



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WT-LED-28-350-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3061
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/19/12
[TEST DATE]03/19/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WT-LED-28-350-CW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2978
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1859
Maximum Candela Angle	58H 42V
Maximum Candela (<90 Degrees Vertical)	1859
Maximum Candela Angle (<90 Degrees Vertical)	58H 42V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	197 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : XPWS3-WT-LED-28-350-CW-UE.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	281.2	N.A.	9.4
FM - Front-Medium (30-60)	1175.9	N.A.	39.5
FH - Front-High (60-80)	446.6	N.A.	15.0
FVH - Front-Very High (80-90)	9.9	N.A.	0.3
BL - Back-Low (0-30)	209.4	N.A.	7.0
BM - Back-Medium (30-60)	629.7	N.A.	21.1
BH - Back-High (60-80)	219.1	N.A.	7.4
BVH - Back-Very High (80-90)	5.7	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	2977.5	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>58</u>	<u>65</u>	<u>75</u>
0.0	510	510	510	510	510	510	510	510	510	510
2.5	514	513	513	512	509	509	512	511	514	511
5.0	521	521	521	515	514	513	517	515	518	515
7.5	528	527	527	515	519	517	520	518	520	517
10.0	549	549	546	528	533	526	525	523	525	521
12.5	576	576	572	555	550	542	540	536	537	530
15.0	625	625	615	597	579	566	556	551	549	542
17.5	696	695	681	654	626	599	575	569	557	553
20.0	768	766	752	720	687	647	601	590	575	565
22.5	813	813	805	783	751	703	641	632	619	609
25.0	836	836	834	823	808	761	718	704	683	644
27.5	842	845	845	844	845	842	804	786	740	672
30.0	829	832	840	846	868	928	897	873	787	760
32.5	773	775	796	835	913	1042	1033	1004	939	922
35.0	712	716	741	782	968	1174	1255	1263	1237	1102
37.5	646	650	672	731	969	1293	1535	1586	1538	1244
40.0	590	592	611	681	943	1380	1751	1803	1731	1294
42.0	546	549	571	617	892	1391	1837	1859	1736	1316
42.5	543	545	567	628	889	1392	1841	1859	1734	1316
45.0	506	507	531	603	884	1363	1743	1766	1712	1337
47.5	468	469	503	605	926	1288	1583	1663	1694	1347
50.0	432	433	463	619	990	1190	1463	1575	1678	1361
52.5	389	392	430	640	1000	1091	1375	1502	1665	1438
55.0	305	311	384	672	954	1014	1312	1441	1665	1547
57.5	235	241	332	628	881	960	1281	1397	1631	1566
60.0	94	102	258	548	727	959	1279	1359	1554	1456
62.5	59	62	132	266	569	973	1265	1312	1394	1271
65.0	35	38	94	192	314	905	1152	1178	1233	1167
67.5	23	25	62	110	287	678	978	1023	1020	983
70.0	13	14	28	63	197	474	702	722	786	857
72.5	11	12	20	31	112	331	418	460	618	707
75.0	11	11	20	29	99	174	282	284	395	533
77.5	9	9	16	21	74	110	141	180	218	335
80.0	7	7	10	13	19	52	71	72	134	197
82.5	6	6	8	9	11	13	21	24	30	66
85.0	5	5	5	6	7	8	9	9	11	15
87.5	5	5	5	5	5	5	5	5	5	6
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<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>
0.0	510	510	510	510	510	510	510	510	510	510
2.5	511	512	512	512	510	508	506	508	508	509
5.0	512	512	512	511	508	503	500	503	503	504
7.5	512	512	511	508	504	500	496	497	496	498
10.0	516	516	514	510	504	498	492	494	493	495
12.5	524	525	523	517	507	499	492	488	488	487
15.0	533	534	531	527	506	499	491	484	479	479
17.5	539	538	533	531	507	496	486	481	476	473
20.0	558	558	552	537	505	491	488	481	475	467
22.5	596	594	588	567	518	490	487	473	465	459
25.0	613	602	589	573	527	494	478	471	457	450

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CANDELA TABULATION - (Cont.)

