



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES**

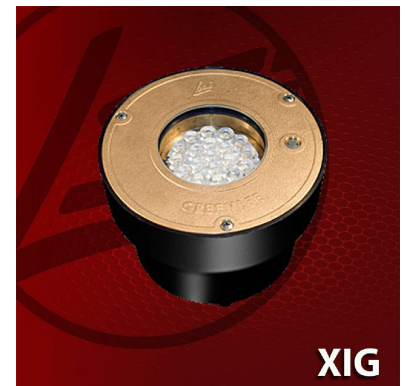
**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-13847  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 01/20/23  
[ISSUEDATE] 03/15/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] XIG-B-LED-19-350-3570-UE-SP10  
[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] 3500

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

**CHARACTERISTICS**

NEMA Type	3 H x 3 V
Maximum Candela	11088
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	20.4
Vertical Beam Angle (50%)	24.2
Horizontal Field Angle (10%)	44.2
Vertical Field Angle (10%)	45.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1093
Beam Efficiency	N.A.
Field Lumens	2024
Field Efficiency	N.A.
Spill Lumens	540
Luminaire Lumens	2563
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	1
75	6	75	6
65	21	65	22
55	45	55	46
47.5	67	47.5	68
42.5	111	42.5	103
37.5	171	37.5	178
33	266	33	274
29	429	29	450
25.5	679	25.5	736
22.5	1047	22.5	1148
19.5	1652	19.5	1821
17	2360	17	2597
15	3122	15	3399
13	4216	13	4799
11	5676	11	6443
9	7368	9	8280
7	9065	7	10010
5	10452	5	11088
3	10782	3	10940
1	10813	1	10828
0	10778	0	10778
-1	10813	-1	10828
-3	10782	-3	10940
-5	10452	-5	11088
-7	9065	-7	10010
-9	7368	-9	8280
-11	5676	-11	6443
-13	4216	-13	4799
-15	3122	-15	3399
-17	2360	-17	2597
-19.5	1652	-19.5	1821
-22.5	1047	-22.5	1148
-25.5	679	-25.5	736
-29	429	-29	450
-33	266	-33	274
-37.5	171	-37.5	178
-42.5	111	-42.5	103
-47.5	67	-47.5	68
-55	45	-55	46
-65	21	-65	22
-75	6	-75	6
-85	1	-85	1
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 11088

Beam Edge = 5544 Cd (50% of Max.)

