



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-13L-5R-30K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12912
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 10/22/2021
[TESTDATE] 08/25/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] HPG-13L-5R-30K8
[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	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13890
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	106
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3986
Maximum Candela Angle	45H 62.5V
Maximum Candela (<90 Degrees Vertical)	3986
Maximum Candela Angle (<90 Degrees Vertical)	45H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	695 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1306.2	N.A.	9.4
FM - Front-Medium (30-60)	3697.2	N.A.	26.6
FH - Front-High (60-80)	1866.9	N.A.	13.4
FVH - Front-Very High (80-90)	75.0	N.A.	0.5
BL - Back-Low (0-30)	1306.2	N.A.	9.4
BM - Back-Medium (30-60)	3697.2	N.A.	26.6
BH - Back-High (60-80)	1866.9	N.A.	13.4
BVH - Back-Very High (80-90)	75.0	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	13890.6	N.A.	100.0
BUG Rating	B3-U0-G2		

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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	3134	3134	3134	3134	3134	3134	3134	3134	3134	3134
2.5	3120	3120	3122	3117	3134	3141	3144	3152	3165	3166
5.0	3111	3113	3113	3110	3128	3137	3147	3156	3169	3168
7.5	3093	3096	3100	3100	3123	3133	3140	3151	3171	3170
10.0	3070	3074	3077	3076	3097	3114	3132	3141	3167	3165
12.5	3059	3063	3064	3064	3087	3097	3111	3135	3160	3160
15.0	3052	3052	3053	3055	3076	3091	3096	3123	3154	3160
17.5	3055	3052	3050	3047	3068	3081	3087	3102	3147	3161
20.0	3055	3056	3056	3053	3065	3073	3080	3087	3140	3166
22.5	3065	3069	3067	3062	3077	3076	3075	3083	3133	3172
25.0	3082	3088	3087	3079	3093	3088	3079	3084	3126	3172
27.5	3099	3104	3110	3105	3113	3105	3089	3084	3117	3172
30.0	3116	3117	3129	3126	3134	3117	3095	3086	3115	3183
32.5	3114	3122	3143	3146	3150	3129	3108	3095	3119	3191
35.0	3111	3117	3145	3160	3166	3146	3122	3102	3116	3196
37.5	3110	3117	3143	3162	3177	3160	3131	3095	3101	3191
40.0	3101	3110	3129	3159	3179	3164	3135	3076	3077	3179
42.5	3148	3140	3133	3159	3178	3166	3135	3064	3051	3160
45.0	3324	3306	3190	3173	3184	3165	3143	3051	3031	3148
47.5	3350	3353	3365	3217	3209	3178	3151	3031	3022	3161
50.0	3366	3362	3370	3338	3262	3209	3168	3022	3038	3199
52.5	3404	3408	3424	3474	3350	3293	3208	3025	3034	3203
55.0	3438	3448	3497	3525	3407	3399	3291	3000	3015	3214
57.5	3404	3428	3550	3601	3571	3552	3354	2971	3038	3292
60.0	3237	3262	3454	3563	3739	3786	3381	2932	2979	3230
62.5	2907	2938	3098	3300	3751	3986	3391	2800	2715	2888
65.0	2437	2473	2600	2880	3458	3862	3318	2552	2353	2414
67.5	1862	1880	2009	2306	2843	3362	3056	2135	1902	1826
70.0	1350	1363	1443	1708	2136	2680	2535	1598	1414	1195
72.5	925	940	992	1198	1598	2036	1827	1070	852	638
75.0	664	679	698	830	1168	1603	1236	774	573	407
77.5	475	489	487	561	874	1209	915	499	296	220
80.0	330	325	315	367	650	695	524	250	197	163
82.5	181	183	177	261	358	316	194	139	134	113
85.0	87	87	95	152	232	113	69	77	87	73
87.5	44	44	55	53	74	29	24	26	30	35
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

