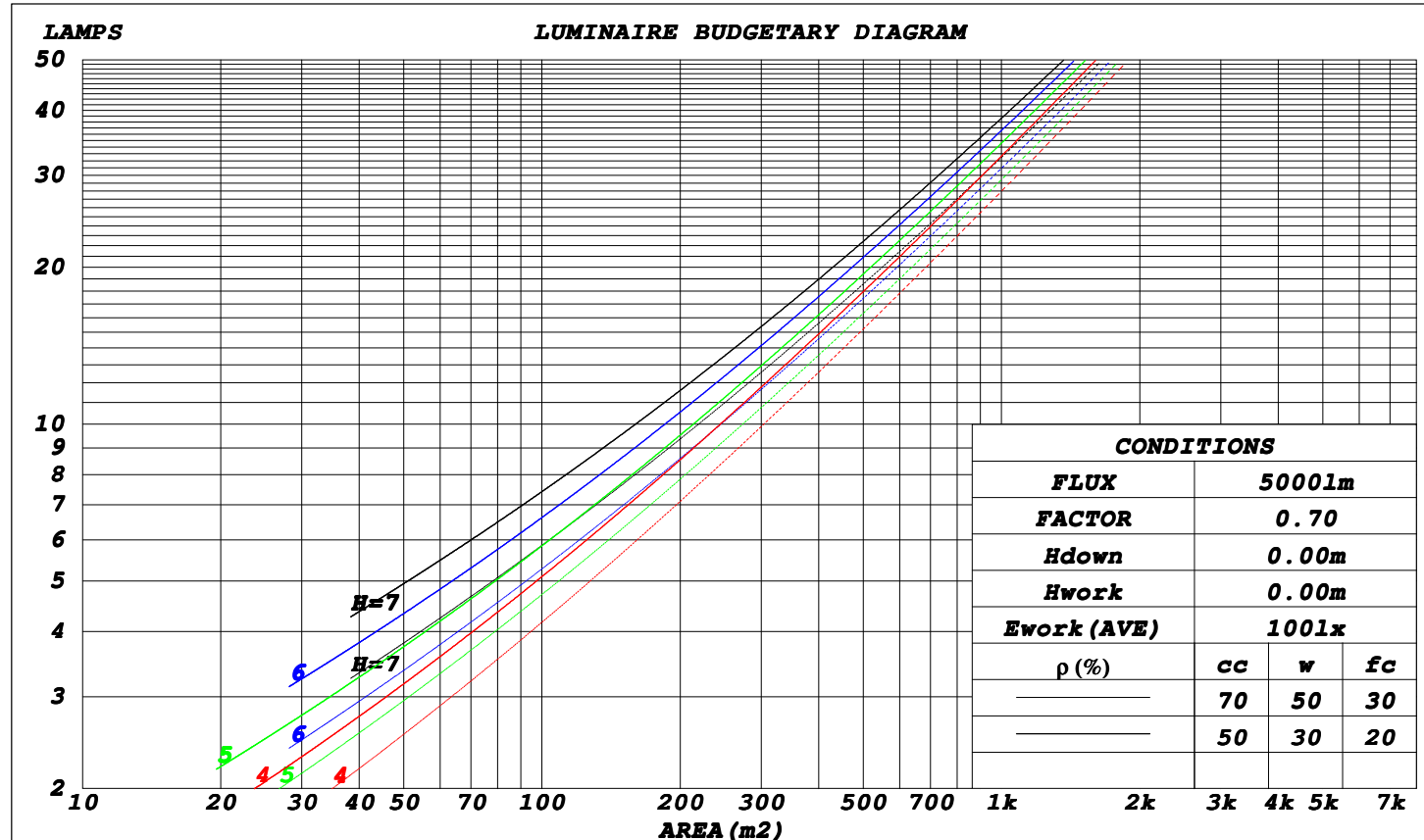
**Test Set: 5.0deg/s C-Gamma (TYPE C)**  
**Humidity: 65.0%**  
**Test Distance: 10.000 m**  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)				
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall			WEIGHT:	
SPECIFICATION: wall	DIMENSION: 76.5x21			SERIAL No.:	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.77	.87	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.29
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