Field Edge = 1108.8 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	1	1	1
<b>75.0</b>	0	0	1	1	1	2	3	3	4	5
<b>65.0</b>	0	0	1	2	5	7	9	11	13	16
<b>55.0</b>	0	0	1	5	11	17	21	24	29	32
<b>47.5</b>	0	0	2	7	17	25	31	38	44	49
<b>42.5</b>	0	0	3	9	21	32	40	48	56	63
<b>37.5</b>	0	1	3	11	25	39	48	58	69	81
<b>33.0</b>	0	1	4	13	29	43	55	68	85	109
<b>29.0</b>	0	1	4	15	33	48	61	80	109	145
<b>25.5</b>	0	1	5	17	35	53	67	94	135	176
<b>22.5</b>	0	1	5	17	37	56	72	108	158	214
<b>19.5</b>	0	1	5	18	39	58	78	125	180	259
<b>17.0</b>	0	1	5	19	40	60	83	137	203	302
<b>15.0</b>	0	1	6	19	41	61	88	146	218	331
<b>13.0</b>	0	1	6	20	42	63	93	153	230	358
<b>11.0</b>	0	1	6	20	42	64	98	159	244	380
<b>9.0</b>	0	1	6	20	43	65	102	164	254	395
<b>7.0</b>	0	1	6	21	43	66	106	166	261	410
<b>5.0</b>	0	1	6	21	44	66	108	168	264	422
<b>3.0</b>	0	1	6	21	45	67	111	169	264	425
<b>1.0</b>	0	1	6	21	45	67	111	171	266	429
<b>0.0</b>	0	1	6	21	45	67	111	171	266	429
<b>-1.0</b>	0	1	6	21	45	67	111	171	266	429
<b>-3.0</b>	0	1	6	21	45	67	111	169	264	425
<b>-5.0</b>	0	1	6	21	44	66	108	168	264	422
<b>-7.0</b>	0	1	6	21	43	66	106	166	261	410
<b>-9.0</b>	0	1	6	20	43	65	102	164	254	395
<b>-11.0</b>	0	1	6	20	42	64	98	159	244	380
<b>-13.0</b>	0	1	6	20	42	63	93	153	230	358
<b>-15.0</b>	0	1	6	19	41	61	88	146	218	331
<b>-17.0</b>	0	1	5	19	40	60	83	137	203	302
<b>-19.5</b>	0	1	5	18	39	58	78	125	180	259
<b>-22.5</b>	0	1	5	17	37	56	72	108	158	214
<b>-25.5</b>	0	1	5	17	35	53	67	94	135	176
<b>-29.0</b>	0	1	4	15	33	48	61	80	109	145
<b>-33.0</b>	0	1	4	13	29	43	55	68	85	109
<b>-37.5</b>	0	1	3	11	25	39	48	58	69	81
<b>-42.5</b>	0	0	3	9	21	32	40	48	56	63
<b>-47.5</b>	0	0	2	7	17	25	31	38	44	49
<b>-55.0</b>	0	0	1	5	11	17	21	24	29	32
<b>-65.0</b>	0	0	1	2	5	7	9	11	13	16
<b>-75.0</b>	0	0	1	1	1	2	3	3	4	5
<b>-85.0</b>	0	0	0	0	0	0	0	1	1	1
<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	1	1	1	1	1	1	1	1	1	1
75.0	5	6	6	6	6	6	6	6	6	6
65.0	17	18	19	20	20	21	21	21	22	22
55.0	36	38	40	41	42	43	43	44	44	45
47.5	53	58	61	63	64	65	66	67	67	68
42.5	69	75	81	86	90	94	97	100	102	103
37.5	94	108	124	137	145	153	159	163	169	173
33.0	133	155	179	203	221	233	244	253	261	267
29.0	176	217	265	305	335	374	398	411	423	438
25.5	231	299	379	454	520	584	637	677	706	727
22.5	298	394	514	631	735	831	918	1008	1070	1116 *
19.5	376	505	676	850	997	1151 *	1298 *	1466 *	1596 *	1702 *
17.0	436	606	832	1068	1259 *	1497 *	1715 *	1956 *	2172 *	2358 *
15.0	489	693	967	1245 *	1532 *	1813 *	2130 *	2416 *	2774 *	3081 *
13.0	542	780	1109 *	1467 *	1792 *	2184 *	2591 *	3032 *	3512 *	4058 *
11.0	582	856	1242 *	1660 *	2082 *	2558 *	3121 *	3797 *	4536 *	5297 *
9.0	625	935	1384 *	1869 *	2329 *	2961 *	3731 *	4613 *	5785 *	6890 *
7.0	656	993	1498 *	2054 *	2618 *	3331 *	4333 *	5620 *	6988 *	8309 *
5.0	677	1033	1583 *	2201 *	2870 *	3771 *	4943 *	6434 *	8073 *	9399 *
3.0	685	1052	1639 *	2314 *	3034 *	4067 *	5411 *	7019 *	8758 *	10058 *
1.0	684	1055	1658 *	2365 *	3117 *	4223 *	5700 *	7379 *	9059 *	10449 *
0.0	679	1047	1652 *	2360 *	3122 *	4216 *	5676 *	7368 *	9065 *	10452 *
-1.0	684	1055	1658 *	2365 *	3117 *	4223 *	5700 *	7379 *	9059 *	10449 *
-3.0	685	1052	1639 *	2314 *	3034 *	4067 *	5411 *	7019 *	8758 *	10058 *
-5.0	677	1033	1583 *	2201 *	2870 *	3771 *	4943 *	6434 *	8073 *	9399 *
-7.0	656	993	1498 *	2054 *	2618 *	3331 *	4333 *	5620 *	6988 *	8309 *
-9.0	625	935	1384 *	1869 *	2329 *	2961 *	3731 *	4613 *	5785 *	6890 *
-11.0	582	856	1242 *	1660 *	2082 *	2558 *	3121 *	3797 *	4536 *	5297 *
-13.0	542	780	1109 *	1467 *	1792 *	2184 *	2591 *	3032 *	3512 *	4058 *
-15.0	489	693	967	1245 *	1532 *	1813 *	2130 *	2416 *	2774 *	3081 *
-17.0	436	606	832	1068	1259 *	1497 *	1715 *	1956 *	2172 *	2358 *
-19.5	376	505	676	850	997	1151 *	1298 *	1466 *	1596 *	1702 *
-22.5	298	394	514	631	735	831	918	1008	1070	1116 *
-25.5	231	299	379	454	520	584	637	677	706	727
-29.0	176	217	265	305	335	374	398	411	423	438
-33.0	133	155	179	203	221	233	244	253	261	267
-37.5	94	108	124	137	145	153	159	163	169	173
-42.5	69	75	81	86	90	94	97	100	102	103
-47.5	53	58	61	63	64	65	66	67	67	68
-55.0	36	38	40	41	42	43	43	44	44	45
-65.0	17	18	19	20	20	21	21	21	22	22
-75.0	5	6	6	6	6	6	6	6	6	6
-85.0	1	1	1	1	1	1	1	1	1	1
-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	1	1	1	1	1	1	1	1	1	1
75.0	6	6	6	6	6	6	6	6	6	6
65.0	22	22	22	22	22	22	22	21	21	21

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**CANDELA TABULATION - (Cont.)**

