



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-28-350-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3073
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/21/12
[TEST DATE]03/21/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-28-350-NW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2919
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1969
Maximum Candela Angle	35H 65V
Maximum Candela (<90 Degrees Vertical)	1969
Maximum Candela Angle (<90 Degrees Vertical)	35H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	256 (8.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	241.9	N.A.	8.3
FM - Front-Medium (30-60)	1096.5	N.A.	37.6
FH - Front-High (60-80)	797.5	N.A.	27.3
FVH - Front-Very High (80-90)	20.2	N.A.	0.7
BL - Back-Low (0-30)	214.6	N.A.	7.4
BM - Back-Medium (30-60)	432.8	N.A.	14.8
BH - Back-High (60-80)	109.7	N.A.	3.8
BVH - Back-Very High (80-90)	5.8	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2919.0	N.A.	100.0
BUG Rating	B1-U0-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	562	562	562	562	562	562	562	562	562	562
2.5	563	558	558	551	556	557	559	563	563	562
5.0	531	527	528	519	530	536	544	555	562	562
7.5	505	501	504	501	513	524	534	549	562	568
10.0	483	480	481	487	496	513	530	547	562	574
12.5	471	468	471	478	484	498	521	554	578	603
15.0	458	455	458	464	473	490	515	560	608	656
17.5	450	448	453	457	464	480	508	557	635	709
20.0	447	445	455	457	461	475	505	558	654	753
22.5	443	442	454	456	461	477	510	573	692	835
25.0	439	440	443	456	467	484	539	663	825	1002
27.5	438	439	441	456	468	505	614	825	1014	1209
30.0	438	439	448	463	483	564	737	976	1153	1335
32.5	435	437	448	472	513	665	866	1057	1177	1289
35.0	436	437	443	477	560	787	954	1045	1137	1249
37.5	452	451	456	488	646	900	992	1005	1095	1211
40.0	478	477	480	531	764	971	1003	974	1036	1179
42.5	512	511	513	613	896	1020	999	954	967	1143
45.0	560	556	555	732	1014	1081	986	928	911	1097
47.5	658	648	625	893	1102	1100	963	915	883	1074
50.0	782	767	750	1127	1186	1099	948	922	910	1036
52.5	925	913	930	1393	1281	1106	982	944	942	1035
55.0	983	979	1096	1689	1395	1120	1056	968	957	980
57.5	986	974	1117	1805	1584	1240	1122	955	960	984
60.0	1016	1008	1249	1816	1696	1438	1123	932	956	959
62.5	945	944	1357	1930	1766	1650	1126	923	913	847
65.0	728	745	1218	1831	1969	1666	1181	819	705	689
66.0	578	586	920	1648	1924	1710	1200	735	622	635
67.5	474	481	750	1371	1944	1747	1140	702	579	608
70.0	283	288	437	1001	1511	1601	1038	667	508	556
72.5	121	126	199	696	1093	1131	977	640	438	424
75.0	46	49	75	394	692	690	691	566	353	308
77.5	23	25	42	206	321	321	364	472	274	171
80.0	16	17	28	99	156	120	182	256	216	129
82.5	11	11	17	28	54	50	74	112	96	69
85.0	7	8	9	12	15	18	29	40	24	16
87.5	5	6	6	6	6	6	6	7	6	7
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<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>	<u>175</u>
0.0	562	562	562	562	562	562	562	562	562	562
2.5	562	562	562	562	558	559	563	564	567	563
5.0	563	561	560	557	552	550	552	551	553	548
7.5	567	566	559	554	544	537	534	531	531	526
10.0	574	570	560	551	536	527	522	517	518	512
12.5	603	593	569	548	529	522	516	507	500	492
15.0	668	657	611	561	533	518	502	479	459	444
17.5	739	731	671	599	552	509	467	425	388	366
20.0	793	785	714	640	574	488	411	349	300	275
22.5	884	865	758	671	581	452	339	263	204	171
25.0	1050	1017	862	737	576	411	261	171	128	104

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CANDELA TABULATION - (Cont.)