Test System: LSG-1800  
 Temperature: 25.3DEG  
 Operators: G  
 Test Date: 03-06-2018

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

**WEC AND CCEC**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)				
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall			WEIGHT:	
SPECIFICATION: wall	DIMENSION: 76.5x21			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 <sub>c</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.320	.182	.058	.313	.178	.057	.299	.171	.055	.286	.165	.053	.274	.159	.051	
2.0	.298	.163	.050	.292	.161	.050	.279	.155	.048	.268	.150	.047	.257	.146	.046	
3.0	.275	.146	.044	.269	.144	.043	.258	.140	.042	.248	.136	.042	.238	.132	.041	
4.0	.252	.131	.039	.247	.129	.038	.238	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.211	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.184	.090	.026	.177	.089	.025	.171	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	

pcc	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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.190	.165	.142	.162	.141	.122	.111	.097	.085	.064	.056	.049	.020	.018	.016	
2.0	.182	.141	.106	.156	.121	.092	.107	.084	.064	.062	.049	.037	.020	.016	.012	
3.0	.174	.123	.082	.149	.106	.071	.102	.074	.050	.059	.043	.030	.019	.014	.010	
4.0	.166	.110	.067	.143	.095	.058	.098	.066	.041	.057	.039	.024	.018	.013	.008	
5.0	.159	.100	.056	.137	.086	.048	.094	.060	.034	.054	.035	.020	.018	.012	.007	
6.0	.152	.091	.048	.130	.079	.042	.090	.055	.029	.052	.033	.017	.017	.011	.006	
7.0	.145	.084	.042	.125	.073	.037	.086	.051	.026	.050	.030	.015	.016	.010	.005	
8.0	.138	.079	.037	.119	.068	.033	.082	.048	.023	.048	.028	.014	.016	.009	.005	
9.0	.132	.074	.034	.114	.064	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
10.0	.126	.069	.031	.109	.060	.027	.076	.042	.019	.044	.025	.012	.014	.008	.004	

**Test System: LSG-1800**  
**Temperature: 25.3 DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

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

## Uncorrected UGR Table

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL						Address:Via Volta 5 – Ornago (MB)										
NAME: ROUND PILL_3W_DIAM76.5 mm						TYPE:wall		WEIGHT:								
SPECIFICATION:wall						DIMENSION: 76.5x21		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						8.5	10.1	8.8	10.3	10.5	8.6	10.1	8.9	10.3	10.5	
						3H	10.1	11.5	10.4	11.8	12.0	10.2	11.6	10.5	11.8	12.1
						4H	10.8	12.1	11.1	12.4	12.7	10.8	12.1	11.1	12.4	12.7
						6H	11.2	12.5	11.6	12.8	13.1	11.3	12.5	11.6	12.8	13.1
						8H	11.3	12.5	11.7	12.8	13.1	11.4	12.6	11.7	12.9	13.2
						12H	11.3	12.5	11.7	12.8	13.2	11.4	12.6	11.8	12.9	13.2
4H						2H	9.2	10.5	9.5	10.8	11.1	9.2	10.5	9.5	10.8	11.1
						3H	10.9	12.1	11.3	12.4	12.7	10.9	12.1	11.3	12.4	12.8
						4H	11.7	12.8	12.1	13.1	13.5	11.7	12.8	12.1	13.1	13.5
						6H	12.3	13.2	12.7	13.6	14.0	12.3	13.3	12.7	13.6	14.0
						8H	12.4	13.3	12.8	13.7	14.1	12.4	13.3	12.9	13.7	14.1
						12H	12.4	13.3	12.9	13.7	14.1	12.5	13.3	13.0	13.8	14.2
8H						4H	12.0	12.9	12.4	13.3	13.7	12.0	12.9	12.4	13.3	13.7
						6H	12.7	13.4	13.1	13.8	14.3	12.7	13.4	13.2	13.9	14.3
						8H	12.8	13.5	13.3	13.9	14.4	12.9	13.6	13.4	14.0	14.5
						12H	13.0	13.5	13.5	14.0	14.5	13.0	13.6	13.5	14.1	14.6
12H						4H	12.0	12.8	12.4	13.2	13.6	12.0	12.8	12.4	13.2	13.7
						6H	12.7	13.3	13.2	13.8	14.3	12.7	13.4	13.2	13.8	14.3
						8H	12.9	13.5	13.4	13.9	14.4	13.0	13.5	13.5	14.0	14.5
Variations with the observer position at spacings:																
S = 1.0H						+ 0.1 / – 0.1					+ 0.1 / – 0.1					
1.5H						+ 0.1 / – 0.2					+ 0.2 / – 0.2					
2.0H						+ 0.2 / – 0.2					+ 0.2 / – 0.2					