27.5	628	613	590	568	518	489	472	463	450	445
30.0	734	715	683	618	513	482	467	460	449	439
32.5	907	894	859	781	589	485	467	457	448	431
35.0	1021	1006	955	883	733	557	468	452	436	428
37.5	1104	1087	1034	979	877	684	492	448	431	416
40.0	1118	1087	1032	996	965	820	582	460	400	325
42.0	1106	1068	1017	974	971	916	688	462	324	244
42.5	1103	1067	1015	972	970	921	696	458	311	210
45.0	1079	1041	986	941	960	930	792	429	199	99
47.5	1045	1001	944	895	955	891	776	362	101	65
50.0	1052	1000	935	876	928	843	580	227	87	69
52.5	1140	1072	1008	932	918	767	331	156	86	77
55.0	1234	1158	1097	1022	952	641	160	149	84	71
57.5	1254	1172	1130	1077	1014	512	130	148	81	59
60.0	1187	1105	1082	1047	1022	430	142	129	79	58
62.5	1065	999	990	951	877	397	121	112	90	65
65.0	948	866	854	813	632	298	91	100	108	68
67.5	780	663	640	596	439	182	86	78	101	55
70.0	712	573	548	482	326	126	86	69	82	31
72.5	622	508	470	370	222	111	79	55	43	24
75.0	436	358	327	240	104	89	62	42	25	24
77.5	277	227	215	134	61	45	33	31	22	20
80.0	130	107	100	67	28	23	21	18	11	9
82.5	61	57	59	19	11	12	10	8	10	6
85.0	14	12	11	9	6	6	5	5	5	4
87.5	5	5	5	5	5	5	4	4	5	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

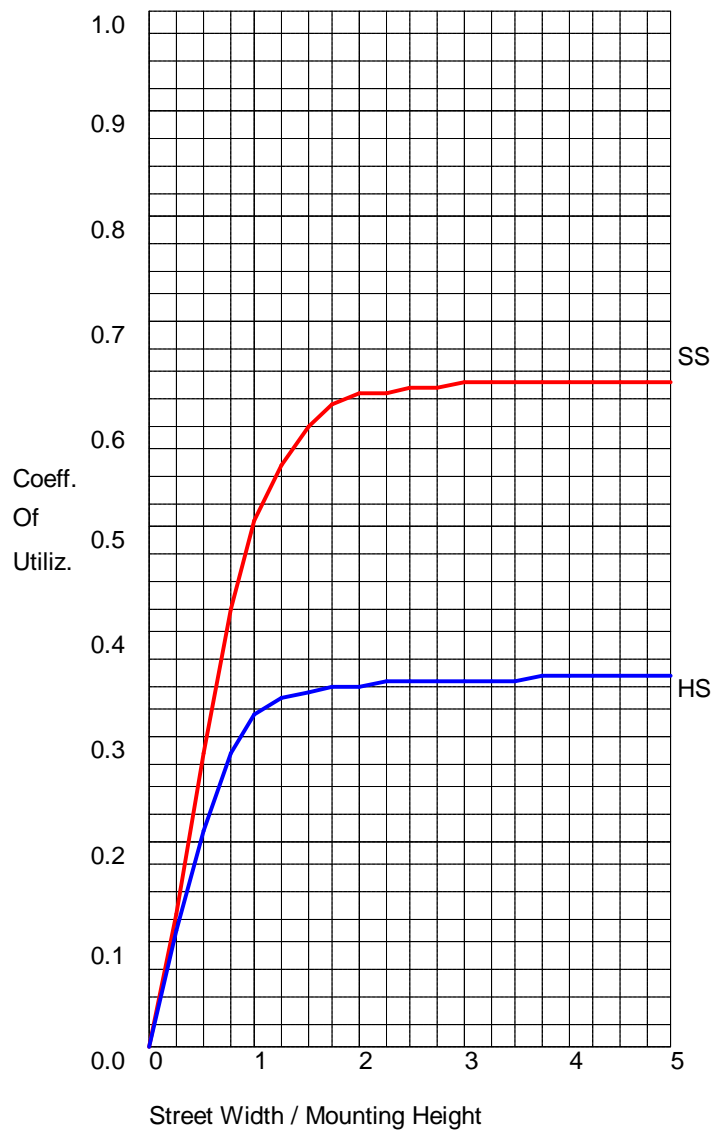
	<u>175</u>	<u>180</u>
0.0	510	510
2.5	503	501
5.0	497	495
7.5	490	489
10.0	485	483
12.5	476	474
15.0	470	468
17.5	463	461
20.0	456	454
22.5	449	446
25.0	441	439
27.5	437	434
30.0	429	425
32.5	421	416
35.0	412	407
37.5	376	369
40.0	280	271
42.0	172	164
42.5	160	152
45.0	74	68
47.5	58	56
50.0	57	55
52.5	56	54
55.0	52	49
57.5	53	47

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CANDELA TABULATION - (Cont.)

