



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-UD-06L-40.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-40
[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] 4000

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6703
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	168
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1102
Maximum Candela Angle	90H 175V
Maximum Candela (<90 Degrees Vertical)	1065
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	95 (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)	431.1	N.A.	6.4
FM - Front-Medium (30-60)	901.4	N.A.	13.4
FH - Front-High (60-80)	321.8	N.A.	4.8
FVH - Front-Very High (80-90)	15.8	N.A.	0.2
BL - Back-Low (0-30)	431.1	N.A.	6.4
BM - Back-Medium (30-60)	901.4	N.A.	13.4
BH - Back-High (60-80)	321.8	N.A.	4.8
BVH - Back-Very High (80-90)	15.8	N.A.	0.2
UL - Uplight-Low (90-100)	23.0	N.A.	0.3
UH - Uplight-High (100-180)	3340.2	N.A.	49.8
Total	6703.4	N.A.	100.0
BUG Rating	B1-U5-G1		

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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>85</u>
0.0	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043
2.5	1025	1025	1026	1034	1041	1048	1052	1057	1061	1063
5.0	1026	1027	1028	1035	1042	1049	1053	1058	1061	1063
7.5	1027	1027	1030	1036	1043	1050	1054	1058	1062	1063
10.0	1028	1027	1030	1035	1042	1048	1053	1056	1060	1061
12.5	1028	1026	1029	1033	1040	1046	1050	1053	1057	1058
15.0	1027	1025	1027	1031	1037	1043	1046	1050	1052	1054
17.5	1025	1023	1024	1029	1034	1039	1042	1044	1048	1049
20.0	1020	1019	1019	1023	1029	1034	1036	1038	1040	1042
22.5	1012	1012	1013	1017	1023	1028	1030	1029	1032	1033
25.0	1002	1001	1002	1006	1013	1018	1020	1020	1021	1022
27.5	989	989	989	993	999	1005	1007	1008	1009	1010
30.0	974	973	974	977	983	987	990	992	993	994
32.5	953	953	953	957	962	966	970	972	973	974
35.0	930	929	929	934	938	943	946	949	950	951
37.5	903	902	901	906	911	917	920	923	924	924
40.0	874	874	873	877	882	888	891	894	895	895
42.5	843	842	842	846	850	856	860	863	864	864
45.0	811	809	808	812	817	821	825	829	830	831
47.5	773	772	772	775	780	783	787	792	793	794
50.0	732	732	733	736	740	744	747	749	753	754
52.5	689	690	690	693	696	699	701	705	709	710
55.0	643	643	645	648	651	653	656	658	662	663
57.5	594	595	596	600	602	604	607	609	611	612
60.0	544	544	546	547	551	553	555	556	559	556
62.5	491	491	490	490	495	499	499	501	503	501
65.0	435	435	434	434	437	440	443	444	444	442
67.5	374	376	375	376	378	381	383	386	383	382
70.0	313	316	317	317	318	320	324	321	317	317
72.5	253	256	257	258	260	261	260	257	257	255
75.0	195	195	198	200	202	202	200	197	194	195
77.5	131	132	138	143	145	145	143	143	139	139
80.0	74	74	78	82	89	95	94	93	92	89
82.5	30	30	32	36	41	48	54	54	53	52
85.0	9	9	10	11	14	16	22	26	25	24
87.5	6	6	6	7	7	8	9	10	10	10
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	10	11	13	17	21	23
97.5	13	14	16	18	22	27	32	40	47	50
100.0	36	37	40	44	51	60	67	79	89	90
102.5	77	78	79	89	93	104	118	130	137	138
105.0	130	128	129	140	145	163	178	192	198	194
107.5	191	190	189	193	212	225	240	261	259	258
110.0	250	251	261	266	272	296	311	324	324	329
112.5	315	315	318	327	352	356	388	392	396	396
115.0	374	375	389	407	410	432	449	455	461	465
117.5	454	456	457	461	471	508	510	514	521	526
120.0	506	508	510	518	554	565	569	574	578	582
122.5	562	562	569	598	615	620	627	631	633	637
125.0	641	640	651	661	666	672	677	683	685	688
127.5	706	704	704	708	715	721	725	731	733	736
130.0	751	750	751	756	760	765	770	774	778	782

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CANDELA TABULATION - (Cont.)