55.0	45	46	46	46	45	45	44	44	43	43
47.5	68	68	68	68	68	68	67	67	66	65
42.5	105	104	103	104	105	103	102	100	97	94
37.5	175	178	178	178	175	173	169	163	159	153
33.0	270	273	274	273	270	267	261	253	244	233
29.0	443	448	450	448	443	438	423	411	398	374
25.5	734	736	736	736	734	727	706	677	637	584
22.5	1146 *	1157 *	1148 *	1157 *	1146 *	1116 *	1070	1008	918	831
19.5	1785 *	1823 *	1821 *	1823 *	1785 *	1702 *	1596 *	1466 *	1298 *	1151 *
17.0	2516 *	2604 *	2597 *	2604 *	2516 *	2358 *	2172 *	1956 *	1715 *	1497 *
15.0	3310 *	3451 *	3399 *	3451 *	3310 *	3081 *	2774 *	2416 *	2130 *	1813 *
13.0	4485 *	4759 *	4799 *	4759 *	4485 *	4058 *	3512 *	3032 *	2591 *	2184 *
11.0	6019 *	6450 *	6443 *	6450 *	6019 *	5297 *	4536 *	3797 *	3121 *	2558 *
9.0	7762 *	8268 *	8280 *	8268 *	7762 *	6890 *	5785 *	4613 *	3731 *	2961 *
7.0	9423 *	9922 *	10010 *	9922 *	9423 *	8309 *	6988 *	5620 *	4333 *	3331 *
5.0	10340 *	11061 *	11088 *	11061 *	10340 *	9399 *	8073 *	6434 *	4943 *	3771 *
3.0	10705 *	10949 *	10940 *	10949 *	10705 *	10058 *	8758 *	7019 *	5411 *	4067 *
1.0	10706 *	10822 *	10828 *	10822 *	10706 *	10449 *	9059 *	7379 *	5700 *	4223 *
0.0	10782 *	10813 *	10778 *	10813 *	10782 *	10452 *	9065 *	7368 *	5676 *	4216 *
-1.0	10706 *	10822 *	10828 *	10822 *	10706 *	10449 *	9059 *	7379 *	5700 *	4223 *
-3.0	10705 *	10949 *	10940 *	10949 *	10705 *	10058 *	8758 *	7019 *	5411 *	4067 *
-5.0	10340 *	11061 *	11088 *	11061 *	10340 *	9399 *	8073 *	6434 *	4943 *	3771 *
-7.0	9423 *	9922 *	10010 *	9922 *	9423 *	8309 *	6988 *	5620 *	4333 *	3331 *
-9.0	7762 *	8268 *	8280 *	8268 *	7762 *	6890 *	5785 *	4613 *	3731 *	2961 *
-11.0	6019 *	6450 *	6443 *	6450 *	6019 *	5297 *	4536 *	3797 *	3121 *	2558 *
-13.0	4485 *	4759 *	4799 *	4759 *	4485 *	4058 *	3512 *	3032 *	2591 *	2184 *
-15.0	3310 *	3451 *	3399 *	3451 *	3310 *	3081 *	2774 *	2416 *	2130 *	1813 *
-17.0	2516 *	2604 *	2597 *	2604 *	2516 *	2358 *	2172 *	1956 *	1715 *	1497 *
-19.5	1785 *	1823 *	1821 *	1823 *	1785 *	1702 *	1596 *	1466 *	1298 *	1151 *
-22.5	1146 *	1157 *	1148 *	1157 *	1146 *	1116 *	1070	1008	918	831
-25.5	734	736	736	736	734	727	706	677	637	584
-29.0	443	448	450	448	443	438	423	411	398	374
-33.0	270	273	274	273	270	267	261	253	244	233
-37.5	175	178	178	178	175	173	169	163	159	153
-42.5	105	104	103	104	105	103	102	100	97	94
-47.5	68	68	68	68	68	68	67	67	66	65
-55.0	45	46	46	46	45	45	44	44	43	43
-65.0	22	22	22	22	22	22	22	21	21	21
-75.0	6	6	6	6	6	6	6	6	6	6
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

**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	0	0	0	0	0	0	0
85.0	1	1	1	1	1	1	1	1	0	0
75.0	6	6	6	6	5	5	4	3	3	2
65.0	20	20	19	18	17	16	13	11	9	7
55.0	42	41	40	38	36	32	29	24	21	17
47.5	64	63	61	58	53	49	44	38	31	25
42.5	90	86	81	75	69	63	56	48	40	32
37.5	145	137	124	108	94	81	69	58	48	39
33.0	221	203	179	155	133	109	85	68	55	43
29.0	335	305	265	217	176	145	109	80	61	48
25.5	520	454	379	299	231	176	135	94	67	53

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**CANDELA TABULATION - (Cont.)**