60.0	54	53
62.5	55	64
65.0	44	45
67.5	29	28
70.0	19	18
72.5	11	11
75.0	9	8
77.5	7	6
80.0	5	5
82.5	5	4
85.0	4	5
87.5	5	4
90.0	0	0

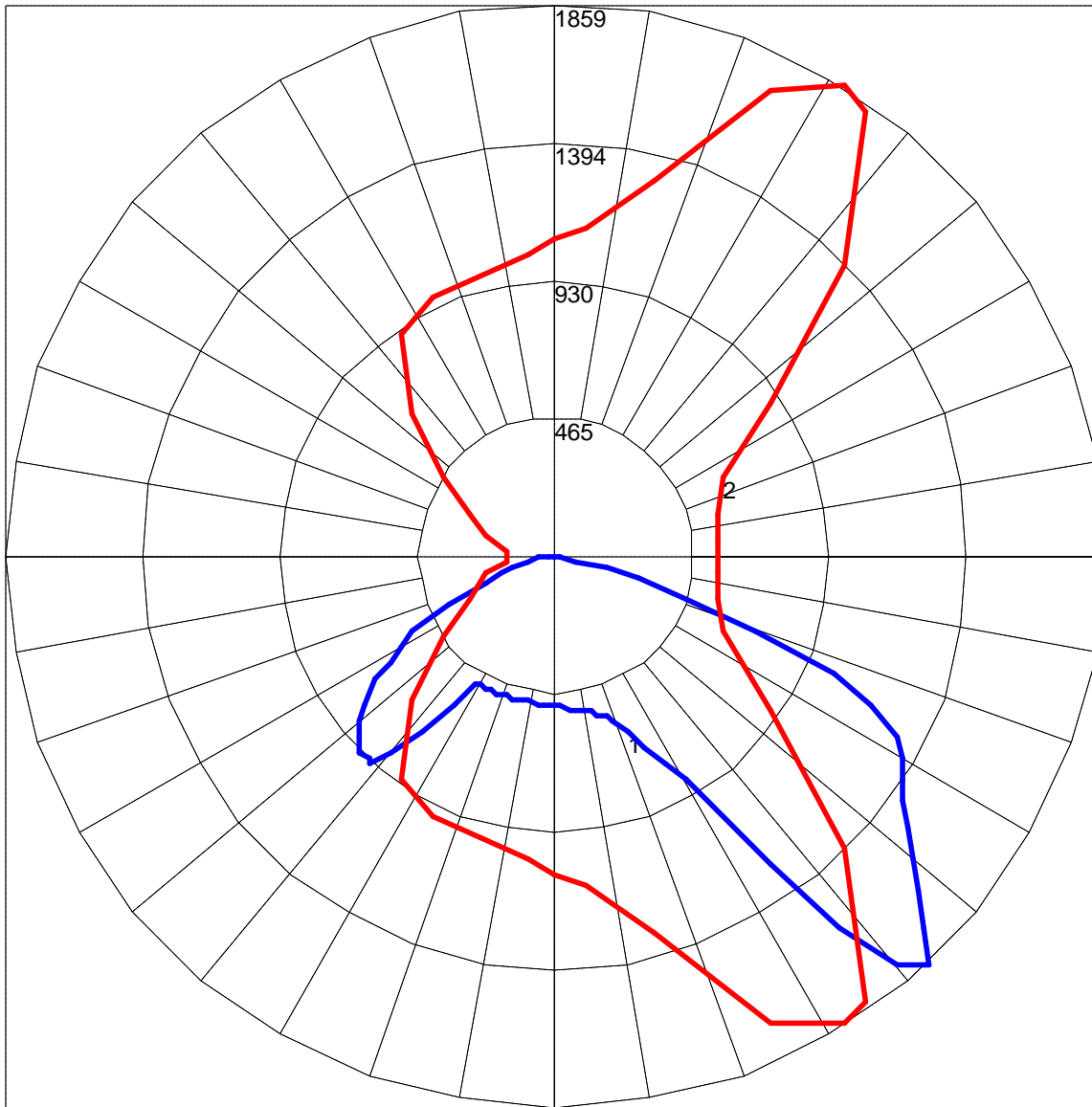
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