132.5	793	791	793	799	803	807	812	815	819	822
135.0	832	831	833	838	842	845	852	855	858	860
137.5	866	864	866	872	878	881	886	889	894	896
140.0	896	896	899	904	909	915	919	919	927	928
142.5	925	928	929	934	941	947	950	951	957	956
145.0	952	955	955	961	969	974	977	980	983	981
147.5	977	978	980	987	993	997	1002	1003	1006	1004
150.0	1001	1002	1004	1009	1014	1019	1022	1024	1025	1025
152.5	1021	1020	1022	1027	1032	1036	1039	1041	1044	1043
155.0	1034	1033	1036	1040	1044	1048	1051	1054	1057	1057
157.5	1042	1043	1045	1049	1054	1059	1063	1065	1067	1069
160.0	1047	1049	1051	1056	1061	1066	1071	1074	1076	1078
162.5	1052	1052	1055	1063	1068	1072	1078	1080	1083	1085
165.0	1055	1056	1059	1068	1073	1079	1083	1086	1089	1091
167.5	1059	1057	1062	1070	1077	1082	1087	1090	1094	1096
170.0	1060	1059	1064	1071	1079	1084	1089	1093	1097	1099
172.5	1059	1058	1064	1070	1079	1084	1091	1095	1099	1101
175.0	1058	1058	1064	1069	1078	1084	1091	1094	1099	1101
177.5	1056	1057	1062	1068	1077	1083	1090	1093	1098	1100
180.0	1078	1078	1078	1078	1078	1078	1078	1078	1078	1078

Vert. Horizontal Angles

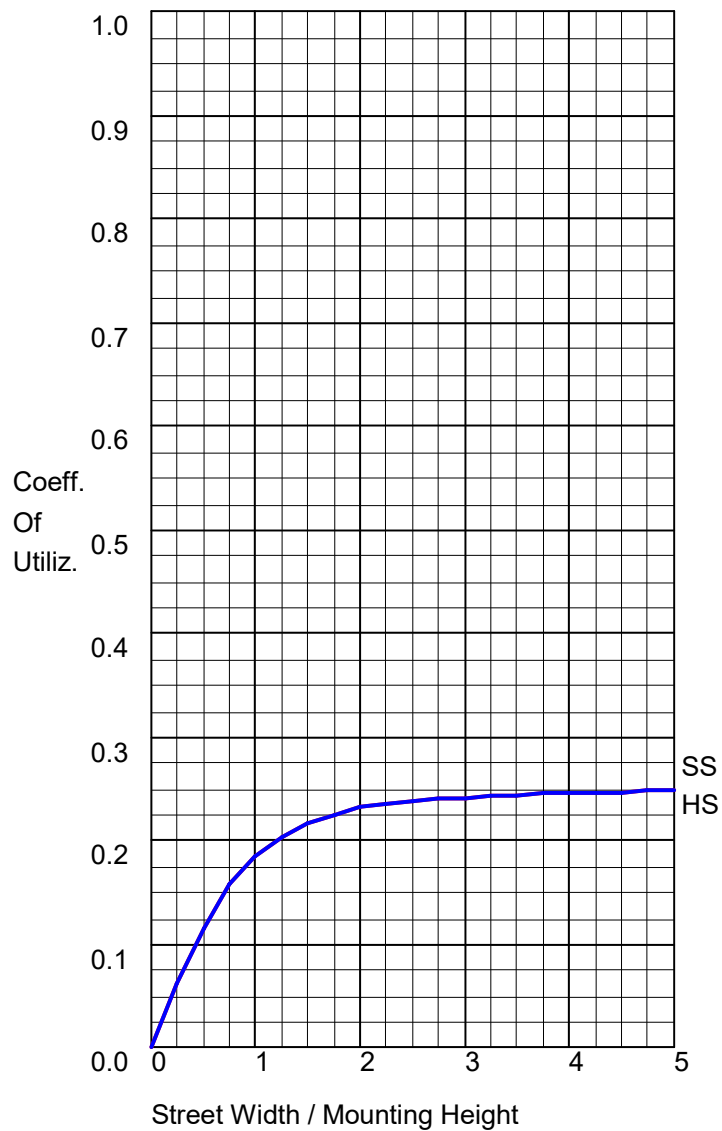
	90
0.0	1043
2.5	1064
5.0	1065
7.5	1064
10.0	1062
12.5	1060
15.0	1055
17.5	1050
20.0	1043
22.5	1034
25.0	1024
27.5	1011
30.0	996
32.5	976
35.0	952
37.5	926
40.0	896
42.5	865
45.0	831
47.5	795
50.0	755
52.5	710
55.0	663
57.5	613
60.0	558
62.5	500
65.0	441
67.5	381
70.0	315
72.5	252
75.0	192
77.5	138

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CANDELA TABULATION - (Cont.)