22.5	735	631	514	394	298	214	158	108	72	56
19.5	997	850	676	505	376	259	180	125	78	58
17.0	1259 *	1068	832	606	436	302	203	137	83	60
15.0	1532 *	1245 *	967	693	489	331	218	146	88	61
13.0	1792 *	1467 *	1109 *	780	542	358	230	153	93	63
11.0	2082 *	1660 *	1242 *	856	582	380	244	159	98	64
9.0	2329 *	1869 *	1384 *	935	625	395	254	164	102	65
7.0	2618 *	2054 *	1498 *	993	656	410	261	166	106	66
5.0	2870 *	2201 *	1583 *	1033	677	422	264	168	108	66
3.0	3034 *	2314 *	1639 *	1052	685	425	264	169	111	67
1.0	3117 *	2365 *	1658 *	1055	684	429	266	171	111	67
0.0	3122 *	2360 *	1652 *	1047	679	429	266	171	111	67
-1.0	3117 *	2365 *	1658 *	1055	684	429	266	171	111	67
-3.0	3034 *	2314 *	1639 *	1052	685	425	264	169	111	67
-5.0	2870 *	2201 *	1583 *	1033	677	422	264	168	108	66
-7.0	2618 *	2054 *	1498 *	993	656	410	261	166	106	66
-9.0	2329 *	1869 *	1384 *	935	625	395	254	164	102	65
-11.0	2082 *	1660 *	1242 *	856	582	380	244	159	98	64
-13.0	1792 *	1467 *	1109 *	780	542	358	230	153	93	63
-15.0	1532 *	1245 *	967	693	489	331	218	146	88	61
-17.0	1259 *	1068	832	606	436	302	203	137	83	60
-19.5	997	850	676	505	376	259	180	125	78	58
-22.5	735	631	514	394	298	214	158	108	72	56
-25.5	520	454	379	299	231	176	135	94	67	53
-29.0	335	305	265	217	176	145	109	80	61	48
-33.0	221	203	179	155	133	109	85	68	55	43
-37.5	145	137	124	108	94	81	69	58	48	39
-42.5	90	86	81	75	69	63	56	48	40	32
-47.5	64	63	61	58	53	49	44	38	31	25
-55.0	42	41	40	38	36	32	29	24	21	17
-65.0	20	20	19	18	17	16	13	11	9	7
-75.0	6	6	6	6	5	5	4	3	3	2
-85.0	1	1	1	1	1	1	1	1	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	1	1	1	0	0
65.0	5	2	1	0	0
55.0	11	5	1	0	0
47.5	17	7	2	0	0
42.5	21	9	3	0	0
37.5	25	11	3	1	0
33.0	29	13	4	1	0
29.0	33	15	4	1	0
25.5	35	17	5	1	0
22.5	37	17	5	1	0
19.5	39	18	5	1	0
17.0	40	19	5	1	0
15.0	41	19	6	1	0
13.0	42	20	6	1	0
11.0	42	20	6	1	0
9.0	43	20	6	1	0

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**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	43	21	6	1	0
<b>5.0</b>	44	21	6	1	0
<b>3.0</b>	45	21	6	1	0
<b>1.0</b>	45	21	6	1	0
<b>0.0</b>	45	21	6	1	0
<b>-1.0</b>	45	21	6	1	0
<b>-3.0</b>	45	21	6	1	0
<b>-5.0</b>	44	21	6	1	0
<b>-7.0</b>	43	21	6	1	0
<b>-9.0</b>	43	20	6	1	0
<b>-11.0</b>	42	20	6	1	0
<b>-13.0</b>	42	20	6	1	0
<b>-15.0</b>	41	19	6	1	0
<b>-17.0</b>	40	19	5	1	0
<b>-19.5</b>	39	18	5	1	0
<b>-22.5</b>	37	17	5	1	0
<b>-25.5</b>	35	17	5	1	0
<b>-29.0</b>	33	15	4	1	0
<b>-33.0</b>	29	13	4	1	0
<b>-37.5</b>	25	11	3	1	0
<b>-42.5</b>	21	9	3	0	0
<b>-47.5</b>	17	7	2	0	0
<b>-55.0</b>	11	5	1	0	0
<b>-65.0</b>	5	2	1	0	0
<b>-75.0</b>	1	1	1	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-19-350-3570-UE-SP10.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1281.72

