



IES FLOOD REPORT

PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13138
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/30/22
[TEST DATE] 12/20/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ZNF-100L-MWF-40-GS
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 4000

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	167634
Maximum Candela Angle	0H 3V
Horizontal Beam Angle (50%)	38.8
Vertical Beam Angle (50%)	38.8
Horizontal Field Angle (10%)	76.6
Vertical Field Angle (10%)	75.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	47359
Beam Efficiency	N.A.
Field Lumens	83897
Field Efficiency	N.A.
Spill Lumens	11088
Luminaire Lumens	94985
Total Efficiency	N.A.
Total Luminaire Watts	767
Ballast Factor	1.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1	90	0
85	48	85	0
75	338	75	0
65	1011	65	178
55	2368	55	1208
47.5	4339	47.5	2251
42.5	10061	42.5	6194
37.5	18438	37.5	13491
33	27615	33	22015
29	38055	29	31845
25.5	49656	25.5	42828
22.5	63299	22.5	55925
19.5	84920	19.5	77370
17	106569	17	100194
15	123267	15	117474
13	136163	13	132688
11	146528	11	144500
9	154786	9	153638
7	161149	7	160675
5	165621	5	166030
3	167065	3	167634
1	167291	1	167535
0	167201	0	167201
-1	167291	-1	167243
-3	167065	-3	166998
-5	165621	-5	165771
-7	161149	-7	161738
-9	154786	-9	155891
-11	146528	-11	148255
-13	136163	-13	138530
-15	123267	-15	126088
-17	106569	-17	108991
-19.5	84920	-19.5	87876
-22.5	63299	-22.5	65641
-25.5	49656	-25.5	51619
-29	38055	-29	40001
-33	27615	-33	29714
-37.5	18438	-37.5	20087
-42.5	10061	-42.5	11817
-47.5	4339	-47.5	5165
-55	2368	-55	3023
-65	1011	-65	1400
-75	338	-75	576
-85	48	-85	149
-90	1	-90	34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

CANDELA TABULATION

Maximum Candela = 167634

Beam Edge = 83817 Cd (50% of Max.)

Field Edge = 16763.4 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	1	1	1	1	1	1	1	1	1	1
85.0	1	3	5	5	6	6	5	3	2	1
75.0	1	7	23	37	43	40	37	30	21	18
65.0	1	11	54	107	157	186	204	216	226	233
55.0	1	18	96	207	342	485	587	700	808	913
47.5	1	25	131	294	540	789	1009	1178	1342	1590
42.5	1	29	159	365	704	1123	1347	1692	2099	2292
37.5	1	32	185	447	921	1422	1839	2374	2914	4015
33.0	1	36	208	530	1149	1734	2437	3112	4897	7359
29.0	1	38	230	605	1342	2175	2831	4620	7892	11367
25.5	1	40	247	673	1487	2569	3413	6477	10855	15077
22.5	1	42	262	725	1609	2775	4097	8309	13485	18496 *
19.5	1	43	275	779	1747	2965	5099	10225	16219	21962 *
17.0	1	44	286	822	1874	3158	5876	11770	18412 *	24909 *
15.0	1	45	294	854	1965	3358	6624	12918	19977 *	27100 *
13.0	1	45	302	883	2048	3544	7368	14107	21408 *	29353 *
11.0	1	47	309	911	2121	3714	8032	15173	22825 *	31435 *
9.0	1	47	316	935	2186	3867	8610	16128	24159 *	33318 *
7.0	1	48	322	957	2242	4002	9100	16946 *	25338 *	34944 *
5.0	1	48	329	976	2288	4119	9497	17620 *	26314 *	36265 *
3.0	1	48	333	995	2335	4253	9910	18100 *	27060 *	37217 *
1.0	1	48	336	1006	2357	4310	10011	18385 *	27489 *	37864 *
0.0	1	48	338	1011	2368	4339	10061	18438 *	27615 *	38055 *
-1.0	1	48	340	1015	2387	4362	10119	18460 *	27643 *	38135 *
-3.0	1	48	344	1022	2425	4409	10236	18329 *	27519 *	37996 *
-5.0	1	49	348	1021	2434	4373	10023	18156 *	27280 *	37469 *
-7.0	1	49	347	1020	2442	4341	9805	17884 *	26810 *	36616 *
-9.0	1	49	348	1017	2417	4283	9482	17435 *	26088 *	35507 *
-11.0	1	50	348	1009	2380	4195	9056	16806 *	25078 *	34055 *
-13.0	1	48	348	1002	2334	4079	8527	15984	23900 *	32342 *
-15.0	1	48	347	991	2278	3935	7895	15022	22678 *	30383 *
-17.0	1	48	344	976	2213	3761	7213	14058	21260 *	28442 *
-19.5	1	47	340	954	2118	3627	6449	12681	19225 *	25741 *
-22.5	1	46	333	921	2028	3534	5391	10766	16677	22419 *
-25.5	1	45	323	887	1956	3423	4640	8771	13985	19006 *
-29.0	1	44	310	834	1866	3067	3970	6692	10894	15249
-33.0	1	42	293	771	1696	2626	3680	4872	7619	10974
-37.5	1	39	271	691	1479	2226	3081	3905	4932	6882
-42.5	1	35	243	599	1241	1997	2391	3186	3814	4183
-47.5	1	31	211	514	1029	1566	2044	2345	2869	3312
-55.0	1	24	168	403	740	1094	1349	1628	1918	2164
-65.0	1	17	110	259	444	606	725	851	970	1059
-75.0	1	12	57	136	225	295	348	398	438	466
-85.0	1	6	20	39	62	82	94	106	117	124
-90.0	1	3	7	13	20	24	26	28	30	31