27.5	1252	1194	1005	849	607	371	189	115	93	77
30.0	1361	1286	1110	949	630	349	163	86	75	58
32.5	1323	1237	1109	964	614	344	182	77	74	55
35.0	1299	1216	1071	886	536	363	231	90	76	54
37.5	1243	1168	1049	795	445	371	256	94	76	53
40.0	1204	1126	1004	691	421	362	272	110	76	52
42.5	1195	1101	932	557	401	327	246	115	75	50
45.0	1164	1059	856	425	340	289	202	145	73	46
47.5	1142	1049	782	336	267	252	200	172	72	40
50.0	1118	1066	731	286	218	219	215	161	64	27
52.5	1121	1092	676	273	200	179	184	115	48	19
55.0	1009	1004	602	261	199	144	156	81	61	18
57.5	994	975	535	234	204	121	102	59	45	15
60.0	965	942	479	202	217	72	76	47	29	16
62.5	847	819	398	158	172	67	60	42	28	16
65.0	703	668	312	121	88	64	50	31	23	14
66.0	637	588	257	113	92	68	42	26	20	13
67.5	601	535	205	89	65	57	36	24	17	12
70.0	506	442	155	72	55	56	36	18	14	11
72.5	384	312	115	64	52	56	34	16	11	9
75.0	312	225	100	54	48	48	27	13	9	8
77.5	185	142	58	45	34	39	23	11	8	7
80.0	138	110	28	32	20	21	14	10	7	7
82.5	64	50	19	21	12	11	9	8	5	6
85.0	13	13	12	11	9	7	6	5	4	4
87.5	6	6	6	6	5	4	4	4	3	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

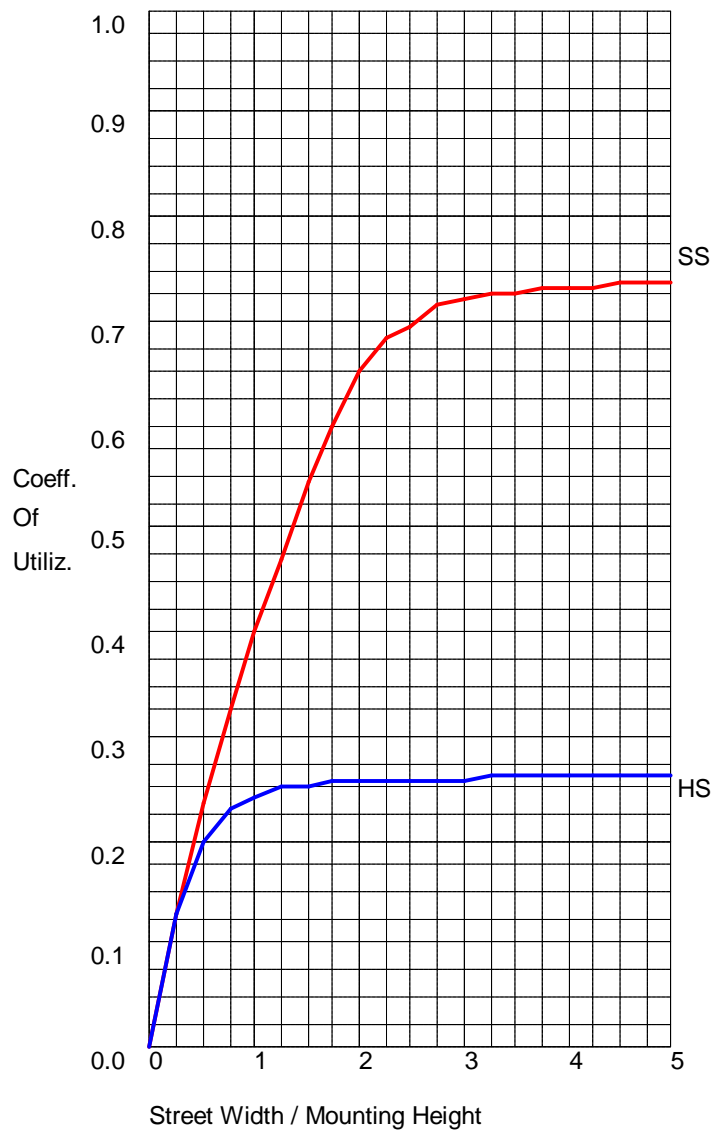
	180
0.0	562
2.5	563
5.0	548
7.5	525
10.0	511
12.5	490
15.0	441
17.5	362
20.0	270
22.5	167
25.0	100
27.5	74
30.0	56
32.5	53
35.0	50
37.5	47
40.0	46
42.5	44
45.0	42
47.5	36
50.0	20
52.5	13
55.0	13
57.5	13
60.0	13

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CANDELA TABULATION - (Cont.)

