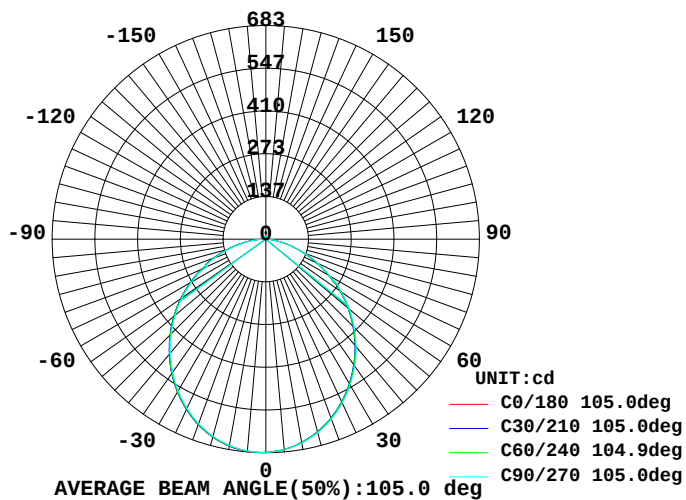


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Seiling 20W 3000K 1800lm 90Ra IP54		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2981	DIMENSION: 190x190x30	SERIAL No.:

MODEL:		Imax(cd):	683.1	Effective Flux(lm):	1807.9
NOMINAL POWER(W):	18	MAXIMUM(C, γ):	0, 1.0	EEI	0.136
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	1807.9	η street_up(%):	1.0	Current(A)	0.087
TEST FLUX(lm):	1807.9	η street_down(%):	49.9	Power(W)	17.99
LAMPS QUANTITY:	1	η house_up(%)	1.0	Power Factor	0.932
TOTAL RADIANT(mw):	1807.9	η house_down(%)	48.1	EEFICIENCY(lm/W)	100.5



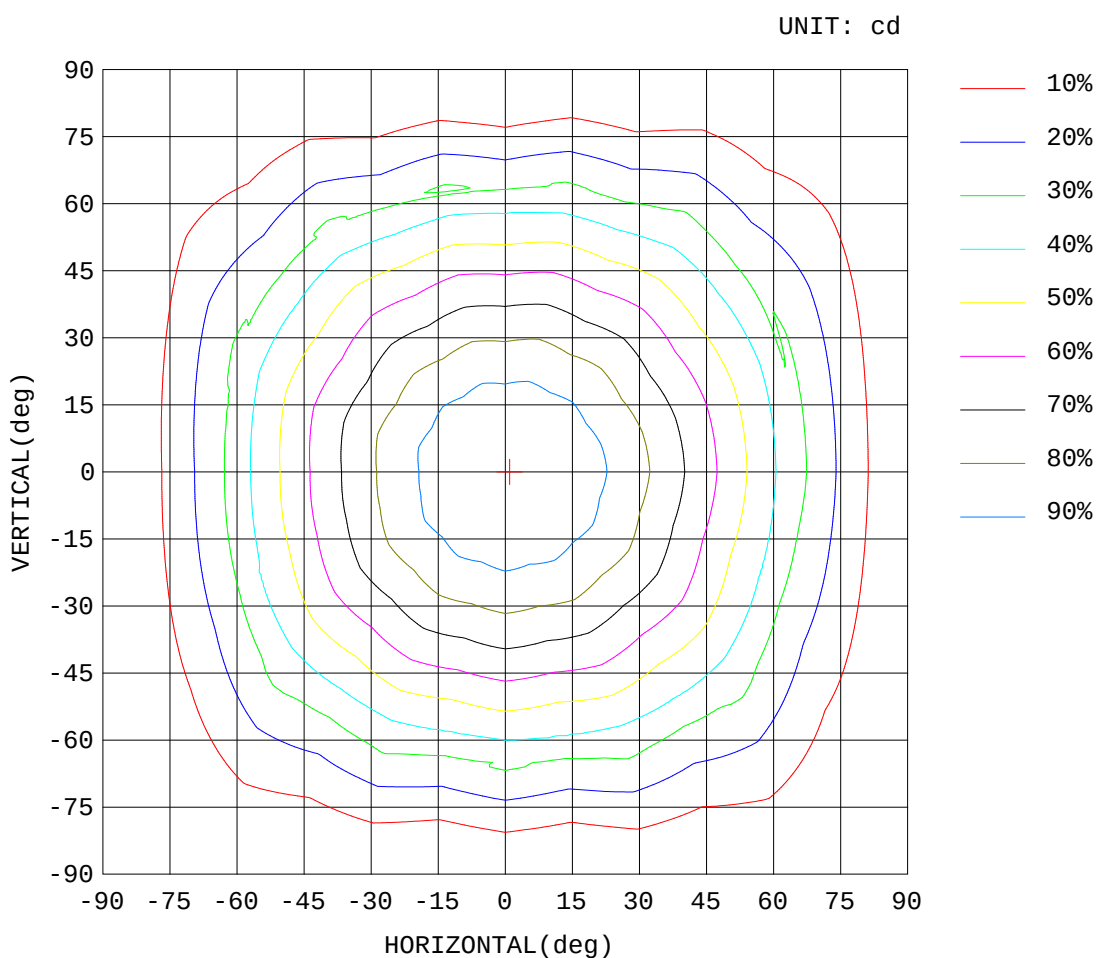
Temperature:25.3'C
 Operators:
 Test Date:09-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 92Ra. 0.1% Flickering. Temp 35.3