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	1	1	0	0	0	0	0	0	0	0
85.0	1	1	0	0	0	0	0	0	0	0
75.0	12	8	6	3	1	0	0	0	0	0
65.0	235	235	237	235	231	226	220	212	202	190
55.0	974	1024	1070	1101	1123	1142	1160	1176	1190	1200
47.5	1791	1860	1905	1967	2040	2100	2148	2196	2229	2248
42.5	2612	2992	3574	3982	4464	4932	5309	5634	5899	6085
37.5	5380	6732	8221	9367	10163	10982	11674	12235	12652	12926
33.0	9747	11812	13848	15635	16950 *	18076 *	19072 *	19893 *	20566 *	21106 *
29.0	14347	17262 *	20007 *	22284 *	23975 *	25780 *	27283 *	28482 *	29509 *	30460 *
25.5	19060 *	22747 *	26366 *	29281 *	31857 *	34234 *	36203 *	38191 *	39797 *	41181 *
22.5	23391 *	27946 *	32583 *	36508 *	39952 *	43217 *	45916 *	48914 *	51440 *	53545 *
19.5	27926 *	33428 *	39228 *	44907 *	49716 *	54660 *	59007 *	64022 *	68485 *	71877 *
17.0	31657 *	38060 *	45508 *	52842 *	58907 *	67099 *	74309 *	81817 *	88629 *	94704 *
15.0	34655 *	41983 *	50784 *	59472 *	69026 *	78612 *	89391 *	98383 *	105369 *	111545 *
13.0	37544 *	45898 *	56381 *	68145 *	79081 *	92134 *	103649 *	113519 *	121330 *	126759 *
11.0	40287 *	49553 *	61946 *	76495 *	90390 *	104119 *	116364 *	126312 *	134290 *	139670 *
9.0	43116 *	53727 *	68895 *	86096 *	101152 *	114551 *	126778 *	137270 *	143759 *	149036 *
7.0	45564 *	57448 *	75002 *	94418 *	109901 *	123872 *	135462 *	144335 *	150867 *	155509 *
5.0	47328 *	60250 *	79680 *	100960 *	116374 *	129858 *	141083 *	149437 *	155982 *	160430 *
3.0	48618 *	62151 *	83029 *	104717 *	120774 *	133846 *	144234 *	152431 *	158975 *	163649 *
1.0	49437 *	63253 *	84760 *	106447 *	123400 *	136063 *	146153 *	154209 *	160664 *	165485 *
0.0	49656 *	63299 *	84920 *	106569 *	123267 *	136163 *	146528 *	154786 *	161149 *	165621 *
-1.0	49814 *	63912 *	85608 *	107181 *	123533 *	136190 *	146314 *	154372 *	160771 *	165511 *
-3.0	49629 *	63643 *	84659 *	105910 *	121427 *	134457 *	144912 *	153315 *	159944 *	163960 *
-5.0	48689 *	62031 *	81571 *	102280 *	117387 *	130880 *	142709 *	150865 *	156876 *	161316 *
-7.0	47264 *	59639 *	77527 *	96482 *	111386 *	125549 *	137373 *	145846 *	152540 *	157038 *
-9.0	45373 *	56574 *	72289 *	89576 *	104907 *	118630 *	130009 *	139408 *	146047 *	151214 *
-11.0	43091 *	52965 *	66182 *	81987 *	96305 *	109291 *	120739 *	130270 *	137782 *	142855 *
-13.0	40854 *	49701 *	60909 *	74001 *	85765 *	98167 *	109169 *	118992 *	126812 *	131865 *
-15.0	38319 *	46130 *	55618 *	65216 *	75742 *	85675 *	95974 *	105069 *	112506 *	118667 *
-17.0	35625 *	42519 *	50650 *	58811 *	65537 *	74187 *	82147 *	90245 *	97444 *	103548 *
-19.5	32254 *	38083 *	44792 *	50856 *	55980 *	61428 *	66834 *	73080 *	78834 *	83537 *
-22.5	27846 *	32709 *	38031 *	42719 *	46408 *	50042 *	53377 *	57312 *	60784 *	63349 *
-25.5	23584 *	27713 *	32090 *	35791 *	38594 *	41193 *	43511 *	46118 *	48397 *	49990 *
-29.0	18914 *	22454 *	25937 *	28631 *	30624 *	32668 *	34450 *	36013 *	37449 *	38691 *
-33.0	14136	16898 *	19474 *	21580 *	23112 *	24422 *	25641 *	26701 *	27672 *	28501 *
-37.5	9048	11011	13058	14681	15821	16802 *	17655 *	18383 *	19037 *	19553 *
-42.5	4974	5835	7029	7922	8680	9402	10032	10563	10988	11309
-47.5	3674	3851	4010	4196	4428	4634	4811	4963	5084	5173
-55.0	2255	2320	2416	2556	2665	2768	2851	2912	2958	2988
-65.0	1133	1184	1236	1274	1300	1323	1342	1358	1370	1379
-75.0	488	506	523	535	544	552	558	563	567	573
-85.0	130	133	136	138	139	141	144	144	144	144
-90.0	32	33	33	34	34	34	35	35	35	35

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
65.0	187	181	178	181	187	190	202	212	220	226

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

CANDELA TABULATION - (Cont.)

