



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-13848  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 01/20/23  
[ISSUEDATE] 03/15/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] XIG-B-LED-19-350-4070-UE-FL40  
[TEST PROCEDURE] IESNA LM-79-19  
[ ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[ FACTORED] SCALED FROM ORIGINAL TEST DATA  
[ SEARCH\_SOURCETYPE] LED  
[ SEARCH\_APPLICATION] Outdoor  
[ SEARCH\_COLORTEMP] 4000

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

**CHARACTERISTICS**

NEMA Type	4 H x 4 V
Maximum Candela	5585
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	34.0
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	63.4
Vertical Field Angle (10%)	62.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1113
Beam Efficiency	N.A.
Field Lumens	2005
Field Efficiency	N.A.
Spill Lumens	386
Luminaire Lumens	2391
Total Efficiency	N.A.
Total Luminaire Watts	19.1
Ballast Factor	1.00



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	0
75	9	75	8
65	30	65	31
55	60	55	59
47.5	104	47.5	105
42.5	164	42.5	161
37.5	278	37.5	264
33	464	33	444
29	755	29	725
25.5	1150	25.5	1120
22.5	1615	22.5	1581
19.5	2217	19.5	2211
17	2792	17	2790
15	3281	15	3284
13	3807	13	3784
11	4289	11	4265
9	4734	9	4701
7	5120	7	5073
5	5399	5	5370
3	5549	3	5529
1	5585	1	5578
0	5584	0	5584
-1	5585	-1	5578
-3	5549	-3	5529
-5	5399	-5	5370
-7	5120	-7	5073
-9	4734	-9	4701
-11	4289	-11	4265
-13	3807	-13	3784
-15	3281	-15	3284
-17	2792	-17	2790
-19.5	2217	-19.5	2211
-22.5	1615	-22.5	1581
-25.5	1150	-25.5	1120
-29	755	-29	725
-33	464	-33	444
-37.5	278	-37.5	264
-42.5	164	-42.5	161
-47.5	104	-47.5	105
-55	60	-55	59
-65	30	-65	31
-75	9	-75	8
-85	1	-85	0
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 5585

Beam Edge = 2792.5 Cd (50% of Max.)

Field Edge = 558.5 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>75.0</b>	0	0	0	1	2	3	4	4	5	6
<b>65.0</b>	0	0	1	3	7	11	14	17	21	23
<b>55.0</b>	0	0	2	7	16	26	31	35	40	43
<b>47.5</b>	0	0	3	12	26	36	43	50	58	65
<b>42.5</b>	0	0	4	14	31	43	52	63	74	86
<b>37.5</b>	0	0	5	17	35	50	64	79	99	120
<b>33.0</b>	0	0	6	20	40	58	75	99	127	160
<b>29.0</b>	0	0	7	22	43	65	87	119	159	209
<b>25.5</b>	0	0	7	24	47	71	100	140	194	261
<b>22.5</b>	0	1	8	26	49	77	110	158	228	318
<b>19.5</b>	0	1	8	27	52	83	121	180	264	381
<b>17.0</b>	0	1	8	28	54	87	129	197	299	440
<b>15.0</b>	0	1	8	28	55	91	136	211	328	486
<b>13.0</b>	0	1	9	29	56	94	143	226	354	543
<b>11.0</b>	0	1	9	29	57	97	149	240	384	595 *
<b>9.0</b>	0	1	9	29	58	100	154	252	410	639 *
<b>7.0</b>	0	1	9	30	59	102	158	261	432	681 *
<b>5.0</b>	0	1	9	30	59	103	161	269	448	718 *
<b>3.0</b>	0	1	9	30	60	105	164	274	460	743 *
<b>1.0</b>	0	1	9	30	60	104	164	278	464	754 *
<b>0.0</b>	0	1	9	30	60	104	164	278	464	755 *
<b>-1.0</b>	0	1	9	30	60	104	164	278	464	754 *
<b>-3.0</b>	0	1	9	30	60	105	164	274	460	743 *
<b>-5.0</b>	0	1	9	30	59	103	161	269	448	718 *
<b>-7.0</b>	0	1	9	30	59	102	158	261	432	681 *
<b>-9.0</b>	0	1	9	29	58	100	154	252	410	639 *
<b>-11.0</b>	0	1	9	29	57	97	149	240	384	595 *
<b>-13.0</b>	0	1	9	29	56	94	143	226	354	543
<b>-15.0</b>	0	1	8	28	55	91	136	211	328	486
<b>-17.0</b>	0	1	8	28	54	87	129	197	299	440
<b>-19.5</b>	0	1	8	27	52	83	121	180	264	381
<b>-22.5</b>	0	1	8	26	49	77	110	158	228	318
<b>-25.5</b>	0	0	7	24	47	71	100	140	194	261
<b>-29.0</b>	0	0	7	22	43	65	87	119	159	209
<b>-33.0</b>	0	0	6	20	40	58	75	99	127	160
<b>-37.5</b>	0	0	5	17	35	50	64	79	99	120
<b>-42.5</b>	0	0	4	14	31	43	52	63	74	86
<b>-47.5</b>	0	0	3	12	26	36	43	50	58	65
<b>-55.0</b>	0	0	2	7	16	26	31	35	40	43
<b>-65.0</b>	0	0	1	3	7	11	14	17	21	23
<b>-75.0</b>	0	0	0	1	2	3	4	4	5	6
<b>-85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