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Seiling 20W 3000K 1800lm 90Ra IP54		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2981	DIMENSION: 190x190x30	SERIAL No.:



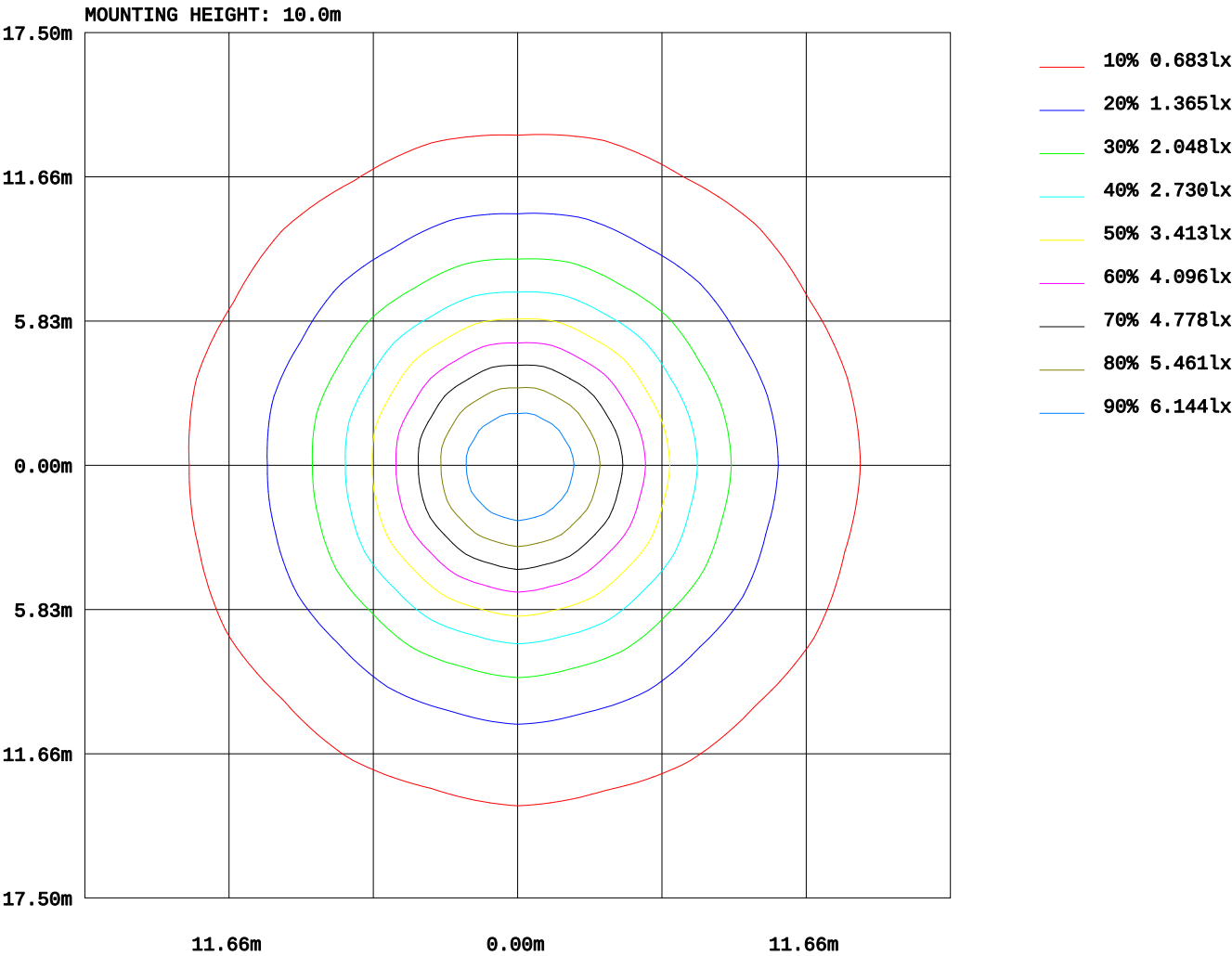
Temperature:25.3'C
Operators:
Test Date:09-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 92Ra. 0.1% Flickering. Temp 35.3