55.0	1211	1209	1208	1209	1211	1200	1190	1176	1160	1142
47.5	2271	2258	2251	2258	2271	2248	2229	2196	2148	2100
42.5	6279	6222	6194	6222	6279	6085	5899	5634	5309	4932
37.5	13067	13401	13491	13401	13067	12926	12652	12235	11674	10982
33.0	21470 *	21876 *	22015 *	21876 *	21470 *	21106 *	20566 *	19893 *	19072 *	18076 *
29.0	31093 *	31652 *	31845 *	31652 *	31093 *	30460 *	29509 *	28482 *	27283 *	25780 *
25.5	42152 *	42708 *	42828 *	42708 *	42152 *	41181 *	39797 *	38191 *	36203 *	34234 *
22.5	55321 *	56153 *	55925 *	56153 *	55321 *	53545 *	51440 *	48914 *	45916 *	43217 *
19.5	75744 *	77580 *	77370 *	77580 *	75744 *	71877 *	68485 *	64022 *	59007 *	54660 *
17.0	98738 *	100437 *	100194 *	100437 *	98738 *	94704 *	88629 *	81817 *	74309 *	67099 *
15.0	115662 *	117928 *	117474 *	117928 *	115662 *	111545 *	105369 *	98383 *	89391 *	78612 *
13.0	130616 *	132753 *	132688 *	132753 *	130616 *	126759 *	121330 *	113519 *	103649 *	92134 *
11.0	142551 *	144403 *	144500 *	144403 *	142551 *	139670 *	134290 *	126312 *	116364 *	104119 *
9.0	151896 *	153372 *	153638 *	153372 *	151896 *	149036 *	143759 *	137270 *	126778 *	114551 *
7.0	159058 *	160258 *	160675 *	160258 *	159058 *	155509 *	150867 *	144335 *	135462 *	123872 *
5.0	163518 *	165472 *	166030 *	165472 *	163518 *	160430 *	155982 *	149437 *	141083 *	129858 *
3.0	166089 *	166998 *	167634 *	166998 *	166089 *	163649 *	158975 *	152431 *	144234 *	133846 *
1.0	167002 *	167415 *	167535 *	167415 *	167002 *	165485 *	160664 *	154209 *	146153 *	136063 *
0.0	167065 *	167291 *	167201 *	167291 *	167065 *	165621 *	161149 *	154786 *	146528 *	136163 *
-1.0	166913 *	167288 *	167243 *	167288 *	166913 *	165511 *	160771 *	154372 *	146314 *	136190 *
-3.0	166124 *	166720 *	166998 *	166720 *	166124 *	163960 *	159944 *	153315 *	144912 *	134457 *
-5.0	164048 *	165498 *	165771 *	165498 *	164048 *	161316 *	156876 *	150865 *	142709 *	130880 *
-7.0	160183 *	161275 *	161738 *	161275 *	160183 *	157038 *	152540 *	145846 *	137373 *	125549 *
-9.0	153882 *	155393 *	155891 *	155393 *	153882 *	151214 *	146047 *	139408 *	130009 *	118630 *
-11.0	145658 *	147665 *	148255 *	147665 *	145658 *	142855 *	137782 *	130270 *	120739 *	109291 *
-13.0	135489 *	137795 *	138530 *	137795 *	135489 *	131865 *	126812 *	118992 *	109169 *	98167 *
-15.0	122848 *	125527 *	126088 *	125527 *	122848 *	118667 *	112506 *	105069 *	95974 *	85675 *
-17.0	107528 *	109276 *	108991 *	109276 *	107528 *	103548 *	97444 *	90245 *	82147 *	74187 *
-19.5	86900 *	88292 *	87876 *	88292 *	86900 *	83537 *	78834 *	73080 *	66834 *	61428 *
-22.5	64792 *	65620 *	65641 *	65620 *	64792 *	63349 *	60784 *	57312 *	53377 *	50042 *
-25.5	51002 *	51534 *	51619 *	51534 *	51002 *	49990 *	48397 *	46118 *	43511 *	41193 *
-29.0	39534 *	39942 *	40001 *	39942 *	39534 *	38691 *	37449 *	36013 *	34450 *	32668 *
-33.0	29113 *	29568 *	29714 *	29568 *	29113 *	28501 *	27672 *	26701 *	25641 *	24422 *
-37.5	19923 *	20093 *	20087 *	20093 *	19923 *	19553 *	19037 *	18383 *	17655 *	16802 *
-42.5	11664	11766	11817	11766	11664	11309	10988	10563	10032	9402
-47.5	5250	5193	5165	5193	5250	5173	5084	4963	4811	4634
-55.0	3022	3023	3023	3023	3022	2988	2958	2912	2851	2768
-65.0	1393	1398	1400	1398	1393	1379	1370	1358	1342	1323
-75.0	574	575	576	575	574	573	567	563	558	552
-85.0	146	148	149	148	146	144	144	144	144	141
-90.0	35	34	34	34	35	35	35	35	35	34

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	1	1	1	1	1	1	1
85.0	0	0	0	1	1	1	2	3	5	6
75.0	1	3	6	8	12	18	21	30	37	40
65.0	231	235	237	235	235	233	226	216	204	186
55.0	1123	1101	1070	1024	974	913	808	700	587	485
47.5	2040	1967	1905	1860	1791	1590	1342	1178	1009	789
42.5	4464	3982	3574	2992	2612	2292	2099	1692	1347	1123
37.5	10163	9367	8221	6732	5380	4015	2914	2374	1839	1422
33.0	16950 *	15635	13848	11812	9747	7359	4897	3112	2437	1734
29.0	23975 *	22284 *	20007 *	17262 *	14347	11367	7892	4620	2831	2175
25.5	31857 *	29281 *	26366 *	22747 *	19060 *	15077	10855	6477	3413	2569

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

CANDELA TABULATION - (Cont.)

