

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

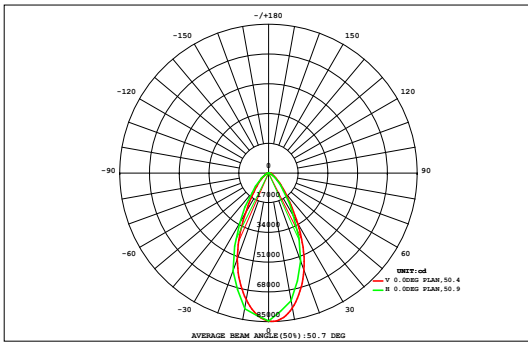
Maximum Intensity (Luminaire orientation as tested.)		1145.8 cd per klm. 0.0 degrees vertical -1.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	94.7V x 92.7H 50.9V x 50.4H 20.0V x 19.6H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	999.7 lumens per klm. 867.7 lumens per klm. 496.4 lumens per klm. 90.6 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:20 September 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:481.96V I:1.0383A P:500.42W PF:0.9895 Freq:49.96Hz		
Lamp Flux:74009.3x1 lm		
NAME: ASD-SPFL5-HV-500D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:147.89lm/W	
MODEL:SPFL5-HV-500D50-L45	Imax (cd)	84802	
NOMINAL POWER (W)	500	AVAILABILITY (%)	86.6
RATED VOLTAGE (V)	480	Avai. FLUX (lm)	64115
NOMINAL FLUX (lm)	74009.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	74009
TEST VOLTAGE (V)	480	θ @50% (H, V)	50,51DEG

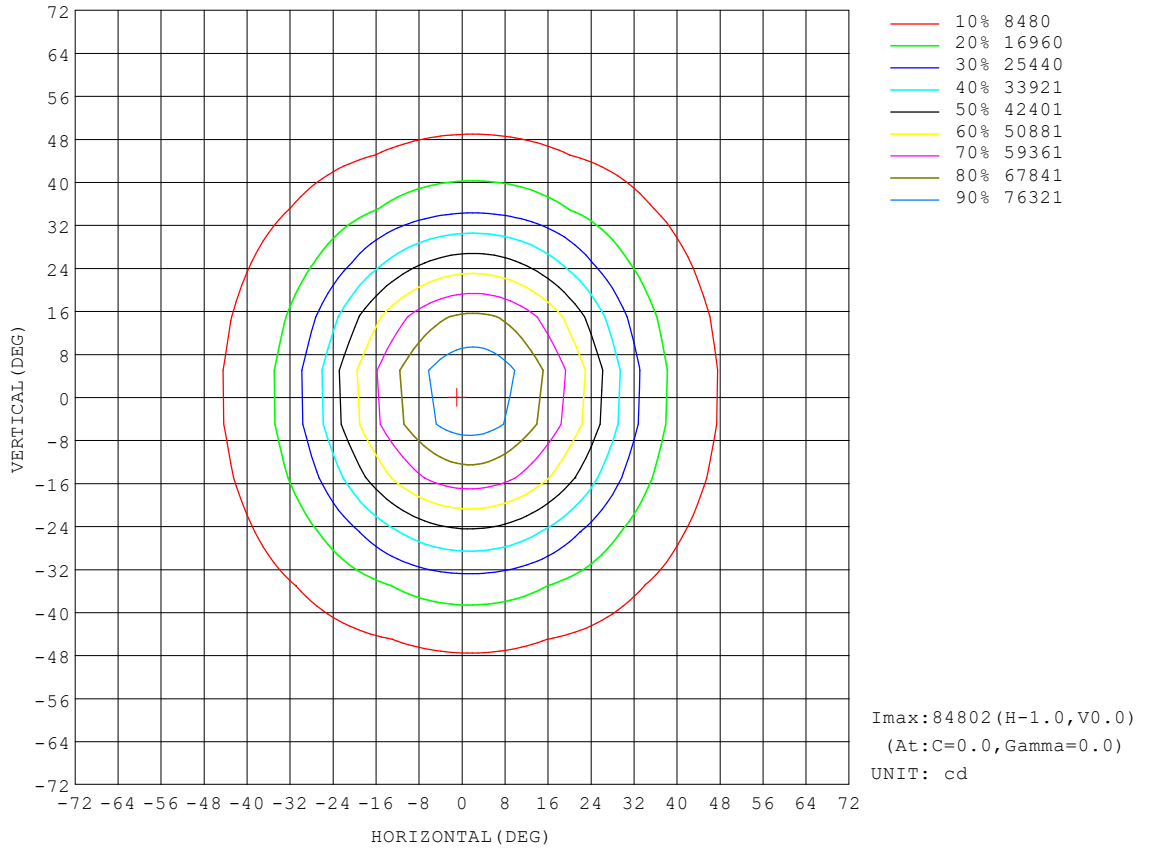
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a												
	3.95	7.03	11.2	16.0	21.1	25.9	29.9	32.9	34.5	34.4	32.8	30.0	25.7	20.7	15.7	11.0	6.95	3.71	363	0.00												
64	5.21	10.1	16.2	23.6	32.4	41.6	50.1	56.7	60.4	60.0	56.0	49.2	40.5	31.4	23.3	16.2	10.1	5.34	588	0.00												
56	6.49	12.8	21.4	33.2	49.2	68.3	88.0	105	115	115	106	90.3	70.2	50.6	34.4	22.4	13.6	7.21	1009	0.00												
48	7.99	15.9	27.9	46.7	74.2	108	147	183	208	212	192	157	117	79.6	50.2	29.9	17.0	8.74	1682	790												
40	10.2	20.5	38.8	70.1	116	176	250	329	384	387	337	258	178	113	66.3	36.3	19.2	9.37	2798	2300												
32	11.3	24.3	49.7	94.2	163	271	424	594	706	702	586	419	266	158	88.7	45.8	22.6	10.7	4635	4260												
24	12.0	26.9	57.8	114	214	397	679	960	1128	1135	971	683	399	217	115	57.6	26.9	12.2	7204	6887												
	12.1	27.6	61.0	124	246	486	848	1192	1414	1445	1266	939	558	283	141	69.1	31.2	13.6	9158	8871												
	12.7	29.4	65.7	136	276	564	979	1343	1582	1609	1401	1049	634	312	150	72.4	32.3	13.8	10262	9990												
	14.1	33.1	73.9	153	318	638	1042	1389	1594	1563	1320	959	553	270	132	63.8	28.4	12.3	10157	9882												
	13.2	30.1	66.3	135	268	524	880	1191	1368	1351	1155	837	486	248	125	61.8	28.0	12.2	8779	8488												
-24	11.7	25.4	53.6	106	196	352	598	855	1012	1022	877	632	386	212	113	57.7	27.0	12.1	6549	6217												
-32	10.3	21.4	42.5	81.6	144	241	378	532	638	650	563	416	268	161	92.6	49.4	24.3	11.4	4325	3924												
-40	9.38	19.0	35.3	63.6	107	165	233	302	348	346	297	228	162	108	66.9	37.4	19.8	9.82	2557	2019												
-48	8.82	17.0	29.6	48.8	76.4	109	142	168	179	172	152	125	95.6	67.4	42.9	25.9	15.0	7.68	1483	485												
-56	6.98	13.2	21.2	31.5	44.8	60.8	77.4	91.1	99.4	100	93.6	80.4	63.4	46.3	32.0	21.1	12.8	6.57	903	0.00												
-64	5.05	9.76	15.6	22.3	29.7	37.6	45.3	51.8	56.0	57.1	54.5	48.8	41.1	32.5	23.9	16.5	10.3	5.38	563	0.00												
-72	3.51	6.76	10.8	15.5	20.3	24.9	28.7	31.3	32.8	33.1	31.9	29.2	25.6	21.2	16.3	11.5	7.31	4.00	355	0.00												
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)																16	24	32	40	48	56	64	72
Φ t	165	350	699	1316	2397	4289	6918	9405	10958	10996	9494	7029	4368	2432	1330	706	353	166	73371	---												
Φ a	0.00	0.00	19.7	533	1786	3749	6410	8915	10454	10488	8989	6531	3838	1831	556	14.3	0.00	0.00	---	64115												

one-half-peak spread: U:24.7,D:26.5 , L:25.8,R:24.9 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:7.850m [K=1.0000]
Test Date:20 September 2023	Remarks:

ISOCANDELA DIAGRAM

Test:U:481.96V I:1.0383A P:500.42W PF:0.9895 Freq:49.96Hz Lamp Flux:74009.3x1 lm		
NAME: ASD-SPFL5-HV-500D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

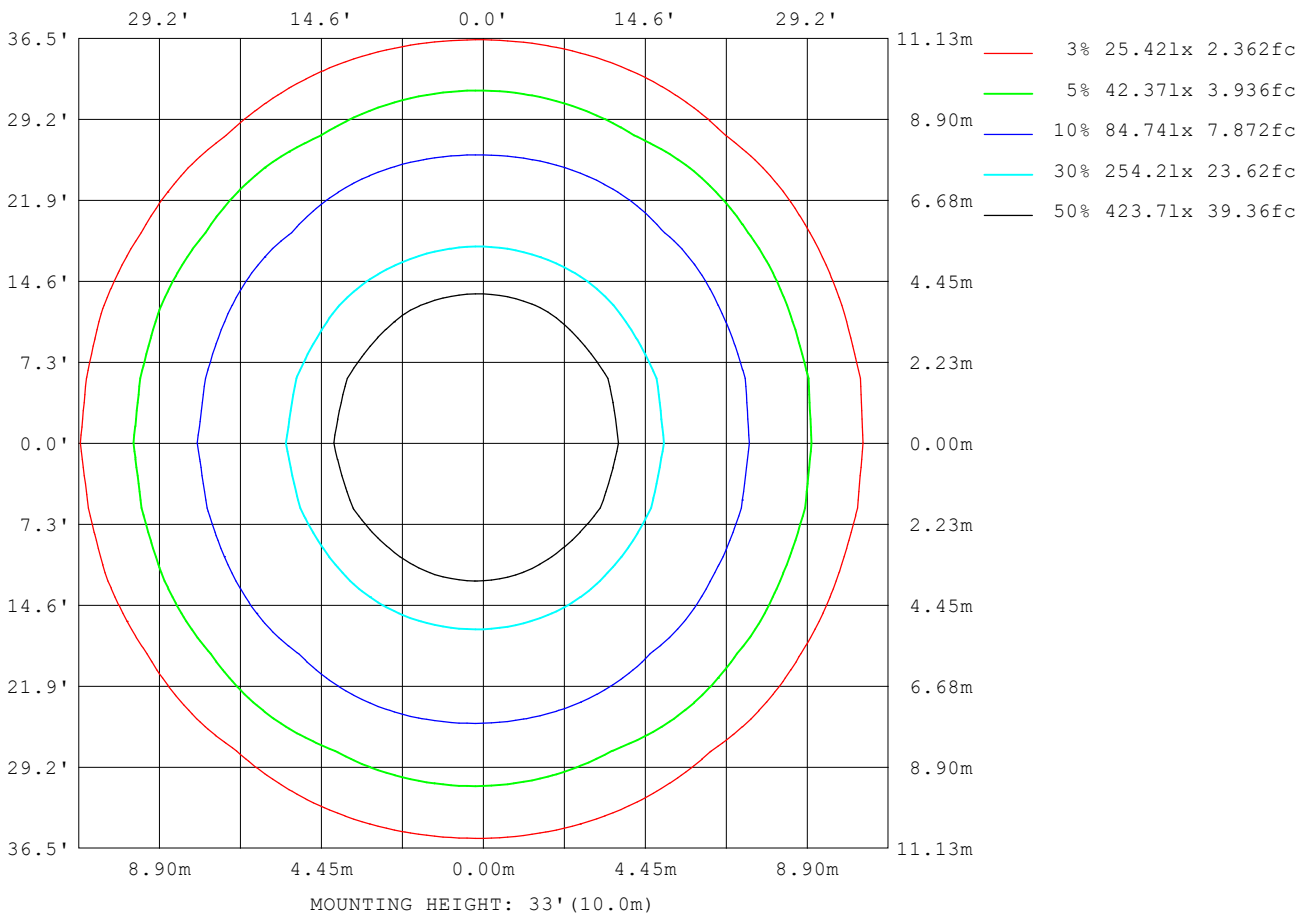


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:20 September 2023

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

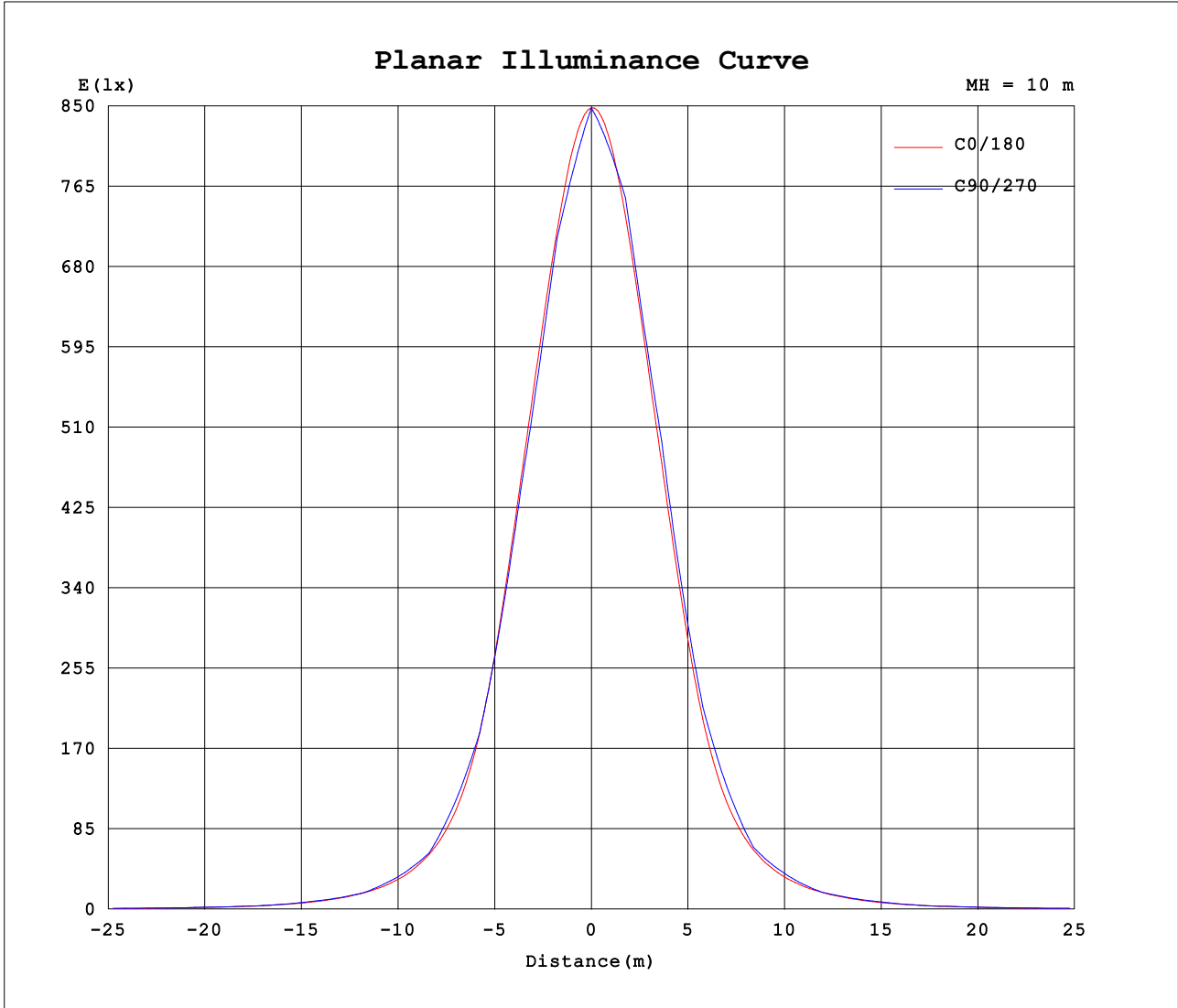
Test:U:481.96V I:1.0383A P:500.42W PF:0.9895 Freq:49.96Hz Lamp Flux:74009.3x1 lm		
NAME: ASD-SPFL5-HV-500D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:20 September 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve

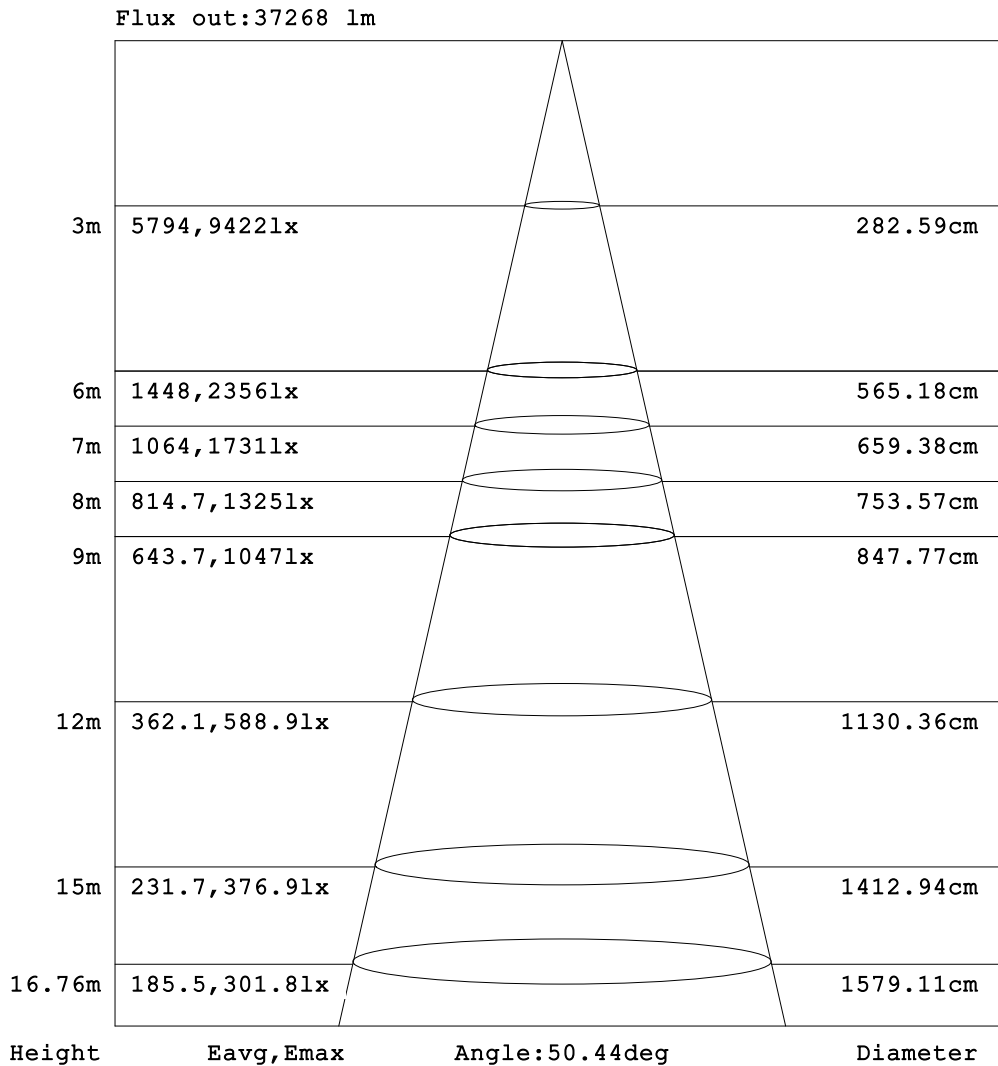


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:20 September 2023

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

AAI Figure

Test:U:481.96V I:1.0383A P:500.42W PF:0.9895 Freq:49.96Hz Lamp Flux:74009.3x1 lm		
NAME: ASD-SPFL5-HV-500D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:20 September 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	83952	83752	83564	83388	83226	83079	82946	82830	82714	82605
5.0	82036	81687	81374	81095	80852	80644	80471	80335	80207	80096
7.5	79065	78635	78282	78003	77793	77619	77495	77426	77373	77238
10.0	75251	74795	74457	74230	74108	74085	74089	73806	73601	73493
12.5	70944	70481	70187	70051	70042	69941	69577	69367	69289	69333
15.0	66018	65625	65452	65483	65528	64995	64675	64518	64555	64450
17.5	60677	60356	60326	60554	60060	59597	59412	59361	59121	59004
20.0	54852	54663	54817	54944	54194	53762	53588	53492	53533	53613
22.5	48550	48540	48970	48678	47984	47701	47596	47624	47877	47329
25.0	41846	41999	42662	41853	41162	41178	41540	41922	41079	40529
27.5	35073	35464	36241	35143	34534	34962	35644	35082	34305	33964
30.0	28827	29367	29807	28810	28681	29422	29420	28571	28126	28963
32.5	23487	24093	24225	23419	23745	24541	23717	22873	23751	24591
35.0	19165	19792	19680	19071	19703	19720	18918	19259	20059	20181
37.5	15662	16284	16026	15788	16431	15866	15548	16267	16508	16095
40.0	12967	13514	13129	13157	13422	12781	13186	13593	13242	13018
42.5	10780	11321	10840	11061	10924	10667	11234	11037	10747	11171
45.0	8965	9483	8985	9365	8963	9115	9283	8933	9239	9526
47.5	7525	7909	7563	7813	7423	7845	7600	7652	7933	7766
50.0	6288	6603	6402	6444	6349	6502	6324	6577	6498	6235
52.5	5243	5484	5416	5281	5444	5315	5419	5437	5219	5395
55.0	4333	4510	4546	4302	4542	4394	4581	4359	4478	4612
57.5	3570	3684	3785	3627	3659	3737	3671	3663	3818	3736
60.0	2941	3015	3060	3084	2982	3106	2981	3148	3083	3025
62.5	2461	2480	2481	2556	2555	2490	2579	2569	2521	2627
65.0	2072	2087	2052	2085	2157	2116	2167	2112	2196	2218
67.5	1761	1792	1786	1781	1757	1842	1784	1846	1845	1800
70.0	1492	1545	1549	1550	1530	1519	1557	1549	1515	1558
72.5	1248	1317	1260	1250	1291	1301	1297	1286	1313	1332
75.0	1016	1047	1060	1071	1055	1066	1064	1095	1089	1085
77.5	796.1	818.1	829.9	823.0	847.4	848.0	869.1	862.1	870.9	891.6
80.0	603.1	653.9	656.5	655.8	647.4	661.5	649.3	673.9	696.7	709.0
82.5	438.0	468.2	453.5	458.7	478.4	478.4	497.9	493.7	500.5	512.7
85.0	225.4	239.7	240.8	255.4	287.3	295.0	316.5	265.9	229.1	196.9
87.5	50.82	44.59	71.82	55.58	60.75	41.45	0	0	0	0
90.0	37.34	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	82511	82433	82372	82328	82276	82230	82203	82194	82205	82196
5.0	80016	79946	79870	79826	79764	79716	79679	79625	79609	79554
7.5	77102	77007	76955	76936	76924	76949	76956	76973	77006	76985
10.0	73436	73464	73567	73692	73838	73992	74142	74282	74402	74458
12.5	69462	69453	69313	69245	69194	69183	69188	69211	69235	69235
15.0	64343	64266	64207	64183	64186	64165	64124	64075	64020	63924
17.5	59032	59117	59050	58856	58780	58743	58765	58785	58818	58783
20.0	53411	53129	53010	52979	53047	53177	53302	53471	53616	53675
22.5	46937	46756	46816	47026	47185	47288	47337	47387	47416	47426
25.0	40293	40654	40993	41247	41367	41398	41356	41300	41216	41119
27.5	34638	35201	35524	35592	35387	35205	35082	35025	35013	34999
30.0	29664	30004	29718	29377	29071	28868	28768	28741	28811	28911
32.5	24742	24330	23860	23350	23890	24359	24664	24847	24929	24902
35.0	19786	19148	19609	20182	20573	20862	21018	21066	21048	20974
37.5	15720	16357	16819	17205	17263	17252	17210	17171	17159	17169
40.0	13503	13975	14060	13976	13786	13575	13385	13274	13270	13383
42.5	11539	11460	11238	10881	10975	11212	11383	11490	11537	11533
45.0	9386	9095	9089	9341	9543	9688	9776	9807	9803	9771
47.5	7464	7677	7892	8056	8111	8116	8102	8083	8067	8057
50.0	6451	6630	6694	6670	6606	6513	6424	6359	6331	6348
52.5	5549	5514	5431	5312	5351	5419	5464	5485	5481	5458
55.0	4534	4410	4451	4559	4618	4647	4657	4651	4631	4605
57.5	3623	3750	3840	3893	3881	3853	3826	3802	3785	3774
60.0	3144	3223	3217	3177	3115	3049	2993	2954	2939	2945
62.5	2678	2648	2578	2496	2533	2561	2581	2590	2588	2575
65.0	2181	2129	2171	2201	2222	2236	2244	2245	2237	2224
67.5	1832	1872	1899	1907	1906	1903	1900	1895	1888	1881
70.0	1597	1610	1610	1597	1581	1565	1554	1545	1539	1537
72.5	1336	1333	1318	1322	1323	1326	1329	1330	1327	1324
75.0	1091	1105	1114	1118	1119	1119	1119	1118	1116	1114
77.5	901.0	904.9	908.6	910.2	910.9	908.4	906.5	905.0	904.6	906.7
80.0	704.3	692.7	693.3	696.7	699.9	696.6	693.2	691.8	693.4	699.1
82.5	493.9	447.5	422.1	403.1	386.4	369.0	355.8	348.2	346.7	351.9
85.0	157.2	118.5	88.85	63.34	41.41	23.43	10.44	2.617	0	2.645

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:20 September 2023

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0	
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	82207	82238	82290	82352	82410	82489	82589	82710	82850	82999	82999
5.0	79540	79520	79523	79554	79588	79671	79768	79894	80072	80284	80284
7.5	76968	76945	76884	76834	76762	76684	76608	76535	76549	76750	76750
10.0	74461	74418	74338	74217	74050	73814	73580	73362	73129	72938	72938
12.5	69288	69394	69563	69790	70094	70518	70532	70052	69577	69146	69146
15.0	63864	63854	63883	63970	64165	64471	64902	65494	65913	65206	65206
17.5	58749	58650	58535	58363	58162	58213	58534	59032	59734	60664	60664
20.0	53680	53640	53506	53288	53007	52670	52304	52339	52955	53833	53833
22.5	47462	47561	47702	47913	47976	47485	46957	46432	45981	46757	46757
25.0	41068	41084	41155	41300	41500	41740	41747	40982	40296	39697	39697
27.5	35001	35005	34953	34846	34942	35188	35414	35645	34908	34061	34061
30.0	29045	29187	29275	29325	29258	29052	29229	29504	29706	29023	29023
32.5	24798	24641	24366	24063	24220	24226	24014	23946	24303	24586	24586
35.0	20879	20746	20588	20372	20125	19863	19910	19681	19605	19981	19981
37.5	17185	17144	17048	16845	16765	16618	16433	16364	16100	16121	16121
40.0	13572	13765	13921	13938	13824	13673	13651	13614	13464	13137	13137
42.5	11493	11404	11298	11249	11397	11352	11171	11237	11267	11052	11052
45.0	9730	9669	9597	9506	9383	9370	9346	9346	9185	9274	9350
47.5	8049	8032	7977	7916	7868	7819	7751	7715	7558	7711	7711
50.0	6402	6470	6526	6541	6497	6452	6463	6451	6380	6266	6266
52.5	5419	5365	5296	5249	5318	5324	5273	5342	5366	5221	5221
55.0	4576	4545	4507	4448	4364	4323	4367	4347	4402	4392	4392
57.5	3769	3767	3755	3718	3686	3633	3560	3599	3562	3623	3623
60.0	2974	3018	3061	3084	3077	3039	3017	2973	2976	2943	2943
62.5	2560	2542	2520	2490	2537	2556	2532	2511	2494	2489	2489
65.0	2214	2205	2195	2177	2153	2124	2140	2129	2109	2114	2114
67.5	1879	1882	1882	1873	1855	1838	1821	1814	1806	1785	1785
70.0	1547	1565	1584	1593	1587	1569	1551	1548	1549	1536	1536
72.5	1324	1328	1334	1335	1329	1328	1319	1303	1297	1309	1309
75.0	1115	1118	1121	1121	1115	1108	1100	1091	1077	1059	1059
77.5	909.1	911.3	913.0	911.5	906.4	900.2	894.0	886.0	875.7	862.4	862.4
80.0	703.3	706.1	708.0	708.8	708.5	708.7	701.9	690.6	677.7	667.2	667.2
82.5	361.3	374.7	392.1	413.9	440.3	473.5	505.8	513.4	505.7	489.3	489.3
85.0	10.60	23.79	42.02	65.07	92.76	125.4	160.7	198.6	239.2	278.0	278.0
87.5	0	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	83154	83326	83515	83719	83937	84166	84405	84252	84107	83974	83974
5.0	80520	80808	81145	81527	81951	82412	82906	82566	82259	81988	81988
7.5	77009	77360	77795	78292	78877	79546	80292	79757	79298	78921	78921
10.0	72777	73113	73579	74185	74928	75801	76798	76061	75448	74965	74965
12.5	68776	68483	68742	69420	70271	71315	72543	71620	70882	70335	70335
15.0	64551	63987	63586	64133	65110	66335	67798	66684	65808	65177	65177
17.5	60118	59278	58575	58360	59428	60816	62517	61205	60208	59530	59530
20.0	54987	54282	53276	52535	53354	54926	56887	55342	54189	53800	53800
22.5	47833	49114	47737	46615	46756	48476	50668	48883	47582	47910	47910
25.0	40647	41866	41928	40563	39975	41793	44141	42166	40737	41800	41800
27.5	33690	34814	36151	34592	33356	35016	37366	35308	33976	35697	35697
30.0	28163	28304	29424	29059	27774	28787	30955	29003	28243	29904	29904
32.5	23675	22829	23786	24306	22959	23471	25405	23629	23327	24967	24967
35.0	19989	19058	19108	20064	19030	19093	20707	19209	19295	20533	20533
37.5	16516	16074	15436	16277	15839	15612	17003	15708	16055	16605	16605
40.0	13404	13653	12875	13229	13282	12864	13999	12914	13448	13490	13490
42.5	10829	11295	10938	11227	10850	10627	11644	10703	11354	11041	11041
45.0	9056	9181	9333	8857	9462	8811	9697	8885	9621	9077	9077
47.5	7681	7442	7893	7420	7839	7413	8117	7489	7993	7642	7642
50.0	6454	6267	6420	6323	6447	6247	6787	6323	6601	6549	6549
52.5	5252	5315	5183	5388	5283	5235	5675	5312	5429	5614	5614
55.0	4253	4405	4247	4540	4275	4360	4687	4429	4404	4747	4747
57.5	3589	3545	3589	3642	3487	3639	3867	3696	3588	3803	3803
60.0	3017	2926	3021	2928	2964	3058	3198	3100	3042	3036	3036
62.5	2483	2515	2465	2453	2541	2585	2664	2613	2597	2526	2526
65.0	2095	2116	2071	2129	2185	2179	2236	2193	2221	2180	2180
67.5	1806	1759	1822	1795	1802	1820	1896	1824	1816	1824	1824
70.0	1514	1533	1512	1485	1490	1514	1608	1515	1494	1499	1499
72.5	1293	1274	1275	1311	1298	1246	1353	1254	1307	1323	1323
75.0	1077	1062	1065	1039	1044	1061	1112	1074	1056	1046	1046
77.5	844.7	858.3	839.5	856.1	838.2	846.4	880.9	860.9	851.7	860.8	860.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:20 September 2023

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	659.0	653.6	647.5	621.0	604.0	600.4	667.1	614.8	617.0	623.5
82.5	464.5	462.6	468.4	446.3	438.9	430.0	495.2	445.8	449.4	450.0
85.0	302.4	267.4	243.4	252.1	231.4	183.5	302.5	218.8	244.1	262.9
87.5	0	38.01	57.67	57.22	51.63	41.36	86.93	50.98	54.55	58.89
90.0	0	0	0	0	0	0	7.527	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	83852	83743	83649	83571	83493	83421	83364	83323	83297	83287
5.0	81758	81570	81429	81337	81265	81223	81227	81253	81284	81354
7.5	78631	78404	78258	78202	78204	78399	78680	78957	79229	79483
10.0	74618	74411	74333	74763	75222	75723	76217	76724	77226	77658
12.5	69961	70009	70621	71315	72070	72867	73660	73937	73752	73673
15.0	64978	65740	66666	67682	68757	68623	68292	68116	68064	68124
17.5	60147	61252	62489	63406	62742	62322	62114	62095	62353	62863
20.0	54996	56460	57565	56649	56054	55757	56093	56848	57571	58213
22.5	49547	51437	50343	49523	49076	49971	50965	51960	52900	52984
25.0	43700	43953	42908	42228	43325	44560	45893	46041	45813	45682
27.5	37776	36511	35541	36322	37719	39043	38862	38673	38493	38514
30.0	30571	29559	29657	30929	32095	32002	31822	31729	32126	32399
32.5	24553	23670	24822	26120	25941	25674	25874	26270	26460	26523
35.0	19639	19716	20870	21008	20690	20879	21244	21346	21799	22271
37.5	15816	16589	17171	16827	16859	17220	17380	17723	18010	18244
40.0	13201	14088	13890	13659	14055	14240	14397	14494	14756	14980
42.5	11224	11667	11224	11494	11775	11781	11754	12015	12118	12004
45.0	9629	9520	9429	9746	9717	9679	9877	9927	9982	10146
47.5	8185	7766	8040	8101	7973	8177	8244	8326	8407	8481
50.0	6704	6586	6811	6642	6794	6902	6918	6922	6988	7060
52.5	5445	5632	5584	5588	5779	5747	5687	5762	5781	5729
55.0	4479	4688	4549	4743	4755	4699	4747	4734	4777	4849
57.5	3787	3766	3849	3908	3845	3906	3901	3971	4015	4036
60.0	3178	3094	3224	3146	3201	3222	3275	3294	3326	3324
62.5	2566	2647	2617	2634	2657	2686	2716	2740	2711	2653
65.0	2137	2204	2184	2208	2209	2243	2262	2244	2271	2291
67.5	1873	1813	1863	1838	1861	1878	1896	1916	1930	1940
70.0	1540	1571	1545	1561	1570	1580	1590	1609	1621	1615
72.5	1289	1294	1306	1316	1302	1311	1328	1333	1323	1323
75.0	1068	1066	1078	1058	1072	1081	1085	1088	1093	1095
77.5	836.2	853.8	837.8	853.1	859.8	861.7	864.1	861.6	867.1	872.5
80.0	647.0	645.3	645.5	645.1	643.9	651.8	657.6	651.9	653.4	656.3
82.5	480.6	455.7	446.3	452.2	453.9	459.8	451.2	415.9	393.8	376.2
85.0	251.7	261.7	279.0	242.8	206.5	175.5	143.4	110.1	82.88	59.13
87.5	58.75	36.90	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	83266	83248	83244	83254	83275	83268	83271	83285	83309	83331
5.0	81417	81496	81585	81654	81748	81787	81846	81869	81884	81894
7.5	79698	79907	80059	80182	80285	80304	80308	80289	80215	80146
10.0	78024	78327	78569	78738	78821	78796	78700	78542	78326	78062
12.5	73665	73696	73768	73874	73988	74080	74162	74229	74265	74262
15.0	68279	68476	68688	68918	69156	69327	69463	69557	69575	69505
17.5	63327	63708	64034	64243	64409	64473	64518	64500	64482	64450
20.0	58758	59180	59450	59614	59663	59589	59447	59272	59019	58800
22.5	52839	52792	52805	52880	52975	53052	53099	53101	53008	52880
25.0	45638	45711	45855	46056	46287	46483	46635	46719	46680	46566
27.5	38829	39099	39316	39493	39647	39750	39867	39987	40143	40346
30.0	32604	32776	32902	32965	33007	33003	33045	33071	33220	33413
32.5	27100	27591	27968	28234	28393	28398	28261	27920	27382	26674
35.0	22684	23027	23333	23577	23779	23900	23924	23774	23450	22947
37.5	18588	18849	19012	19107	19194	19291	19412	19501	19543	19455
40.0	15037	14959	14807	14664	14609	14678	14879	15161	15450	15682
42.5	12107	12314	12483	12603	12668	12658	12575	12412	12163	12083
45.0	10301	10433	10553	10651	10727	10762	10752	10674	10523	10311
47.5	8591	8678	8731	8765	8794	8822	8855	8883	8884	8835
50.0	7067	7020	6952	6889	6861	6882	6953	7055	7161	7243
52.5	5768	5829	5879	5912	5927	5918	5886	5825	5735	5684
55.0	4896	4927	4953	4975	4992	4999	4996	4975	4931	4853
57.5	4062	4069	4065	4060	4058	4062	4078	4101	4121	4125
60.0	3290	3241	3190	3147	3124	3125	3157	3215	3280	3338
62.5	2682	2705	2724	2733	2732	2720	2702	2678	2642	2590
65.0	2307	2319	2330	2339	2341	2337	2331	2322	2306	2274
67.5	1945	1947	1950	1950	1948	1946	1950	1958	1964	1960
70.0	1599	1584	1572	1562	1555	1556	1568	1590	1614	1626

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:20 September 2023

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1321	1323	1326	1329	1328	1327	1328	1332	1335	1330
75.0	1095	1095	1098	1100	1102	1103	1107	1110	1114	1111
77.5	874.1	873.4	872.9	873.5	874.8	878.2	882.0	884.7	887.2	888.1
80.0	656.8	653.3	648.7	647.0	647.8	653.1	657.2	657.8	658.0	659.9
82.5	360.0	344.4	332.2	325.4	323.9	328.6	336.6	346.3	359.0	375.8
85.0	38.58	21.87	9.749	2.446	0	2.470	9.877	21.99	38.47	59.06
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	84802	84802	84802	84802	84802	84802	84802	84802	84802	84802
2.5	83336	83349	83372	83404	83444	83483	83518	83563	83619	83686
5.0	81865	81849	81809	81762	81731	81701	81666	81657	81673	81718
7.5	80050	79954	79872	79803	79710	79514	79316	79158	79039	78945
10.0	77763	77436	77151	76920	76710	76575	76500	76116	75743	75463
12.5	74259	74305	74062	73534	73067	72704	72462	72370	71994	71516
15.0	69420	69327	69211	69088	68876	68310	67936	67722	67729	67133
17.5	64504	64385	64047	63725	63534	63448	62941	62526	62409	62327
20.0	58649	58521	58524	58406	57947	57520	57240	56838	56648	56799
22.5	52588	52205	52047	52084	52267	51561	51125	50848	50470	50542
25.0	46258	45866	45350	45101	45211	45693	44856	44089	43593	43664
27.5	40191	39795	39092	38204	38084	38430	38643	37589	36830	36828
30.0	33701	33969	33465	32536	31377	31455	32010	31680	30572	30233
32.5	27118	27546	27891	27560	26437	25248	25810	26422	25287	24655
35.0	22254	21661	22254	22552	22273	21184	20620	21219	20954	20050
37.5	18999	18417	17630	17946	18263	17861	16906	17024	17437	16567
40.0	15788	15653	15067	14469	14614	14887	14279	13746	14251	13798
42.5	12502	12747	12804	12346	11825	12031	12155	11461	11570	11573
45.0	10016	10013	10328	10459	10098	9704	10004	9725	9451	9773
47.5	8643	8381	8117	8440	8608	8245	8128	8321	7798	8124
50.0	7271	7186	6962	6695	6963	7025	6706	6844	6634	6671
52.5	5824	5915	5939	5748	5506	5745	5699	5552	5658	5434
55.0	4716	4658	4792	4869	4692	4550	4781	4559	4690	4414
57.5	4048	3927	3768	3892	3973	3798	3788	3853	3760	3719
60.0	3366	3354	3249	3112	3178	3246	3052	3191	3056	3160
62.5	2664	2724	2745	2687	2577	2632	2637	2542	2614	2618
65.0	2224	2159	2208	2253	2237	2154	2210	2151	2203	2140
67.5	1936	1890	1840	1814	1873	1879	1812	1869	1793	1827
70.0	1627	1617	1599	1564	1533	1572	1581	1538	1558	1589
72.5	1318	1328	1333	1333	1322	1299	1313	1318	1316	1280
75.0	1104	1093	1082	1079	1088	1099	1074	1084	1081	1097
77.5	888.8	888.6	882.4	871.9	859.7	858.6	874.5	865.3	872.2	844.3
80.0	664.9	670.9	673.4	673.1	674.4	663.9	649.2	669.9	661.1	673.2
82.5	398.5	425.9	451.8	461.6	472.0	475.2	471.6	464.4	466.8	467.8
85.0	83.92	112.8	143.5	175.2	212.8	246.0	260.4	253.3	264.3	258.7
87.5	0	0	0	0	0	0	0	32.73	51.36	56.50
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	84802	84802								
2.5	83764	83852								
5.0	81792	81898								
7.5	78914	78952								
10.0	75282	75208								
12.5	71165	70970								
15.0	66549	66172								
17.5	61501	60942								
20.0	56050	55276								
22.5	50219	49158								
25.0	43884	42604								
27.5	37384	36024								
30.0	30766	29838								
32.5	25040	24503								
35.0	20329	20122								
37.5	16554	16556								
40.0	13565	13740								
42.5	11196	11507								
45.0	9266	9632								
47.5	7776	8022								
50.0	6557	6684								
52.5	5527	5542								
55.0	4633	4555								
57.5	3856	3722								
60.0	3119	3049								
62.5	2536	2514								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:20 September 2023

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	2104	2119
67.5	1834	1823
70.0	1593	1575
72.5	1290	1339
75.0	1080	1056
77.5	841.3	820.4
80.0	665.2	653.0
82.5	467.1	473.7
85.0	270.0	296.8
87.5	77.78	64.76
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:20 September 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

50% Beam Angle : 50°-H X 51°-V

one-half-peak spread: U:24.7,D:26.5 , L:25.8,R:24.9

TOTAL FLUX : 74009 lm

LOR : 100.0%

AVAILABILITY FLUX : 64115 lm

AVAILABILITY : 86.6%

