



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3074
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/22/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WT-LED-28-350-NW-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	2873
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	33.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1778
Maximum Candela Angle	58H 42V
Maximum Candela (<90 Degrees Vertical)	1778
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	188 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	271.2	N.A.	9.4
FM - Front-Medium (30-60)	1127.9	N.A.	39.3
FH - Front-High (60-80)	428.9	N.A.	14.9
FVH - Front-Very High (80-90)	9.8	N.A.	0.3
BL - Back-Low (0-30)	202.2	N.A.	7.0
BM - Back-Medium (30-60)	612.0	N.A.	21.3
BH - Back-High (60-80)	214.8	N.A.	7.5
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	2872.5	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	493	493	493	493	493	493	493	493	493	493
2.5	496	493	492	486	490	492	494	495	497	496
5.0	504	501	500	488	494	495	497	498	500	498
7.5	512	509	507	497	499	499	499	498	501	498
10.0	532	527	524	519	513	509	505	503	505	502
12.5	561	555	550	541	528	523	520	517	516	511
15.0	613	606	598	580	557	545	537	531	528	521
17.5	679	672	660	634	607	581	554	546	538	534
20.0	743	737	724	696	665	629	581	568	558	547
22.5	787	782	773	752	723	685	625	613	598	585
25.0	809	805	794	789	776	740	700	683	656	626
27.5	815	811	804	809	811	812	775	757	714	655
30.0	800	797	807	812	836	891	869	845	770	735
32.5	744	744	763	801	879	999	999	974	919	907
35.0	685	686	701	751	925	1130	1210	1218	1201	1067
37.5	622	623	646	700	930	1241	1470	1520	1492	1202
40.0	568	569	591	649	902	1334	1674	1733	1666	1246
42.0	528	528	548	604	853	1331	1761	1778	1658	1265
42.5	523	525	544	601	853	1331	1763	1776	1655	1265
45.0	486	488	512	574	862	1305	1656	1673	1630	1284
47.5	450	452	483	581	904	1239	1506	1586	1611	1296
50.0	413	414	446	599	959	1138	1391	1500	1594	1305
52.5	369	373	413	622	971	1037	1310	1421	1586	1372
55.0	299	305	378	649	914	964	1250	1376	1590	1471
57.5	227	233	321	613	837	911	1229	1337	1560	1489
60.0	91	97	240	535	700	906	1221	1307	1487	1389
62.5	57	61	128	254	542	920	1209	1259	1327	1209
65.0	36	38	92	184	309	863	1099	1119	1169	1107
67.5	22	24	60	135	277	645	935	972	976	938
70.0	13	14	27	64	192	457	668	684	746	812
72.5	11	12	21	31	112	318	408	440	580	679
75.0	9	11	21	30	97	174	275	278	377	512
77.5	8	9	14	21	75	113	137	171	214	325
80.0	7	7	10	13	18	52	71	72	129	188
82.5	6	6	8	9	10	13	21	25	28	65
85.0	6	6	6	6	7	7	9	10	12	15
87.5	5	5	5	5	5	5	5	5	6	5
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	493	493	493	493	493	493	493	493	493	493
2.5	495	494	493	494	492	489	489	492	491	492
5.0	495	493	493	492	489	485	485	487	486	488
7.5	495	493	493	490	486	481	480	481	479	481
10.0	498	496	494	490	485	479	476	478	477	478
12.5	506	503	504	497	489	480	474	472	470	469
15.0	512	511	510	505	488	480	475	467	462	461
17.5	522	519	515	509	489	476	470	463	459	456
20.0	539	537	531	518	489	471	469	463	459	450
22.5	567	564	560	542	503	472	467	457	451	442
25.0	594	584	573	553	507	474	460	455	442	435

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CANDELA TABULATION - (Cont.)