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**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	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	7	7	8	8	8	8	8	8	8	8
65.0	25	26	28	28	29	29	30	30	31	31
55.0	47	50	52	54	55	57	58	58	59	59
47.5	72	78	84	89	92	95	98	100	101	103
42.5	99	110	122	131	138	144	149	153	157	159
37.5	141	159	182	202	216	229	241	249	256	260
33.0	195	231	270	309	340	365	389	410	425	435
29.0	263	324	391	453	502	560 *	604 *	641 *	675 *	704 *
25.5	345	435	539	636 *	724 *	811 *	887 *	962 *	1027 *	1073 *
22.5	430	555	707 *	851 *	976 *	1102 *	1217 *	1337 *	1434 *	1509 *
19.5	528	700 *	912 *	1118 *	1291 *	1470 *	1638 *	1808 *	1947 *	2056 *
17.0	621 *	842 *	1121 *	1380 *	1594 *	1834 *	2051 *	2268 *	2450 *	2593 *
15.0	709 *	973 *	1301 *	1603 *	1877 *	2146 *	2423 *	2668 *	2882 *	3063 *
13.0	797 *	1108 *	1486 *	1848 *	2154 *	2475 *	2789 *	3084 *	3328 *	3534 *
11.0	878 *	1231 *	1661 *	2076 *	2442 *	2800 *	3155 *	3484 *	3772 *	3996 *
9.0	965 *	1353 *	1840 *	2306 *	2698 *	3104 *	3494 *	3856 *	4170 *	4430 *
7.0	1038 *	1452 *	1984 *	2494 *	2928 *	3366 *	3793 *	4180 *	4518 *	4778 *
5.0	1093 *	1530 *	2093 *	2637 *	3100 *	3574 *	4032 *	4450 *	4793 *	5064 *
3.0	1130 *	1585 *	2172 *	2736 *	3221 *	3719 *	4197 *	4629 *	5004 *	5262 *
1.0	1148 *	1615 *	2212 *	2787 *	3292 *	3791 *	4277 *	4721 *	5097 *	5387 *
0.0	1150 *	1615 *	2217 *	2792 *	3281 *	3807 *	4289 *	4734 *	5120 *	5399 *
-1.0	1148 *	1615 *	2212 *	2787 *	3292 *	3791 *	4277 *	4721 *	5097 *	5387 *
-3.0	1130 *	1585 *	2172 *	2736 *	3221 *	3719 *	4197 *	4629 *	5004 *	5262 *
-5.0	1093 *	1530 *	2093 *	2637 *	3100 *	3574 *	4032 *	4450 *	4793 *	5064 *
-7.0	1038 *	1452 *	1984 *	2494 *	2928 *	3366 *	3793 *	4180 *	4518 *	4778 *
-9.0	965 *	1353 *	1840 *	2306 *	2698 *	3104 *	3494 *	3856 *	4170 *	4430 *
-11.0	878 *	1231 *	1661 *	2076 *	2442 *	2800 *	3155 *	3484 *	3772 *	3996 *
-13.0	797 *	1108 *	1486 *	1848 *	2154 *	2475 *	2789 *	3084 *	3328 *	3534 *
-15.0	709 *	973 *	1301 *	1603 *	1877 *	2146 *	2423 *	2668 *	2882 *	3063 *
-17.0	621 *	842 *	1121 *	1380 *	1594 *	1834 *	2051 *	2268 *	2450 *	2593 *
-19.5	528	700 *	912 *	1118 *	1291 *	1470 *	1638 *	1808 *	1947 *	2056 *
-22.5	430	555	707 *	851 *	976 *	1102 *	1217 *	1337 *	1434 *	1509 *
-25.5	345	435	539	636 *	724 *	811 *	887 *	962 *	1027 *	1073 *
-29.0	263	324	391	453	502	560 *	604 *	641 *	675 *	704 *
-33.0	195	231	270	309	340	365	389	410	425	435
-37.5	141	159	182	202	216	229	241	249	256	260
-42.5	99	110	122	131	138	144	149	153	157	159
-47.5	72	78	84	89	92	95	98	100	101	103
-55.0	47	50	52	54	55	57	58	58	59	59
-65.0	25	26	28	28	29	29	30	30	31	31
-75.0	7	7	8	8	8	8	8	8	8	8
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	8	8	8	8	8	8	8	8	8	8
65.0	31	31	31	31	31	31	31	30	30	29

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**CANDELA TABULATION - (Cont.)**