80.0	88
82.5	50
85.0	24
87.5	10
90.0	6
92.5	9
95.0	24
97.5	50
100.0	88
102.5	138
105.0	193
107.5	255
110.0	322
112.5	395
115.0	461
117.5	522
120.0	578
122.5	635
125.0	686
127.5	733
130.0	782
132.5	822
135.0	862
137.5	898
140.0	928
142.5	957
145.0	982
147.5	1005
150.0	1025
152.5	1044
155.0	1057
157.5	1069
160.0	1079
162.5	1086
165.0	1092
167.5	1098
170.0	1100
172.5	1102
175.0	1102
177.5	1101
180.0	1078

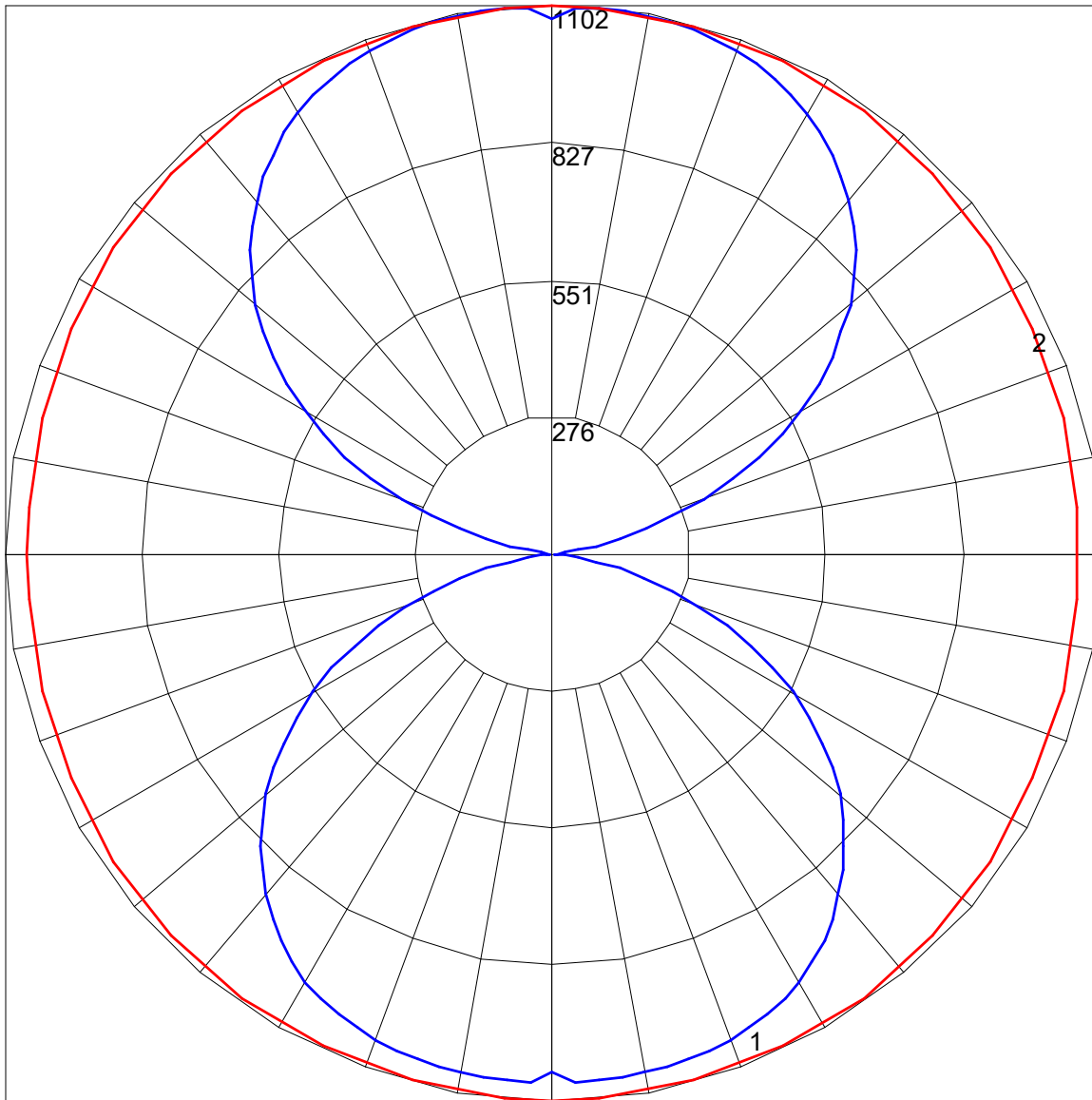
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