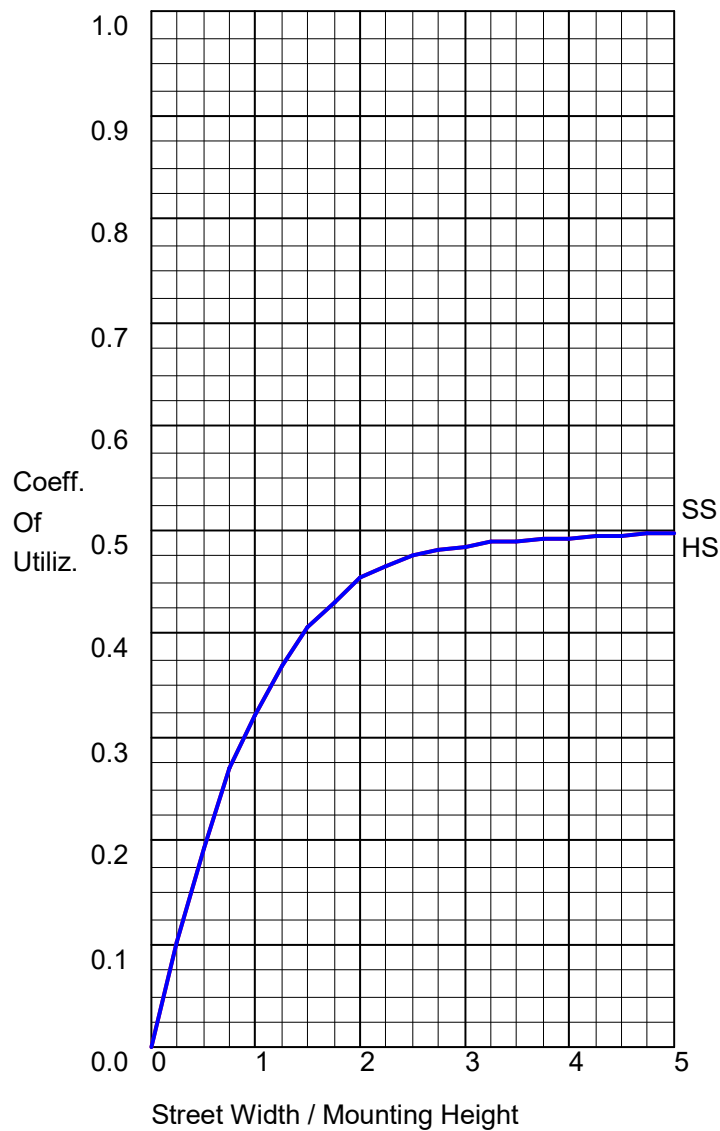
	<u>90</u>
0.0	3134
2.5	3163
5.0	3167
7.5	3168
10.0	3162
12.5	3161
15.0	3158
17.5	3158
20.0	3166
22.5	3169
25.0	3175
27.5	3181

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CANDELA TABULATION - (Cont.)

30.0	3190
32.5	3203
35.0	3206
37.5	3205
40.0	3196
42.5	3179
45.0	3166
47.5	3187
50.0	3228
52.5	3228
55.0	3239
57.5	3323
60.0	3298
62.5	2989
65.0	2482
67.5	1840
70.0	1161
72.5	550
75.0	354
77.5	202
80.0	153
82.5	103
85.0	67
87.5	30
90.0	0

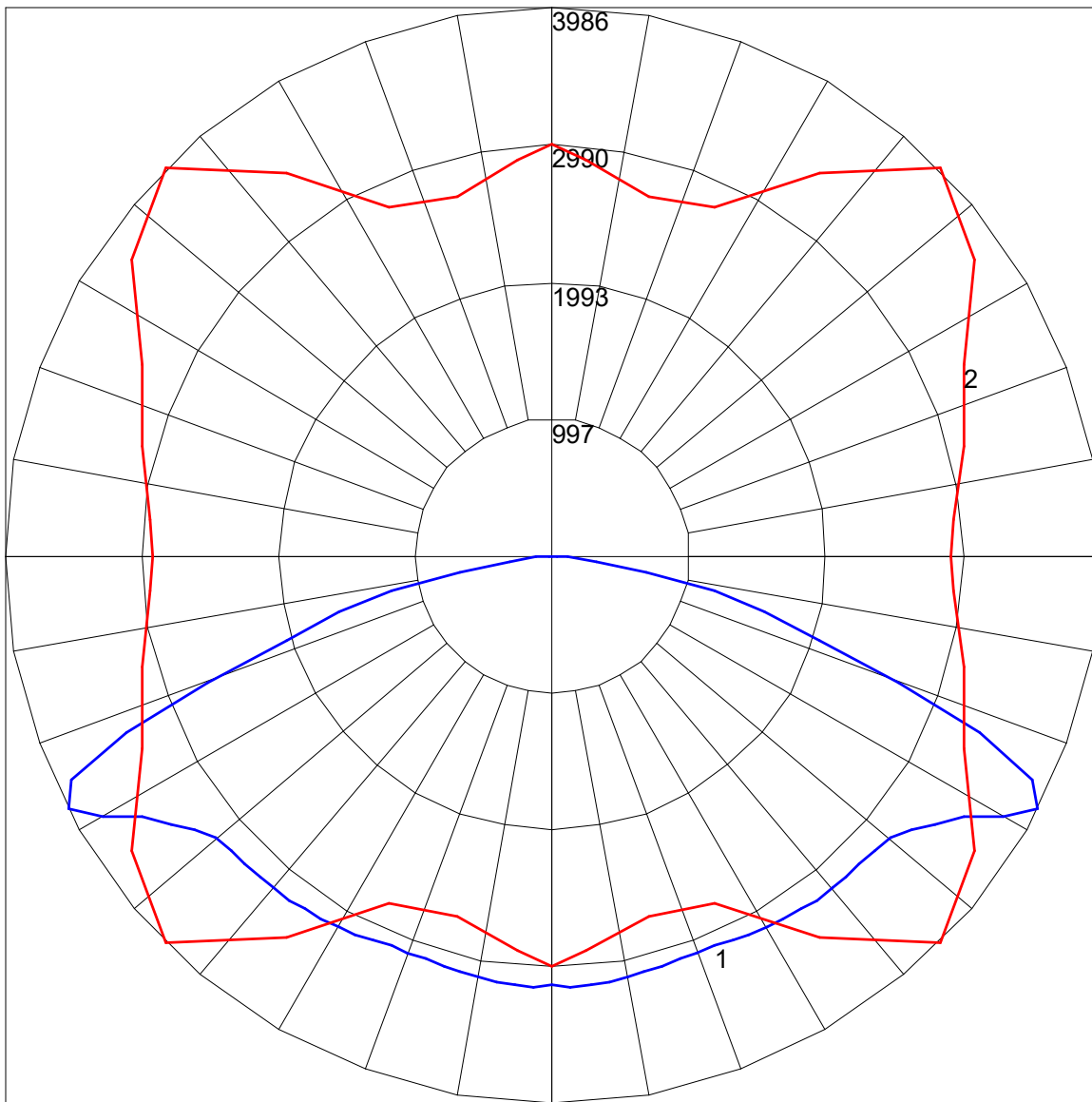
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

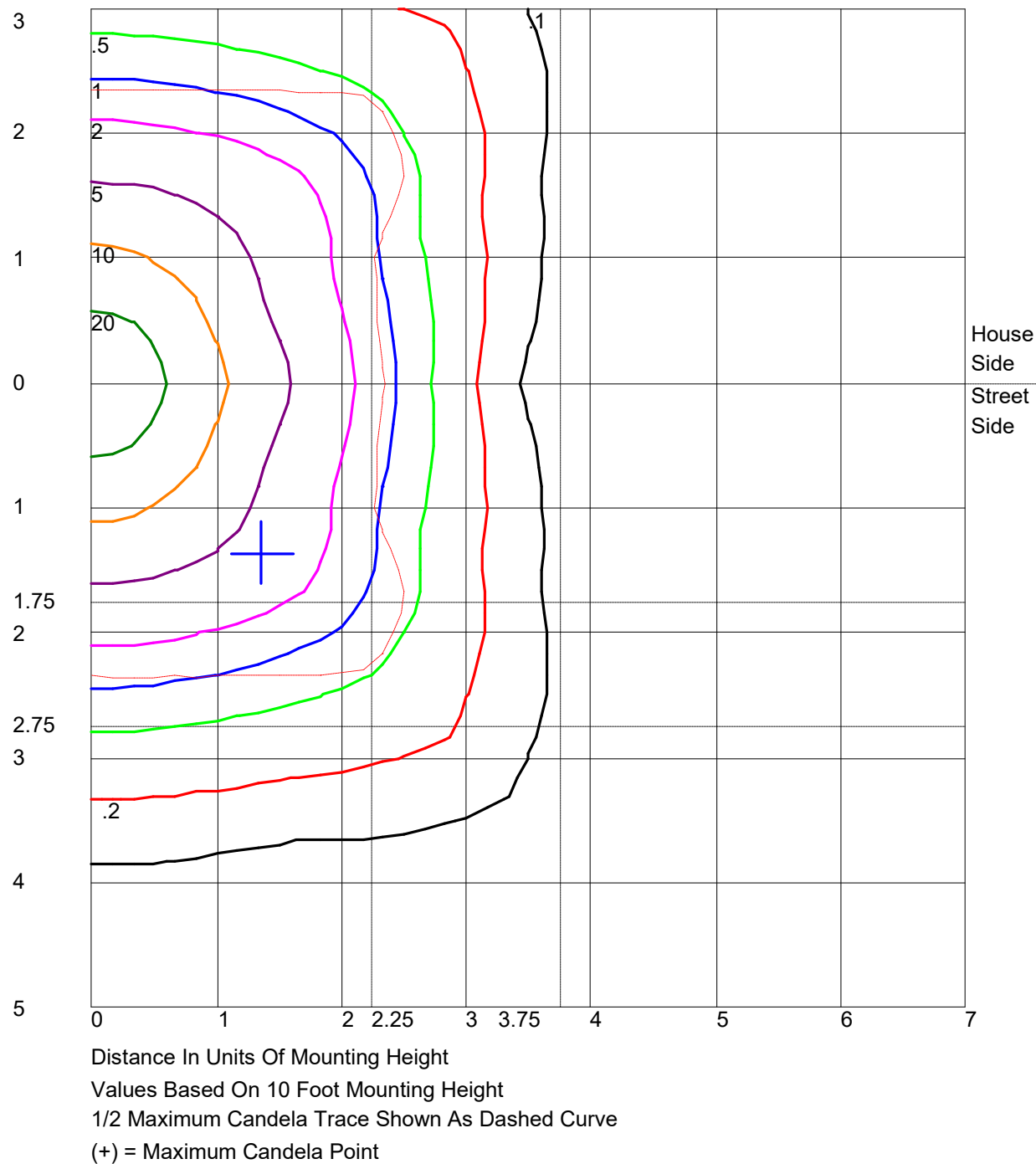
	Lumens	Percent Of Luminaire
Downward Street Side	6945.2	50.0
Downward House Side	6945.2	50.0
Downward Total	13890.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13890.4	100.0

POLAR GRAPH

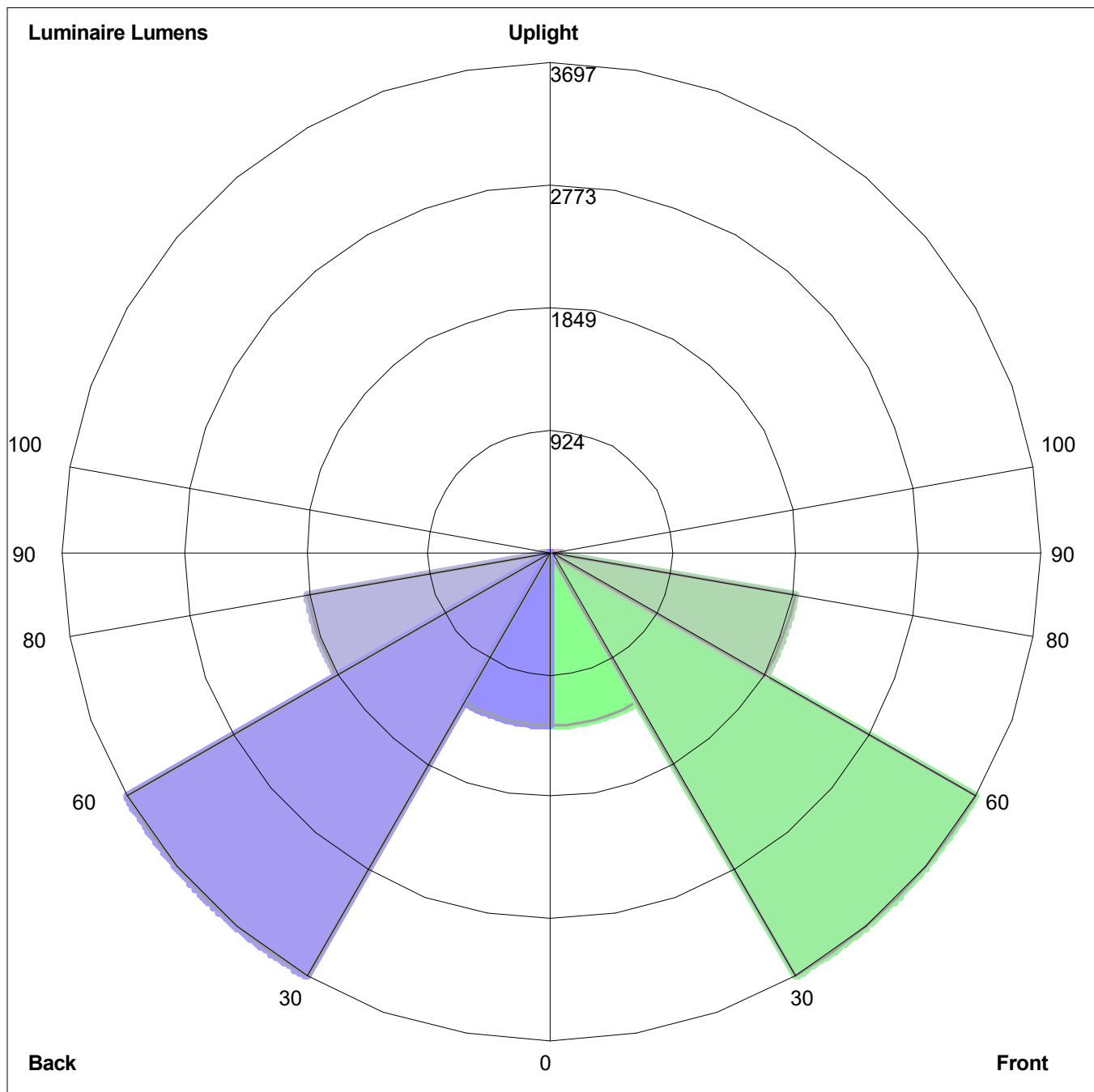


Maximum Candela = 3986 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1306.2, Medium=3697.2, High=1866.9, Very High=75.0
Back: Low=1306.2, Medium=3697.2, High=1866.9, Very High=75.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2