55.0	60	59	59	59	60	59	59	58	58	57
47.5	104	105	105	105	104	103	101	100	98	95
42.5	161	161	161	161	161	159	157	153	149	144
37.5	262	264	264	264	262	260	256	249	241	229
33.0	440	444	444	444	440	435	425	410	389	365
29.0	721 *	727 *	725 *	727 *	721 *	704 *	675 *	641 *	604 *	560 *
25.5	1100 *	1116 *	1120 *	1116 *	1100 *	1073 *	1027 *	962 *	887 *	811 *
22.5	1563 *	1588 *	1581 *	1588 *	1563 *	1509 *	1434 *	1337 *	1217 *	1102 *
19.5	2145 *	2198 *	2211 *	2198 *	2145 *	2056 *	1947 *	1808 *	1638 *	1470 *
17.0	2706 *	2774 *	2790 *	2774 *	2706 *	2593 *	2450 *	2268 *	2051 *	1834 *
15.0	3198 *	3283 *	3284 *	3283 *	3198 *	3063 *	2882 *	2668 *	2423 *	2146 *
13.0	3686 *	3774 *	3784 *	3774 *	3686 *	3534 *	3328 *	3084 *	2789 *	2475 *
11.0	4163 *	4254 *	4265 *	4254 *	4163 *	3996 *	3772 *	3484 *	3155 *	2800 *
9.0	4606 *	4691 *	4701 *	4691 *	4606 *	4430 *	4170 *	3856 *	3494 *	3104 *
7.0	4984 *	5064 *	5073 *	5064 *	4984 *	4778 *	4518 *	4180 *	3793 *	3366 *
5.0	5252 *	5373 *	5370 *	5373 *	5252 *	5064 *	4793 *	4450 *	4032 *	3574 *
3.0	5436 *	5520 *	5529 *	5520 *	5436 *	5262 *	5004 *	4629 *	4197 *	3719 *
1.0	5531 *	5579 *	5578 *	5579 *	5531 *	5387 *	5097 *	4721 *	4277 *	3791 *
0.0	5549 *	5585 *	5584 *	5585 *	5549 *	5399 *	5120 *	4734 *	4289 *	3807 *
-1.0	5531 *	5579 *	5578 *	5579 *	5531 *	5387 *	5097 *	4721 *	4277 *	3791 *
-3.0	5436 *	5520 *	5529 *	5520 *	5436 *	5262 *	5004 *	4629 *	4197 *	3719 *
-5.0	5252 *	5373 *	5370 *	5373 *	5252 *	5064 *	4793 *	4450 *	4032 *	3574 *
-7.0	4984 *	5064 *	5073 *	5064 *	4984 *	4778 *	4518 *	4180 *	3793 *	3366 *
-9.0	4606 *	4691 *	4701 *	4691 *	4606 *	4430 *	4170 *	3856 *	3494 *	3104 *
-11.0	4163 *	4254 *	4265 *	4254 *	4163 *	3996 *	3772 *	3484 *	3155 *	2800 *
-13.0	3686 *	3774 *	3784 *	3774 *	3686 *	3534 *	3328 *	3084 *	2789 *	2475 *
-15.0	3198 *	3283 *	3284 *	3283 *	3198 *	3063 *	2882 *	2668 *	2423 *	2146 *
-17.0	2706 *	2774 *	2790 *	2774 *	2706 *	2593 *	2450 *	2268 *	2051 *	1834 *
-19.5	2145 *	2198 *	2211 *	2198 *	2145 *	2056 *	1947 *	1808 *	1638 *	1470 *
-22.5	1563 *	1588 *	1581 *	1588 *	1563 *	1509 *	1434 *	1337 *	1217 *	1102 *
-25.5	1100 *	1116 *	1120 *	1116 *	1100 *	1073 *	1027 *	962 *	887 *	811 *
-29.0	721 *	727 *	725 *	727 *	721 *	704 *	675 *	641 *	604 *	560 *
-33.0	440	444	444	444	440	435	425	410	389	365
-37.5	262	264	264	264	262	260	256	249	241	229
-42.5	161	161	161	161	161	159	157	153	149	144
-47.5	104	105	105	105	104	103	101	100	98	95
-55.0	60	59	59	59	60	59	59	58	58	57
-65.0	31	31	31	31	31	31	31	30	30	29
-75.0	8	8	8	8	8	8	8	8	8	8
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Angles 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	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	8	8	8	7	7	6	5	4	4	3
65.0	29	28	28	26	25	23	21	17	14	11
55.0	55	54	52	50	47	43	40	35	31	26
47.5	92	89	84	78	72	65	58	50	43	36
42.5	138	131	122	110	99	86	74	63	52	43
37.5	216	202	182	159	141	120	99	79	64	50
33.0	340	309	270	231	195	160	127	99	75	58
29.0	502	453	391	324	263	209	159	119	87	65
25.5	724 *	636 *	539	435	345	261	194	140	100	71

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**CANDELA TABULATION - (Cont.)**