Total Field Lumens (one side of beam only) = 1011.91

\* 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	0.04	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09
55	0.10	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.22
47.5	0.13	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.23	0.28
42.5	0.13	0.26	0.26	0.26	0.25	0.25	0.24	0.23	0.22	0.26
37.5	0.21	0.43	0.42	0.41	0.40	0.39	0.37	0.36	0.34	0.39
33	0.31	0.61	0.61	0.59	0.57	0.55	0.53	0.50	0.47	0.52
29	0.44	0.87	0.86	0.84	0.81	0.78	0.74	0.69	0.62	0.69
25.5	0.63	1.26	1.25	1.22	1.17	1.11	1.04	0.94	0.83	0.89
22.5	0.86	1.72	1.70	1.64	1.57	1.46	1.33	1.18	1.03	1.07
19.5	1.36 *	2.70 *	2.62 *	2.49 *	2.33 *	2.11 *	1.88	1.65	1.41	1.45
17	1.68 *	3.32 *	3.18 *	2.96 *	2.71 *	2.41 *	2.11 *	1.81 *	1.53	1.55
15	1.84 *	3.62 *	3.42 *	3.15 *	2.81 *	2.46 *	2.13 *	1.80 *	1.49 *	1.49
13	2.50 *	4.87 *	4.54 *	4.07 *	3.54 *	3.05 *	2.60 *	2.16 *	1.77 *	1.73 *
11	3.42 *	6.61 *	6.03 *	5.27 *	4.49 *	3.76 *	3.11 *	2.55 *	2.05 *	1.98 *
9	4.48 *	8.68 *	7.89 *	6.82 *	5.65 *	4.58 *	3.69 *	2.93 *	2.32 *	2.23 *
7	5.56 *	10.77 *	9.84 *	8.47 *	6.94 *	5.49 *	4.28 *	3.32 *	2.60 *	2.46 *
5	6.41 *	12.40 *	11.39 *	9.93 *	8.18 *	6.40 *	4.88 *	3.72 *	2.85 *	2.65 *
3	6.71 *	13.11 *	12.31 *	10.99 *	9.13 *	7.14 *	5.42 *	4.06 *	3.05 *	2.80 *
1	6.63 *	13.15 *	12.74 *	11.61 *	9.72 *	7.65 *	5.78 *	4.27 *	3.17 *	2.88 *
0	3.29 *	6.56 *	6.44 *	5.91 *	4.96 *	3.92 *	2.95 *	2.17 *	1.61 *	1.45 *
-1	3.29 *	6.56 *	6.44 *	5.91 *	4.96 *	3.92 *	2.95 *	2.17 *	1.61 *	1.45 *
	6.63 *	13.15 *	12.74 *	11.61 *	9.72 *	7.65 *	5.78 *	4.27 *	3.17 *	2.88 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	6.71 *	13.11 *	12.31 *	10.99 *	9.13 *	7.14 *	5.42 *	4.06 *	3.05 *	2.80 *
<b>-5</b>	6.41 *	12.40 *	11.39 *	9.93 *	8.18 *	6.40 *	4.88 *	3.72 *	2.85 *	2.65 *
<b>-7</b>	5.56 *	10.77 *	9.84 *	8.47 *	6.94 *	5.49 *	4.28 *	3.32 *	2.60 *	2.46 *
<b>-9</b>	4.48 *	8.68 *	7.89 *	6.82 *	5.65 *	4.58 *	3.69 *	2.93 *	2.32 *	2.23 *
<b>-11</b>	3.42 *	6.61 *	6.03 *	5.27 *	4.49 *	3.76 *	3.11 *	2.55 *	2.05 *	1.98 *
<b>-13</b>	2.50 *	4.87 *	4.54 *	4.07 *	3.54 *	3.05 *	2.60 *	2.16 *	1.77 *	1.73 *
<b>-15</b>	1.84 *	3.62 *	3.42 *	3.15 *	2.81 *	2.46 *	2.13 *	1.80 *	1.49 *	1.49
<b>-17</b>	1.68 *	3.32 *	3.18 *	2.96 *	2.71 *	2.41 *	2.11 *	1.81 *	1.53	1.55
<b>-19.5</b>	1.36 *	2.70 *	2.62 *	2.49 *	2.33 *	2.11 *	1.88	1.65	1.41	1.45
<b>-22.5</b>	0.86	1.72	1.70	1.64	1.57	1.46	1.33	1.18	1.03	1.07
<b>-25.5</b>	0.63	1.26	1.25	1.22	1.17	1.11	1.04	0.94	0.83	0.89
<b>-29</b>	0.44	0.87	0.86	0.84	0.81	0.78	0.74	0.69	0.62	0.69
<b>-33</b>	0.31	0.61	0.61	0.59	0.57	0.55	0.53	0.50	0.47	0.52
<b>-37.5</b>	0.21	0.43	0.42	0.41	0.40	0.39	0.37	0.36	0.34	0.39
<b>-42.5</b>	0.13	0.26	0.26	0.26	0.25	0.25	0.24	0.23	0.22	0.26
<b>-47.5</b>	0.13	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.23	0.28
<b>-55</b>	0.10	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.22
<b>-65</b>	0.04	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09
<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>	93.51	183.03	172.11	154.41	131.57	108.13	87.23	69.74	55.72	54.21

**Vert. Horizontal Angles**

<b>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	0.01	0.01	0.01	0.01
<b>75</b>	0.10	0.10	0.10	0.10	0.09	0.08	0.06	0.05	0.03	0.01
<b>65</b>	0.25	0.23	0.24	0.23	0.22	0.19	0.15	0.14	0.09	0.02
<b>55</b>	0.32	0.29	0.30	0.30	0.28	0.25	0.19	0.19	0.11	0.03