22.5	39952 *	36508 *	32583 *	27946 *	23391 *	18496 *	13485	8309	4097	2775
19.5	49716 *	44907 *	39228 *	33428 *	27926 *	21962 *	16219	10225	5099	2965
17.0	58907 *	52842 *	45508 *	38060 *	31657 *	24909 *	18412 *	11770	5876	3158
15.0	69026 *	59472 *	50784 *	41983 *	34655 *	27100 *	19977 *	12918	6624	3358
13.0	79081 *	68145 *	56381 *	45898 *	37544 *	29353 *	21408 *	14107	7368	3544
11.0	90390 *	76495 *	61946 *	49553 *	40287 *	31435 *	22825 *	15173	8032	3714
9.0	101152 *	86096 *	68895 *	53727 *	43116 *	33318 *	24159 *	16128	8610	3867
7.0	109901 *	94418 *	75002 *	57448 *	45564 *	34944 *	25338 *	16946 *	9100	4002
5.0	116374 *	100960 *	79680 *	60250 *	47328 *	36265 *	26314 *	17620 *	9497	4119
3.0	120774 *	104717 *	83029 *	62151 *	48618 *	37217 *	27060 *	18100 *	9910	4253
1.0	123400 *	106447 *	84760 *	63253 *	49437 *	37864 *	27489 *	18385 *	10011	4310
0.0	123267 *	106569 *	84920 *	63299 *	49656 *	38055 *	27615 *	18438 *	10061	4339
-1.0	123533 *	107181 *	85608 *	63912 *	49814 *	38135 *	27643 *	18460 *	10119	4362
-3.0	121427 *	105910 *	84659 *	63643 *	49629 *	37996 *	27519 *	18329 *	10236	4409
-5.0	117387 *	102280 *	81571 *	62031 *	48689 *	37469 *	27280 *	18156 *	10023	4373
-7.0	111386 *	96482 *	77527 *	59639 *	47264 *	36616 *	26810 *	17884 *	9805	4341
-9.0	104907 *	89576 *	72289 *	56574 *	45373 *	35507 *	26088 *	17435 *	9482	4283
-11.0	96305 *	81987 *	66182 *	52965 *	43091 *	34055 *	25078 *	16806 *	9056	4195
-13.0	85765 *	74001 *	60909 *	49701 *	40854 *	32342 *	23900 *	15984	8527	4079
-15.0	75742 *	65216 *	55618 *	46130 *	38319 *	30383 *	22678 *	15022	7895	3935
-17.0	65537 *	58811 *	50650 *	42519 *	35625 *	28442 *	21260 *	14058	7213	3761
-19.5	55980 *	50856 *	44792 *	38083 *	32254 *	25741 *	19225 *	12681	6449	3627
-22.5	46408 *	42719 *	38031 *	32709 *	27846 *	22419 *	16677	10766	5391	3534
-25.5	38594 *	35791 *	32090 *	27713 *	23584 *	19006 *	13985	8771	4640	3423
-29.0	30624 *	28631 *	25937 *	22454 *	18914 *	15249	10894	6692	3970	3067
-33.0	23112 *	21580 *	19474 *	16898 *	14136	10974	7619	4872	3680	2626
-37.5	15821	14681	13058	11011	9048	6882	4932	3905	3081	2226
-42.5	8680	7922	7029	5835	4974	4183	3814	3186	2391	1997
-47.5	4428	4196	4010	3851	3674	3312	2869	2345	2044	1566
-55.0	2665	2556	2416	2320	2255	2164	1918	1628	1349	1094
-65.0	1300	1274	1236	1184	1133	1059	970	851	725	606
-75.0	544	535	523	506	488	466	438	398	348	295
-85.0	139	138	136	133	130	124	117	106	94	82
-90.0	34	34	33	33	32	31	30	28	26	24

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	1	1	1	1	1
85.0	6	5	5	3	1
75.0	43	37	23	7	1
65.0	157	107	54	11	1
55.0	342	207	96	18	1
47.5	540	294	131	25	1
42.5	704	365	159	29	1
37.5	921	447	185	32	1
33.0	1149	530	208	36	1
29.0	1342	605	230	38	1
25.5	1487	673	247	40	1
22.5	1609	725	262	42	1
19.5	1747	779	275	43	1
17.0	1874	822	286	44	1
15.0	1965	854	294	45	1
13.0	2048	883	302	45	1
11.0	2121	911	309	47	1
9.0	2186	935	316	47	1

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

CANDELA TABULATION - (Cont.)

