



IES ROAD REPORT

PHOTOMETRIC FILENAME : XMR-FT-LED-35-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-7788

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]11/21/16

[TEST DATE]05/06/16

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]XMR-FT-LED-35-30

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCE TYPE] LED

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28742
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	315.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	17157
Maximum Candela Angle	40H 67.5V
Maximum Candela (<90 Degrees Vertical)	17157
Maximum Candela Angle (<90 Degrees Vertical)	40H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3961 (13.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-FT-LED-35-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1650.8	N.A.	5.7
FM - Front-Medium (30-60)	9871.4	N.A.	34.3
FH - Front-High (60-80)	9029.9	N.A.	31.4
FVH - Front-Very High (80-90)	420.3	N.A.	1.5
BL - Back-Low (0-30)	1750.6	N.A.	6.1
BM - Back-Medium (30-60)	4266.1	N.A.	14.8
BH - Back-High (60-80)	1634.4	N.A.	5.7
BVH - Back-Very High (80-90)	118.9	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	28742.4	N.A.	100.0
BUG Rating	B3-U0-G4		

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-FT-LED-35-30.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	3705	3705	3705	3705	3705	3705	3705	3705	3705	3705
2.5	3629	3634	3629	3647	3655	3670	3673	3686	3703	3708
5.0	3448	3452	3456	3492	3526	3554	3573	3617	3659	3698
7.5	3270	3276	3290	3335	3388	3429	3462	3548	3631	3703
10.0	3136	3138	3166	3222	3291	3342	3387	3494	3601	3714
12.5	3055	3064	3097	3162	3248	3307	3360	3478	3604	3740
15.0	3056	3069	3109	3191	3278	3340	3398	3526	3652	3789
17.5	3156	3167	3211	3301	3386	3450	3506	3621	3734	3854
20.0	3358	3363	3407	3509	3593	3651	3691	3765	3841	3927
22.5	3669	3672	3710	3799	3888	3957	3954	3970	3985	4020
25.0	4065	4065	4098	4179	4272	4323	4321	4256	4184	4138
27.5	4525	4522	4551	4622	4722	4749	4751	4618	4431	4280
30.0	4992	5017	5027	5103	5191	5250	5268	5058	4732	4441
32.5	5452	5482	5504	5618	5682	5753	5803	5570	5086	4634
35.0	5899	5935	6000	6106	6196	6273	6355	6131	5498	4867
37.5	6372	6412	6516	6613	6742	6828	6932	6737	5995	5165
40.0	6897	6940	7055	7168	7332	7433	7543	7383	6536	5530
42.5	7484	7562	7656	7794	7994	8100	8210	8115	7161	6004
45.0	8158	8239	8351	8560	8746	8855	8959	8934	7931	6567
47.5	8950	8958	9122	9407	9617	9725	9823	9865	8761	7289
50.0	9590	9608	9866	10320	10583	10714	10848	10931	9730	8010
52.5	9970	10014	10389	11121	11672	11891	12033	12123	10722	8731
55.0	10177	10233	10708	11737	12656	13029	13207	13253	11680	9384
57.5	10391	10464	11043	12264	13500	14196	14657	14453	12571	9885
60.0	10780	10864	11489	12841	14601	15325	15775	15470	13211	9974
62.5	11060	11145	11901	13523	15677	16328	16605	15859	13189	9477
65.0	11083	11170	11920	13940	16494	17071	17014	15481	12267	8338
67.5	11024	11136	12081	14034	16547	17157	16971	14173	10330	6358
70.0	9931	10108	11312	13814	15794	15971	15696	11953	7657	4289
72.5	7640	7917	9289	11997	14171	14118	13121	9002	4879	2466
75.0	4362	4812	6406	8693	11267	11117	10003	5815	2620	1260
77.5	1782	1935	3267	5400	7052	7415	6439	3276	1330	767
80.0	985	1066	1864	2930	3564	3961	3651	1742	796	533
82.5	700	739	1355	1965	2078	2224	1996	895	535	329
85.0	497	551	1005	1387	1457	1171	823	353	298	195
87.5	371	408	739	682	864	423	131	128	107	85
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	3705	3705	3705	3705	3705	3705	3705	3705	3705	3705
2.5	3719	3742	3742	3732	3742	3753	3758	3759	3753	3751
5.0	3733	3762	3773	3774	3794	3813	3835	3840	3840	3843
7.5	3766	3806	3823	3836	3863	3883	3909	3919	3923	3930
10.0	3808	3855	3877	3890	3919	3951	3978	3993	4011	4030
12.5	3862	3914	3939	3943	3978	4008	4051	4091	4118	4138
15.0	3934	3984	4006	3994	4025	4070	4140	4187	4191	4193
17.5	3999	4049	4071	4033	4069	4145	4223	4237	4224	4214
20.0	4056	4108	4126	4063	4110	4210	4275	4261	4235	4236
22.5	4112	4161	4175	4079	4149	4264	4294	4265	4258	4290
25.0	4171	4209	4212	4075	4170	4291	4298	4266	4293	4351
27.5	4229	4245	4231	4053	4171	4293	4274	4257	4324	4409

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-FT-LED-35-30.IES

CANDELA TABULATION - (Cont.)

30.0	4281	4267	4237	4014	4152	4271	4233	4234	4351	4488
32.5	4345	4287	4235	3957	4108	4226	4174	4190	4384	4583
35.0	4419	4307	4228	3891	4040	4151	4087	4124	4413	4700
37.5	4527	4347	4223	3805	3949	4054	3975	4032	4440	4871
40.0	4691	4415	4232	3709	3818	3932	3837	3909	4479	5106
42.5	4915	4516	4251	3603	3649	3774	3675	3759	4610	5018
45.0	5208	4664	4291	3494	3465	3595	3494	3594	4804	4607
47.5	5590	4864	4354	3398	3269	3414	3303	3450	4760	4149
50.0	6003	5080	4417	3294	3059	3226	3101	3373	4460	3762
52.5	6418	5290	4479	3195	2852	3034	2909	3291	4055	3472
55.0	6773	5482	4501	3081	2644	2841	2711	3092	3627	3237
57.5	6949	5512	4434	2957	2445	2645	2519	2849	3224	2996
60.0	6771	5320	4132	2803	2245	2444	2342	2609	2791	2746
62.5	6166	4760	3549	2563	2019	2224	2169	2359	2409	2587
65.0	5136	3819	2691	2229	1772	1993	1988	2130	2101	2436
67.5	3746	2751	1883	1773	1498	1711	1760	1906	1822	2265
70.0	2401	1848	1247	1331	1212	1395	1515	1657	1566	2038
72.5	1249	1009	818	930	947	1101	1263	1386	1316	1764
75.0	691	551	544	663	726	850	1018	1118	1093	1435
77.5	473	397	386	490	559	660	809	844	867	1040
80.0	322	279	282	370	443	536	619	476	513	592
82.5	206	179	194	272	334	321	367	355	329	370
85.0	121	98	115	179	178	176	204	218	189	223
87.5	48	32	43	72	75	86	93	98	88	81
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

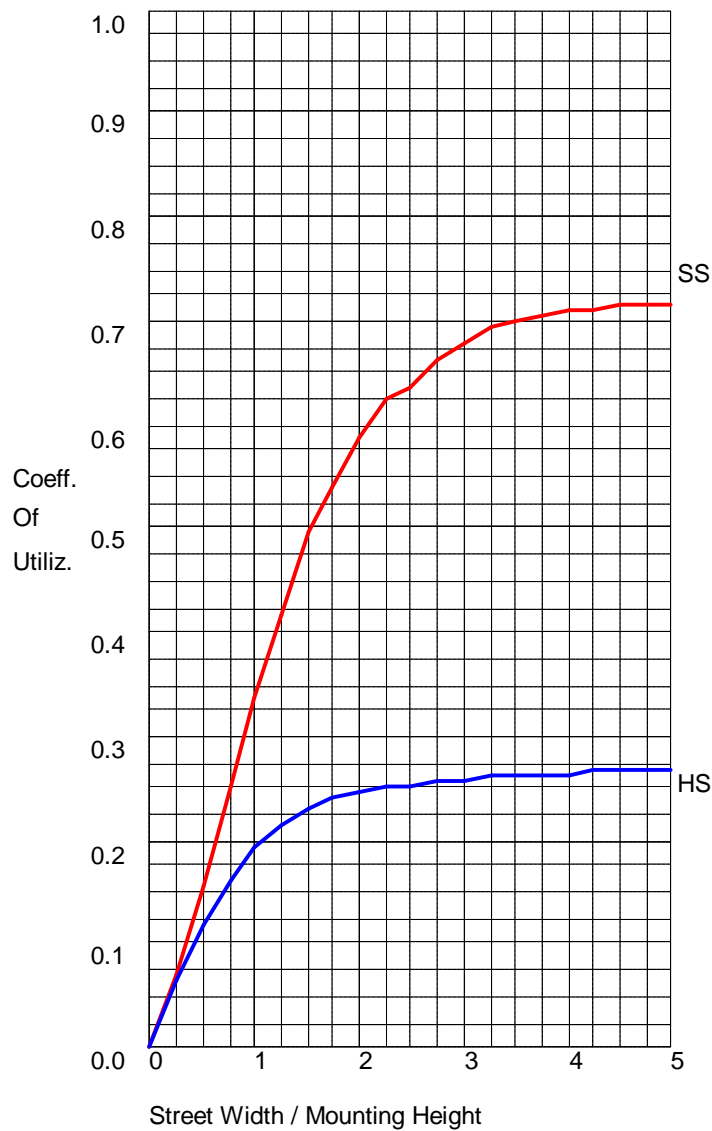
	<u>175</u>	<u>180</u>
0.0	3705	3705
2.5	3741	3725
5.0	3834	3818
7.5	3924	3907
10.0	4027	4010
12.5	4135	4124
15.0	4185	4171
17.5	4201	4185
20.0	4239	4224
22.5	4312	4301
25.0	4377	4365
27.5	4433	4421
30.0	4499	4475
32.5	4569	4531
35.0	4657	4614
37.5	4762	4669
40.0	4549	4408
42.5	4122	3949
45.0	3744	3628
47.5	3475	3396
50.0	3273	3196
52.5	3085	3003
55.0	2899	2813
57.5	2688	2589
60.0	2490	2386
62.5	2390	2278
65.0	2322	2198

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-FT-LED-35-30.IES

CANDELA TABULATION - (Cont.)

67.5	2260	2142
70.0	2183	2096
72.5	2070	2035
75.0	1845	1809
77.5	1345	1351
80.0	871	927
82.5	504	511
85.0	270	246
87.5	99	78
90.0	0	0

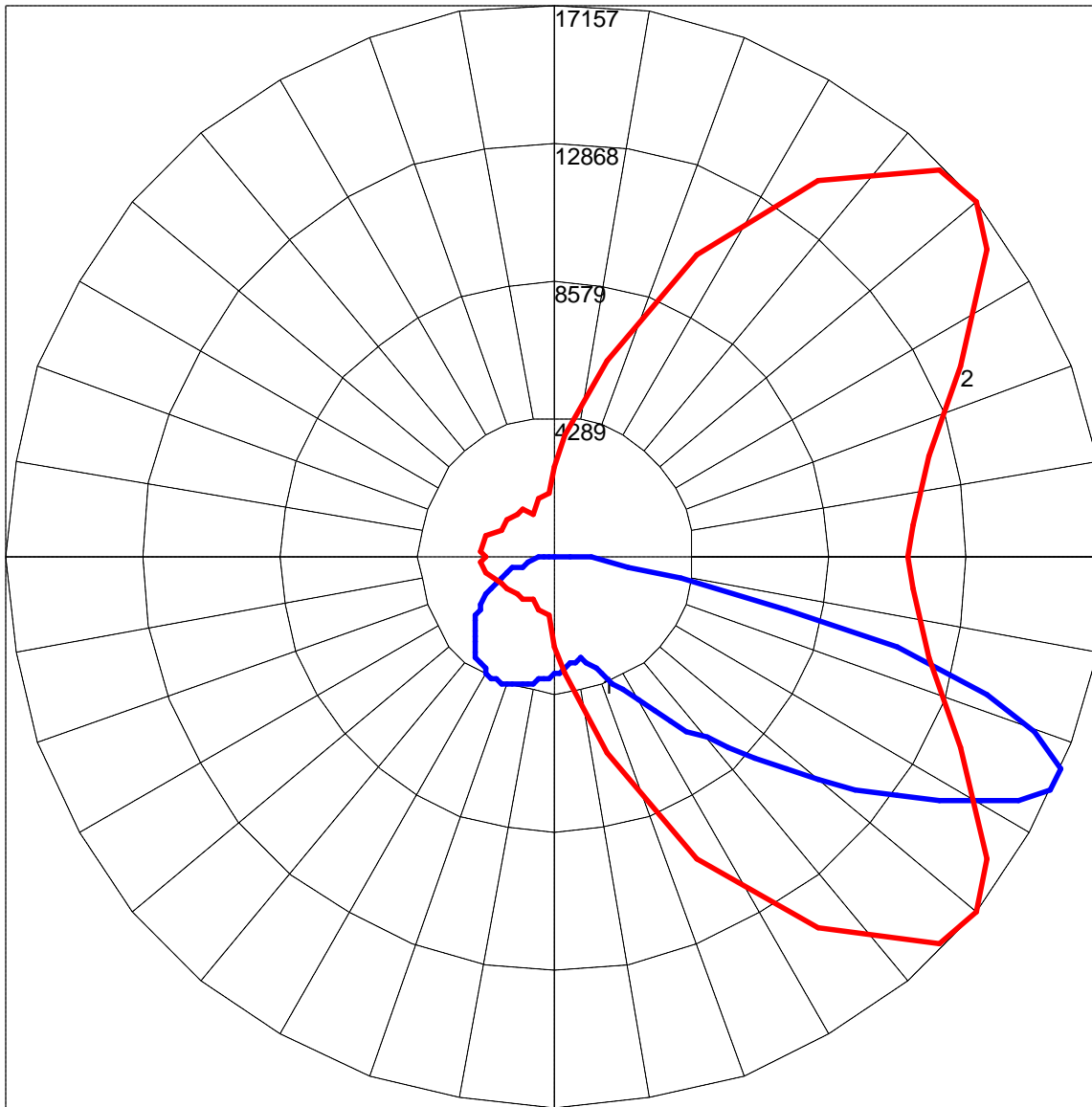
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

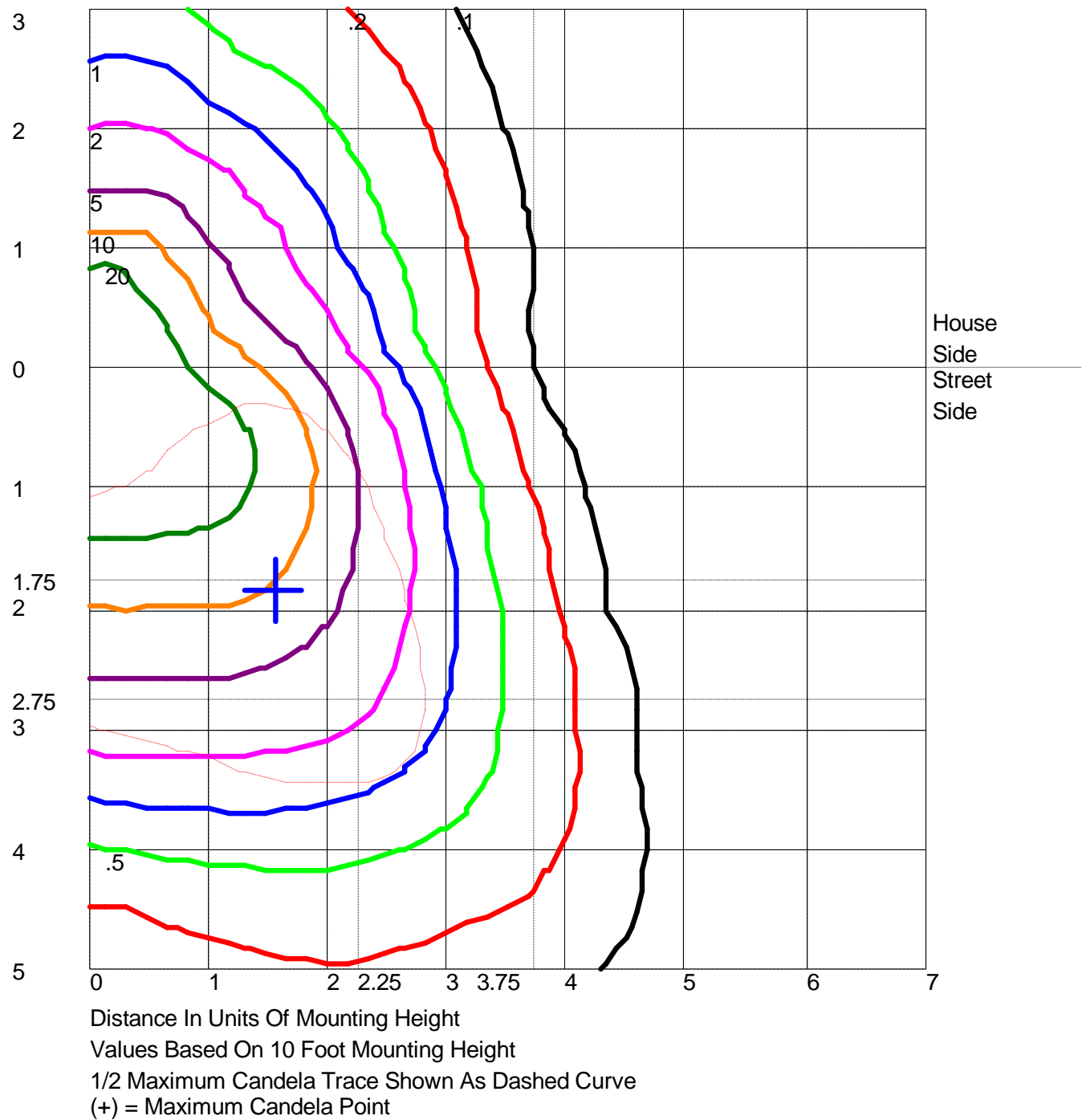
	Lumens	Percent Of Luminaire
Downward Street Side	20972.3	73.0
Downward House Side	7770.0	27.0
Downward Total	28742.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28742.3	100.0

POLAR GRAPH

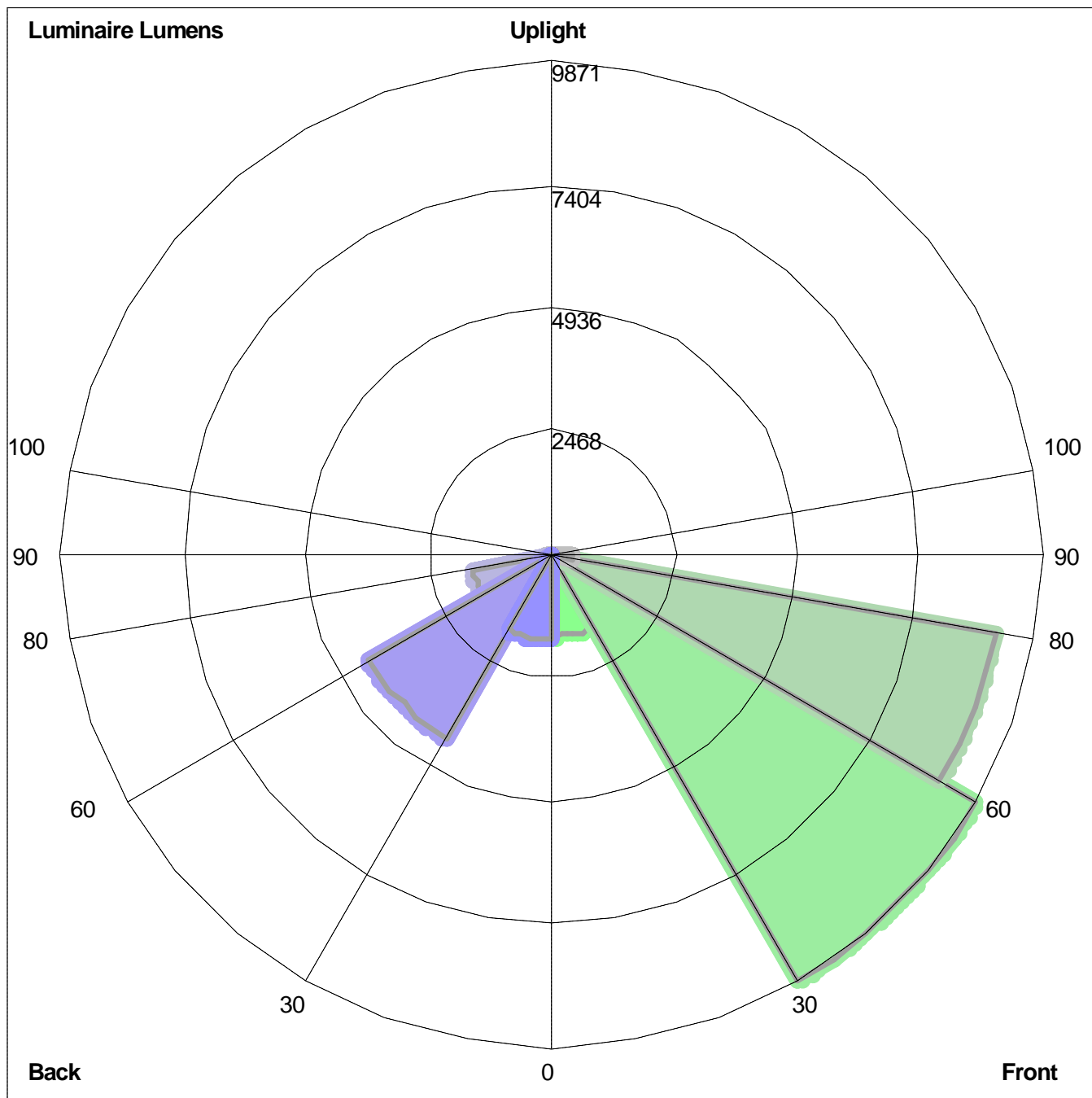


Maximum Candela = 17157 Located At Horizontal Angle = 40, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1650.8, Medium=9871.4, High=9029.9, Very High=420.3
Back: Low=1750.6, Medium=4266.1, High=1634.4, Very High=118.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G4