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>										
	0.29	0.27	0.28	0.28	0.26	0.23	0.17	0.17	0.10	0.03
<b>42.5</b>										
	0.41	0.36	0.36	0.35	0.32	0.28	0.21	0.21	0.13	0.03
<b>37.5</b>										
	0.54	0.46	0.44	0.40	0.35	0.30	0.22	0.22	0.13	0.04
<b>33</b>										
	0.70	0.57	0.53	0.47	0.38	0.31	0.22	0.22	0.14	0.04
<b>29</b>										
	0.87	0.67	0.60	0.52	0.41	0.31	0.22	0.21	0.13	0.04
<b>25.5</b>										
	1.01	0.77	0.65	0.53	0.42	0.30	0.20	0.19	0.12	0.03
<b>22.5</b>										
	1.34	0.98	0.82	0.64	0.48	0.34	0.21	0.20	0.13	0.04
<b>19.5</b>										
	1.40	1.00	0.81	0.62	0.45	0.31	0.19	0.18	0.11	0.03
<b>17</b>										
	1.32	0.93	0.74	0.55	0.39	0.26	0.16	0.14	0.09	0.03
<b>15</b>										
	1.51	1.05	0.82	0.59	0.42	0.28	0.16	0.15	0.09	0.03
<b>13</b>										
	1.70	1.15	0.88	0.63	0.44	0.29	0.17	0.15	0.09	0.03
<b>11</b>										
	1.88	1.25	0.94	0.66	0.46	0.31	0.18	0.15	0.10	0.03
<b>9</b>										
	2.05 *	1.34	0.99	0.69	0.47	0.31	0.18	0.16	0.10	0.03
<b>7</b>										
	2.18 *	1.40	1.03	0.71	0.48	0.32	0.19	0.16	0.10	0.03
<b>5</b>										
	2.26 *	1.44	1.05	0.72	0.48	0.32	0.19	0.16	0.10	0.03
<b>3</b>										
	2.30 *	1.45	1.05	0.72	0.49	0.33	0.19	0.16	0.10	0.03
<b>1</b>										
	1.15 *	0.72	0.53	0.36	0.24	0.16	0.10	0.08	0.05	0.01
<b>0</b>										
	1.15 *	0.72	0.53	0.36	0.24	0.16	0.10	0.08	0.05	0.01
<b>-1</b>										
	2.30 *	1.45	1.05	0.72	0.49	0.33	0.19	0.16	0.10	0.03
<b>-3</b>										
	2.26 *	1.44	1.05	0.72	0.48	0.32	0.19	0.16	0.10	0.03
<b>-5</b>										
	2.18 *	1.40	1.03	0.71	0.48	0.32	0.19	0.16	0.10	0.03
<b>-7</b>										
	2.05 *	1.34	0.99	0.69	0.47	0.31	0.18	0.16	0.10	0.03
<b>-9</b>										
	1.88	1.25	0.94	0.66	0.46	0.31	0.18	0.15	0.10	0.03
<b>-11</b>										
	1.70	1.15	0.88	0.63	0.44	0.29	0.17	0.15	0.09	0.03
<b>-13</b>										
	1.51	1.05	0.82	0.59	0.42	0.28	0.16	0.15	0.09	0.03
<b>-15</b>										
	1.32	0.93	0.74	0.55	0.39	0.26	0.16	0.14	0.09	0.03
<b>-17</b>										
	1.40	1.00	0.81	0.62	0.45	0.31	0.19	0.18	0.11	0.03
<b>-19.5</b>										
	1.34	0.98	0.82	0.64	0.48	0.34	0.21	0.20	0.13	0.04

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES

LUMENS TABULATION - (Cont.)

<b>-22.5</b>	1.01	0.77	0.65	0.53	0.42	0.30	0.20	0.19	0.12	0.03
<b>-25.5</b>	0.87	0.67	0.60	0.52	0.41	0.31	0.22	0.21	0.13	0.04
<b>-29</b>	0.70	0.57	0.53	0.47	0.38	0.31	0.22	0.22	0.14	0.04
<b>-33</b>	0.54	0.46	0.44	0.40	0.35	0.30	0.22	0.22	0.13	0.04
<b>-37.5</b>	0.41	0.36	0.36	0.35	0.32	0.28	0.21	0.21	0.13	0.03
<b>-42.5</b>	0.29	0.27	0.28	0.28	0.26	0.23	0.17	0.17	0.10	0.03
<b>-47.5</b>	0.32	0.29	0.30	0.30	0.28	0.25	0.19	0.19	0.11	0.03
<b>-55</b>	0.25	0.23	0.24	0.23	0.22	0.19	0.15	0.14	0.09	0.02
<b>-65</b>	0.10	0.10	0.10	0.10	0.09	0.08	0.06	0.05	0.03	0.01
<b>-75</b>	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01
<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>	47.26	32.91	26.39	20.22	15.13	11.00	7.14	6.60	4.10	1.15

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>	0.00	0.00	0.03	
<b>85</b>	0.00	0.00	0.40	
<b>75</b>	0.00	0.00	1.51	
<b>65</b>	0.00	0.00	3.63	
<b>55</b>	0.00	0.00	4.65	
<b>47.5</b>	0.00	0.00	4.45	
<b>42.5</b>	0.00	0.00	6.41	
<b>37.5</b>	0.01	0.00	8.39	
<b>33</b>	0.01	0.00	10.93	
<b>29</b>	0.01	0.00	14.31	
<b>25.5</b>	0.00	0.00	17.80	
<b>22.5</b>	0.00	0.00	25.16	
<b>19.5</b>	0.00	0.00	28.36	
<b>17</b>	0.00	0.00	28.83	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES**