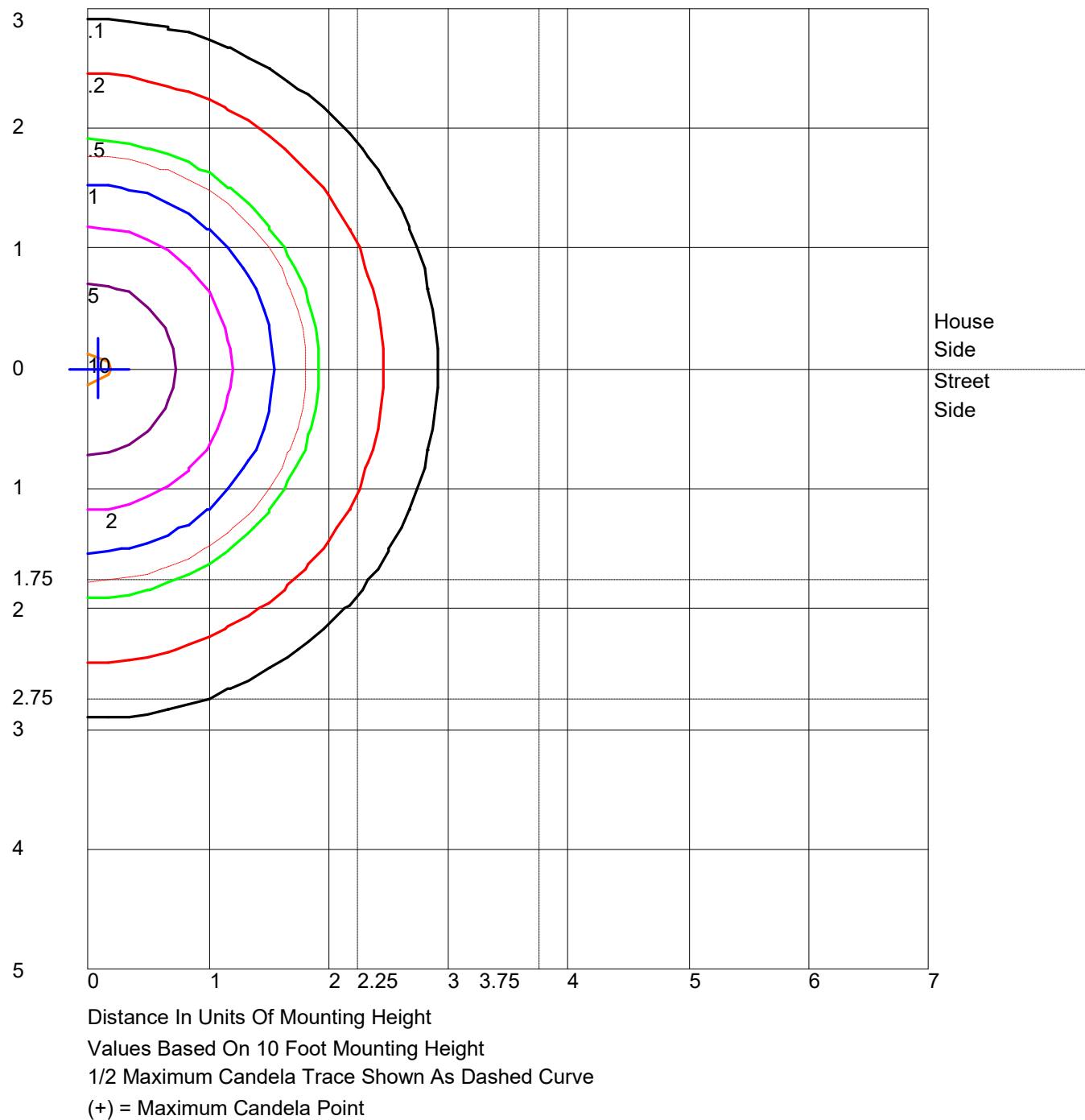
	Lumens	Percent Of Luminaire
Downward Street Side	1670.1	24.9
Downward House Side	1670.1	24.9
Downward Total	3340.2	49.8
Upward Street Side	1681.6	25.1
Upward House Side	1681.6	25.1
Upward Total	3363.2	50.2
Total Flux	6703.4	100.0