62.5	15
65.0	13
66.0	11
67.5	11
70.0	9
72.5	8
75.0	8
77.5	7
80.0	7
82.5	4
85.0	3
87.5	3
90.0	0

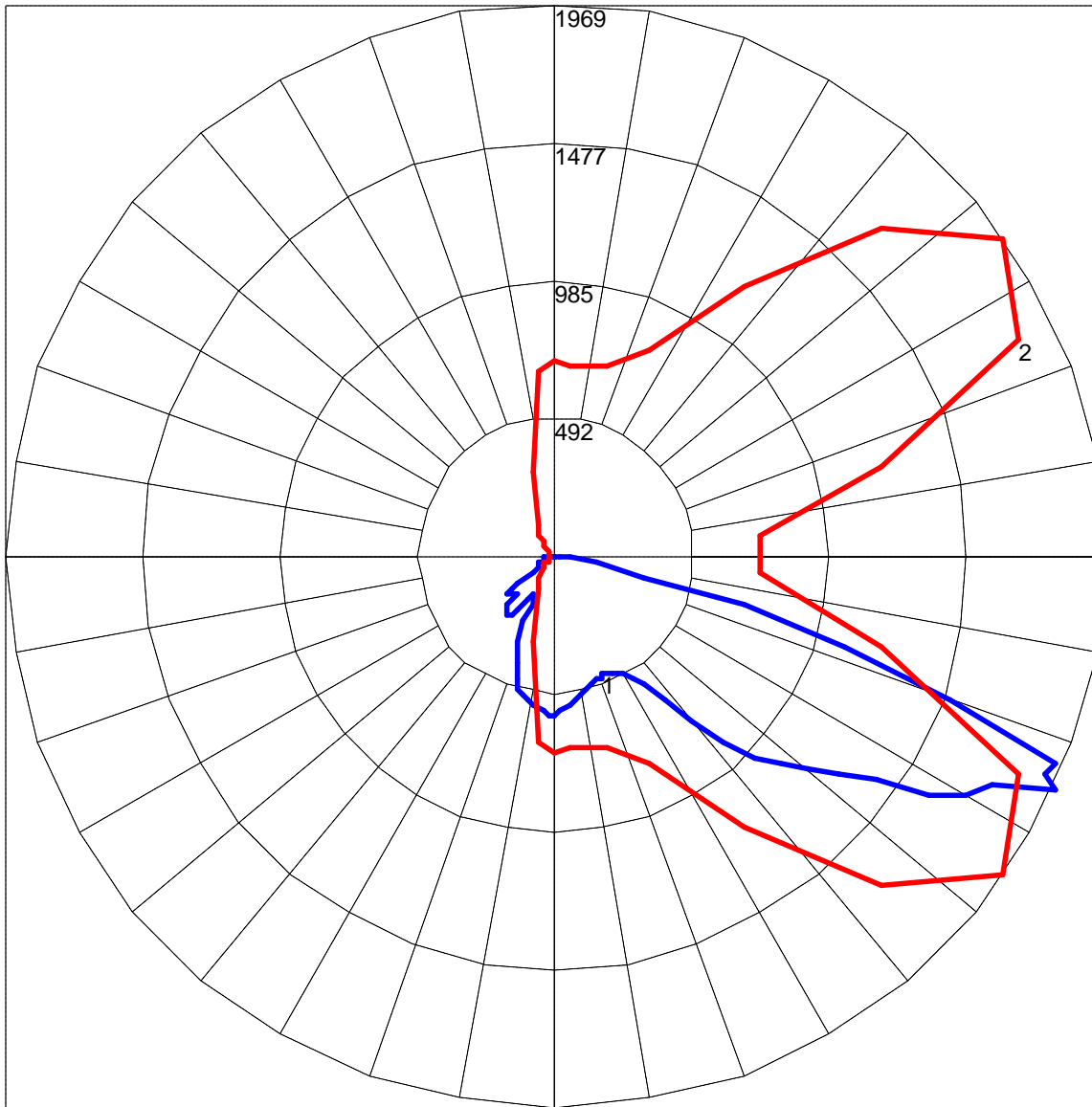
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