27.5	608	597	577	553	501	468	455	448	435	428
30.0	707	692	664	605	502	463	449	445	433	424
32.5	894	873	846	769	575	475	450	443	432	417
35.0	982	966	923	850	713	542	454	439	423	413
37.5	1064	1045	998	941	851	665	485	433	419	404
40.0	1074	1043	995	960	931	793	566	447	395	332
42.0	1060	1024	967	940	938	879	664	464	327	223
42.5	1059	1023	976	938	937	885	673	461	315	214
45.0	1033	994	946	907	925	901	761	443	201	103
47.5	1001	953	902	860	914	862	763	365	108	67
50.0	1011	955	895	845	902	817	585	235	87	69
52.5	1091	1026	962	896	884	755	336	154	86	74
55.0	1184	1110	1048	984	919	641	167	148	83	67
57.5	1204	1128	1080	1041	981	513	127	149	78	57
60.0	1135	1061	1034	1017	1001	432	139	127	77	58
62.5	1026	966	950	926	874	394	120	110	86	61
65.0	925	838	826	798	633	298	89	99	106	67
67.5	757	640	618	581	435	181	82	79	99	52
70.0	687	558	531	475	325	124	84	70	82	31
72.5	609	513	456	365	217	108	80	57	44	24
75.0	430	341	315	235	101	85	60	42	25	25
77.5	267	219	212	135	58	43	33	32	22	19
80.0	135	106	100	64	28	22	21	19	12	9
82.5	61	58	57	18	12	12	10	9	10	5
85.0	13	12	11	9	7	7	6	6	5	5
87.5	5	6	5	5	4	4	4	5	5	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

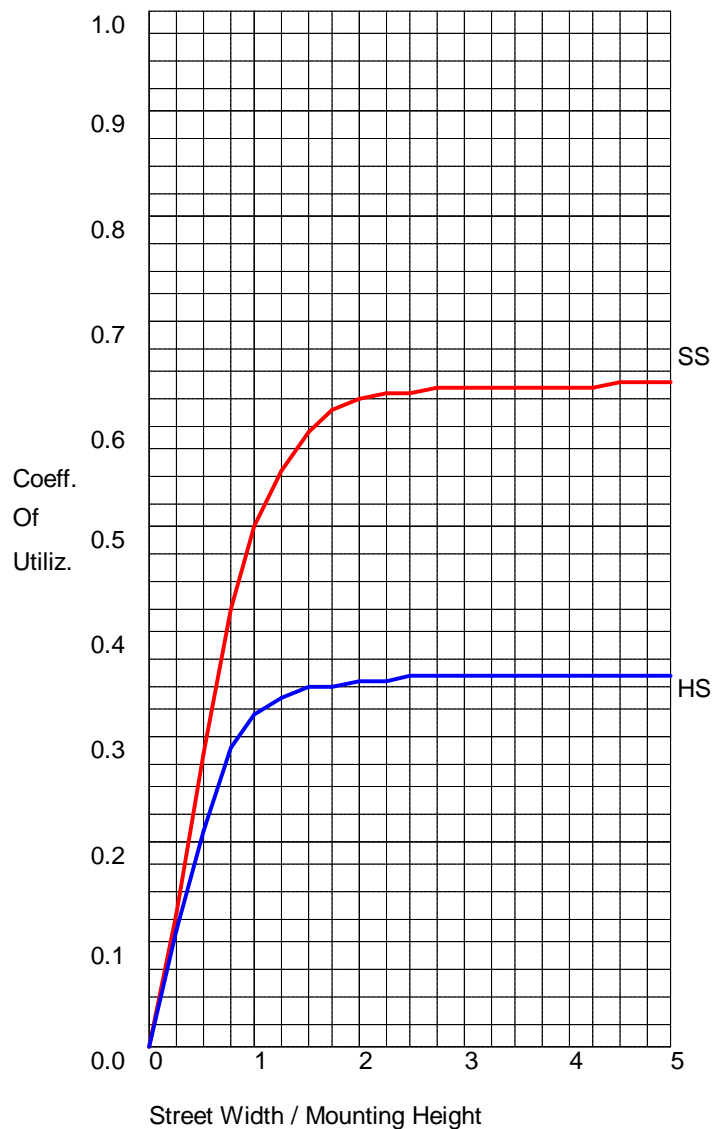
	<u>175</u>	<u>180</u>
0.0	493	493
2.5	489	489
5.0	484	484
7.5	477	476
10.0	472	470
12.5	463	461
15.0	456	454
17.5	451	448
20.0	444	443
22.5	437	436
25.0	430	429
27.5	424	424
30.0	417	416
32.5	409	408
35.0	400	398
37.5	376	373
40.0	287	281
42.0	176	170
42.5	166	159
45.0	79	75
47.5	58	57
50.0	57	56
52.5	56	54
55.0	52	48
57.5	51	46

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CANDELA TABULATION - (Cont.)