22.5	976 *	851 *	707 *	555	430	318	228	158	110	77
19.5	1291 *	1118 *	912 *	700 *	528	381	264	180	121	83
17.0	1594 *	1380 *	1121 *	842 *	621 *	440	299	197	129	87
15.0	1877 *	1603 *	1301 *	973 *	709 *	486	328	211	136	91
13.0	2154 *	1848 *	1486 *	1108 *	797 *	543	354	226	143	94
11.0	2442 *	2076 *	1661 *	1231 *	878 *	595 *	384	240	149	97
9.0	2698 *	2306 *	1840 *	1353 *	965 *	639 *	410	252	154	100
7.0	2928 *	2494 *	1984 *	1452 *	1038 *	681 *	432	261	158	102
5.0	3100 *	2637 *	2093 *	1530 *	1093 *	718 *	448	269	161	103
3.0	3221 *	2736 *	2172 *	1585 *	1130 *	743 *	460	274	164	105
1.0	3292 *	2787 *	2212 *	1615 *	1148 *	754 *	464	278	164	104
0.0	3281 *	2792 *	2217 *	1615 *	1150 *	755 *	464	278	164	104
-1.0	3292 *	2787 *	2212 *	1615 *	1148 *	754 *	464	278	164	104
-3.0	3221 *	2736 *	2172 *	1585 *	1130 *	743 *	460	274	164	105
-5.0	3100 *	2637 *	2093 *	1530 *	1093 *	718 *	448	269	161	103
-7.0	2928 *	2494 *	1984 *	1452 *	1038 *	681 *	432	261	158	102
-9.0	2698 *	2306 *	1840 *	1353 *	965 *	639 *	410	252	154	100
-11.0	2442 *	2076 *	1661 *	1231 *	878 *	595 *	384	240	149	97
-13.0	2154 *	1848 *	1486 *	1108 *	797 *	543	354	226	143	94
-15.0	1877 *	1603 *	1301 *	973 *	709 *	486	328	211	136	91
-17.0	1594 *	1380 *	1121 *	842 *	621 *	440	299	197	129	87
-19.5	1291 *	1118 *	912 *	700 *	528	381	264	180	121	83
-22.5	976 *	851 *	707 *	555	430	318	228	158	110	77
-25.5	724 *	636 *	539	435	345	261	194	140	100	71
-29.0	502	453	391	324	263	209	159	119	87	65
-33.0	340	309	270	231	195	160	127	99	75	58
-37.5	216	202	182	159	141	120	99	79	64	50
-42.5	138	131	122	110	99	86	74	63	52	43
-47.5	92	89	84	78	72	65	58	50	43	36
-55.0	55	54	52	50	47	43	40	35	31	26
-65.0	29	28	28	26	25	23	21	17	14	11
-75.0	8	8	8	7	7	6	5	4	4	3
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0
85.0	0	0	0	0	0
75.0	2	1	0	0	0
65.0	7	3	1	0	0
55.0	16	7	2	0	0
47.5	26	12	3	0	0
42.5	31	14	4	0	0
37.5	35	17	5	0	0
33.0	40	20	6	0	0
29.0	43	22	7	0	0
25.5	47	24	7	0	0
22.5	49	26	8	1	0
19.5	52	27	8	1	0
17.0	54	28	8	1	0
15.0	55	28	8	1	0
13.0	56	29	9	1	0
11.0	57	29	9	1	0
9.0	58	29	9	1	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	59	30	9	1	0
<b>5.0</b>	59	30	9	1	0
<b>3.0</b>	60	30	9	1	0
<b>1.0</b>	60	30	9	1	0
<b>0.0</b>	60	30	9	1	0
<b>-1.0</b>	60	30	9	1	0
<b>-3.0</b>	60	30	9	1	0
<b>-5.0</b>	59	30	9	1	0
<b>-7.0</b>	59	30	9	1	0
<b>-9.0</b>	58	29	9	1	0
<b>-11.0</b>	57	29	9	1	0
<b>-13.0</b>	56	29	9	1	0
<b>-15.0</b>	55	28	8	1	0
<b>-17.0</b>	54	28	8	1	0
<b>-19.5</b>	52	27	8	1	0
<b>-22.5</b>	49	26	8	1	0
<b>-25.5</b>	47	24	7	0	0
<b>-29.0</b>	43	22	7	0	0
<b>-33.0</b>	40	20	6	0	0
<b>-37.5</b>	35	17	5	0	0
<b>-42.5</b>	31	14	4	0	0
<b>-47.5</b>	26	12	3	0	0
<b>-55.0</b>	16	7	2	0	0
<b>-65.0</b>	7	3	1	0	0
<b>-75.0</b>	2	1	0	0	0
<b>-85.0</b>	0	0	0	0	0
<b>-90.0</b>	0	0	0	0	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1195.67