CIE Pub.117 Corrected 103.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.9)

Test System: LSG-1800  
 Temperature: 25.3 DEG  
 Operators: G  
 Test Date: 03-06-2018

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



**UTILIZATION FACTORS TABLE**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	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	66	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	63	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	88	99	93	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SERNOM = 1.25		

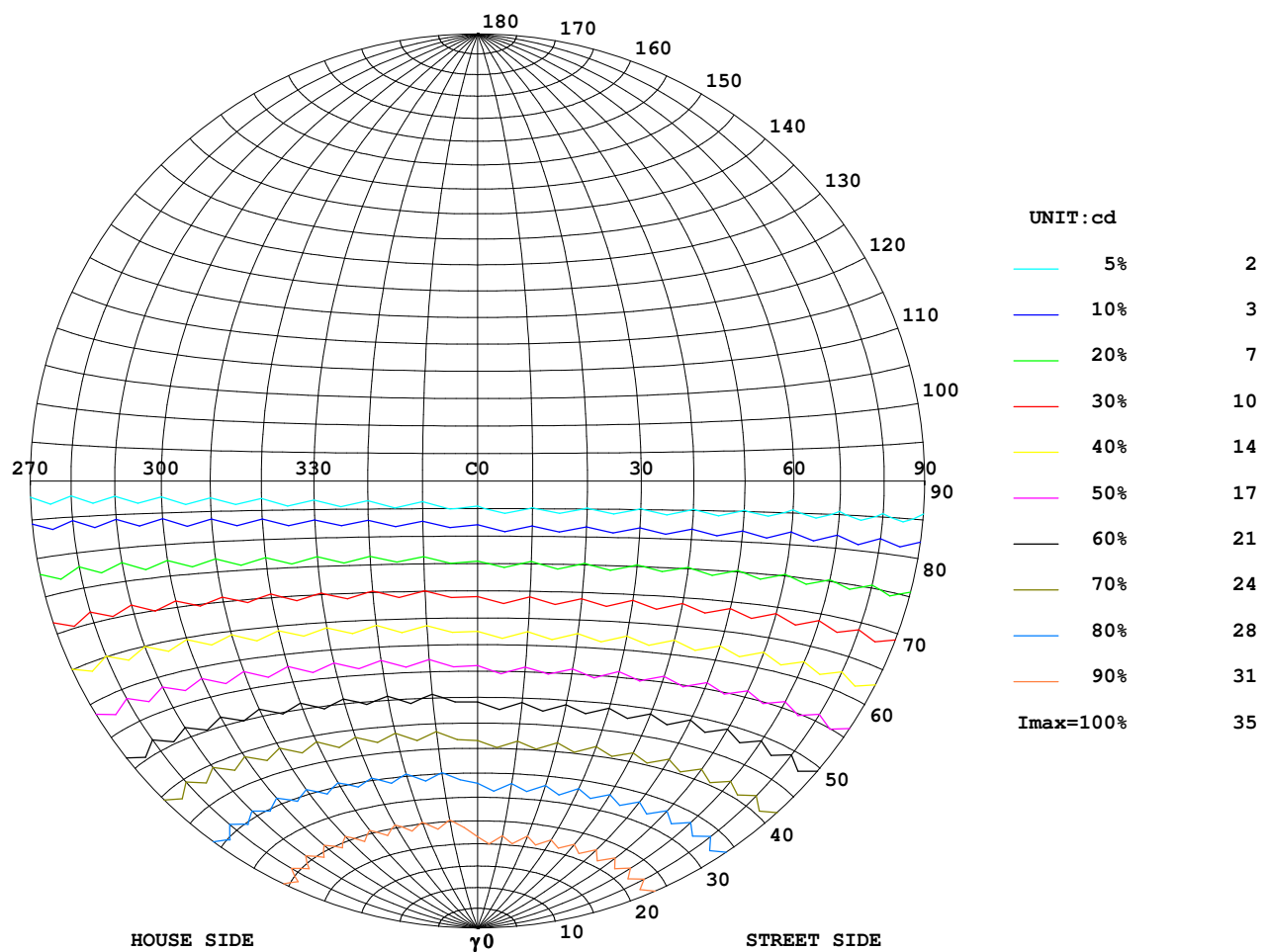
**Test System: LSG-1800**  
**Temperature: 25.3 DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