**LUMENS TABULATION - (Cont.)**

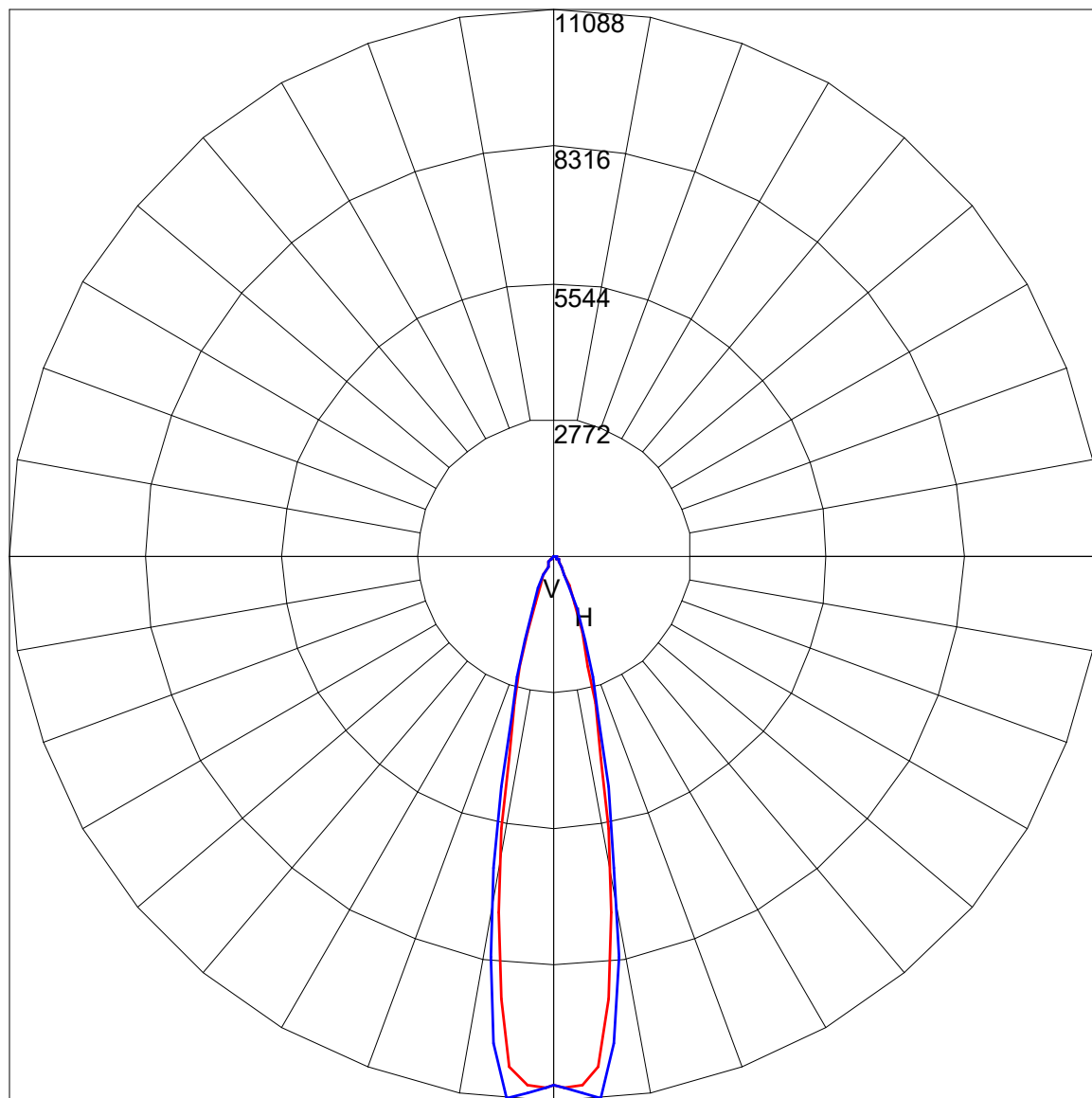
<b>15</b>	0.00	0.00	35.93
<b>13</b>	0.00	0.00	44.82
<b>11</b>	0.00	0.00	55.23
<b>9</b>	0.00	0.00	66.04
<b>7</b>	0.00	0.00	75.40
<b>5</b>	0.00	0.00	81.47
<b>3</b>	0.00	0.00	84.43
<b>1</b>	0.00	0.00	42.68
<b>0</b>	0.00	0.00	42.68
<b>-1</b>	0.00	0.00	84.43
<b>-3</b>	0.00	0.00	81.47
<b>-5</b>	0.00	0.00	75.40
<b>-7</b>	0.00	0.00	66.04
<b>-9</b>	0.00	0.00	55.23
<b>-11</b>	0.00	0.00	44.82
<b>-13</b>	0.00	0.00	35.93
<b>-15</b>	0.00	0.00	28.83
<b>-17</b>	0.00	0.00	28.36
<b>-19.5</b>	0.00	0.00	25.16
<b>-22.5</b>	0.00	0.00	17.80
<b>-25.5</b>	0.01	0.00	14.31
<b>-29</b>	0.01	0.00	10.93
<b>-33</b>	0.01	0.00	8.39
<b>-37.5</b>	0.00	0.00	6.41
<b>-42.5</b>	0.00	0.00	4.45
<b>-47.5</b>	0.00	0.00	4.65
<b>-55</b>	0.00	0.00	3.63
<b>-65</b>	0.00	0.00	1.51