Total Field Lumens (one side of beam only) = 1002.56

\* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
65	0.06	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.13
55	0.14	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.29
47.5	0.19	0.37	0.37	0.37	0.36	0.35	0.34	0.33	0.32	0.38
42.5	0.20	0.40	0.40	0.39	0.39	0.37	0.36	0.35	0.33	0.39
37.5	0.32	0.65	0.64	0.63	0.61	0.59	0.57	0.54	0.50	0.58
33	0.49	0.97	0.96	0.94	0.91	0.87	0.82	0.76	0.70	0.78
29	0.71 *	1.42 *	1.40 *	1.36 *	1.30	1.23	1.14	1.04	0.94	1.03
25.5	0.98 *	1.95 *	1.91 *	1.84 *	1.74 *	1.62 *	1.49 *	1.34 *	1.19 *	1.28
22.5	1.23 *	2.45 *	2.39 *	2.29 *	2.15 *	1.98 *	1.80 *	1.60 *	1.40 *	1.48 *
19.5	1.73 *	3.42 *	3.31 *	3.16 *	2.95 *	2.70 *	2.43 *	2.15 *	1.86 *	1.95 *
17	1.90 *	3.74 *	3.61 *	3.43 *	3.19 *	2.91 *	2.60 *	2.29 *	1.97 *	2.05 *
15	1.85 *	3.64 *	3.51 *	3.33 *	3.10 *	2.82 *	2.52 *	2.20 *	1.89 *	1.95 *
13	2.15 *	4.24 *	4.10 *	3.88 *	3.61 *	3.29 *	2.93 *	2.56 *	2.19 *	2.26 *
11	2.45 *	4.83 *	4.67 *	4.43 *	4.12 *	3.75 *	3.34 *	2.92 *	2.49 *	2.56 *
9	2.73 *	5.39 *	5.22 *	4.96 *	4.61 *	4.20 *	3.74 *	3.26 *	2.79 *	2.85 *
7	2.97 *	5.89 *	5.71 *	5.42 *	5.04 *	4.60 *	4.10 *	3.58 *	3.05 *	3.12 *
5	3.18 *	6.29 *	6.10 *	5.80 *	5.41 *	4.94 *	4.40 *	3.83 *	3.27 *	3.33 *
3	3.32 *	6.57 *	6.39 *	6.10 *	5.69 *	5.19 *	4.62 *	4.02 *	3.42 *	3.49 *
1	3.38 *	6.72 *	6.57 *	6.29 *	5.87 *	5.35 *	4.76 *	4.14 *	3.52 *	3.58 *
0	1.70 *	3.39 *	3.32 *	3.18 *	2.97 *	2.70 *	2.41 *	2.09 *	1.78 *	1.81 *
-1	1.70 *	3.39 *	3.32 *	3.18 *	2.97 *	2.70 *	2.41 *	2.09 *	1.78 *	1.81 *
	3.38 *	6.72 *	6.57 *	6.29 *	5.87 *	5.35 *	4.76 *	4.14 *	3.52 *	3.58 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	3.32 *	6.57 *	6.39 *	6.10 *	5.69 *	5.19 *	4.62 *	4.02 *	3.42 *	3.49 *
<b>-5</b>	3.18 *	6.29 *	6.10 *	5.80 *	5.41 *	4.94 *	4.40 *	3.83 *	3.27 *	3.33 *
<b>-7</b>	2.97 *	5.89 *	5.71 *	5.42 *	5.04 *	4.60 *	4.10 *	3.58 *	3.05 *	3.12 *
<b>-9</b>	2.73 *	5.39 *	5.22 *	4.96 *	4.61 *	4.20 *	3.74 *	3.26 *	2.79 *	2.85 *
<b>-11</b>	2.45 *	4.83 *	4.67 *	4.43 *	4.12 *	3.75 *	3.34 *	2.92 *	2.49 *	2.56 *
<b>-13</b>	2.15 *	4.24 *	4.10 *	3.88 *	3.61 *	3.29 *	2.93 *	2.56 *	2.19 *	2.26 *
<b>-15</b>	1.85 *	3.64 *	3.51 *	3.33 *	3.10 *	2.82 *	2.52 *	2.20 *	1.89 *	1.95 *
<b>-17</b>	1.90 *	3.74 *	3.61 *	3.43 *	3.19 *	2.91 *	2.60 *	2.29 *	1.97 *	2.05 *
<b>-19.5</b>	1.73 *	3.42 *	3.31 *	3.16 *	2.95 *	2.70 *	2.43 *	2.15 *	1.86 *	1.95 *
<b>-22.5</b>	1.23 *	2.45 *	2.39 *	2.29 *	2.15 *	1.98 *	1.80 *	1.60 *	1.40 *	1.48 *
<b>-25.5</b>	0.98 *	1.95 *	1.91 *	1.84 *	1.74 *	1.62 *	1.49 *	1.34 *	1.19 *	1.28
<b>-29</b>	0.71 *	1.42 *	1.40 *	1.36 *	1.30	1.23	1.14	1.04	0.94	1.03
<b>-33</b>	0.49	0.97	0.96	0.94	0.91	0.87	0.82	0.76	0.70	0.78
<b>-37.5</b>	0.32	0.65	0.64	0.63	0.61	0.59	0.57	0.54	0.50	0.58
<b>-42.5</b>	0.20	0.40	0.40	0.39	0.39	0.37	0.36	0.35	0.33	0.39
<b>-47.5</b>	0.19	0.37	0.37	0.37	0.36	0.35	0.34	0.33	0.32	0.38
<b>-55</b>	0.14	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.29
<b>-65</b>	0.06	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.13
<b>-75</b>	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	63.40	125.51	122.01	116.40	108.89	99.75	89.55	78.79	67.99	70.60

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.00
<b>75</b>	0.15	0.14	0.14	0.14	0.13	0.11	0.09	0.08	0.05	0.01
<b>65</b>	0.33	0.31	0.33	0.33	0.32	0.28	0.22	0.21	0.13	0.03
<b>55</b>	0.42	0.39	0.40	0.40	0.38	0.35	0.27	0.28	0.17	0.05

