

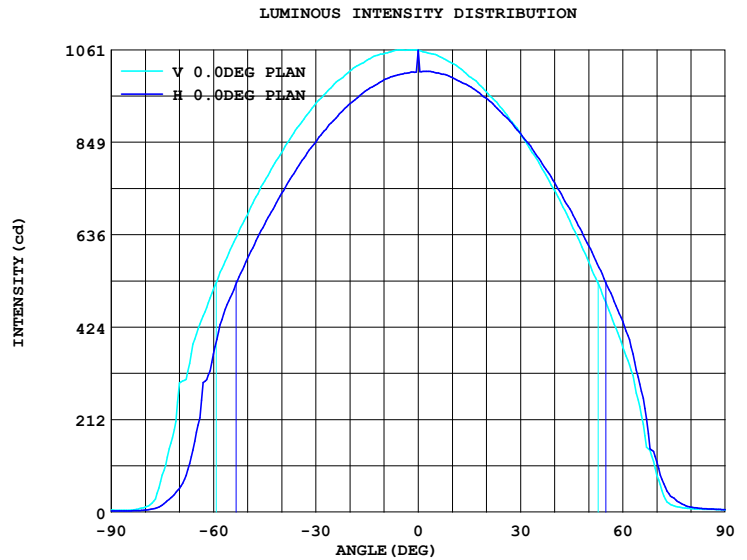
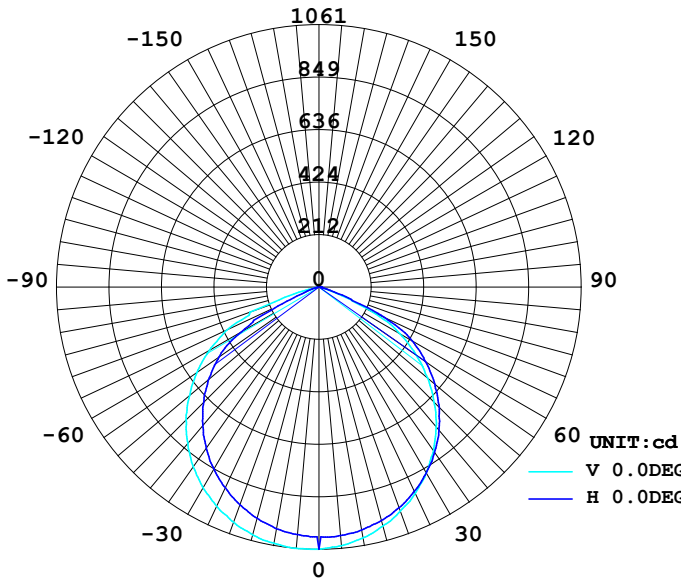
GONIOPHOTOMETRIC SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE:30W	WEIGHT:
SPECIFICATION:Single color	DIMENSION:	SERIAL No.:

TEST DATA			
MODEL:		Imax (cd) :	1061
NOMINAL POWER (W) :	28	AVAILABILITY (%) :	98.3
RATED VOLTAGE (V) :	220	Avai. FLUX (lm) :	2656
NOMINAL FLUX (lm) :	2702	EFFICIENCY (%) :	100.0
TEST FLUX (lm) :	2702	TOTAL FLUX (lm) :	2702
LAMPS INSIDE:	1	@50% (H,V) :	112,108DEG



Test:U:219.3V I:0.142A P:28.70W PF:0.922

Test System:HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.200 m
 Remarks:

GONIOPHOTOMETRIC SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE: 30W	WEIGHT:
SPECIFICATION: Single color	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT: lm	t	a
	0.01	0.05	0.11	0.18	0.22	0.19	0.18	0.22	0.23	0.21	0.17	0.13	0.11	0.11	0.11	0.08	0.05	0.01	2.38	0.00
90	0.01	0.07	0.38	1.09	1.64	1.98	2.18	2.10	1.60	1.34	1.41	1.22	0.87	0.51	0.25	0.12	0.05	0.02	16.8	4.98
80	0.01	0.16	1.12	3.00	4.73	6.65	8.20	8.88	8.89	8.50	7.72	6.39	4.56	2.72	1.26	0.29	0.06	0.02	73.2	70.3
70	0.02	0.31	1.91	4.94	7.96	10.8	13.3	15.1	15.9	15.5	14.0	11.5	8.73	5.68	2.92	0.78	0.09	0.02	130	129
60	0.02	0.46	2.82	6.68	10.6	14.3	17.5	19.7	20.8	20.3	18.5	15.6	12.1	8.25	4.42	1.34	0.15	0.02	174	173
50	0.02	0.61	3.71	8.15	12.8	17.2	20.9	23.5	24.7	24.2	22.1	18.9	14.9	10.4	5.92	1.90	0.21	0.02	211	210
40	0.02	0.76	4.45	9.27	14.4	19.4	23.6	26.4	27.7	27.1	24.9	21.4	17.0	12.1	7.13	2.48	0.24	0.02	239	238
30	0.02	0.86	4.95	10.0	15.5	21.0	25.5	28.5	29.7	29.0	26.6	23.1	18.6	13.3	7.94	2.94	0.26	0.02	258	258
20	0.02	0.90	5.18	10.4	16.2	21.8	26.6	29.9	31.1	30.0	28.2	24.7	19.7	14.0	8.36	3.15	0.24	0.02	271	270
10	0.02	0.89	5.12	10.3	15.9	21.4	26.0	28.9	30.2	30.7	28.8	25.0	19.8	14.0	8.34	3.14	0.23	0.02	269	269
0	0.02	0.82	4.78	9.68	14.9	19.9	24.0	27.2	29.0	29.2	27.4	23.7	18.8	13.3	7.88	2.91	0.24	0.02	254	254
-10	0.02	0.69	4.19	8.69	13.4	18.0	22.2	25.4	27.0	27.0	25.3	21.8	17.2	12.0	7.03	2.44	0.21	0.02	233	232
-20	0.02	0.53	3.40	7.40	11.5	15.9	19.8	22.7	24.0	23.9	22.3	19.2	15.0	10.2	5.78	1.83	0.17	0.02	204	203
-30	0.02	0.36	2.49	5.82	9.49	13.3	16.7	18.9	20.0	19.8	18.4	15.8	12.1	8.06	4.29	1.21	0.11	0.02	167	166
-40	0.01	0.23	1.56	4.21	6.89	9.92	12.6	14.2	14.8	14.6	13.5	11.5	8.60	5.47	2.70	0.61	0.06	0.01	122	120
-50	0.01	0.12	0.81	2.39	3.98	5.64	6.93	7.09	6.48	6.23	6.37	5.87	4.32	2.51	0.99	0.18	0.04	0.01	60.0	55.7
-60	0.01	0.05	0.25	0.78	1.35	1.83	2.06	1.76	1.07	0.90	1.27	1.32	0.93	0.45	0.15	0.06	0.03	0.01	14.3	2.31
-70	0.01	0.03	0.06	0.12	0.20	0.27	0.28	0.23	0.14	0.12	0.17	0.21	0.18	0.11	0.06	0.04	0.03	0.01	2.24	0.00
-80																				
-90																				
□ t	0.30	7.90	47.3	103	162	220	269	301	314	309	288	248	194	134	75.5	25.5	2.47	0.29	2702	
□ a	0.00	4.22	44.5	101	160	217	266	298	311	306	285	245	191	131	73.0	21.2	0.00	0.00		2656