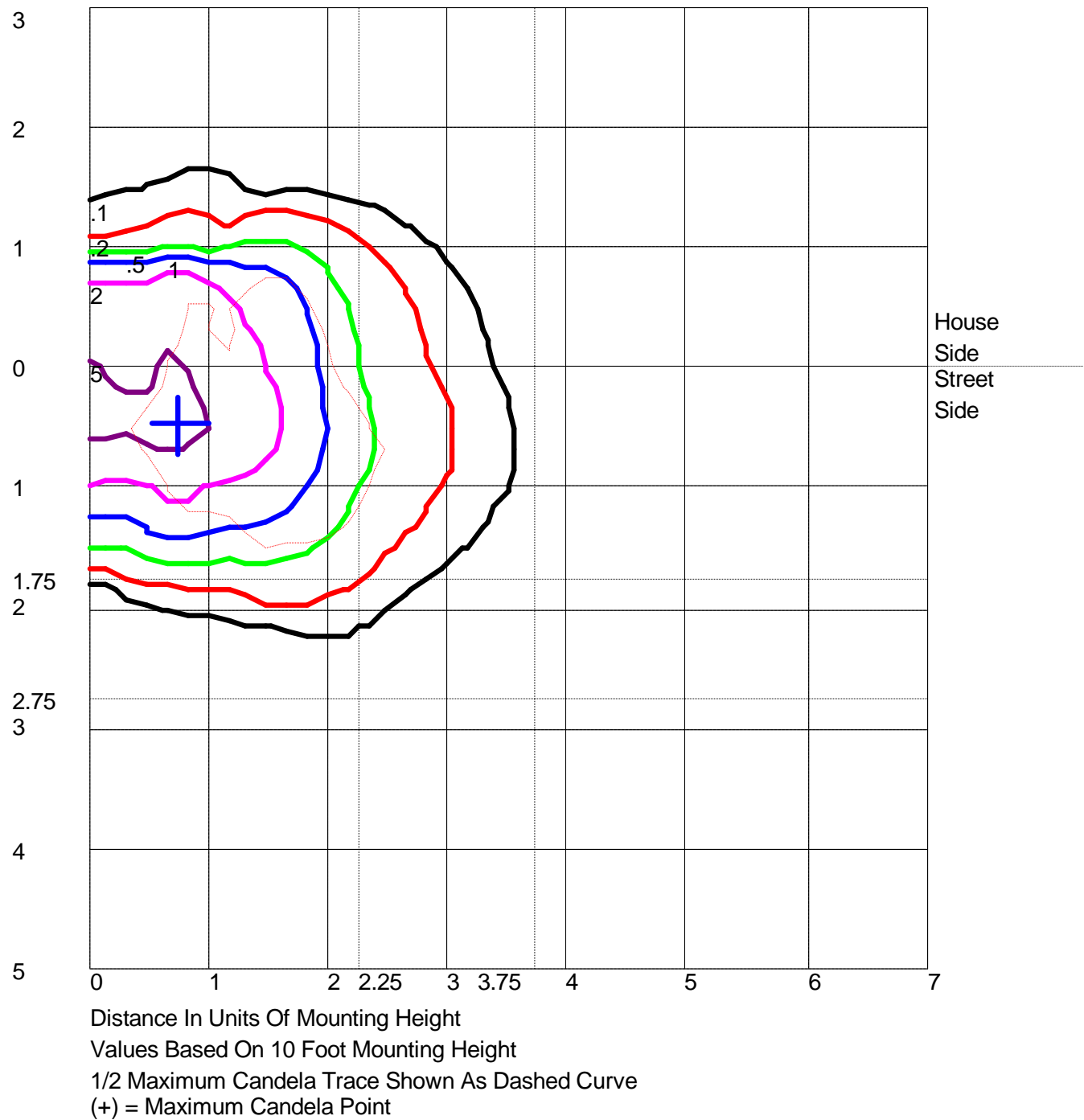
	Lumens	Percent Of Luminaire
Downward Street Side	1913.7	64.3
Downward House Side	1063.9	35.7
Downward Total	2977.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2977.6	100.0