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	0.42	0.37	0.38	0.37	0.34	0.30	0.23	0.24	0.16	0.04
<b>42.5</b>										
	0.61	0.53	0.53	0.49	0.44	0.38	0.28	0.28	0.18	0.05
<b>37.5</b>										
	0.81	0.68	0.66	0.59	0.51	0.42	0.30	0.29	0.19	0.06
<b>33</b>										
	1.04	0.85	0.78	0.68	0.56	0.44	0.31	0.29	0.19	0.06
<b>29</b>										
	1.26	1.00	0.89	0.75	0.60	0.46	0.30	0.28	0.18	0.05
<b>25.5</b>										
	1.43 *	1.11	0.96	0.78	0.60	0.44	0.29	0.26	0.17	0.05
<b>22.5</b>										
	1.84 *	1.39	1.18	0.93	0.70	0.50	0.32	0.28	0.18	0.05
<b>19.5</b>										
	1.91 *	1.40 *	1.17	0.90	0.66	0.46	0.28	0.25	0.15	0.05
<b>17</b>										
	1.81 *	1.31 *	1.07 *	0.81	0.58	0.39	0.24	0.21	0.13	0.04
<b>15</b>										
	2.08 *	1.50 *	1.20 *	0.89	0.63	0.42	0.25	0.21	0.13	0.04
<b>13</b>										
	2.34 *	1.68 *	1.33 *	0.98	0.67	0.44	0.26	0.22	0.13	0.04
<b>11</b>										
	2.60 *	1.85 *	1.46 *	1.06	0.72	0.46	0.27	0.22	0.13	0.04
<b>9</b>										
	2.83 *	2.01 *	1.57 *	1.13	0.76	0.48	0.28	0.23	0.13	0.04
<b>7</b>										
	3.01 *	2.13 *	1.67 *	1.19 *	0.79	0.50	0.28	0.23	0.14	0.04
<b>5</b>										
	3.15 *	2.23 *	1.75 *	1.24 *	0.81	0.51	0.29	0.23	0.14	0.04
<b>3</b>										
	3.23 *	2.29 *	1.79 *	1.26 *	0.83	0.51	0.29	0.24	0.14	0.04
<b>1</b>										
	1.63 *	1.15 *	0.90 *	0.64 *	0.42	0.26	0.14	0.12	0.07	0.02
<b>0</b>										
	1.63 *	1.15 *	0.90 *	0.64 *	0.42	0.26	0.14	0.12	0.07	0.02
<b>-1</b>										
	3.23 *	2.29 *	1.79 *	1.26 *	0.83	0.51	0.29	0.24	0.14	0.04
<b>-3</b>										
	3.15 *	2.23 *	1.75 *	1.24 *	0.81	0.51	0.29	0.23	0.14	0.04
<b>-5</b>										
	3.01 *	2.13 *	1.67 *	1.19 *	0.79	0.50	0.28	0.23	0.14	0.04
<b>-7</b>										
	2.83 *	2.01 *	1.57 *	1.13	0.76	0.48	0.28	0.23	0.13	0.04
<b>-9</b>										
	2.60 *	1.85 *	1.46 *	1.06	0.72	0.46	0.27	0.22	0.13	0.04
<b>-11</b>										
	2.34 *	1.68 *	1.33 *	0.98	0.67	0.44	0.26	0.22	0.13	0.04
<b>-13</b>										
	2.08 *	1.50 *	1.20 *	0.89	0.63	0.42	0.25	0.21	0.13	0.04
<b>-15</b>										
	1.81 *	1.31 *	1.07 *	0.81	0.58	0.39	0.24	0.21	0.13	0.04
<b>-17</b>										
	1.91 *	1.40 *	1.17	0.90	0.66	0.46	0.28	0.25	0.15	0.05
<b>-19.5</b>										
	1.84 *	1.39	1.18	0.93	0.70	0.50	0.32	0.28	0.18	0.05

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	1.43 *	1.11	0.96	0.78	0.60	0.44	0.29	0.26	0.17	0.05
<b>-25.5</b>	1.26	1.00	0.89	0.75	0.60	0.46	0.30	0.28	0.18	0.05
<b>-29</b>	1.04	0.85	0.78	0.68	0.56	0.44	0.31	0.29	0.19	0.06
<b>-33</b>	0.81	0.68	0.66	0.59	0.51	0.42	0.30	0.29	0.19	0.06
<b>-37.5</b>	0.61	0.53	0.53	0.49	0.44	0.38	0.28	0.28	0.18	0.05
<b>-42.5</b>	0.42	0.37	0.38	0.37	0.34	0.30	0.23	0.24	0.16	0.04
<b>-47.5</b>	0.42	0.39	0.40	0.40	0.38	0.35	0.27	0.28	0.17	0.05
<b>-55</b>	0.33	0.31	0.33	0.33	0.32	0.28	0.22	0.21	0.13	0.03
<b>-65</b>	0.15	0.14	0.14	0.14	0.13	0.11	0.09	0.08	0.05	0.01
<b>-75</b>	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.00
<b>-85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>-90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	65.84	48.66	40.40	31.24	22.94	16.26	10.42	9.36	5.77	1.69