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

**ISOCANDELA DIAGRAM**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:



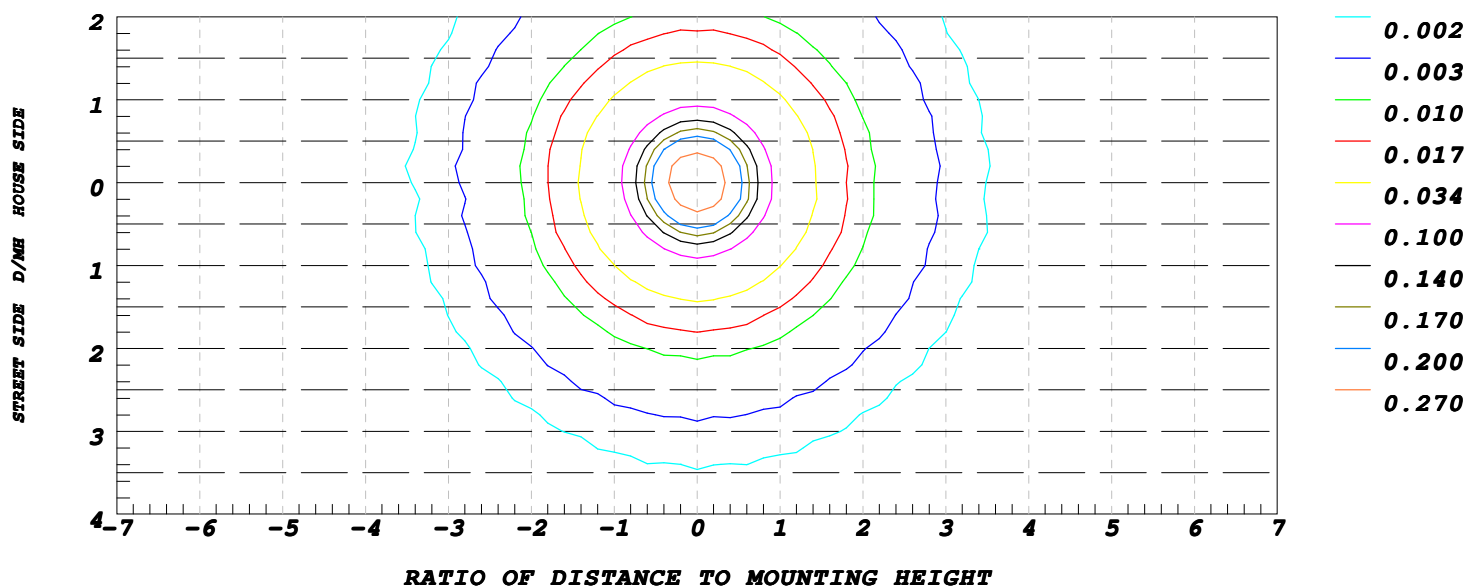
Test System: LSG-1800  
 Temperature: 25.3 DEG  
 Operators: G  
 Test Date: 03-06-2018

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

**ISOLUX DIAGRAM**

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:

**ILLUMINANCE AT MH=10 m, Enadir = 0.34 lx**

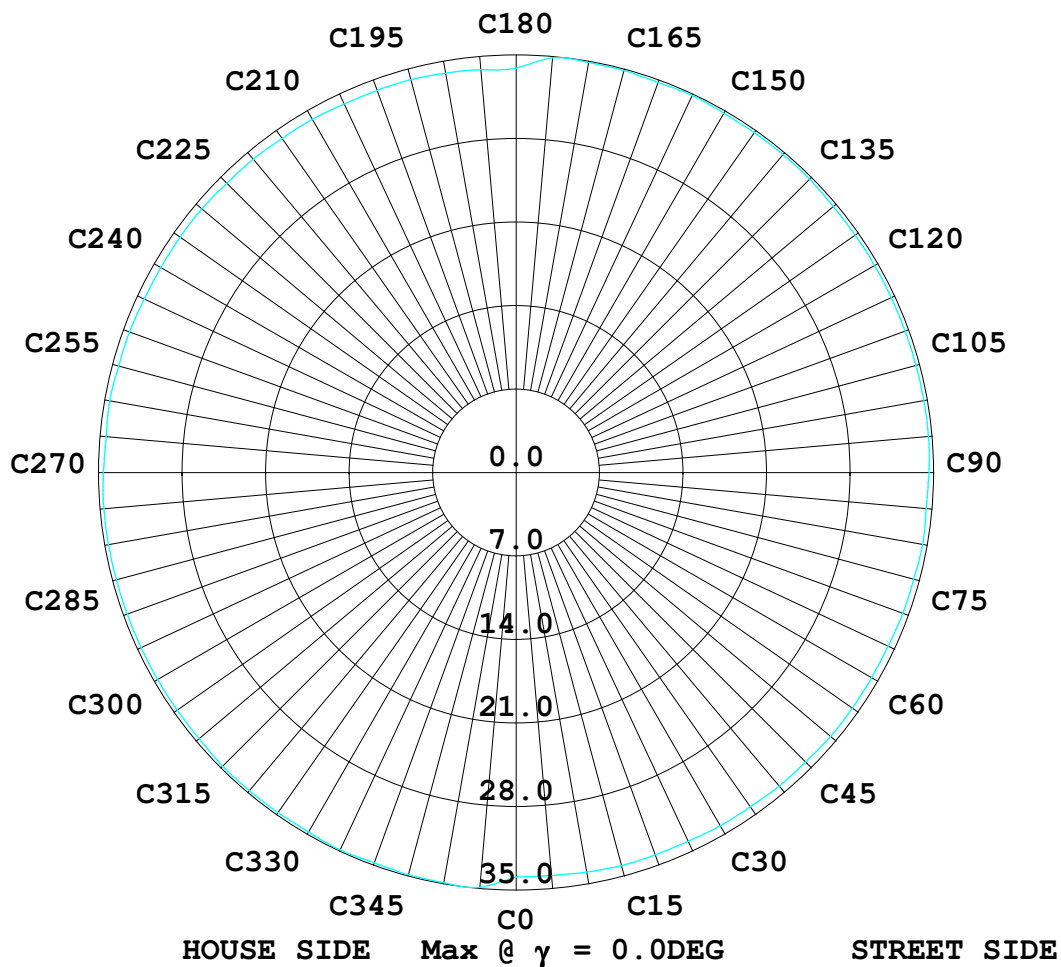
**Test System: LSG-1800**  
**Temperature: 25.3 DEG**  
**Operators: G**  
**Test Date: 03-06-2018**

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

## ISOCANDELA DIAGRAM

Report number: GO2018-061

MANUFACTURER: BACKLIGHT SRL	Address: Via Volta 5 - Ornago (MB)	
NAME: ROUND PILL_3W_DIAM76.5 mm	TYPE: wall	WEIGHT:
SPECIFICATION: wall	DIMENSION: 76.5x21	SERIAL No.:



Test System: LSG-1800  
 Temperature: 25.3DEG  
 Operators: G  
 Test Date: 03-06-2018

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