7.0	2242	957	322	48	1
5.0	2288	976	329	48	1
3.0	2335	995	333	48	1
1.0	2357	1006	336	48	1
0.0	2368	1011	338	48	1
-1.0	2387	1015	340	48	1
-3.0	2425	1022	344	48	1
-5.0	2434	1021	348	49	1
-7.0	2442	1020	347	49	1
-9.0	2417	1017	348	49	1
-11.0	2380	1009	348	50	1
-13.0	2334	1002	348	48	1
-15.0	2278	991	347	48	1
-17.0	2213	976	344	48	1
-19.5	2118	954	340	47	1
-22.5	2028	921	333	46	1
-25.5	1956	887	323	45	1
-29.0	1866	834	310	44	1
-33.0	1696	771	293	42	1
-37.5	1479	691	271	39	1
-42.5	1241	599	243	35	1
-47.5	1029	514	211	31	1
-55.0	740	403	168	24	1
-65.0	444	259	110	17	1
-75.0	225	136	57	12	1
-85.0	62	39	20	6	1
-90.0	20	13	7	3	1

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 47492.42

Total Field Lumens (one side of beam only) = 41948.62

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
65	0.27	0.56	0.57	0.59	0.62	0.65	0.66	0.68	0.69	0.87
55	2.11	4.24	4.24	4.21	4.19	4.15	4.09	4.02	3.94	4.78
47.5	3.96	7.93	7.90	7.80	7.68	7.51	7.32	7.10	6.84	8.19
42.5	6.44	12.96	12.83	12.47	12.03	11.46	10.79	10.00	9.12	10.33
37.5	14.97	29.66	29.14	28.45	27.46	26.14	24.50	22.57	20.48	22.73
33	24.26 *	47.82 *	46.88 *	45.84 *	44.35	42.44	40.09	37.35	34.33	38.30
29	32.71 *	64.59 *	63.28 *	61.58 *	59.39 *	56.83 *	53.76 *	50.11 *	46.17 *	51.91 *
25.5	39.72 *	78.63 *	77.04 *	74.72 *	71.78 *	68.33 *	64.39 *	59.92 *	55.03 *	61.97 *
22.5	45.15 *	89.65 *	87.60 *	84.50 *	80.69 *	76.14 *	71.31 *	66.17 *	60.43 *	67.66 *
19.5	61.00 *	120.91 *	116.90 *	111.49 *	105.36 *	98.03 *	90.64 *	83.14 *	75.14 *	83.11 *
17	67.69 *	134.13 *	129.54 *	122.57 *	114.23 *	104.67 *	95.00 *	85.11 *	75.53 *	82.48 *
15	66.41 *	131.74 *	127.82 *	121.25 *	112.87 *	103.16 *	92.19 *	80.88 *	70.34 *	75.43 *
13	76.28 *	151.28 *	147.25 *	140.86 *	132.30 *	121.47 *	108.39 *	94.24 *	80.73 *	84.89 *
11	84.43 *	167.53 *	163.96 *	158.15 *	149.45 *	137.94 *	124.02 *	108.09 *	91.97 *	95.09 *
9	90.76 *	180.28 *	177.20 *	171.69 *	163.38 *	152.00 *	137.59 *	121.24 *	103.69 *	106.10 *
7	95.64 *	190.13 *	187.03 *	181.51 *	173.81 *	163.14 *	149.17 *	132.84 *	114.65 *	117.30 *
5	99.37 *	197.35 *	194.02 *	188.66 *	181.17 *	171.08 *	157.99 *	141.87 *	123.46 *	126.58 *
3	101.45 *	201.55 *	198.63 *	193.59 *	186.06 *	176.14 *	163.58 *	148.03 *	129.66 *	133.20 *
1	101.98 *	203.20 *	201.22 *	196.53 *	188.91 *	179.09 *	166.94 *	151.94 *	133.32 *	137.03 *
0	50.98 *	101.79 *	101.06 *	98.90 *	95.14 *	90.24 *	84.16 *	76.68 *	67.30 *	69.19 *
-1	50.95 *	101.76 *	101.05 *	98.92 *	95.18 *	90.29 *	84.20 *	76.72 *	67.43 *	69.48 *
	101.77 *	203.06 *	201.31 *	196.96 *	189.55 *	179.66 *	167.41 *	152.39 *	134.12 *	138.62 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMENS TABULATION - (Cont.)

-3	101.28 *	201.64 *	199.16 *	194.51 *	187.32 *	177.53 *	164.75 *	149.00 *	130.88 *	135.39 *
-5	99.65 *	198.18 *	195.26 *	190.17 *	182.83 *	173.02 *	159.85 *	143.40 *	125.18 *	129.40 *
-7	96.60 *	192.01 *	189.10 *	183.83 *	176.11 *	165.78 *	152.42 *	136.09 *	117.81 *	121.45 *
-9	92.48 *	183.44 *	180.37 *	175.06 *	166.96 *	156.11 *	142.62 *	126.83 *	109.15 *	112.11 *
-11	87.15 *	172.48 *	168.91 *	163.38 *	155.00 *	143.74 *	130.31 *	115.13 *	98.98 *	102.36 *
-13	80.41 *	158.80 *	154.62 *	148.39 *	139.77 *	128.75 *	115.90 *	102.07 *	88.05 *	92.47 *
-15	71.56 *	141.61 *	137.52 *	130.92 *	122.24 *	112.02 *	100.70 *	89.00 *	77.68 *	83.27 *
-17	75.09 *	149.16 *	144.91 *	137.59 *	128.05 *	117.10 *	105.99 *	95.00 *	84.61 *	92.71 *
-19.5	70.23 *	139.55 *	136.09 *	130.19 *	122.17 *	112.76 *	103.54 *	94.81 *	86.07 *	95.68 *
-22.5	53.55 *	106.37 *	104.44 *	101.11 *	96.20 *	90.14 *	84.08 *	78.13 *	71.82 *	80.62 *
-25.5	48.80 *	96.96 *	95.30 *	92.52 *	88.67 *	84.04 *	79.16 *	74.00 *	68.48 *	77.48 *
-29	42.41 *	84.11 *	82.55 *	80.16 *	77.12 *	73.68 *	69.83 *	65.51 *	60.87 *	69.15 *
-33	34.08 *	67.60 *	66.38 *	64.59 *	62.30 *	59.65 *	56.66 *	53.30 *	49.54 *	55.97 *
-37.5	24.28	48.29	47.44	46.11	44.47	42.47	40.14	37.47	34.48	38.59
-42.5	12.92	25.78	25.37	24.65	23.83	22.77	21.51	20.06	18.47	20.93
-47.5	9.37	18.82	18.72	18.41	18.00	17.48	16.83	16.07	15.20	17.87
-55	6.73	13.45	13.34	13.17	12.97	12.69	12.34	11.90	11.41	13.53
-65	3.01	6.00	5.95	5.89	5.82	5.73	5.62	5.50	5.35	6.45
-75	1.10	2.20	2.18	2.16	2.14	2.11	2.08	2.03	1.99	2.41
-85	0.14	0.28	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.31
-90										
Total	2229.14	4427.5	4344.36	4204.34	4007.83	3758.44	3462.79	3126.66	2760.66	2933.38