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>	0.00	0.00	0.00	
<b>85</b>	0.00	0.00	0.45	
<b>75</b>	0.00	0.00	2.15	
<b>65</b>	0.00	0.00	5.04	
<b>55</b>	0.00	0.00	6.51	
<b>47.5</b>	0.00	0.00	6.46	
<b>42.5</b>	0.01	0.00	9.42	
<b>37.5</b>	0.01	0.00	12.71	
<b>33</b>	0.01	0.00	16.78	
<b>29</b>	0.01	0.00	21.15	
<b>25.5</b>	0.01	0.00	24.89	
<b>22.5</b>	0.01	0.00	33.02	
<b>19.5</b>	0.01	0.00	34.91	
<b>17</b>	0.00	0.00	33.40	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMENS TABULATION - (Cont.)**

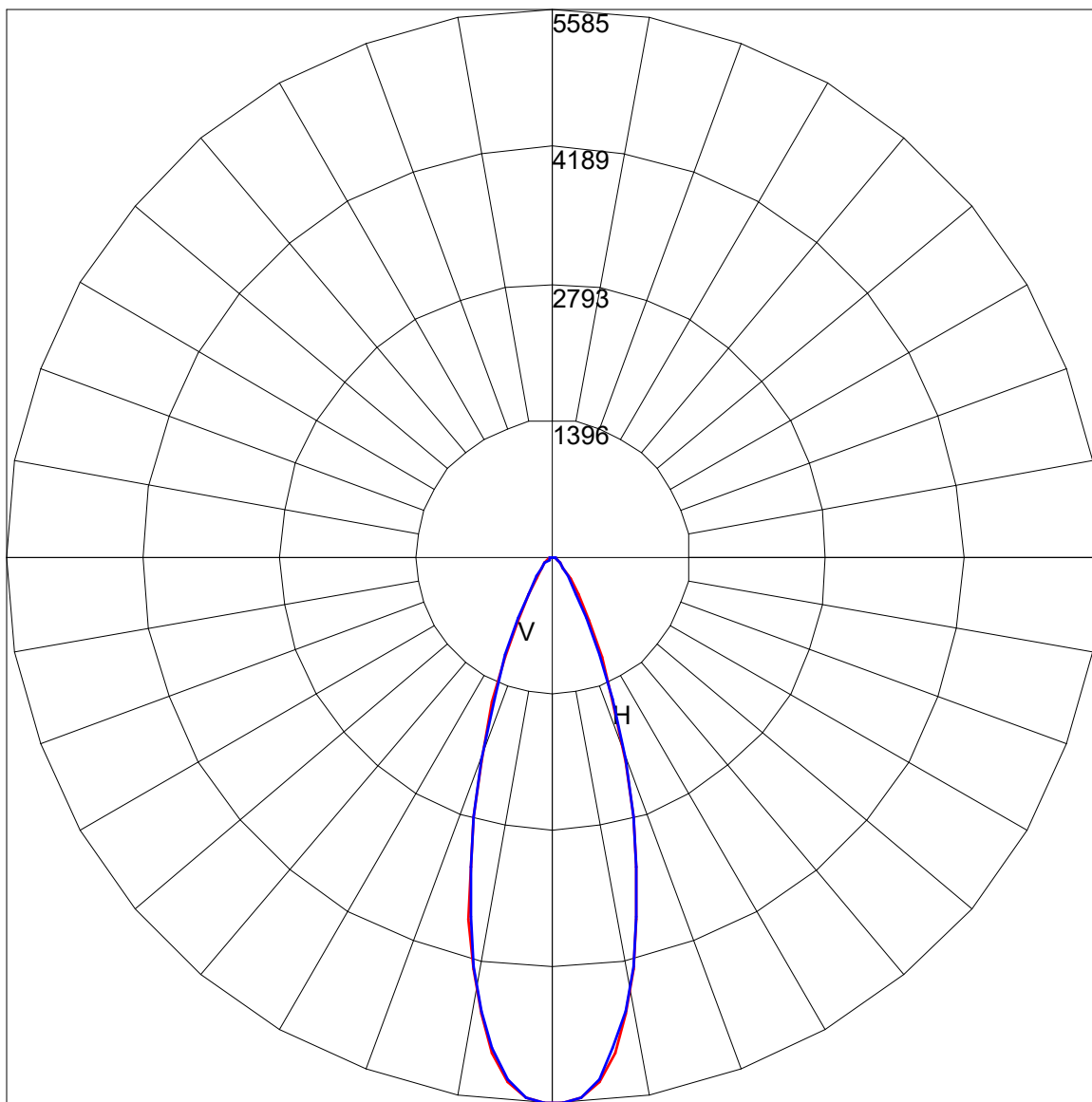
<b>15</b>			
	0.01	0.00	38.55
<b>13</b>			
	0.01	0.00	43.67
<b>11</b>			
	0.01	0.00	48.56
<b>9</b>			
	0.01	0.00	52.94
<b>7</b>			
	0.01	0.00	56.54
<b>5</b>			
	0.01	0.00	59.19
<b>3</b>			
	0.01	0.00	60.80
<b>1</b>			
	0.00	0.00	30.70
<b>0</b>			
	0.00	0.00	30.70
<b>-1</b>			
	0.01	0.00	60.80
<b>-3</b>			
	0.01	0.00	59.19
<b>-5</b>			
	0.01	0.00	56.54
<b>-7</b>			
	0.01	0.00	52.94
<b>-9</b>			
	0.01	0.00	48.56
<b>-11</b>			
	0.01	0.00	43.67
<b>-13</b>			
	0.01	0.00	38.55
<b>-15</b>			
	0.00	0.00	33.40
<b>-17</b>			
	0.01	0.00	34.91
<b>-19.5</b>			
	0.01	0.00	33.02
<b>-22.5</b>			
	0.01	0.00	24.89
<b>-25.5</b>			
	0.01	0.00	21.15
<b>-29</b>			
	0.01	0.00	16.78
<b>-33</b>			
	0.01	0.00	12.71
<b>-37.5</b>			
	0.01	0.00	9.42
<b>-42.5</b>			
	0.00	0.00	6.46
<b>-47.5</b>			
	0.00	0.00	6.51
<b>-55</b>			
	0.00	0.00	5.04
<b>-65</b>			
	0.00	0.00	2.15

