



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-UD-06L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12873
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 08/26/2021
[TEST DATE] 08/04/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] GSR-UD-06L-30
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] OUTDOOR
[SEARCH_COLORTEMP] 3000

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6348
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1044
Maximum Candela Angle	90H 175V
Maximum Candela (<90 Degrees Vertical)	1009
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	7 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	90 (1.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	408.2	N.A.	6.4
FM - Front-Medium (30-60)	853.6	N.A.	13.4
FH - Front-High (60-80)	304.7	N.A.	4.8
FVH - Front-Very High (80-90)	15.0	N.A.	0.2
BL - Back-Low (0-30)	408.2	N.A.	6.4
BM - Back-Medium (30-60)	853.6	N.A.	13.4
BH - Back-High (60-80)	304.7	N.A.	4.8
BVH - Back-Very High (80-90)	15.0	N.A.	0.2
UL - Uplight-Low (90-100)	21.9	N.A.	0.3
UH - Uplight-High (100-180)	3163.2	N.A.	49.8
Total	6348.1	N.A.	100.0
BUG Rating	B1-U5-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	988	988	988	988	988	988	988	988	988	988
2.5	971	971	972	979	986	992	996	1001	1005	1007
5.0	972	973	974	980	987	993	997	1002	1005	1007
7.5	973	973	975	981	988	994	998	1002	1006	1007
10.0	974	973	975	980	987	992	997	1000	1004	1005
12.5	974	972	974	978	985	991	994	997	1001	1002
15.0	973	971	973	976	982	988	991	994	996	998
17.5	971	969	970	974	979	984	987	989	992	993
20.0	966	965	965	969	974	979	981	983	985	987
22.5	958	958	959	963	969	974	975	974	977	978
25.0	949	948	949	953	959	964	966	966	967	968
27.5	937	937	937	940	946	952	954	955	956	956
30.0	922	921	922	925	931	935	938	939	940	941
32.5	902	902	902	906	911	915	919	920	921	922
35.0	881	880	880	884	888	893	896	899	900	901
37.5	855	854	853	858	863	868	871	874	875	875
40.0	828	828	827	831	835	841	844	847	848	848
42.5	798	797	797	801	805	811	814	817	818	818
45.0	768	766	765	769	774	777	781	785	786	787
47.5	732	731	731	734	739	742	745	750	751	752
50.0	693	693	694	697	701	705	707	709	713	714
52.5	652	653	653	656	659	662	664	668	671	672
55.0	609	609	611	614	616	618	621	623	627	628
57.5	563	563	564	568	570	572	575	577	579	580
60.0	515	515	517	518	522	524	526	527	529	527
62.5	465	465	464	464	469	473	473	474	476	474
65.0	412	412	411	411	414	417	420	420	420	419
67.5	354	356	355	356	358	361	363	366	363	362
70.0	296	299	300	300	301	303	307	304	300	300
72.5	240	242	243	244	246	247	246	243	243	241
75.0	185	185	188	189	191	191	189	187	184	185
77.5	124	125	131	135	137	137	135	135	132	132
80.0	70	70	74	78	84	90	89	88	87	84
82.5	28	28	30	34	39	45	51	51	50	49
85.0	9	9	9	10	13	15	21	25	24	23
87.5	6	6	6	7	7	8	9	9	9	9
90.0	4	4	5	5	6	6	7	7	6	6
92.5	7	6	7	7	8	8	9	8	8	9
95.0	8	8	9	9	9	10	12	16	20	22
97.5	12	13	15	17	21	26	30	38	45	47
100.0	34	35	38	42	48	57	63	75	84	85
102.5	73	74	75	84	88	98	112	123	130	131
105.0	123	121	122	133	137	154	169	182	188	184
107.5	181	180	179	183	201	213	227	247	245	244
110.0	237	238	247	252	258	280	295	307	307	312
112.5	298	298	301	310	333	337	367	371	375	375
115.0	354	355	368	385	388	409	425	431	437	440
117.5	430	432	433	437	446	481	483	487	493	498
120.0	479	481	483	491	525	535	539	544	547	551
122.5	532	532	539	566	582	587	594	598	599	603
125.0	607	606	616	626	631	636	641	647	649	652
127.5	669	667	667	670	677	683	687	692	694	697
130.0	711	710	711	716	720	724	729	733	737	741

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CANDELA TABULATION - (Cont.)

132.5	751	749	751	757	760	764	769	772	776	778
135.0	788	787	789	794	797	800	807	810	813	814
137.5	820	818	820	826	831	834	839	842	847	849
140.0	849	849	851	856	861	867	870	870	878	879
142.5	876	879	880	884	891	897	900	901	906	905
145.0	902	904	904	910	918	922	925	928	931	929
147.5	925	926	928	935	940	944	949	950	953	951
150.0	948	949	951	956	960	965	968	970	971	971
152.5	967	966	968	973	977	981	984	986	989	988
155.0	979	978	981	985	989	992	995	998	1001	1001
157.5	987	988	990	993	998	1003	1007	1009	1010	1012
160.0	992	993	995	1000	1005	1010	1014	1017	1019	1021
162.5	996	996	999	1007	1011	1015	1021	1023	1026	1027
165.0	999	1000	1003	1011	1016	1022	1026	1028	1031	1033
167.5	1003	1001	1006	1013	1020	1025	1029	1032	1036	1038
170.0	1004	1003	1008	1014	1022	1027	1031	1035	1039	1041
172.5	1003	1002	1008	1013	1022	1027	1033	1037	1041	1043
175.0	1002	1002	1008	1012	1021	1027	1033	1036	1041	1043
177.5	1000	1001	1006	1011	1020	1026	1032	1035	1040	1042
180.0	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021

Vert. Horizontal Angles

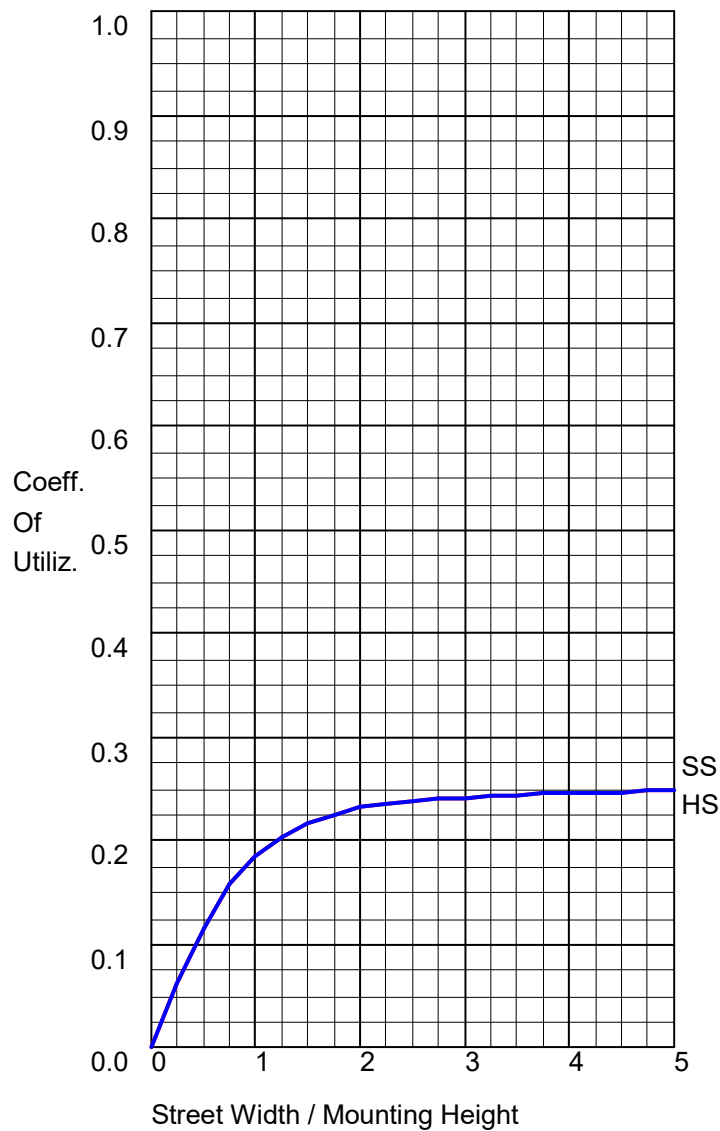
	90
0.0	988
2.5	1008
5.0	1009
7.5	1008
10.0	1006
12.5	1004
15.0	999
17.5	994
20.0	988
22.5	979
25.0	970
27.5	957
30.0	943
32.5	924
35.0	902
37.5	877
40.0	849
42.5	819
45.0	787
47.5	753
50.0	715
52.5	672
55.0	628
57.5	581
60.0	528
62.5	474
65.0	418
67.5	361
70.0	298
72.5	239
75.0	182
77.5	131

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CANDELA TABULATION - (Cont.)

80.0	83
82.5	47
85.0	23
87.5	9
90.0	6
92.5	9
95.0	23
97.5	47
100.0	83
102.5	131
105.0	183
107.5	241
110.0	305
112.5	374
115.0	437
117.5	494
120.0	547
122.5	601
125.0	650
127.5	694
130.0	741
132.5	778
135.0	816
137.5	850
140.0	879
142.5	906
145.0	930
147.5	952
150.0	971
152.5	989
155.0	1001
157.5	1012
160.0	1022
162.5	1028
165.0	1034
167.5	1040
170.0	1042
172.5	1044
175.0	1044
177.5	1043
180.0	1021

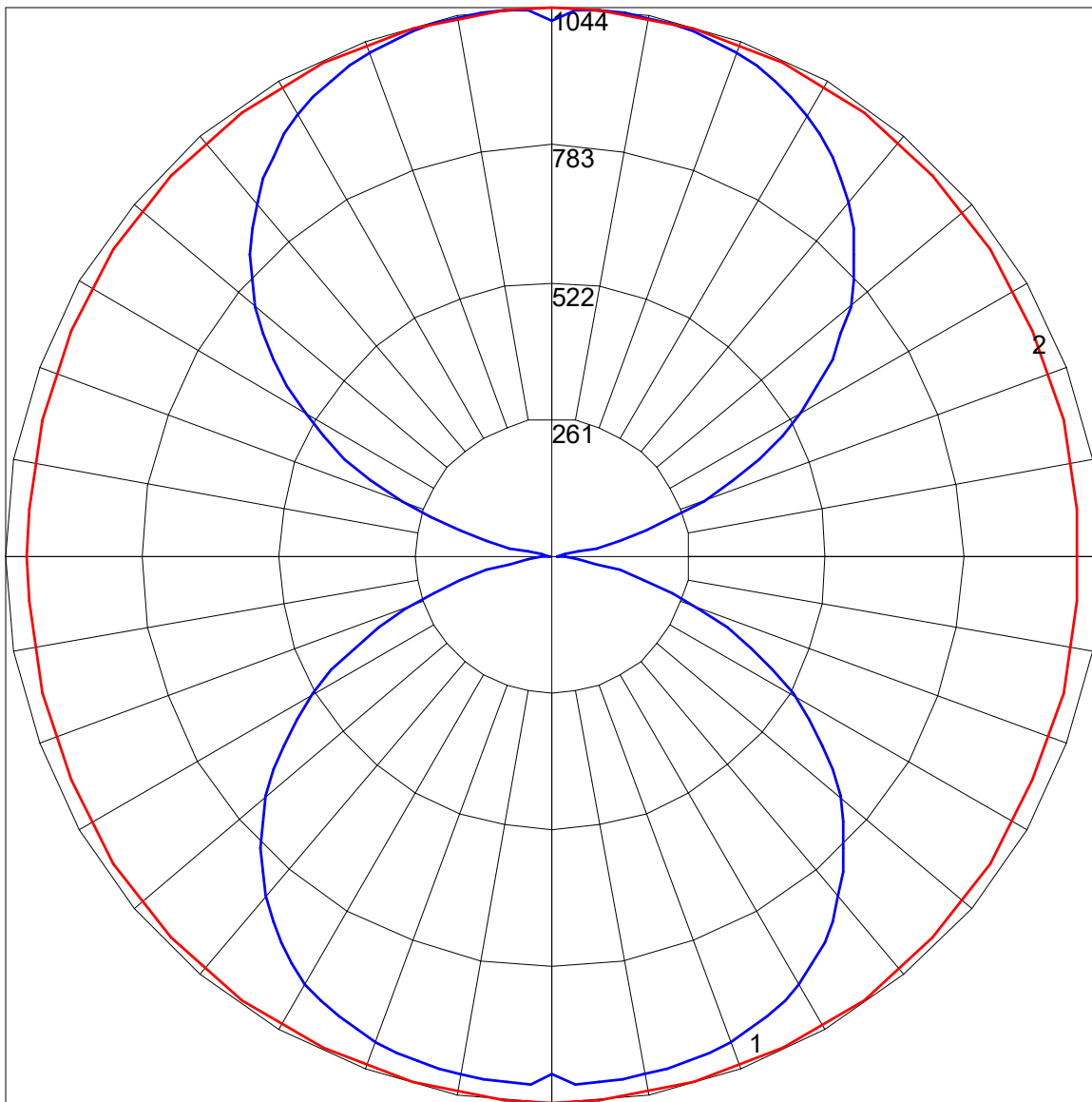
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

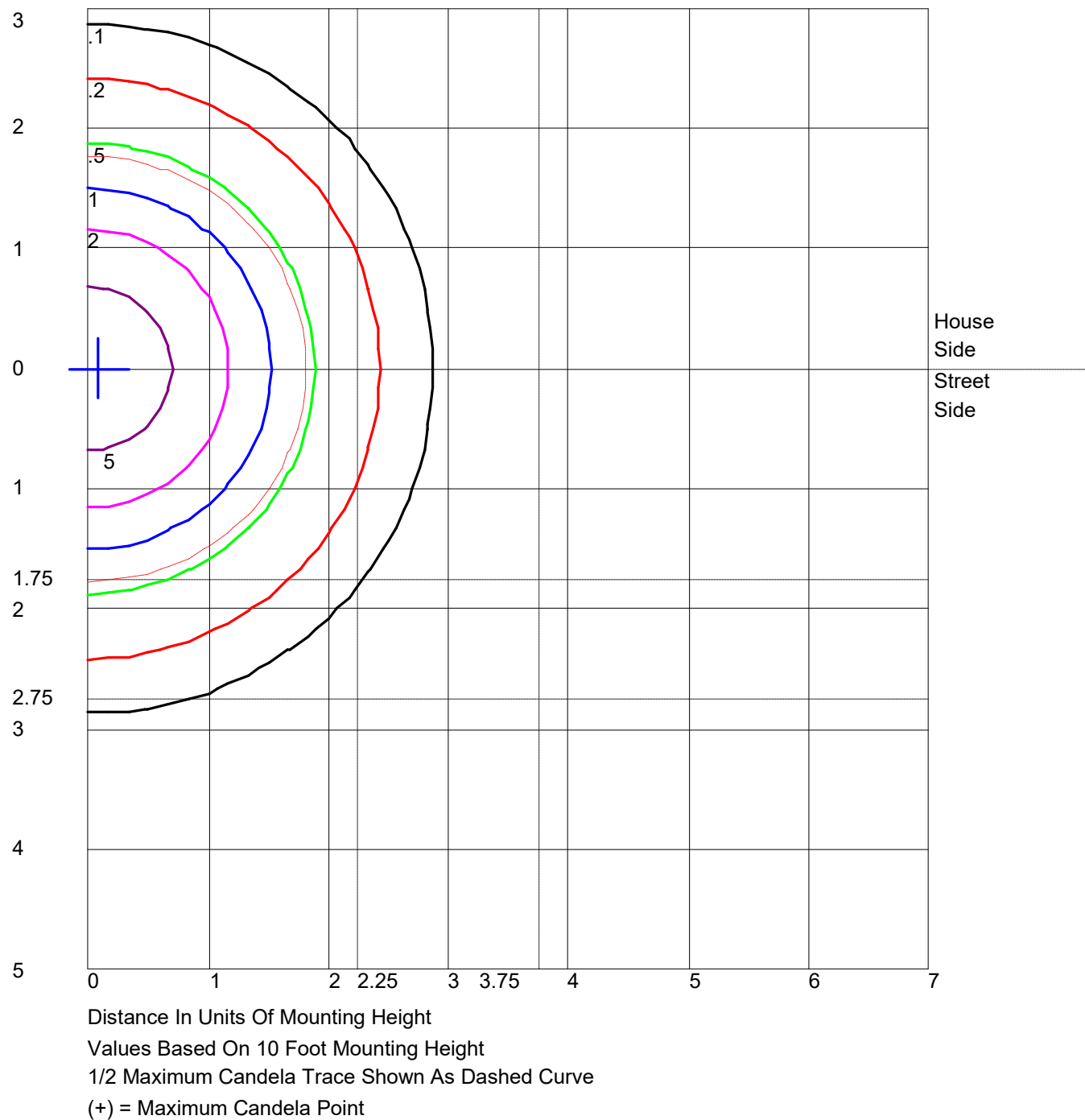
	Lumens	Percent Of Luminaire
Downward Street Side	1581.5	24.9
Downward House Side	1581.5	24.9
Downward Total	3163.0	49.8
Upward Street Side	1592.6	25.1
Upward House Side	1592.6	25.1
Upward Total	3185.2	50.2
Total Flux	6348.2	100.0

POLAR GRAPH

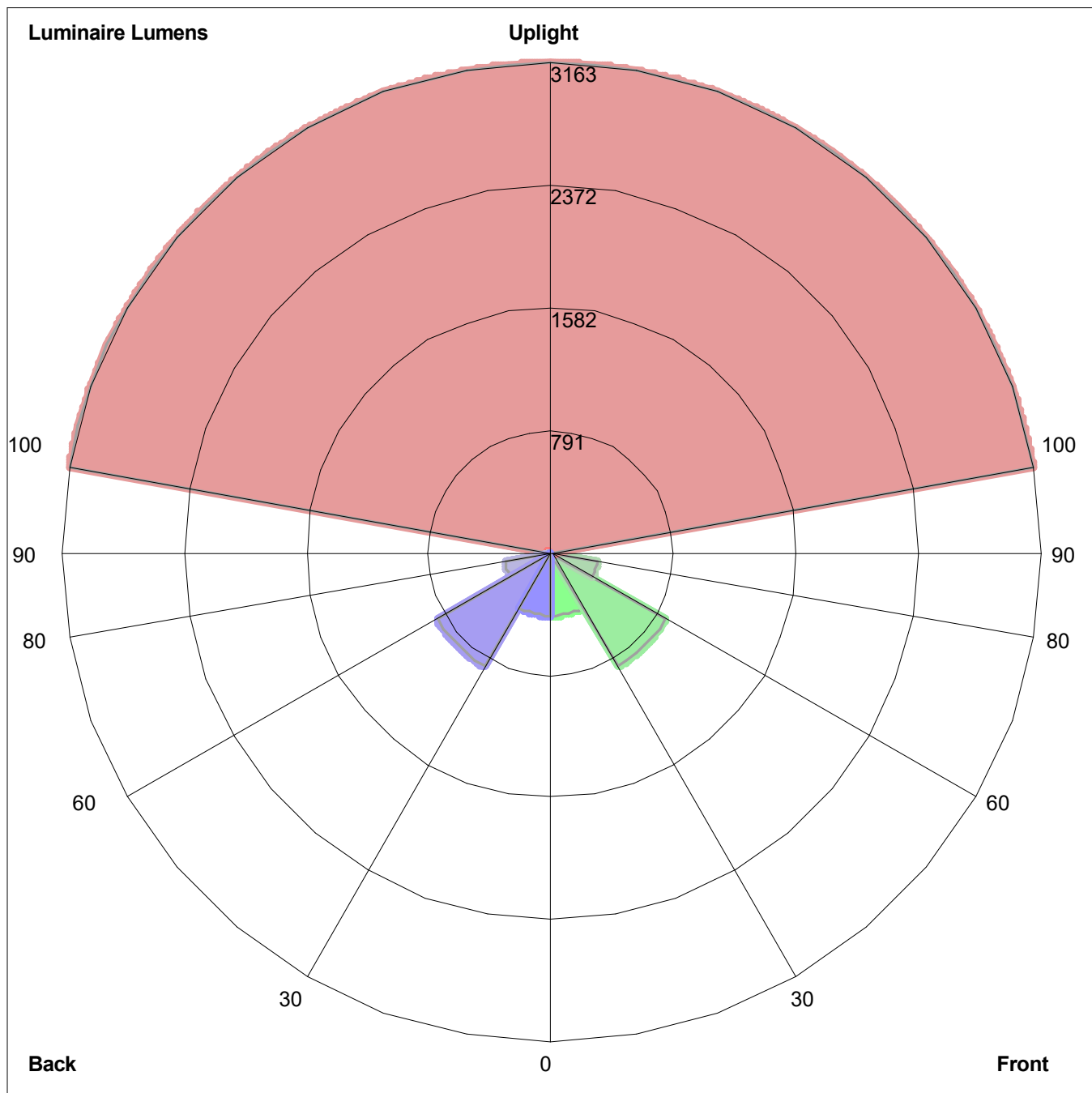


Maximum Candela = 1044 Located At Horizontal Angle = 90, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=408.2, Medium=853.6, High=304.7, Very High=15.0
Back: Low=408.2, Medium=853.6, High=304.7, Very High=15.0
Uplight: Low=21.9, High=3163.2

BUG Rating : B1-U5-G1