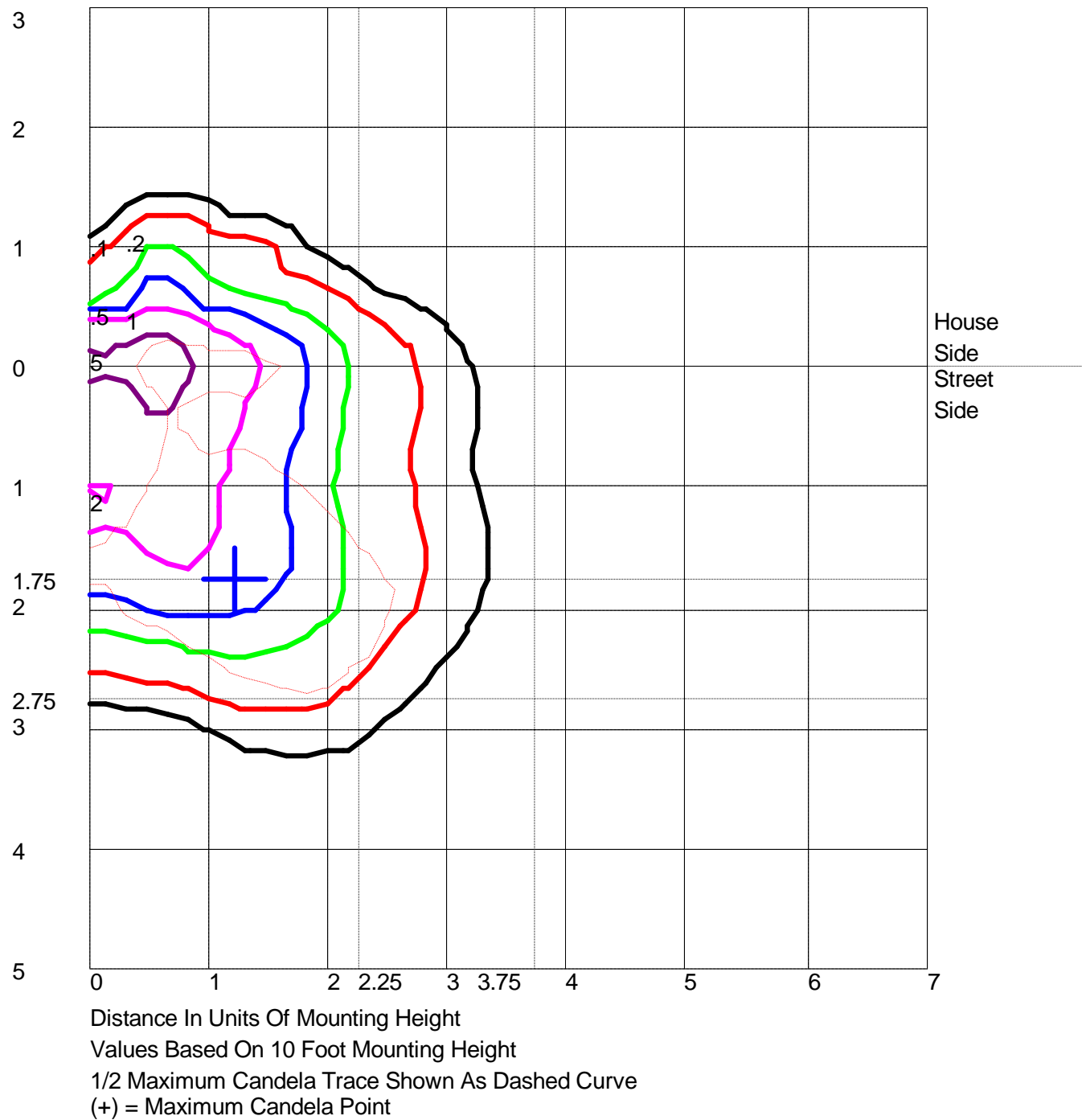
	Lumens	Percent Of Luminaire
Downward Street Side	2156.1	73.9
Downward House Side	762.9	26.1
Downward Total	2919.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2919.0	100.0