POLAR GRAPH

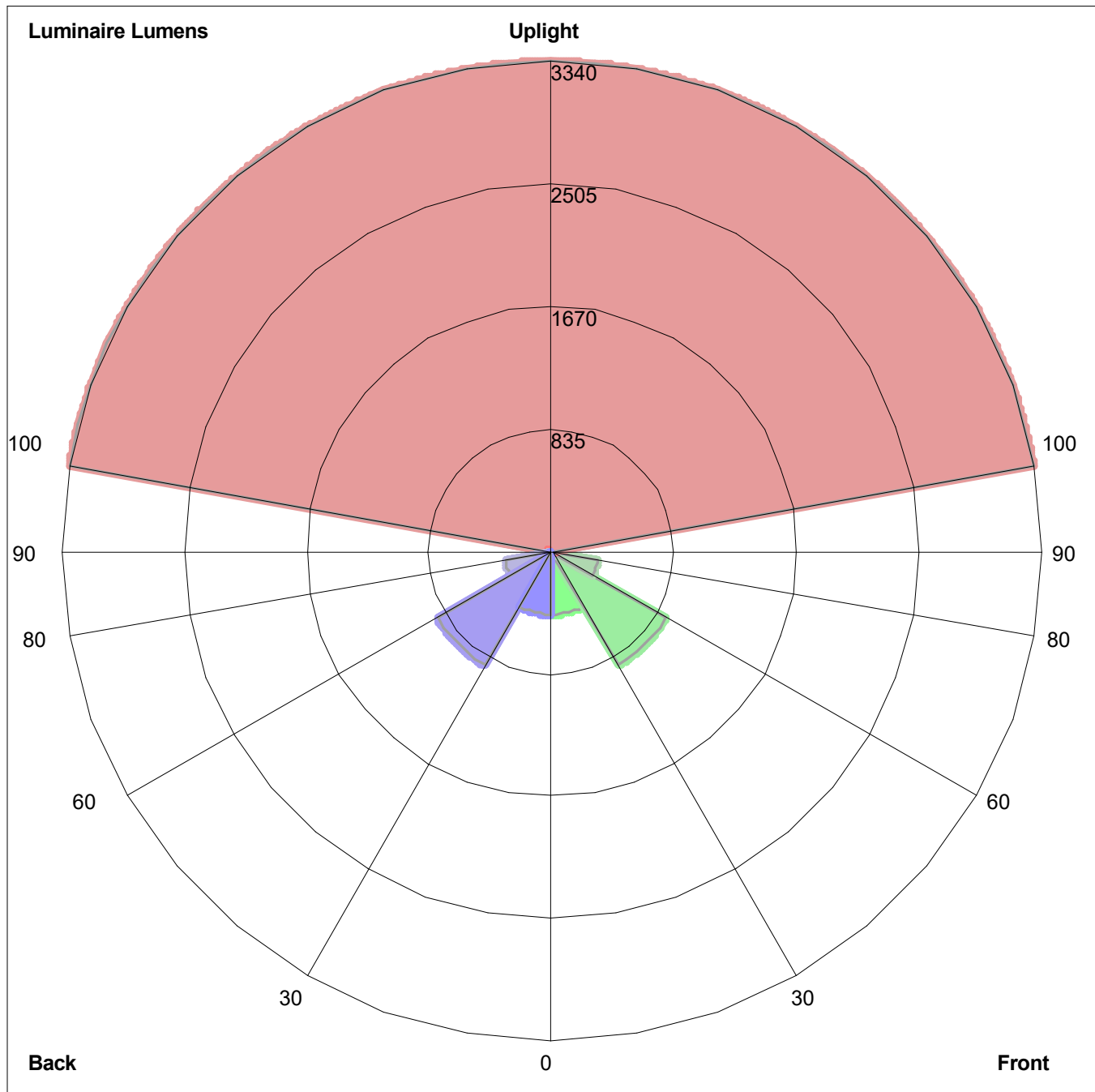


Maximum Candela = 1102 Located At Horizontal Angle = 90, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=431.1, Medium=901.4, High=321.8, Very High=15.8
Back: Low=431.1, Medium=901.4, High=321.8, Very High=15.8
Uplight: Low=23.0, High=3340.2

BUG Rating : B1-U5-G1