POLAR GRAPH

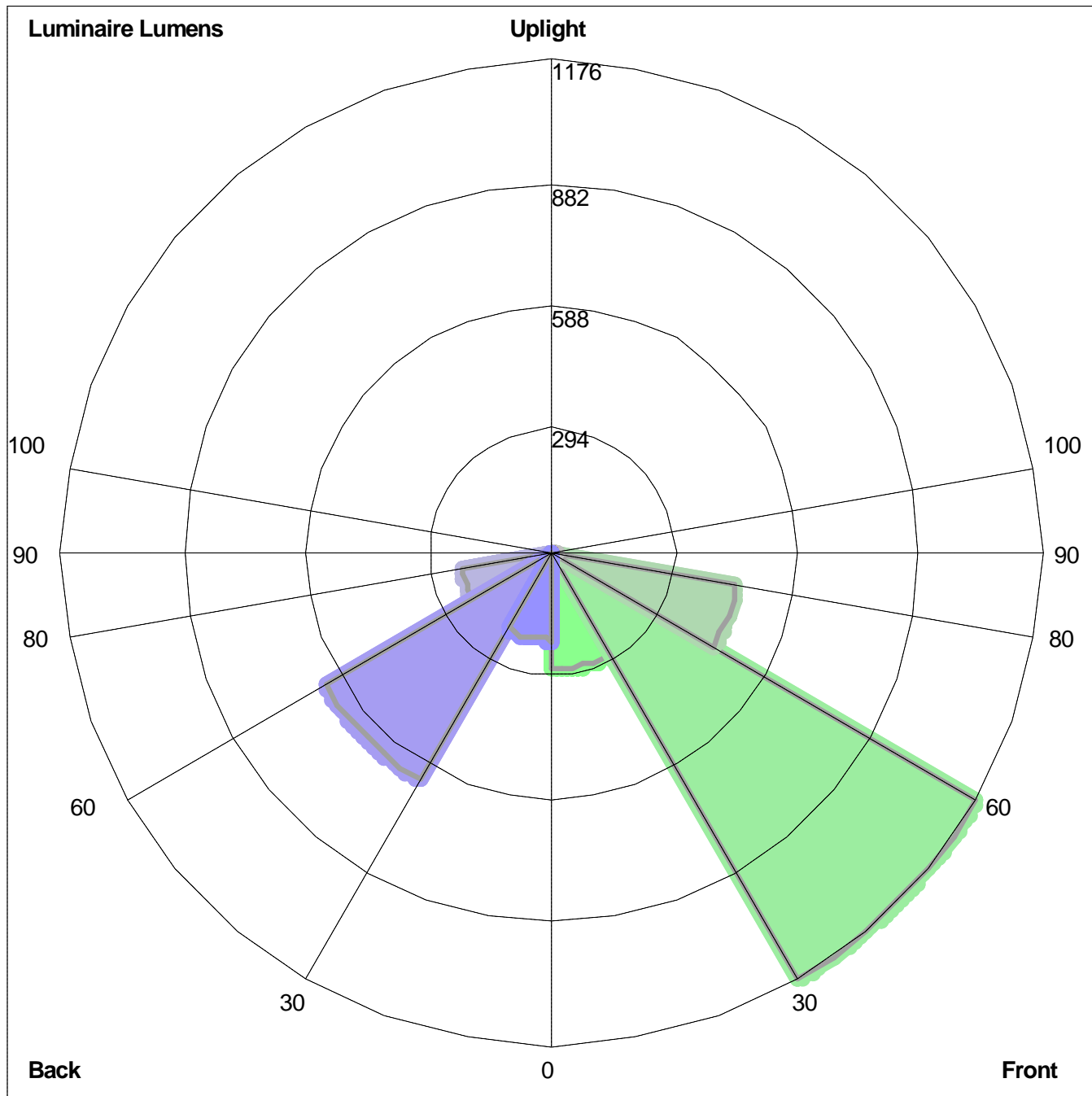


Maximum Candela = 1859 Located At Horizontal Angle = 58, Vertical Angle = 42
1 - Vertical Plane Through Horizontal Angles (58 - 238) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=281.2, Medium=1175.9, High=446.6, Very High=9.9
Back: Low=209.4, Medium=629.7, High=219.1, Very High=5.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1