Test System: HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2020-04-21

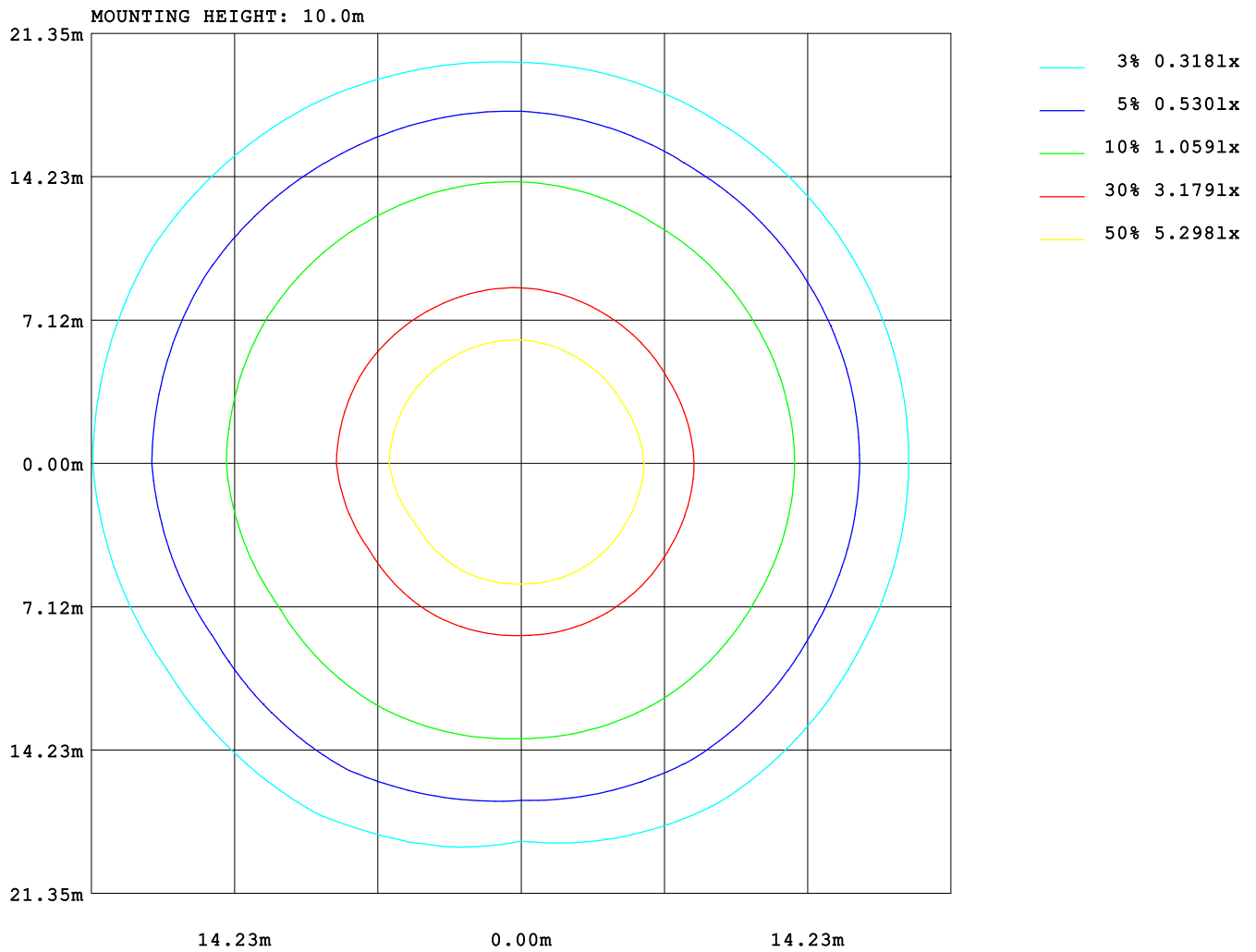
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.200 m
 Remarks:

GONIOPHOTOMETRIC SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE: 30W	WEIGHT:
SPECIFICATION: Single color	DIMENSION:	SERIAL No.:



Test System: HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.200 m
 Remarks:

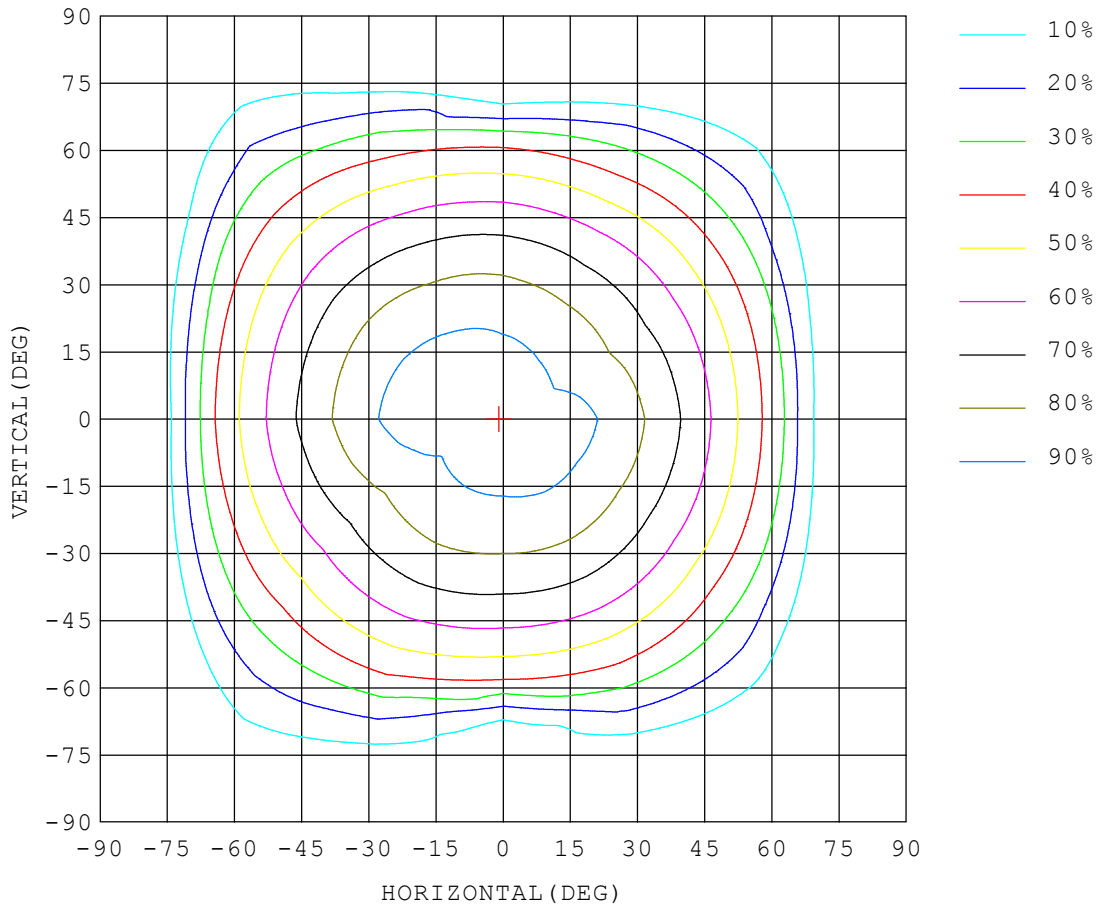
GONIOPHOTOMETRIC SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE:30W	WEIGHT:
SPECIFICATION:Single color	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.200 m
Remarks:

GONIOPHOTOMETRIC SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE:30W	WEIGHT:
SPECIFICATION:Single color	DIMENSION:	SERIAL No.:

UNIT: cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	4.84	4.52	4.21	3.89	3.58	3.27	2.95	3.38	3.81	4.23	4.66	5.08	5.51	5.02	4.52
-85.0	4.84	4.29	3.92	3.86	4.00	4.28	4.76	5.65	6.62	7.60	8.50	9.33	10.0	9.02	7.87
-80.0	4.84	4.06	4.00	4.36	5.26	7.08	10.4	14.6	18.8	21.7	22.7	23.2	23.1	22.1	20.7
-75.0	4.84	3.99	4.20	5.23	8.58	17.0	30.5	41.5	52.1	58.6	65.1	70.5	71.0	69.6	64.0
-70.0	4.84	4.00	4.49	7.36	17.5	33.8	62.9	85.1	105	118	128	142	153	149	131
-65.0	4.84	4.01	5.02	11.7	27.9	58.0	103	138	161	183	205	227	247	255	244
-60.0	4.84	4.02	5.89	17.2	42.8	86.8	141	189	231	251	285	312	346	368	378
-55.0	4.84	4.03	7.34	23.2	56.9	116	182	259	278	317	361	404	434	463	477
-50.0	4.84	4.05	9.20	30.0	75.5	149	237	284	334	383	431	472	508	539	561
-45.0	4.84	4.08	11.0	35.3	97.0	185	275	333	385	441	490	535	575	609	632
-40.0	4.84	4.09	12.3	41.5	121	232	308	381	436	490	544	591	633	668	699
-35.0	4.84	4.13	13.5	48.4	144	281	354	424	485	536	590	641	684	722	753
-30.0	4.84	4.21	14.8	53.8	168	292	390	462	527	583	632	683	731	770	803
-25.0	4.84	4.26	15.3	63.9	185	315	419	498	565	624	676	722	769	811	844
-20.0	4.84	4.27	15.4	72.6	210	346	446	528	600	662	716	762	801	842	876
-15.0	4.84	4.24	14.9	80.1	239	374	470	553	628	695	752	801	840	870	901
-10.0	4.84	4.19	14.0	84.8	268	390	488	575	651	722	783	836	878	909	930
-5.0	4.84	4.12	12.7	86.5	288	401	502	592	670	743	807	865	911	946	972
0.0	4.84	4.03	11.1	84.9	296	408	511	603	683	759	825	886	938	978	1012
5.0	4.84	4.23	13.5	88.4	290	406	508	599	679	754	819	879	929	968	1000
10.0	4.84	4.40	15.6	88.4	272	399	500	589	669	743	808	866	913	952	981
15.0	4.84	4.55	17.3	84.7	244	387	486	574	653	724	789	844	892	929	957
20.0	4.84	4.66	18.4	77.4	218	363	468	555	631	702	763	817	864	898	924
25.0	4.84	4.73	19.0	70.7	199	335	447	530	606	672	731	786	826	860	884
30.0	4.84	4.75	18.6	63.5	183	316	420	502	573	636	695	742	782	814	839
35.0	4.84	4.71	17.2	59.7	160	303	389	466	534	597	649	694	731	762	786
40.0	4.84	4.71	15.6	54.3	141	247	344	427	493	549	598	639	674	704	724
45.0	4.84	4.73	13.7	47.5	110	212	314	384	446	496	539	578	611	636	659
50.0	4.84	4.71	11.8	40.4	95.4	177	262	336	390	436	475	510	539	565	585
55.0	4.84	4.70	9.85	32.3	78.6	135	218	287	331	371	407	437	463	485	505
60.0	4.84	4.72	8.03	23.3	58.8	115	172	231	264	305	330	359	382	400	415
65.0	4.84	4.71	6.90	16.3	40.2	81.7	139	163	196	216	242	287	292	297	304
70.0	4.84	4.71	6.17	10.9	24.3	49.8	88.9	120	133	133	151	161	168	170	170
75.0	4.84	4.69	5.75	8.01	13.4	25.3	44.1	59.5	68.9	74.3	76.8	75.2	70.9	72.1	70.0
80.0	4.84	4.74	5.49	6.74	8.78	12.2	17.6	21.5	23.9	24.4	22.8	19.7	16.1	17.7	18.4
85.0	4.84	4.94	5.30	6.03	7.00	8.17	9.56	9.08	8.63	8.06	7.25	6.26	5.02	5.46	5.87
90.0	4.84	5.13	5.42	5.71	6.00	6.29	6.58	6.04	5.49	4.94	4.39	3.84	3.29	3.63	3.96