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : XIG-B-LED-19-350-3570-UE-SP10.IES**

**LUMENS TABULATION - (Cont.)**

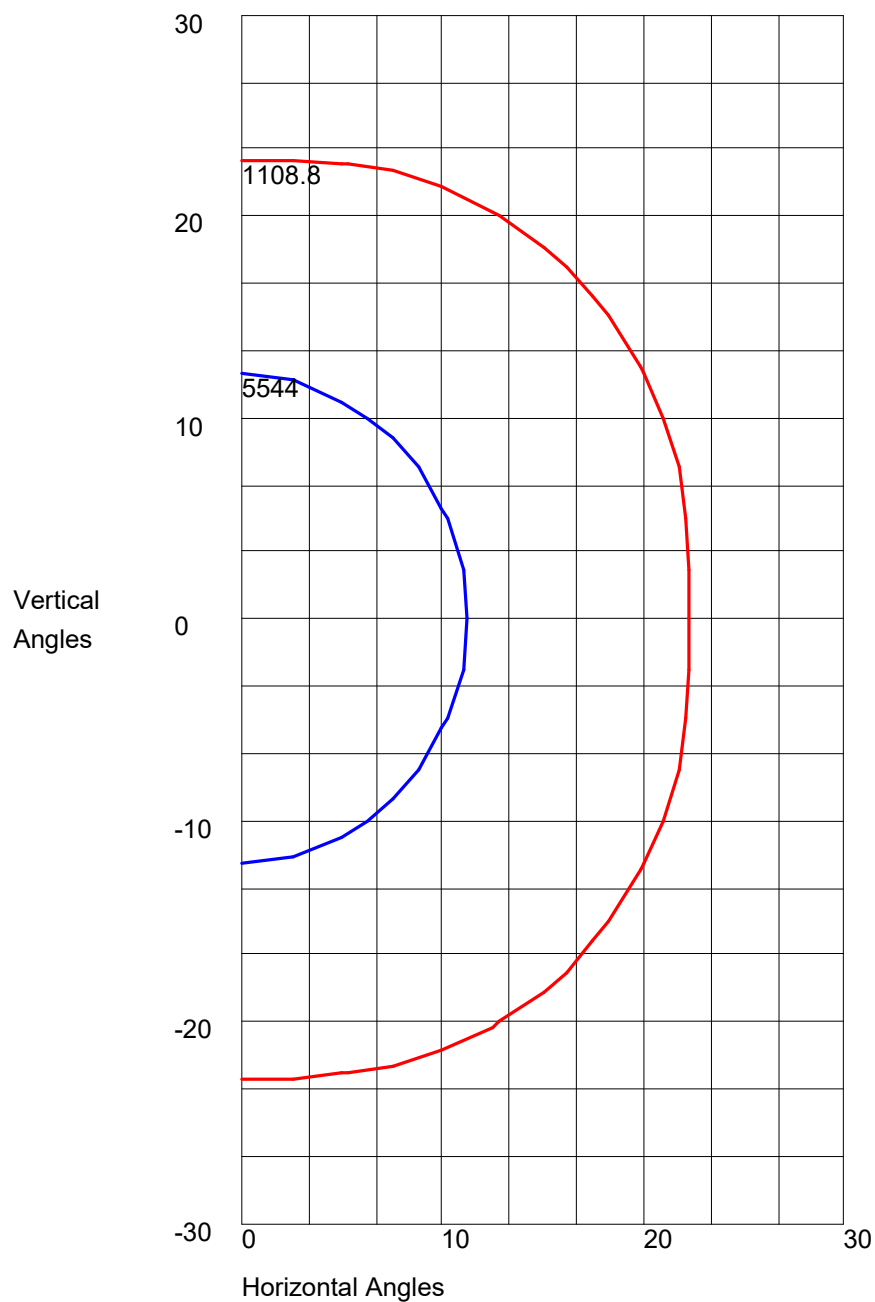
<b>-75</b>	0.00	0.00	0.40
<b>-85</b>	0.00	0.00	0.03
<b>-90</b>			
<b>Total</b>	0.16	0.00	1281.72

AXIAL CANDELA DISPLAY



Maximum Candela = 11088 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 11088 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 5544  
10% Maximum Candela = 1108.8