60.0	53	51
62.5	53	60
65.0	47	53
67.5	29	28
70.0	18	17
72.5	11	11
75.0	9	9
77.5	7	7
80.0	5	5
82.5	5	5
85.0	4	5
87.5	5	4
90.0	0	0

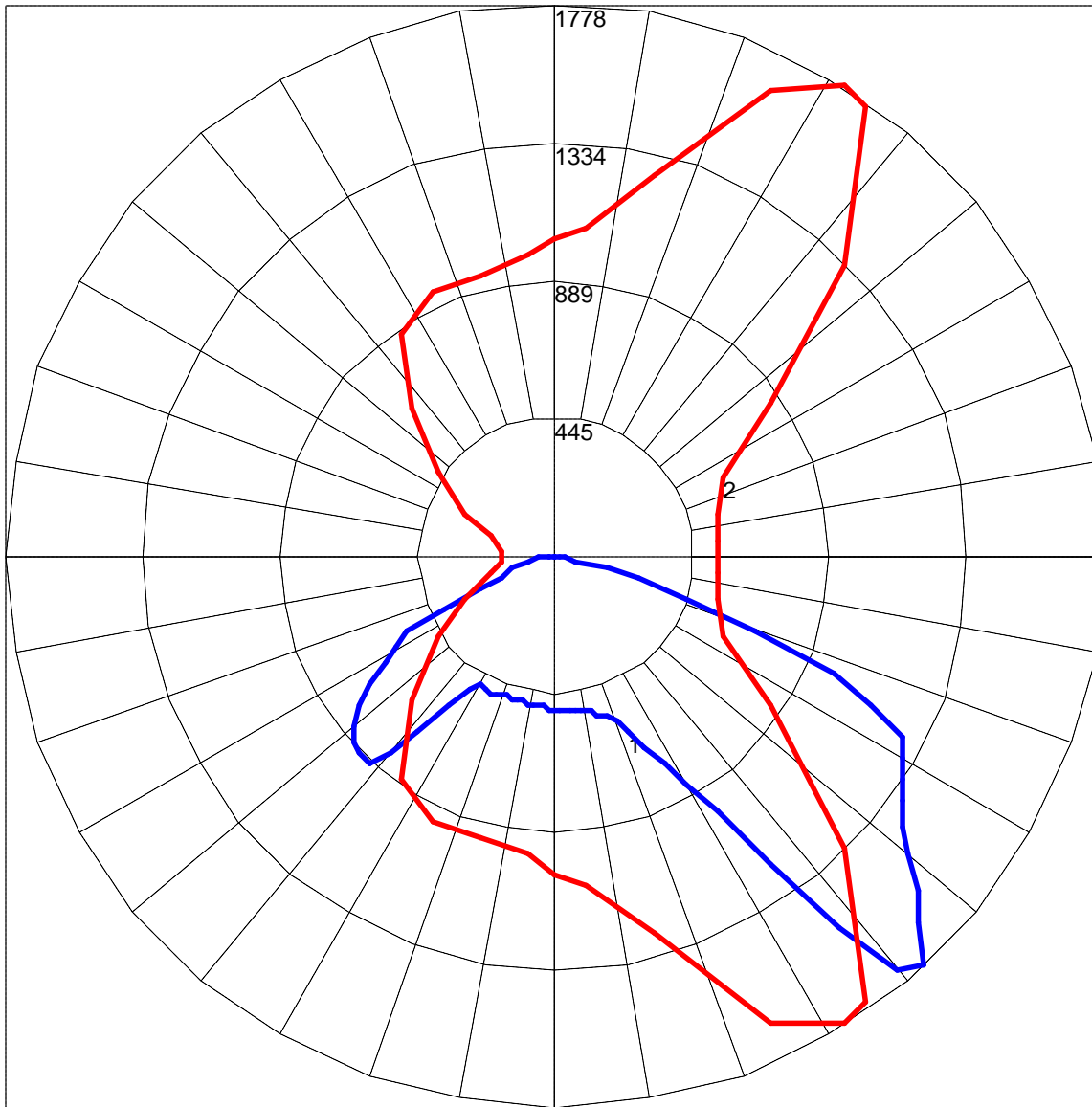
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

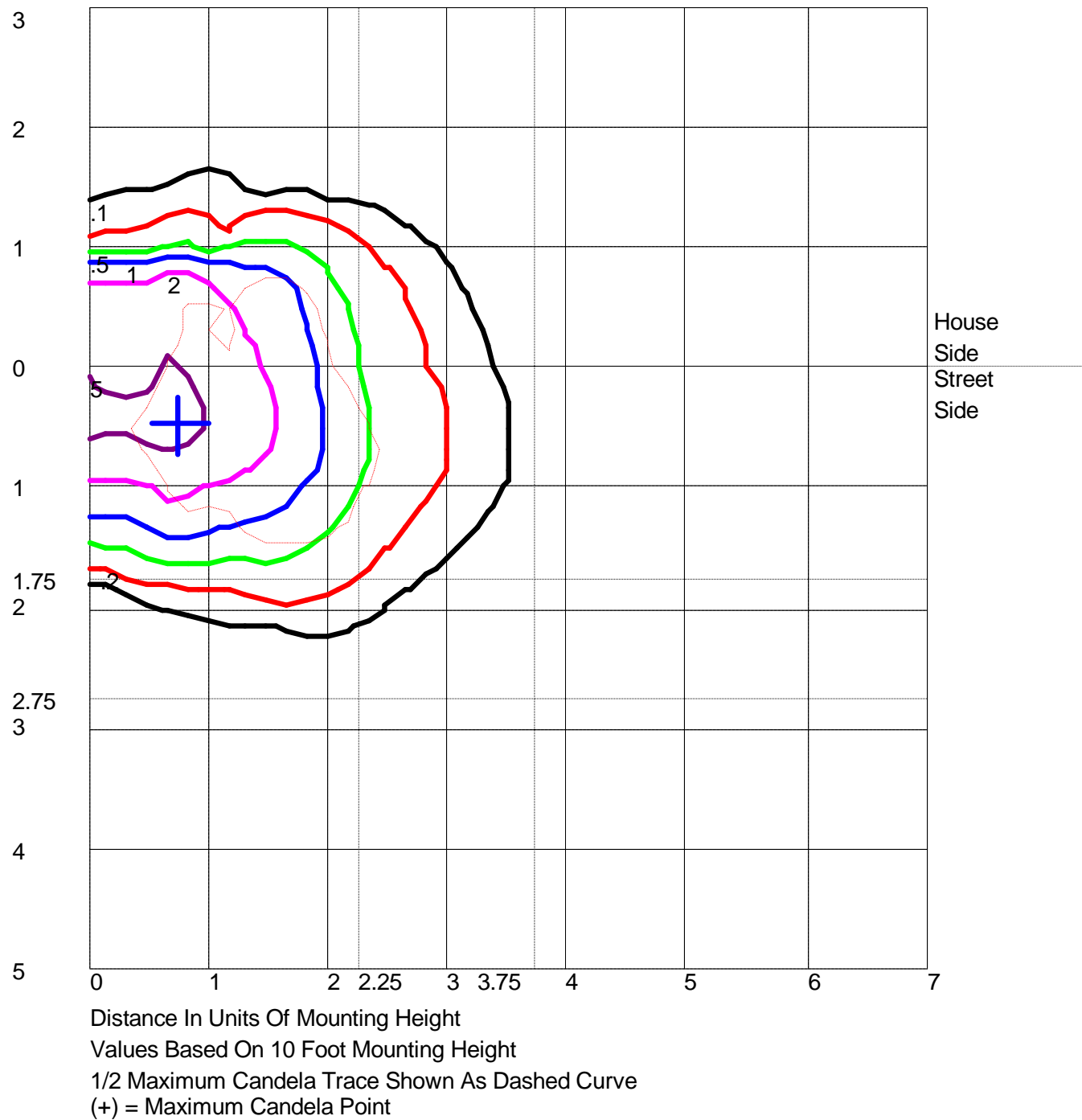
	Lumens	Percent Of Luminaire
Downward Street Side	1837.8	64.0
Downward House Side	1034.8	36.0
Downward Total	2872.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2872.6	100.0

POLAR GRAPH

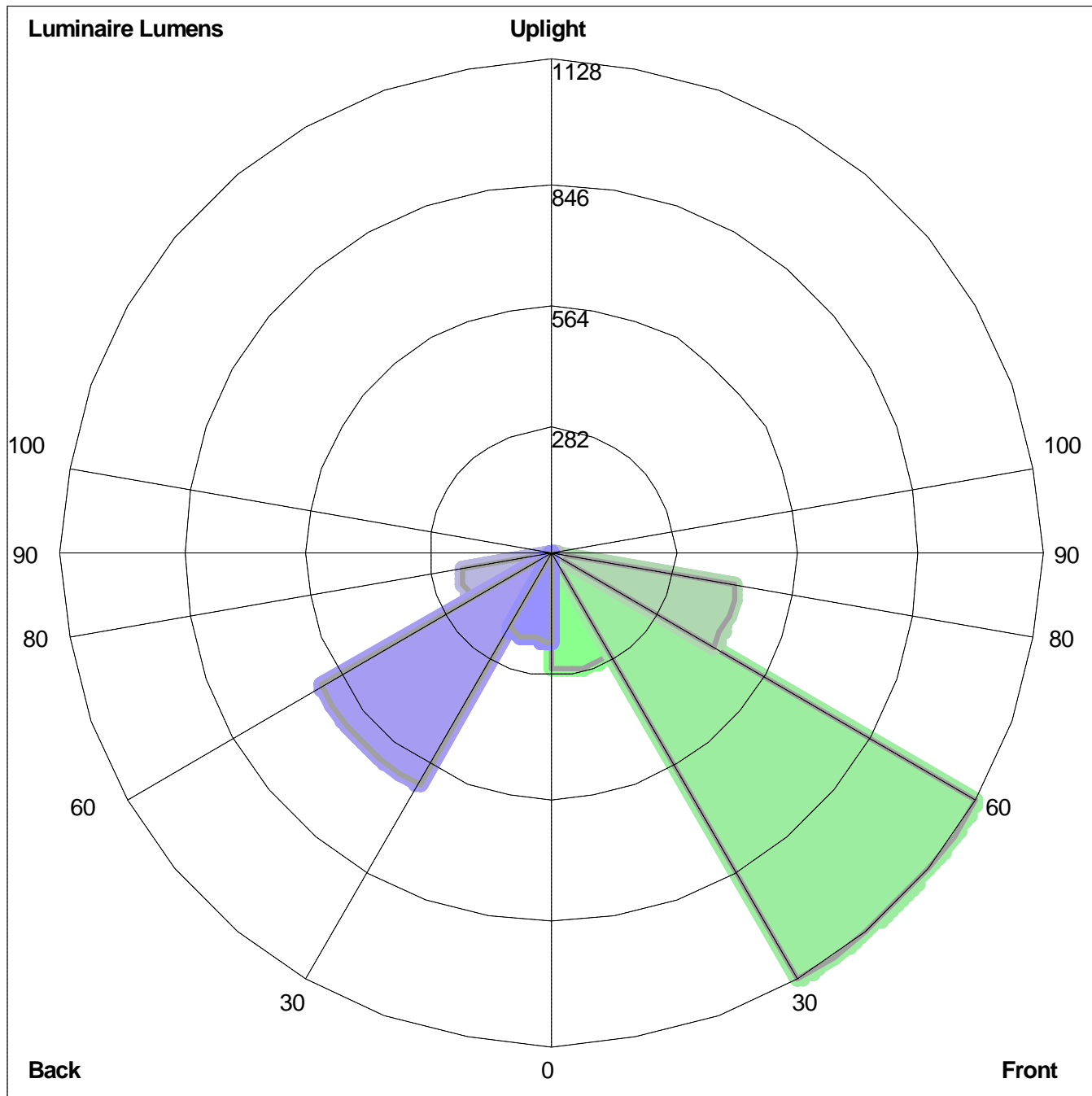


Maximum Candela = 1778 Located At Horizontal Angle = 58, Vertical Angle = 42
1 - Vertical Plane Through Horizontal Angles (58 - 238) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=271.2, Medium=1127.9, High=428.9, Very High=9.8
Back: Low=202.2, Medium=612.0, High=214.8, Very High=5.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1