Test System:HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.200 m
 Remarks:

GONIOPHOTOMETRIC SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE: 30W	WEIGHT:
SPECIFICATION: Single color	DIMENSION:	SERIAL No.:

UNIT: cd

H (DEG) \ V (DEG)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	4.03	3.54	3.04	2.55	3.03	3.51	4.00	4.48	4.96	5.44	4.99	4.54	4.10	3.65	3.20
-85.0	6.64	5.34	3.99	2.62	3.52	4.41	5.25	6.05	6.79	7.42	6.40	5.45	4.56	3.74	3.02
-80.0	17.9	14.1	9.60	4.63	6.67	8.57	10.2	11.6	12.7	13.3	11.2	9.27	7.43	5.63	4.02
-75.0	55.1	43.7	30.2	15.6	23.7	30.9	36.6	40.4	40.9	36.9	28.8	21.6	15.6	10.6	6.86
-70.0	118	102	80.2	54.0	70.9	86.8	102	114	118	108	91.6	70.4	52.1	33.1	17.9
-65.0	232	222	206	183	199	208	212	217	221	188	160	150	118	82.7	52.4
-60.0	377	376	373	363	364	360	352	345	326	298	268	229	174	149	106
-55.0	490	497	498	493	490	482	467	446	422	386	349	299	262	204	159
-50.0	573	582	586	583	579	568	552	532	502	465	421	370	315	266	201
-45.0	649	658	662	660	656	647	631	607	576	535	487	433	374	310	254
-40.0	715	728	732	731	728	718	699	676	641	599	548	491	427	360	288
-35.0	776	788	795	795	792	780	764	735	698	655	604	542	475	408	334
-30.0	827	842	849	849	847	837	818	789	751	705	650	589	523	449	368
-25.0	871	886	896	896	895	884	866	835	797	747	691	631	562	484	403
-20.0	903	923	933	937	936	925	905	873	833	784	728	667	595	517	428
-15.0	927	950	962	968	970	960	937	904	865	814	759	694	623	539	450
-10.0	946	966	982	992	997	987	963	932	890	841	783	718	641	556	467
-5.0	986	984	988	1004	1018	1009	985	951	910	858	800	731	653	569	477
0.0	1037	1052	1061	1060	1050	1030	1000	964	921	868	808	738	658	575	481
5.0	1021	1032	1030	1008	983	971	962	936	900	852	795	729	652	570	478
10.0	1003	1011	1009	997	977	955	929	903	872	829	776	713	639	558	469
15.0	975	984	985	978	961	937	911	877	840	800	749	690	621	540	454
20.0	942	953	956	949	934	912	884	852	813	767	717	661	595	519	433
25.0	903	914	917	911	898	877	849	818	780	734	684	626	563	490	408
30.0	857	867	872	869	855	834	807	776	738	695	646	589	526	456	377
35.0	803	814	819	815	803	784	756	726	690	649	602	546	483	416	341
40.0	742	754	758	755	743	724	698	666	635	595	549	497	438	372	296
45.0	675	686	690	688	676	658	633	603	569	533	489	440	385	323	254
50.0	601	611	614	611	600	584	561	531	497	462	423	377	326	272	211
55.0	518	526	528	525	515	500	478	452	419	388	350	309	266	216	169
60.0	428	436	439	437	426	410	390	364	337	308	275	242	192	160	125
65.0	308	307	303	293	290	283	271	262	244	211	175	153	128	98.2	71.1
70.0	168	160	142	116	122	125	124	121	114	103	90.8	75.7	61.0	41.9	29.0
75.0	64.5	55.7	44.5	31.7	36.1	39.2	40.7	40.3	37.7	32.4	27.4	21.7	17.2	14.6	12.2
80.0	17.9	16.3	14.0	11.3	10.9	10.4	9.86	9.11	8.20	7.33	7.59	7.67	7.70	7.82	7.85
85.0	6.22	6.53	6.80	7.06	6.45	5.84	5.20	4.54	3.85	3.14	3.69	4.28	4.89	5.48	6.06
90.0	4.30	4.63	4.97	5.31	4.95	4.59	4.23	3.87	3.51	3.16	3.59	4.03	4.47	4.90	5.34