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.02
85	0.03	0.05	0.08	0.11	0.16	0.22	0.24	0.34	0.35	0.18
75	1.04	1.02	1.18	1.30	1.38	1.42	1.26	1.52	1.31	0.57
65	5.47	5.15	5.58	5.69	5.46	4.98	3.94	4.18	3.09	1.21
55	9.37	8.84	9.36	9.11	8.45	7.60	5.79	5.78	3.94	1.42

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMENS TABULATION - (Cont.)

47.5										
	11.02	9.66	9.81	9.56	8.83	7.62	5.74	5.64	3.62	1.23
42.5	22.95	18.49	16.94	14.78	12.70	10.57	7.71	7.45	4.63	1.50
37.5	38.98	31.62	28.25	22.54	16.74	12.81	9.00	8.40	5.21	1.60
33	53.68	44.38	40.58	32.91	22.97	15.16	9.88	9.15	5.52	1.64
29	64.48 *	53.62 *	49.63	41.29	29.22	17.70	10.35	9.47	5.47	1.60
25.5	70.15 *	58.31 *	54.04 *	45.36	32.84	19.50	10.38	9.05	5.13	1.49
22.5	85.21 *	70.55 *	65.23 *	54.95 *	40.49	24.26	12.06	9.75	5.54	1.59
19.5	83.29 *	68.38 *	63.05 *	53.19 *	39.61	24.03	11.51	8.70	4.96	1.41
17	75.21 *	61.08 *	56.07 *	47.20 *	35.30	21.69	10.24	7.40	4.19	1.17
15	83.19 *	66.81 *	60.96 *	51.08 *	38.28 *	23.92	11.25	7.80	4.37	1.21
13	91.18 *	72.32 *	65.68 *	54.83 *	41.14 *	26.06	12.20	8.16	4.54	1.25
11	99.86 *	77.92 *	70.20 *	58.34 *	43.81 *	27.96	13.04	8.49	4.68	1.29
9	108.80 *	83.41 *	74.37 *	61.48 *	46.20 *	29.62	13.77	8.79	4.81	1.32
7	116.18 *	87.90 *	77.76 *	64.15 *	48.25 *	31.00	14.38	9.04	4.92	1.34
5	121.61 *	91.13 *	80.28 *	66.23 *	49.85 *	32.15	14.95	9.28	5.02	1.37
3	125.06 *	93.27 *	82.04 *	67.68 *	50.94 *	32.90	15.33	9.47	5.09	1.39
1	63.18 *	47.09 *	41.46 *	34.20 *	25.72 *	16.59	7.73	4.78	2.56	0.70
0	63.50 *	47.31 *	41.62 *	34.32 *	25.78 *	16.64	7.77	4.81	2.58	0.70
-1	127.03 *	94.74 *	83.19 *	68.55 *	51.45 *	33.33	15.68	9.70	5.21	1.42
-3	124.51 *	93.49 *	82.35 *	68.01 *	51.08 *	33.09	15.63	9.75	5.25	1.42
-5	119.76 *	90.83 *	80.57 *	66.92 *	50.43 *	32.58	15.36	9.71	5.26	1.42
-7	113.47 *	87.17 *	78.07 *	65.27 *	49.36 *	31.85	15.03	9.63	5.24	1.42
-9	105.78 *	82.64 *	74.88 *	63.03 *	47.79 *	30.78	14.54	9.48	5.19	1.42
-11	98.00 *	77.89 *	71.24 *	60.24 *	45.76 *	29.38	13.92	9.28	5.11	1.41
-13	90.58 *	73.04 *	67.24 *	57.07 *	43.41 *	27.66	13.15	9.02	5.02	1.40
-15	83.14 *	67.86 *	62.91 *	53.65 *	40.86 *	25.77	12.28	8.71	4.91	1.38
-17	93.86 *	77.47 *	72.30 *	61.78 *	47.02 *	29.45	14.16	10.47	5.95	1.70
-19.5	98.28 *	81.95 *	76.95 *	65.83 *	49.82	30.87	15.34	12.12	6.87	1.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMENS TABULATION - (Cont.)