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Seiling 20W 3000K 1800lm 90Ra IP54		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2981	DIMENSION: 190x190x30	SERIAL No.:



Temperature:25.3'C
Operators:
Test Date:09-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 92Ra. 0.1% Flickering. Temp 35.3

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Seiling 20W 3000K 1800lm 90Ra IP54		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2981	DIMENSION: 190x190x30	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	683	683	681	682	682	682	682	682	682	682	682	682	683	683	681
5.0	682	680	681	680	680	679	680	678	679	676	678	676	676	677	675
10.0	672	669	672	669	671	668	670	666	667	664	666	661	661	664	660
15.0	656	652	655	651	655	650	653	647	649	644	647	641	639	643	637
20.0	631	626	632	626	630	623	627	620	624	616	620	612	611	616	609
25.0	601	594	601	594	599	591	596	587	592	582	587	578	576	582	574
30.0	565	557	565	557	564	554	560	550	555	544	550	539	536	544	533
35.0	524	515	524	515	523	512	519	507	513	500	508	496	493	501	490
40.0	479	470	480	469	478	466	474	461	468	454	462	448	446	455	443
45.0	433	423	434	421	432	419	428	413	421	406	415	400	396	407	394
50.0	383	372	384	371	382	367	378	362	371	354	364	348	346	357	343
55.0	331	319	332	319	330	315	326	309	318	301	312	295	292	304	290
60.0	279	272	281	273	279	273	274	251	266	244	260	238	234	252	231
65.0	225	208	225	208	225	204	207	198	212	191	209	185	182	203	180
70.0	179	156	180	155	178	151	173	146	166	139	160	134	131	151	129
75.0	127	107	129	107	127	103	122	97.5	115	92.0	110	87.0	83.9	103	81.8
80.0	78.4	60.9	80.1	62.0	79.0	58.2	73.6	53.2	68.6	49.5	64.0	44.5	42.5	57.9	41.2
85.0	35.5	20.5	38.4	24.1	38.2	20.0	32.6	15.4	29.4	14.5	25.7	9.90	8.60	19.7	8.40
90.0	8.60	2.30	9.60	2.40	9.40	2.20	8.10	2.00	7.90	2.00	7.50	2.10	2.40	7.40	2.20
95.0	7.10	2.30	7.10	2.30	7.00	2.30	6.90	2.30	6.90	2.30	6.80	2.40	2.70	6.90	2.50
100.0	6.70	2.60	6.60	2.60	6.60	2.60	6.50	2.60	6.60	2.70	6.50	2.80	3.10	6.60	2.90
105.0	6.50	3.00	6.50	3.00	6.40	2.90	6.30	3.10	6.40	3.10	6.40	3.20	3.50	6.50	3.30
110.0	6.40	3.30	6.30	3.30	6.30	3.30	6.30	3.50	6.40	3.50	6.30	3.50	3.90	6.50	3.70
115.0	6.50	3.70	6.30	3.80	6.40	3.80	6.30	3.80	6.40	3.90	6.40	3.90	4.40	6.50	4.10
120.0	6.50	4.20	6.50	4.20	6.50	4.30	6.40	4.30	6.50	4.30	6.50	4.30	4.80	6.70	4.50
125.0	6.70	4.60	6.60	4.60	6.60	4.70	6.60	4.70	6.70	4.70	6.60	4.70	5.20	6.90	4.90
130.0	6.80	5.00	6.70	5.00	6.80	5.10	6.80	5.10	6.90	5.10	6.80	5.20	5.60	7.10	5.30
135.0	7.00	5.30	7.00	5.40	7.00	5.50	7.00	5.40	7.10	5.50	7.10	5.50	6.00	7.30	5.80
140.0	7.20	5.70	7.20	5.70	7.20	5.70	7.20	5.70	7.20	5.90	7.30	5.80	6.40	7.40	6.10
145.0	7.40	6.10	7.40	6.10	7.40	6.10	7.30	6.10	7.40	6.20	7.40	6.20	6.80	7.60	6.40
150.0	7.60	6.40	7.40	6.30	7.50	6.40	7.50	6.40	7.50	6.40	7.50	6.50	7.10	7.80	6.60
155.0	7.80	6.70	7.60	6.60	7.70	6.70	7.70	6.70	7.70	6.70	7.70	6.80	7.30	8.00	6.90
160.0	8.00	7.00	7.80	6.90	7.80	7.00	7.90	6.90	7.80	6.90	7.90	7.10	7.60	8.10	7.10
165.0	8.10	7.20	7.90	7.10	8.00	7.20	8.10	7.20	8.00	7.20	8.00	7.30	7.90	8.20	7.30
170.0	8.29	7.50	8.10	7.40	8.10	7.50	8.20	7.40	8.10	7.40	8.10	7.50	8.10	8.29	7.50
175.0	8.40	7.60	8.20	7.60	8.20	7.60	8.40	7.60	8.20	7.60	8.20	7.60	8.29	8.29	7.60
180.0	8.50	8.00	8.20	7.80	8.20	7.80	8.40	7.80	8.10	7.80	8.20	7.80	8.60	8.29	7.80

Temperature:25.3'C
Operators:
Test Date:09-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 92Ra. 0.1% Flickering. Temp 35.3

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Seiling 20W 3000K 1800lm 90Ra IP54		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2981	DIMENSION: 190x190x30	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	682	682	682	682	682	682	682	682	682
5.0	677	675	677	676	678	677	679	678	680
10.0	663	660	664	662	666	664	668	666	670
15.0	644	638	645	641	647	644	650	647	653
20.0	615	610	617	613	621	617	624	621	628
25.0	582	575	584	578	588	583	592	588	597
30.0	544	535	546	539	551	544	556	549	561
35.0	501	492	504	496	509	502	514	508	519
40.0	455	445	458	450	463	456	469	462	475
45.0	407	395	410	400	416	406	423	413	428
50.0	356	345	360	350	366	356	372	363	378
55.0	303	292	307	297	313	304	320	311	327
60.0	251	233	255	238	261	245	268	252	275
65.0	203	181	206	186	211	193	213	200	198
70.0	151	130	154	134	160	141	167	148	173
75.0	102	82.5	105	86.2	111	92.6	118	99.2	123
80.0	58.0	41.9	59.3	44.7	64.4	50.8	71.4	55.9	75.3
85.0	20.9	9.00	21.5	10.5	25.4	15.2	31.7	19.3	33.0
90.0	7.40	2.10	7.40	2.00	7.50	2.10	8.20	2.10	8.60
95.0	6.80	2.50	6.80	2.40	6.80	2.30	6.90	2.30	7.00
100.0	6.60	2.80	6.50	2.70	6.50	2.70	6.60	2.60	6.60
105.0	6.40	3.20	6.40	3.10	6.40	3.10	6.40	3.10	6.40
110.0	6.40	3.60	6.40	3.50	6.40	3.50	6.40	3.40	6.40
115.0	6.50	4.00	6.40	3.90	6.40	3.90	6.40	3.80	6.40
120.0	6.70	4.50	6.60	4.30	6.60	4.30	6.50	4.30	6.50
125.0	6.80	4.80	6.80	4.70	6.70	4.70	6.70	4.70	6.70
130.0	7.00	5.30	7.00	5.10	6.90	5.10	6.90	5.10	6.90
135.0	7.20	5.60	7.20	5.50	7.10	5.60	7.10	5.50	7.10
140.0	7.40	6.00	7.30	5.90	7.20	5.90	7.30	5.90	7.40
145.0	7.60	6.30	7.40	6.20	7.40	6.30	7.50	6.20	7.40
150.0	7.70	6.50	7.60	6.50	7.60	6.40	7.70	6.50	7.50
155.0	7.70	6.70	7.70	6.70	7.80	6.70	7.70	6.60	7.70
160.0	7.90	7.00	7.90	7.10	8.00	7.00	7.80	6.90	7.80
165.0	8.10	7.20	8.00	7.30	8.10	7.20	8.00	7.10	7.90
170.0	8.10	7.40	8.10	7.60	8.20	7.40	8.10	7.40	8.10
175.0	8.20	7.60	8.20	7.70	8.20	7.50	8.20	7.50	8.20
180.0	8.20	7.80	8.20	7.90	8.20	7.70	8.20	7.80	8.20

Temperature:25.3'C
Operators:
Test Date:09-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 92Ra. 0.1% Flickering. Temp 35.3