Test System: HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.200 m
 Remarks:

GONIOPHOTOMETRIC SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Shinpol Optics Technology	Address:	
NAME: Slim LED Flood Light	TYPE:30W	WEIGHT:
SPECIFICATION:Single color	DIMENSION:	SERIAL No.:

UNIT: cd

H (DEG) \ V (DEG)	60	65	70	75	80	85	90
-90.0	2.75	3.14	3.54	3.93	4.32	4.71	5.11
-85.0	2.43	3.03	3.58	4.06	4.50	4.85	5.11
-80.0	2.79	3.14	3.62	4.16	4.65	4.98	5.11
-75.0	4.70	4.12	4.02	4.30	4.74	5.10	5.11
-70.0	9.22	5.88	4.96	4.63	4.86	5.20	5.11
-65.0	24.1	10.5	6.15	5.17	5.04	5.29	5.11
-60.0	54.9	21.1	8.66	5.86	5.23	5.35	5.11
-55.0	92.9	40.2	13.5	6.61	5.50	5.41	5.11
-50.0	131	60.1	21.9	7.93	5.82	5.50	5.11
-45.0	165	85.7	31.2	9.82	6.15	5.59	5.11
-40.0	198	112	40.2	11.9	6.42	5.68	5.11
-35.0	243	135	48.7	14.4	6.69	5.77	5.11
-30.0	273	160	58.3	17.1	6.98	5.85	5.11
-25.0	309	174	66.5	18.8	7.25	5.93	5.11
-20.0	336	193	78.3	19.4	7.56	6.00	5.11
-15.0	353	219	85.5	19.3	7.76	6.07	5.11
-10.0	367	232	88.7	18.3	7.87	6.14	5.11
-5.0	375	240	88.6	16.4	7.90	6.19	5.11
0.0	378	242	85.1	14.1	7.86	6.25	5.11
5.0	376	241	88.6	17.4	8.17	6.27	5.11
10.0	369	233	89.1	20.2	8.41	6.28	5.11
15.0	357	219	87.1	22.1	8.54	6.28	5.11
20.0	340	194	82.0	23.1	8.55	6.28	5.11
25.0	316	177	73.0	22.5	8.40	6.27	5.11
30.0	279	165	65.2	20.4	8.23	6.25	5.11
35.0	244	137	57.4	19.2	7.95	6.22	5.11
40.0	204	120	49.8	16.6	7.73	6.17	5.11
45.0	172	98.2	41.2	13.5	7.53	6.12	5.11
50.0	143	75.1	29.2	11.3	7.27	6.06	5.11
55.0	110	54.8	21.0	9.58	6.98	6.00	5.11
60.0	73.6	33.5	14.0	8.47	6.67	5.96	5.11
65.0	39.7	18.1	10.2	7.74	6.44	5.91	5.11
70.0	17.9	11.2	8.56	7.00	6.26	5.81	5.11
75.0	10.5	8.68	7.27	6.50	6.11	5.70	5.11
80.0	7.69	6.96	6.54	6.24	5.94	5.57	5.11
85.0	6.62	6.41	6.18	5.93	5.68	5.39	5.11
90.0	5.78	5.67	5.55	5.44	5.33	5.22	5.11

Test System:HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-21

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.200 m
 Remarks: