



## IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-5C-30K8.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12245  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 10/22/2021  
[TEST DATE] 10/02/20  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMCAT] HPG-10L-5C-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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10587
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3491
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	3491
Maximum Candela Angle (<90 Degrees Vertical)	0H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	179 (1.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1419.7	N.A.	13.4
FM - Front-Medium (30-60)	2946.9	N.A.	27.8
FH - Front-High (60-80)	900.2	N.A.	8.5
FVH - Front-Very High (80-90)	26.7	N.A.	0.3
BL - Back-Low (0-30)	1419.7	N.A.	13.4
BM - Back-Medium (30-60)	2946.9	N.A.	27.8
BH - Back-High (60-80)	900.2	N.A.	8.5
BVH - Back-Very High (80-90)	26.7	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10587.0	N.A.	100.0
BUG Rating	B3-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0</b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>
<b>0.0</b>	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476
<b>2.5</b>	3491	3487	3485	3481	3480	3477	3478	3479	3484	3484
<b>5.0</b>	3491	3488	3486	3482	3481	3477	3479	3480	3485	3485
<b>7.5</b>	3486	3485	3482	3478	3477	3474	3475	3477	3481	3481
<b>10.0</b>	3478	3477	3474	3470	3469	3466	3467	3468	3473	3473
<b>12.5</b>	3467	3465	3462	3458	3456	3454	3455	3456	3461	3461
<b>15.0</b>	3451	3449	3447	3443	3441	3439	3439	3441	3445	3446
<b>17.5</b>	3430	3428	3426	3423	3421	3419	3419	3420	3425	3426
<b>20.0</b>	3404	3403	3400	3397	3396	3394	3394	3394	3398	3400
<b>22.5</b>	3372	3370	3368	3362	3362	3362	3361	3360	3365	3367
<b>25.0</b>	3331	3330	3327	3321	3323	3322	3323	3321	3325	3325
<b>27.5</b>	3283	3281	3277	3273	3275	3275	3275	3273	3277	3276
<b>30.0</b>	3227	3222	3218	3216	3218	3219	3219	3217	3218	3218
<b>32.5</b>	3160	3156	3152	3150	3153	3152	3155	3152	3152	3153
<b>35.0</b>	3081	3079	3076	3075	3078	3077	3078	3077	3077	3077
<b>37.5</b>	2995	2992	2989	2989	2992	2992	2989	2990	2989	2990
<b>40.0</b>	2896	2897	2894	2896	2898	2897	2892	2894	2893	2896
<b>42.5</b>	2794	2793	2793	2794	2795	2793	2788	2788	2789	2794
<b>45.0</b>	2684	2679	2682	2684	2685	2679	2677	2677	2677	2684
<b>47.5</b>	2565	2560	2557	2566	2559	2560	2556	2558	2554	2559
<b>50.0</b>	2436	2432	2429	2431	2429	2429	2428	2430	2427	2430
<b>52.5</b>	2297	2293	2291	2285	2283	2286	2287	2292	2288	2287
<b>55.0</b>	2147	2144	2138	2131	2128	2131	2135	2138	2140	2135
<b>57.5</b>	1980	1982	1972	1971	1970	1970	1973	1979	1975	1975
<b>60.0</b>	1798	1803	1802	1802	1799	1797	1802	1807	1802	1800
<b>62.5</b>	1608	1617	1623	1618	1617	1614	1611	1613	1622	1616
<b>65.0</b>	1288	1301	1366	1423	1422	1408	1411	1413	1343	1300
<b>67.5</b>	1043	1041	1056	1108	1200	1204	1190	1090	1060	1051
<b>70.0</b>	801	801	808	847	897	982	896	849	817	807
<b>72.5</b>	539	541	574	624	650	650	656	624	590	562
<b>75.0</b>	394	391	395	392	399	390	420	411	400	389
<b>77.5</b>	256	258	254	244	209	189	216	268	261	265
<b>80.0</b>	168	174	168	139	95	84	102	149	175	179
<b>82.5</b>	97	98	94	66	51	47	50	68	98	103
<b>85.0</b>	45	45	39	31	30	29	29	31	40	48
<b>87.5</b>	15	15	15	15	15	15	15	15	15	17
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

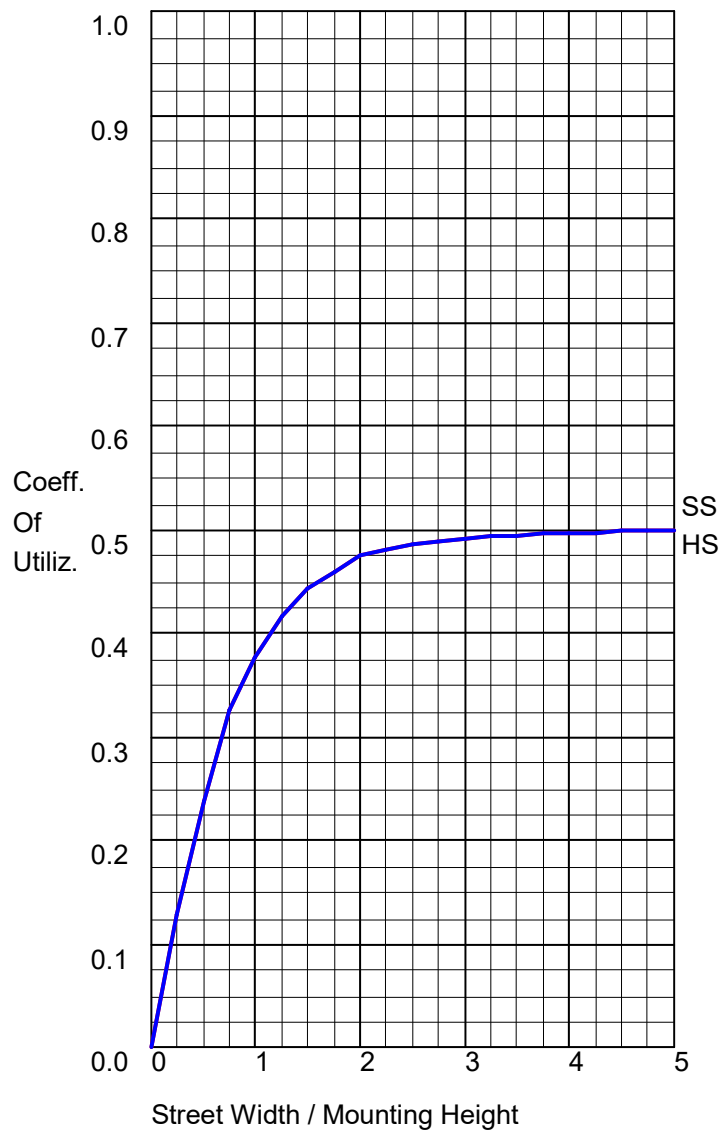
<b>Vert. Angles</b>	<b>Horizontal Angles</b>
	<b>90</b>
<b>0.0</b>	3476
<b>2.5</b>	3487
<b>5.0</b>	3487
<b>7.5</b>	3483
<b>10.0</b>	3476
<b>12.5</b>	3465
<b>15.0</b>	3449
<b>17.5</b>	3427
<b>20.0</b>	3400
<b>22.5</b>	3367
<b>25.0</b>	3326
<b>27.5</b>	3278

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	3220
<b>32.5</b>	3153
<b>35.0</b>	3078
<b>37.5</b>	2992
<b>40.0</b>	2898
<b>42.5</b>	2795
<b>45.0</b>	2687
<b>47.5</b>	2562
<b>50.0</b>	2427
<b>52.5</b>	2286
<b>55.0</b>	2136
<b>57.5</b>	1977
<b>60.0</b>	1803
<b>62.5</b>	1615
<b>65.0</b>	1294
<b>67.5</b>	1044
<b>70.0</b>	805
<b>72.5</b>	549
<b>75.0</b>	386
<b>77.5</b>	261
<b>80.0</b>	176
<b>82.5</b>	102
<b>85.0</b>	49
<b>87.5</b>	17
<b>90.0</b>	0

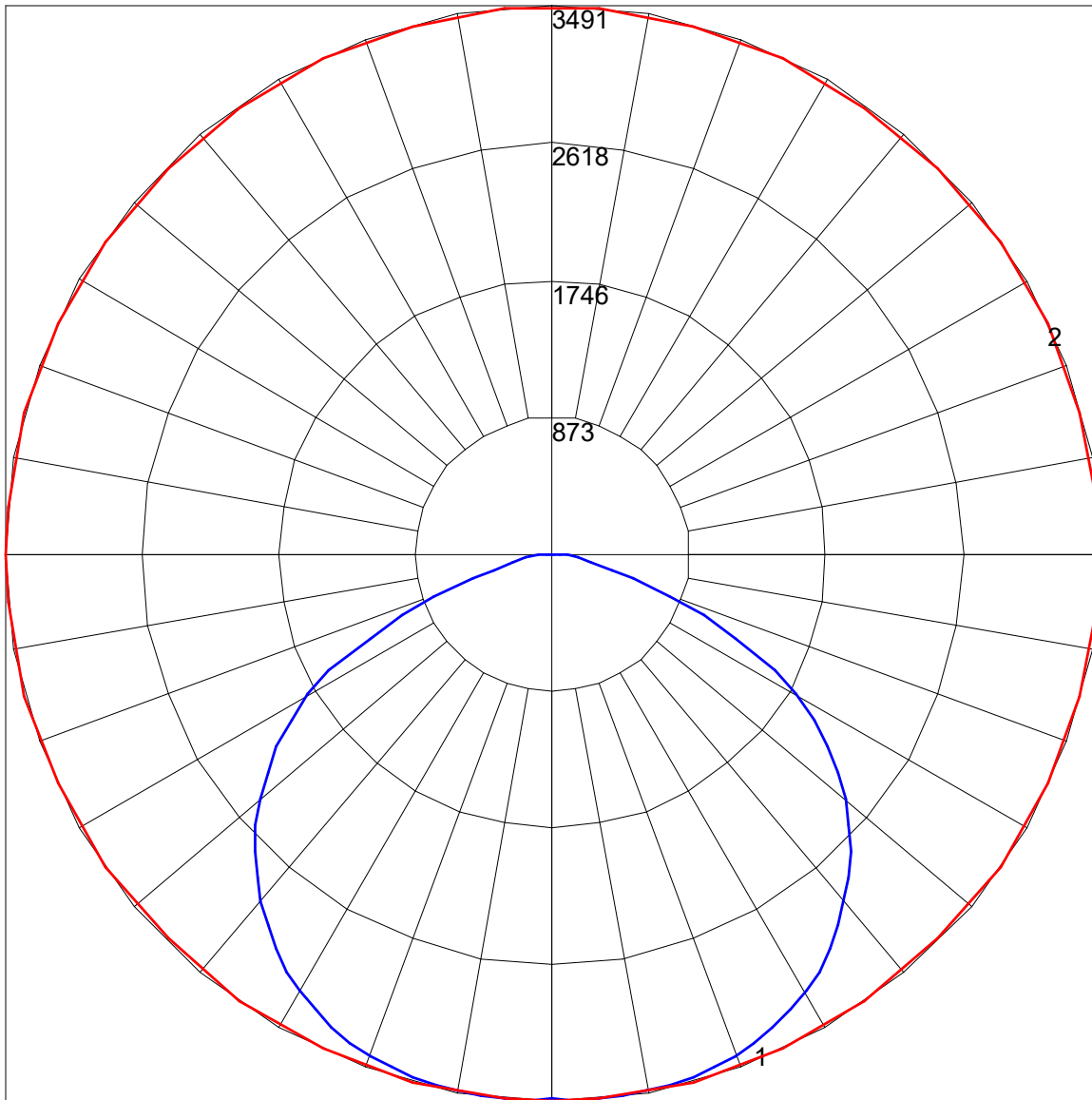
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

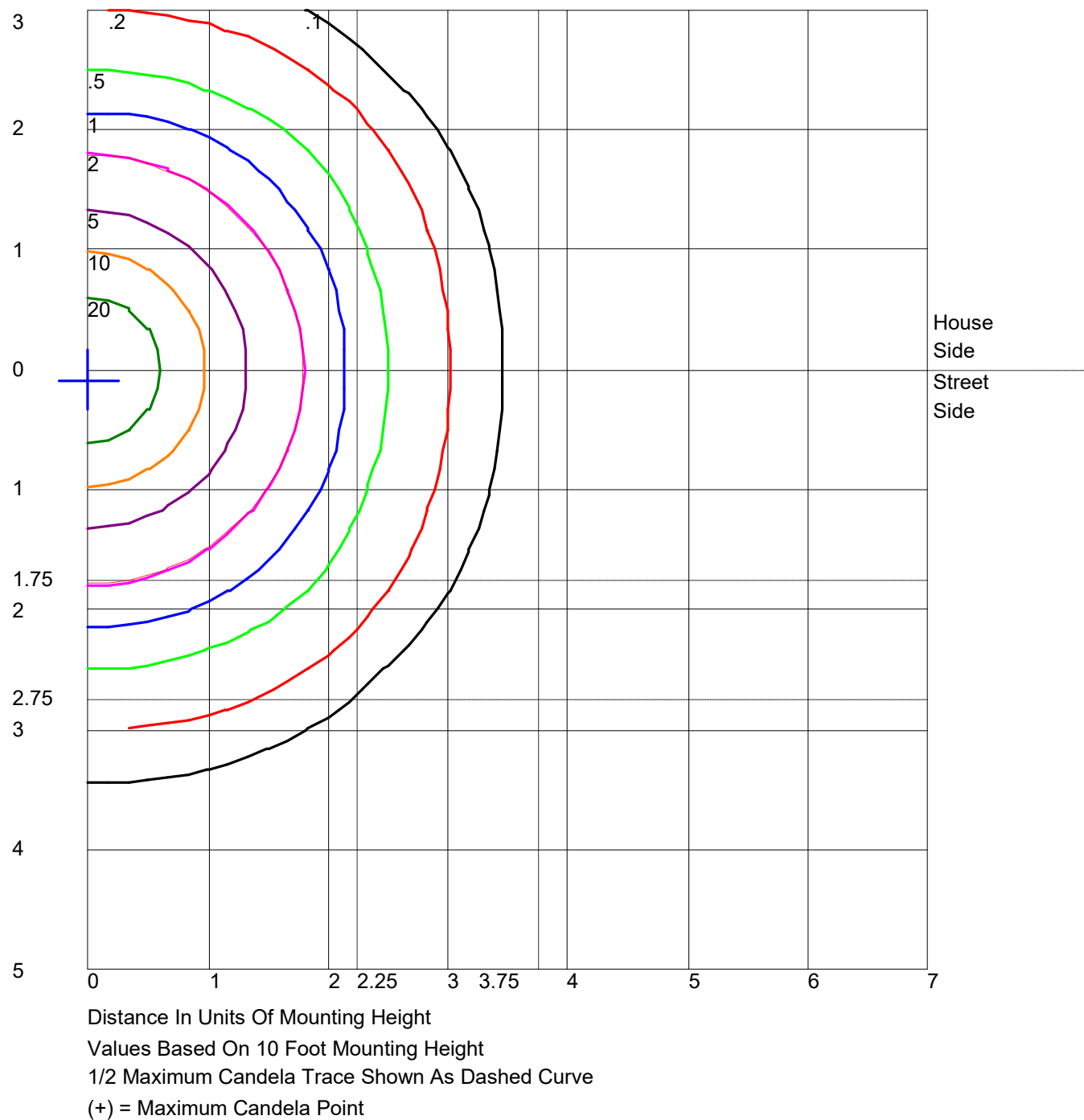
	Lumens	Percent Of Luminaire
Downward Street Side	5293.5	50.0
Downward House Side	5293.5	50.0
Downward Total	10587.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10587.0	100.0

POLAR GRAPH

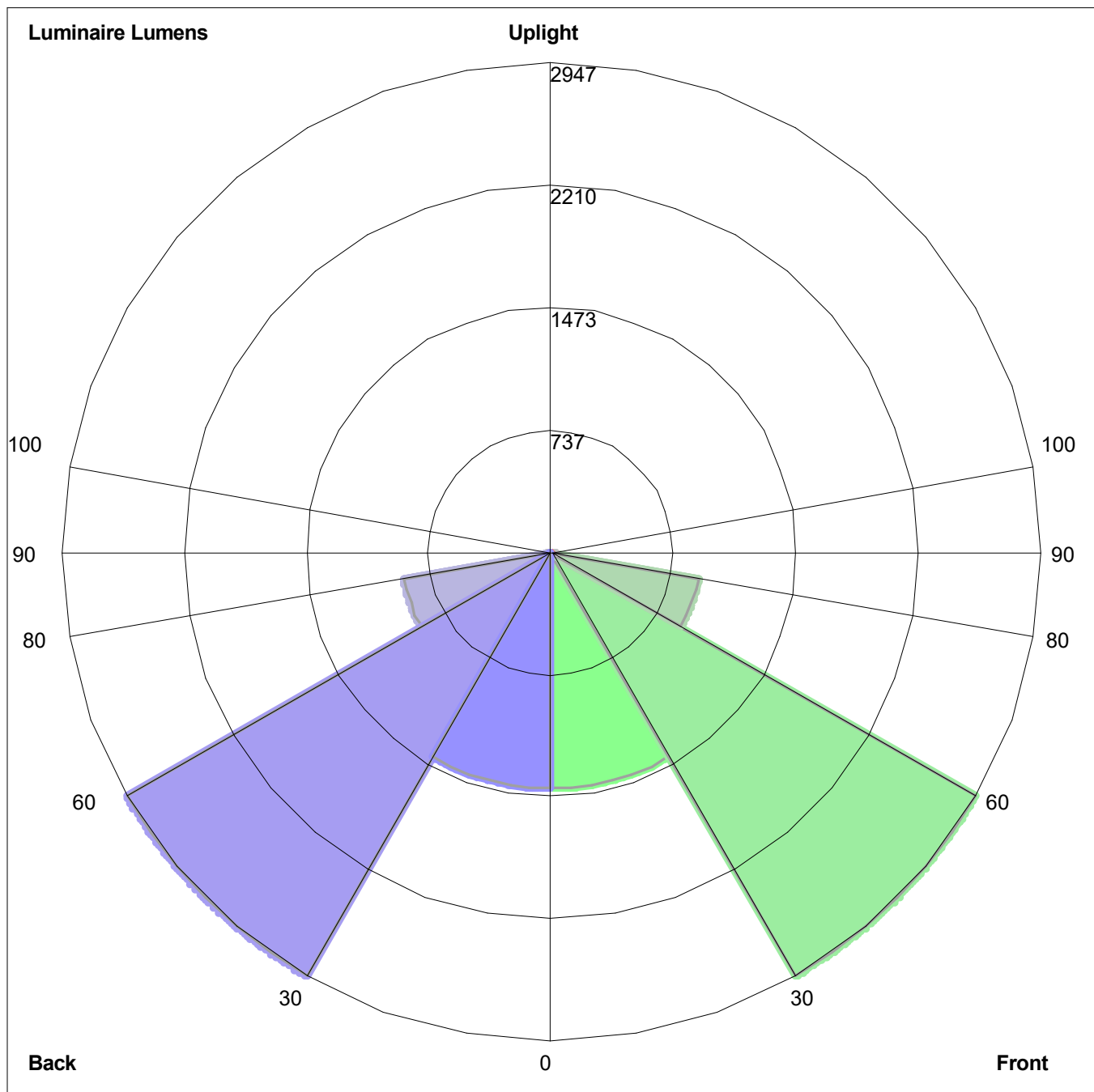


Maximum Candela = 3491 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1419.7, Medium=2946.9, High=900.2, Very High=26.7  
Back: Low=1419.7, Medium=2946.9, High=900.2, Very High=26.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1