



IES ROAD REPORT

PHOTOMETRIC FILENAME : XMR-2-LED-29-50-IL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8625
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]03/01/17
[TESTDATE]03/01/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]XMR-2-LED-29-50-IL
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21034
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	239.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21729
Maximum Candela Angle	80H 67.5V
Maximum Candela (<90 Degrees Vertical)	21729
Maximum Candela Angle (<90 Degrees Vertical)	80H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1720 (8.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-2-LED-29-50-IL.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1996.5	N.A.	9.5
FM - Front-Medium (30-60)	9503.8	N.A.	45.2
FH - Front-High (60-80)	6253.9	N.A.	29.7
FVH - Front-Very High (80-90)	90.8	N.A.	0.4
BL - Back-Low (0-30)	1005.5	N.A.	4.8
BM - Back-Medium (30-60)	1549.6	N.A.	7.4
BH - Back-High (60-80)	628.3	N.A.	3.0
BVH - Back-Very High (80-90)	5.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	21033.6	N.A.	100.0
BUG Rating	B3-U0-G3		

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-2-LED-29-50-IL.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>80</u>
0.0	3928	3928	3928	3928	3928	3928	3928	3928	3928	3928
2.5	3965	3960	3961	3964	3968	3963	3964	3954	3946	3939
5.0	4032	4028	4031	4035	4042	4037	4034	4015	4001	3989
7.5	4104	4100	4106	4118	4123	4115	4109	4085	4066	4047
10.0	4188	4186	4194	4210	4218	4205	4195	4170	4147	4126
12.5	4291	4288	4302	4320	4328	4316	4322	4297	4277	4249
15.0	4369	4368	4396	4436	4462	4470	4492	4468	4443	4408
17.5	4404	4408	4444	4508	4582	4654	4698	4685	4644	4605
20.0	4441	4446	4485	4571	4682	4819	4929	4923	4872	4824
22.5	4485	4488	4532	4659	4789	4943	5156	5202	5119	5066
25.0	4493	4493	4565	4722	4894	5058	5337	5502	5413	5355
27.5	4502	4510	4596	4776	4984	5167	5478	5826	5743	5684
30.0	4583	4593	4680	4861	5088	5293	5627	6144	6144	6067
32.5	4751	4758	4840	5002	5225	5457	5804	6422	6561	6475
35.0	5014	5013	5082	5218	5410	5673	6020	6667	7001	6916
37.5	5368	5361	5404	5520	5678	5946	6284	6900	7471	7398
40.0	5784	5771	5800	5880	6013	6290	6593	7165	7916	7928
42.5	6294	6269	6271	6324	6422	6731	6970	7446	8328	8419
45.0	6976	6983	6913	6913	6910	7265	7410	7714	8684	8931
47.5	7951	7959	7968	7844	7682	7953	8010	8059	9078	9553
50.0	8811	8838	8851	8898	8932	9065	8835	8562	9559	10247
52.5	8919	8935	9042	9380	10006	10781	10113	9245	10156	11071
55.0	8491	8535	8744	9224	10314	12082	12408	10274	10839	12068
57.5	7687	7753	8065	8601	9968	12328	14596	11806	11712	13147
60.0	6273	6362	6716	7302	8824	11589	16186	14248	12878	14656
62.5	3554	3658	4072	4997	6511	9472	17067	17639	14075	16809
65.0	1218	1261	1372	1963	3477	5989	16813	19661	15788	19324
67.5	651	648	655	782	1339	2735	13500	19915	18002	21729
70.0	417	408	420	487	678	1106	6530	17522	18809	21160
72.5	210	216	228	294	443	664	2324	11925	17251	15413
75.0	109	111	111	155	276	475	1084	5375	9258	6156
77.5	60	62	64	84	142	300	591	2513	3656	2026
80.0	53	54	52	59	76	142	304	888	1720	887
82.5	53	52	49	52	65	92	147	399	766	481
85.0	47	46	44	45	54	84	137	251	429	309
87.5	24	22	23	28	38	70	141	297	320	202
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	3928	3928	3928	3928	3928	3928	3928	3928	3928	3928
2.5	3933	3920	3935	3937	3940	3932	3920	3921	3917	3915
5.0	3981	3963	3974	3966	3957	3930	3897	3872	3843	3820
7.5	4029	4007	4013	3991	3956	3892	3816	3743	3667	3597
10.0	4103	4072	4071	4027	3946	3816	3661	3526	3380	3228
12.5	4224	4186	4182	4100	3954	3715	3415	3090	2747	2440
15.0	4372	4323	4308	4182	3951	3559	2938	2335	1824	1463
17.5	4556	4489	4462	4272	3923	3201	2214	1460	977	772
20.0	4760	4689	4637	4369	3835	2624	1485	850	556	477
22.5	4990	4916	4834	4473	3604	1962	933	522	437	406
25.0	5271	5187	5081	4598	3217	1387	586	443	396	366
27.5	5595	5498	5370	4719	2730	919	477	406	359	327

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-2-LED-29-50-IL.IES

CANDELA TABULATION - (Cont.)

30.0	5998	5875	5720	4785	2192	609	437	369	323	287
32.5	6413	6287	6102	4783	1573	504	397	332	282	237
35.0	6851	6712	6485	4666	1047	458	356	291	227	173
37.5	7333	7184	6903	4402	695	412	314	236	156	108
40.0	7850	7695	7353	3956	541	365	267	169	93	63
42.5	8405	8213	7781	3291	480	321	209	104	52	34
45.0	8959	8752	8216	2507	431	275	142	57	24	14
47.5	9600	9395	8621	1708	384	225	89	28	9	4
50.0	10385	10178	9014	1083	336	168	52	13	3	1
52.5	11266	11003	9288	747	290	115	25	6	2	1
55.0	12369	11992	9452	652	251	74	15	4	3	2
57.5	13636	13131	9490	675	232	45	9	4	4	4
60.0	15124	14304	9209	704	227	24	7	4	5	5
62.5	17529	15724	8543	681	220	16	6	4	5	4
65.0	19368	16808	7151	579	187	23	5	4	3	2
67.5	20732	16475	5004	389	129	16	5	2	3	6
70.0	18566	13111	2472	182	67	13	3	3	4	2
72.5	11679	7020	916	80	34	11	2	2	1	0
75.0	4428	2734	411	34	14	6	2	0	0	0
77.5	1233	827	235	15	8	3	1	0	0	0
80.0	576	416	146	10	5	2	0	0	0	0
82.5	293	219	75	9	5	0	0	0	0	0
85.0	180	125	30	7	2	1	1	1	1	0
87.5	104	52	10	3	3	2	2	2	1	1
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

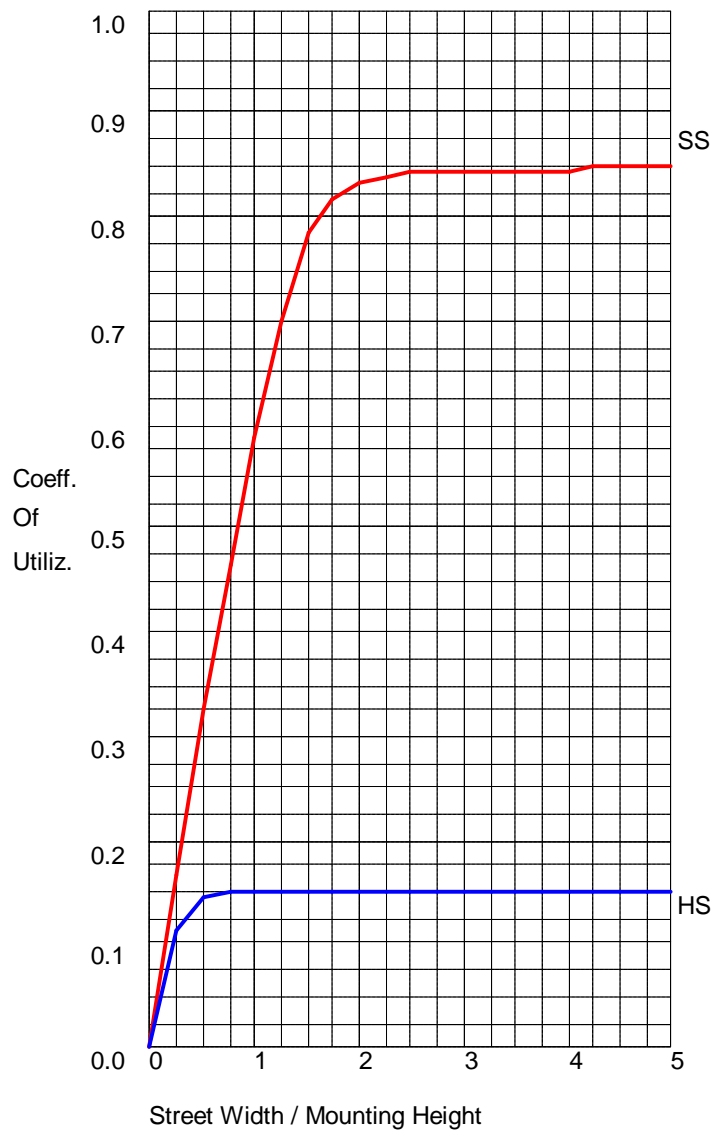
	175	180
0.0	3928	3928
2.5	3909	3899
5.0	3797	3786
7.5	3561	3548
10.0	3143	3123
12.5	2283	2257
15.0	1308	1286
17.5	672	661
20.0	451	446
22.5	393	392
25.0	352	350
27.5	312	309
30.0	267	266
32.5	213	211
35.0	148	142
37.5	90	85
40.0	51	50
42.5	27	27
45.0	10	9
47.5	0	0
50.0	0	0
52.5	0	0
55.0	0	0
57.5	2	1
60.0	3	2
62.5	1	0
65.0	0	0

IES ROAD REPORT
PHOTOMETRIC FILENAME : XMR-2-LED-29-50-IL.IES

CANDELA TABULATION - (Cont.)

67.5	3	3
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

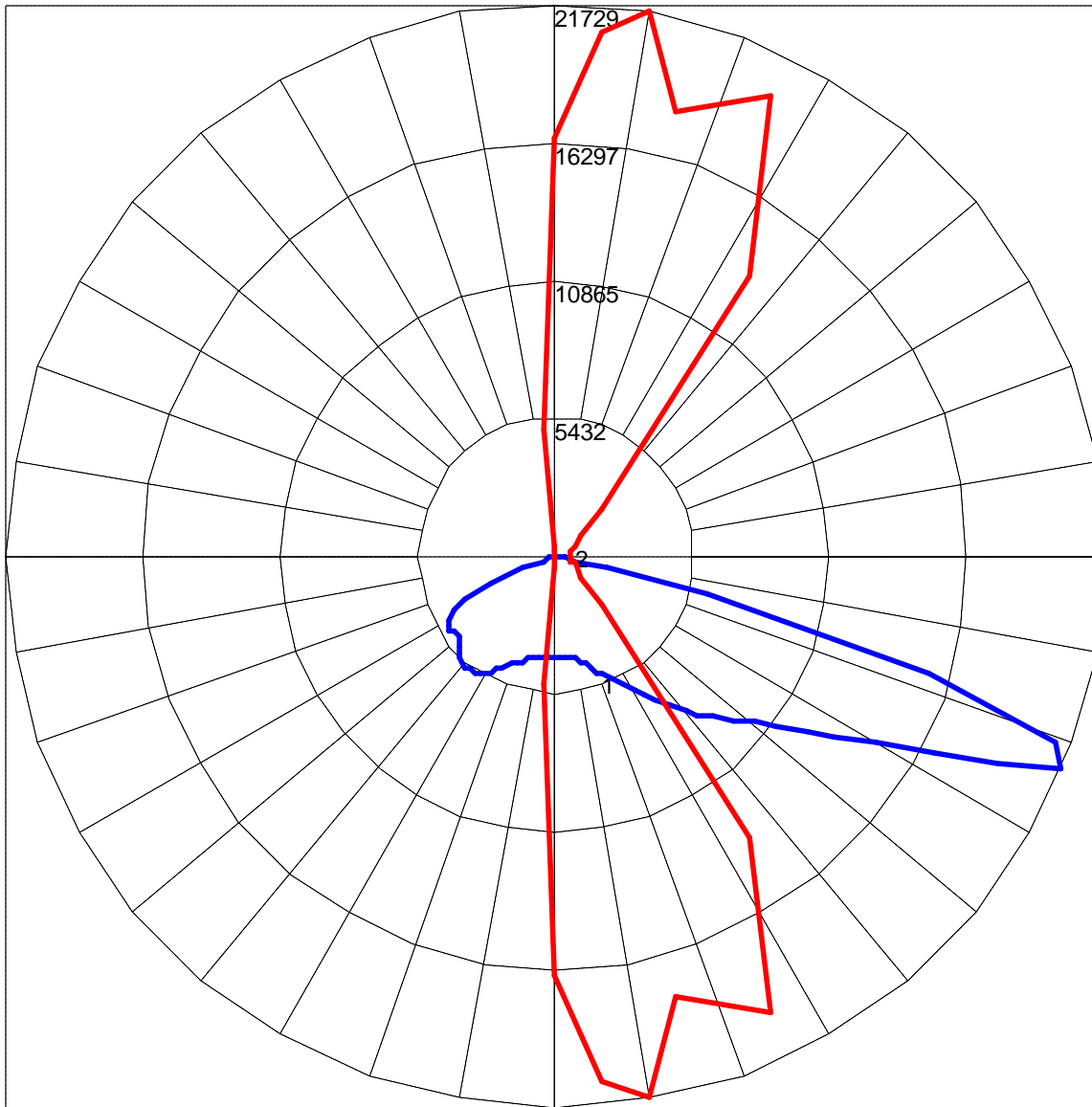
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

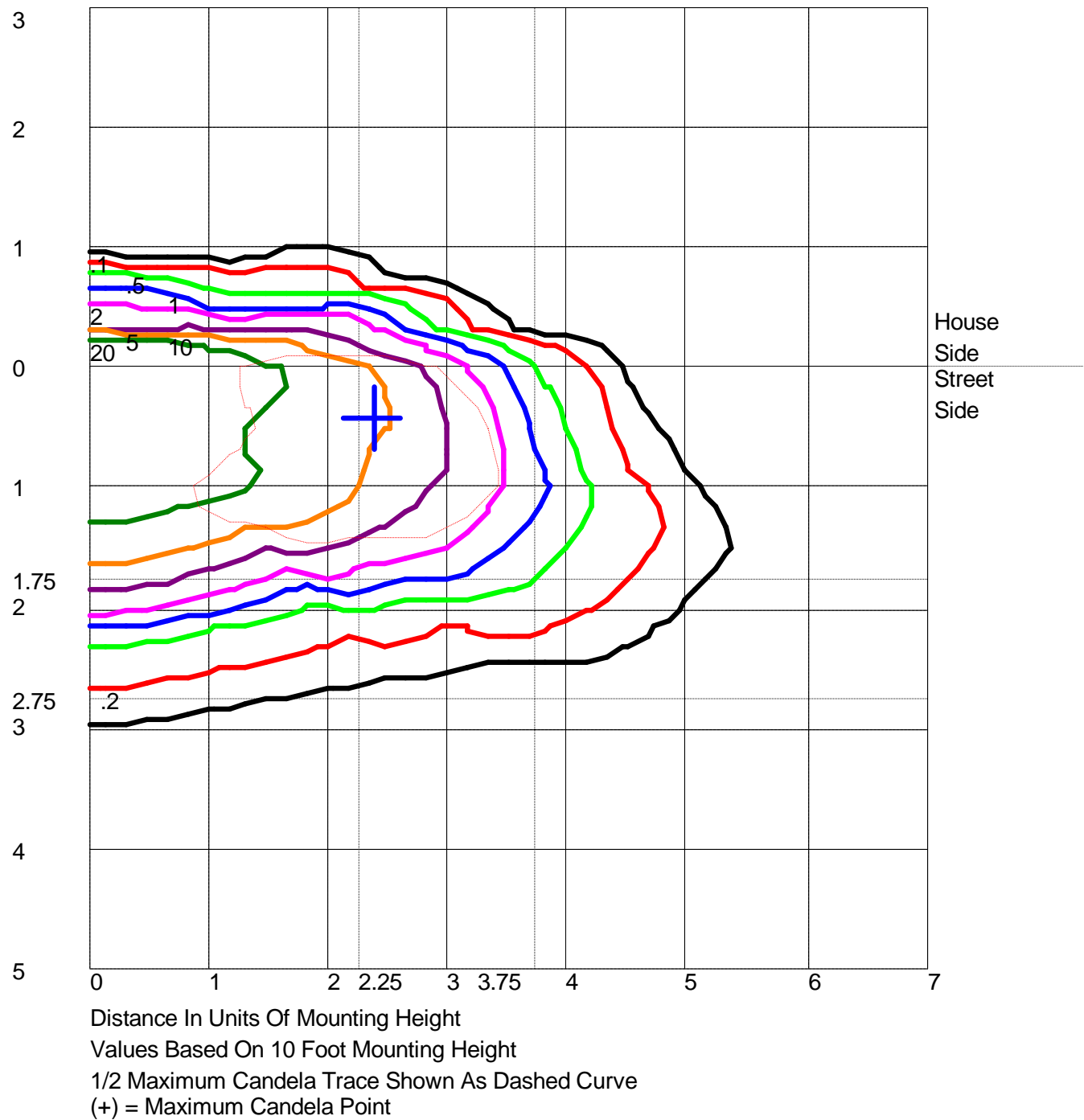
	Lumens	Percent Of Luminaire
Downward Street Side	17845.0	84.8
Downward House Side	3188.6	15.2
Downward Total	21033.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	21033.6	100.0

POLAR GRAPH

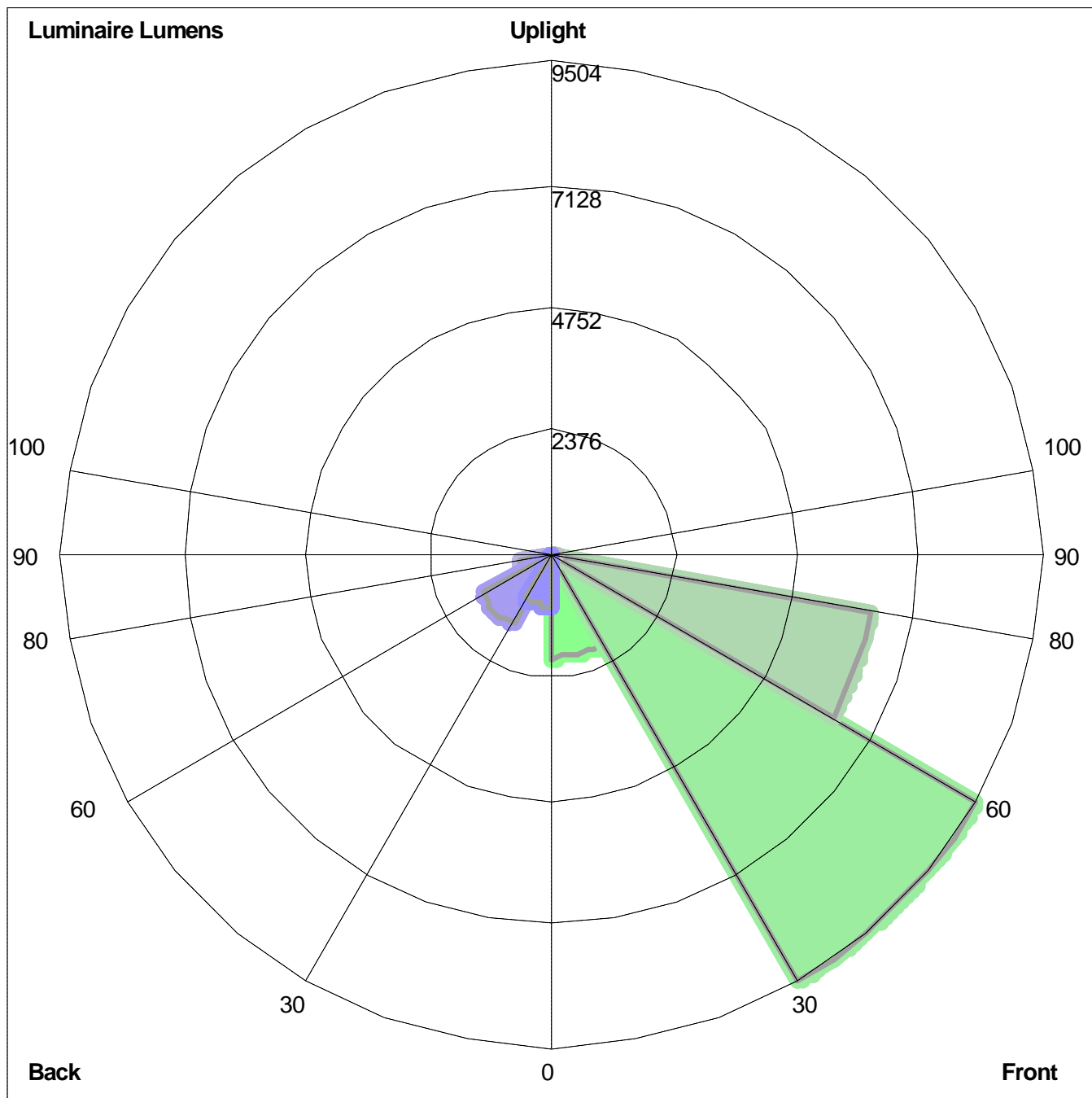


Maximum Candela = 21729 Located At Horizontal Angle = 80, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1996.5, Medium=9503.8, High=6253.9, Very High=90.8
Back: Low=1005.5, Medium=1549.6, High=628.3, Very High=5.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3