-22.5	83.52 *	70.03 *	66.00 *	56.46 *	42.14	25.87	13.72	11.73	6.61	1.92
-25.5	80.76 *	67.68 *	63.65 *	54.03	39.51	24.57	14.23	12.89	7.38	2.14
-29	72.31 *	60.44 *	56.17	46.71	33.66	22.41	14.37	13.23	7.86	2.30
-33	58.00	47.98	43.75	35.72	26.85	20.39	14.07	12.90	7.94	2.37
-37.5	39.38	32.21	29.72	25.86	22.15	18.32	13.05	12.40	7.62	2.35
-42.5	22.10	19.13	19.12	18.51	17.09	14.53	10.76	10.42	6.43	2.04
-47.5	20.15	18.94	20.27	20.09	18.38	16.11	12.22	11.87	7.66	2.53
-55	15.26	14.38	15.66	15.95	15.02	13.28	10.16	10.30	7.02	2.45
-65	7.36	6.91	7.45	7.66	7.43	6.77	5.31	5.61	4.05	1.46
-75	2.77	2.62	2.86	2.99	2.96	2.76	2.20	2.37	1.76	0.66
-85	0.36	0.34	0.38	0.39	0.39	0.37	0.30	0.34	0.25	0.10
-90										
Total	2849.78	2266.06	2068.91	1745.04	1326.69	874.53	464.03	359.39	210.16	62.50

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00	0.13	
85				
	0.05	0.00	1.82	
75				
	0.13	0.00	18.30	
65				
	0.24	0.01	84.97	
55				
	0.27	0.01	142.18	
47.5				
	0.23	0.00	181.39	
42.5				
	0.27	0.01	364.08	
37.5				
	0.27	0.01	577.09	
33				
	0.27	0.01	776.47	
29				
	0.26	0.00	934.63	
25.5				
	0.23	0.00	1035.79	
22.5				
	0.25	0.00	1315.61	
19.5				
	0.21	0.00	1369.33	
17				
	0.18	0.00	1301.82	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMENS TABULATION - (Cont.)

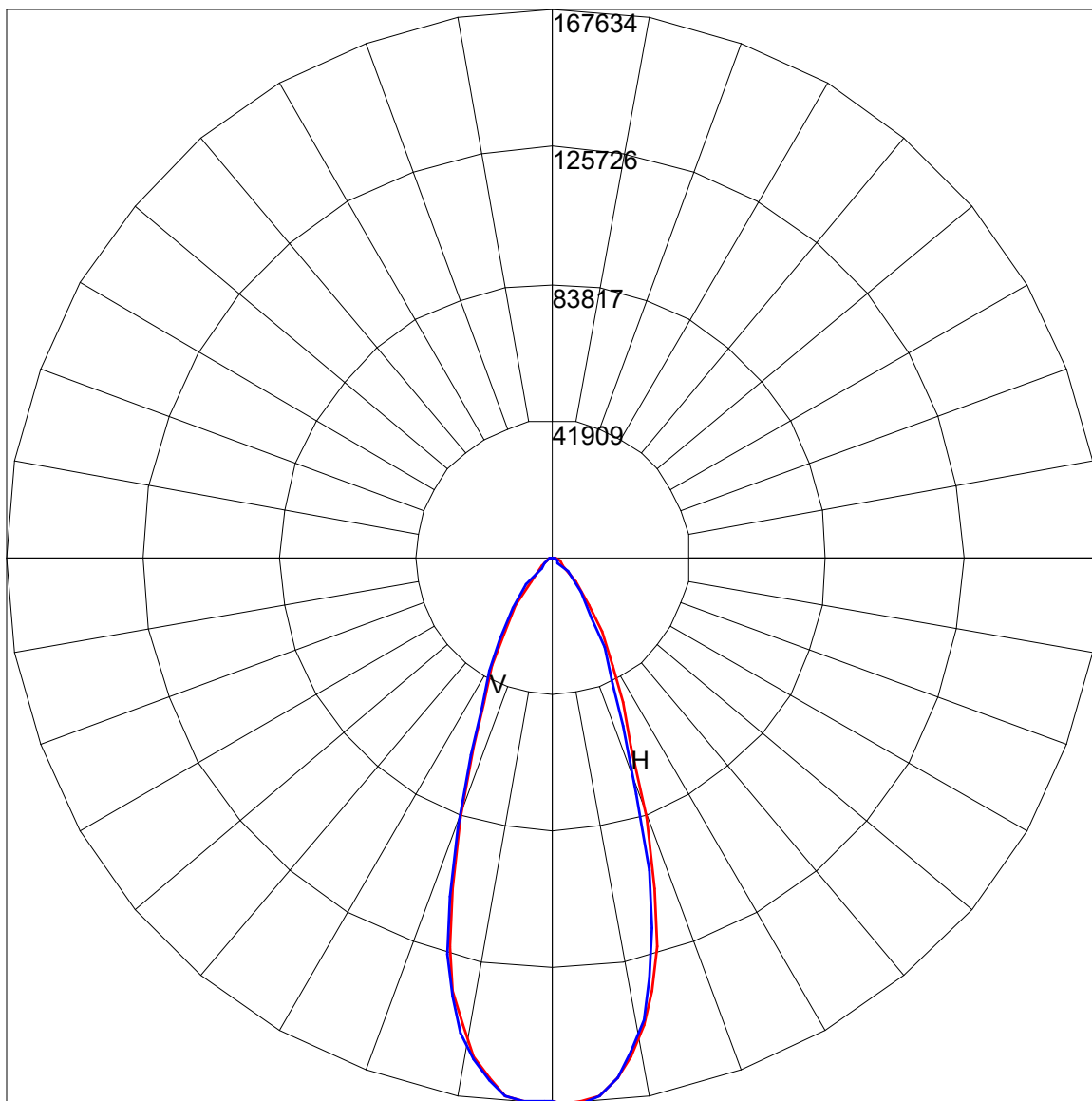
15	0.18	0.00	1486.76
13	0.19	0.00	1658.18
11	0.19	0.00	1809.71
9	0.19	0.00	1937.98
7	0.20	0.00	2036.66
5	0.20	0.00	2103.97
3	0.20	0.00	2143.53
1	0.10	0.00	1079.55
0	0.10	0.00	1081.09
-1	0.21	0.00	2155.36
-3	0.21	0.00	2126.25
-5	0.21	0.00	2070.01
-7	0.21	0.00	1987.92
-9	0.21	0.00	1880.89
-11	0.21	0.00	1749.87
-13	0.21	0.00	1597.05
-15	0.21	0.00	1428.22
-17	0.26	0.00	1544.64
-19.5	0.30	0.00	1531.4
-22.5	0.30	0.00	1244.72
-25.5	0.33	0.01	1172.59
-29	0.36	0.01	1035.22
-33	0.38	0.01	840.44
-37.5	0.39	0.01	607.19
-42.5	0.34	0.01	356.77
-47.5	0.43	0.01	315.42
-55	0.42	0.01	241.45
-65	0.26	0.01	115.59

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ZNF-100L-MWF-40-GS.IES

LUMENS TABULATION - (Cont.)

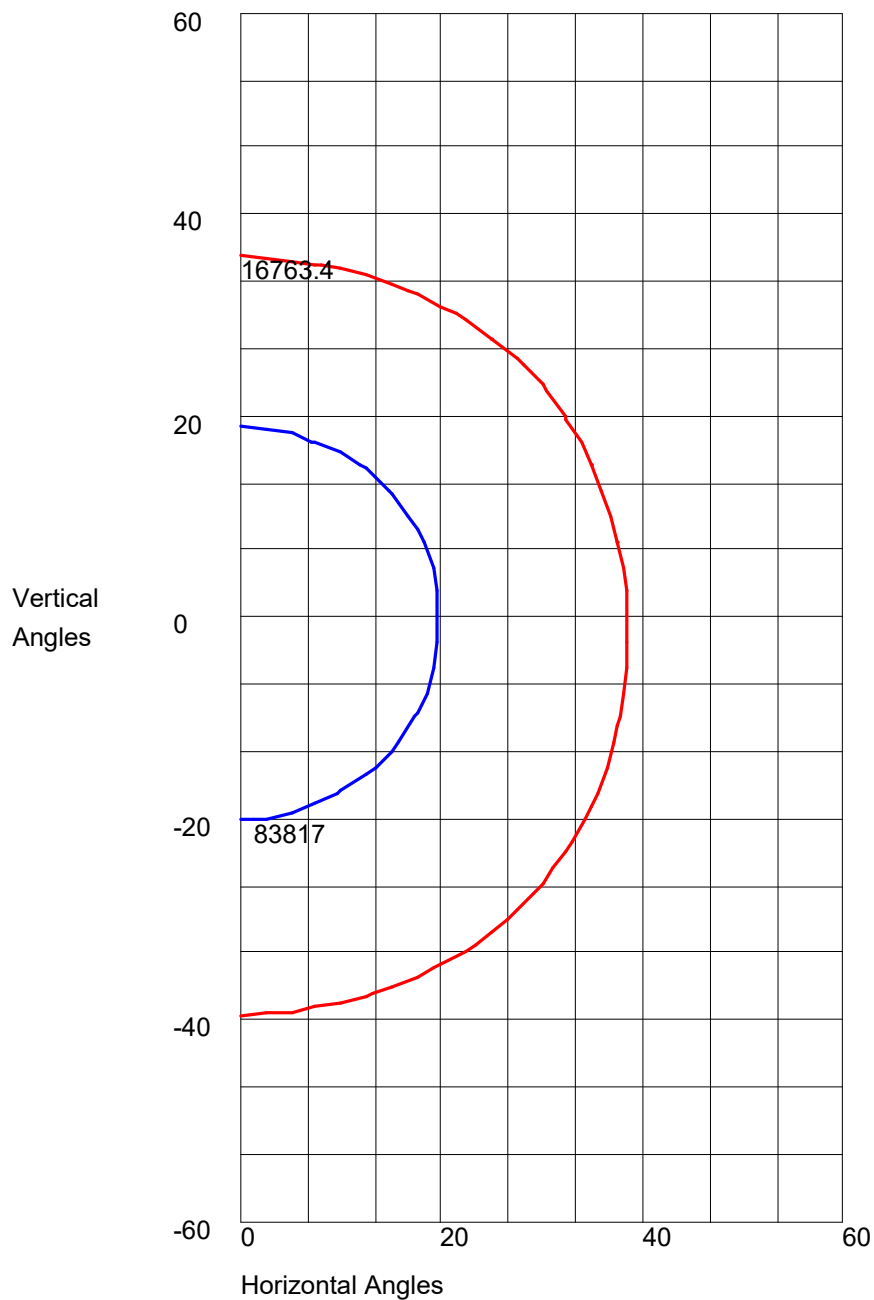
-75	0.13	0.00	44.48
-85	0.02	0.00	5.83
-90			
Total	10.01	0.17	47492.37

AXIAL CANDELA DISPLAY



Maximum Candela = 167634 Located At Horizontal Angle = 0, Vertical Angle = 3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 167634 Located At Horizontal Angle = 0, Vertical Angle = 3
50% Maximum Candela = 83817
10% Maximum Candela = 16763.4