POLAR GRAPH

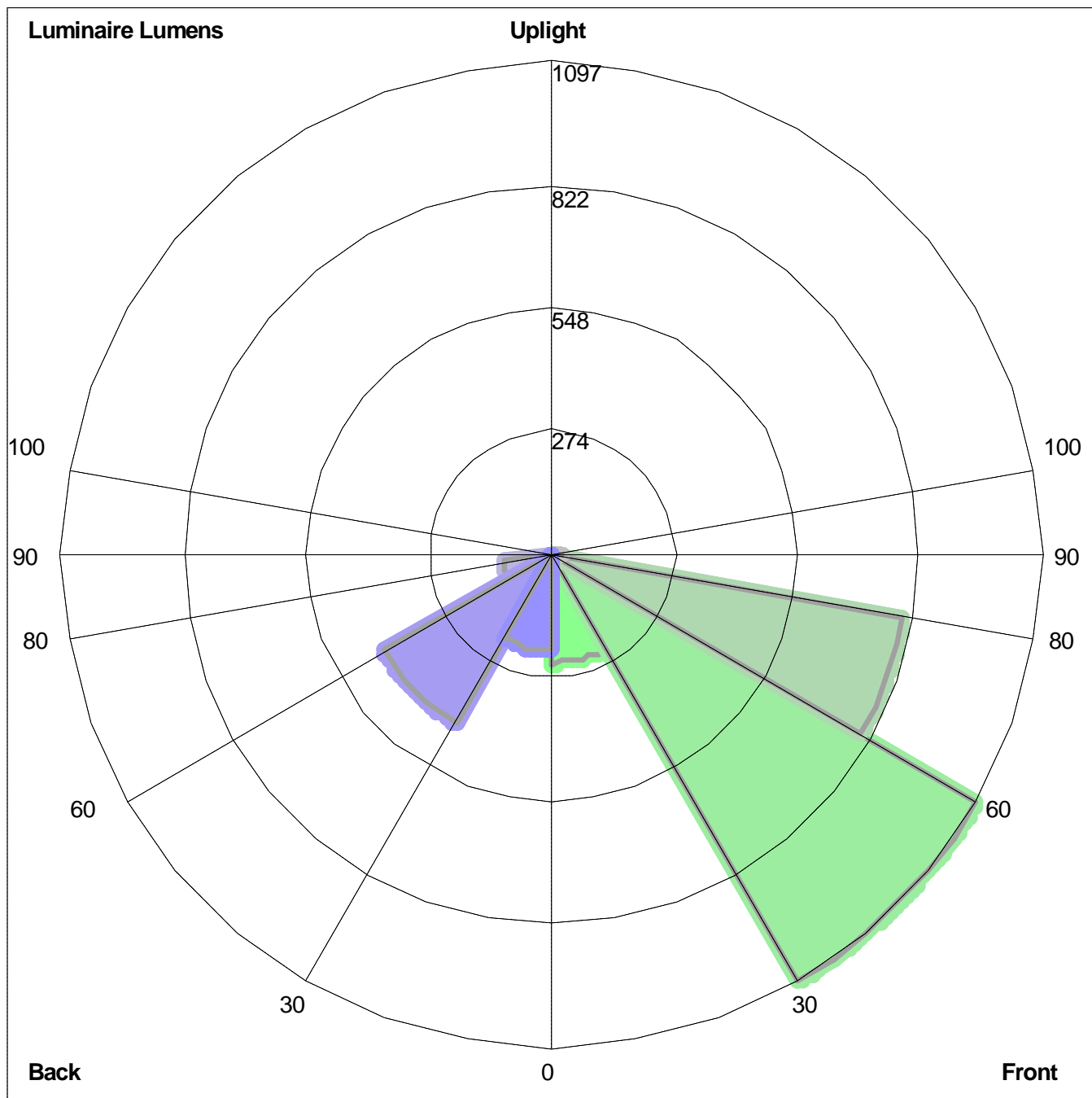


Maximum Candela = 1969 Located At Horizontal Angle = 35, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=241.9, Medium=1096.5, High=797.5, Very High=20.2
Back: Low=214.6, Medium=432.8, High=109.7, Very High=5.8
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1