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-FL40.IES**

**LUMENS TABULATION - (Cont.)**

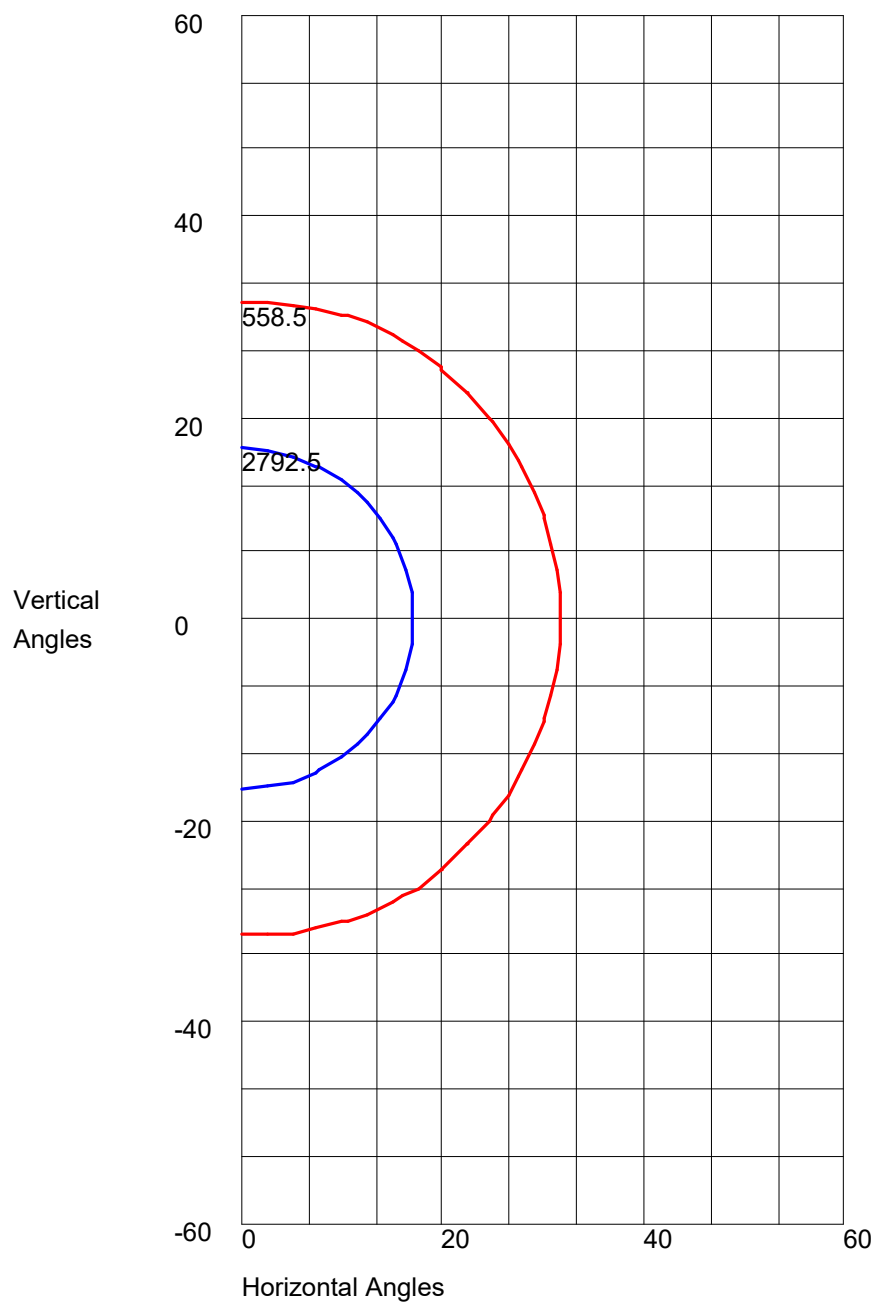
<b>-75</b>	0.00	0.00	0.45
<b>-85</b>	0.00	0.00	0.00
<b>-90</b>			
<b>Total</b>	0.21	0.00	1195.67

AXIAL CANDELA DISPLAY



Maximum Candela = 5585 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 5585 Located At Horizontal Angle = -1, Vertical Angle = 0  
50% Maximum Candela = 2792.5  
10% Maximum Candela = 558.5