



IES FLOOD REPORT
PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-NFL25.IES

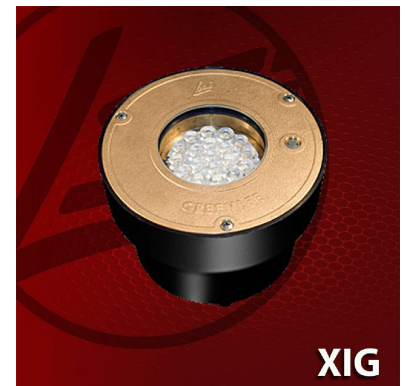
DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13850
[TESTLAB] LSI INDUSTRIES, INC.
[TESTDATE] 01/20/23
[ISSUEDATE] 03/15/23
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] XIG-B-LED-19-350-4070-UE-NFL25
[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	3 H x 3 V
Maximum Candela	10876
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	18.6
Vertical Beam Angle (50%)	19.5
Horizontal Field Angle (10%)	43.2
Vertical Field Angle (10%)	43.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	664
Beam Efficiency	N.A.
Field Lumens	1545
Field Efficiency	N.A.
Spill Lumens	651
Luminaire Lumens	2195
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	8	75	8
65	29	65	29
55	70	55	69
47.5	107	47.5	109
42.5	146	42.5	147
37.5	213	37.5	227
33	319	33	346
29	461	29	498
25.5	658	25.5	689
22.5	951	22.5	966
19.5	1419	19.5	1462
17	1973	17	2066
15	2540	15	2667
13	3332	13	3488
11	4348	11	4573
9	5626	9	5973
7	7168	7	7612
5	8938	5	9294
3	10360	3	10450
1	10812	1	10821
0	10876	0	10876
-1	10812	-1	10821
-3	10360	-3	10450
-5	8938	-5	9294
-7	7168	-7	7612
-9	5626	-9	5973
-11	4348	-11	4573
-13	3332	-13	3488
-15	2540	-15	2667
-17	1973	-17	2066
-19.5	1419	-19.5	1462
-22.5	951	-22.5	966
-25.5	658	-25.5	689
-29	461	-29	498
-33	319	-33	346
-37.5	213	-37.5	227
-42.5	146	-42.5	147
-47.5	107	-47.5	109
-55	70	-55	69
-65	29	-65	29
-75	8	-75	8
-85	1	-85	1
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 10876

Beam Edge = 5438 Cd (50% of Max.)

Field Edge = 1087.6 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	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	1	1	1
75.0	0	0	1	1	1	2	3	4	5	6
65.0	0	0	1	3	7	11	13	16	19	21
55.0	0	0	2	7	15	24	29	35	41	45
47.5	0	0	3	11	23	35	46	57	67	76
42.5	0	0	4	13	29	45	59	73	85	95
37.5	0	1	4	16	35	57	74	89	102	116
33.0	0	1	5	19	41	67	86	103	121	142
29.0	0	1	6	21	46	76	95	116	143	176
25.5	0	1	6	22	51	83	103	130	166	211
22.5	0	1	7	24	55	88	110	143	189	246
19.5	0	1	7	25	58	92	117	157	212	283
17.0	0	1	7	26	61	95	123	168	233	316
15.0	0	1	7	27	63	98	128	176	249	340
13.0	0	1	8	27	65	100	132	186	263	368
11.0	0	1	8	28	66	101	136	194	278	392
9.0	0	1	8	28	68	103	139	201	291	412
7.0	0	1	8	29	68	104	142	206	302	430
5.0	0	1	8	29	69	105	144	210	310	446
3.0	0	1	8	29	70	106	146	212	315	456
1.0	0	1	8	29	70	107	146	213	318	461
0.0	0	1	8	29	70	107	146	213	319	461
-1.0	0	1	8	29	70	107	146	213	318	461
-3.0	0	1	8	29	70	106	146	212	315	456
-5.0	0	1	8	29	69	105	144	210	310	446
-7.0	0	1	8	29	68	104	142	206	302	430
-9.0	0	1	8	28	68	103	139	201	291	412
-11.0	0	1	8	28	66	101	136	194	278	392
-13.0	0	1	8	27	65	100	132	186	263	368
-15.0	0	1	7	27	63	98	128	176	249	340
-17.0	0	1	7	26	61	95	123	168	233	316
-19.5	0	1	7	25	58	92	117	157	212	283
-22.5	0	1	7	24	55	88	110	143	189	246
-25.5	0	1	6	22	51	83	103	130	166	211
-29.0	0	1	6	21	46	76	95	116	143	176
-33.0	0	1	5	19	41	67	86	103	121	142
-37.5	0	1	4	16	35	57	74	89	102	116
-42.5	0	0	4	13	29	45	59	73	85	95
-47.5	0	0	3	11	23	35	46	57	67	76
-55.0	0	0	2	7	15	24	29	35	41	45
-65.0	0	0	1	3	7	11	13	16	19	21
-75.0	0	0	1	1	1	2	3	4	5	6
-85.0	0	0	0	0	0	0	0	1	1	1
-90.0	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	6	7	7	7	7	8	8	8	8	8
65.0	22	23	24	26	26	27	28	28	28	29
55.0	50	54	57	60	62	63	65	66	67	68
47.5	83	88	92	95	98	100	102	104	106	108
42.5	102	109	116	121	126	130	135	139	142	145
37.5	129	141	155	166	175	187	199	209	217	223
33.0	166	188	212	235	253	271	291	311	326	338
29.0	213	248	287	320	346	373	402	428	453	474
25.5	262	313	367	414	455	495	532	580	621	652
22.5	311	377	451	517	579	647	710	789	853	903
19.5	366	451	552	658	758	869	981	1116 *	1228 *	1314 *
17.0	413	521	662	816	950	1129 *	1296 *	1501 *	1684 *	1826 *
15.0	456	586	765	954	1163 *	1375 *	1628 *	1867 *	2152 *	2386 *
13.0	498	654	879	1142 *	1384 *	1679 *	2002 *	2354 *	2702 *	3067 *
11.0	533	717	993	1311 *	1642 *	2004 *	2434 *	2922 *	3408 *	3879 *
9.0	573	791	1121 *	1503 *	1870 *	2347 *	2911 *	3521 *	4273 *	4922 *
7.0	608	848	1219 *	1668 *	2128 *	2668 *	3375 *	4240 *	5187 *	6230 *
5.0	635	893	1293 *	1790 *	2327 *	2987 *	3792 *	4808 *	6096 *	7428 *
3.0	652	924	1362 *	1891 *	2462 *	3209 *	4180 *	5365 *	6773 *	8366 *
1.0	659	946	1405 *	1954 *	2538 *	3328 *	4343 *	5619 *	7170 *	9043 *
0.0	658	951	1419 *	1973 *	2540 *	3332 *	4348 *	5626 *	7168 *	8938 *
-1.0	659	946	1405 *	1954 *	2538 *	3328 *	4343 *	5619 *	7170 *	9043 *
-3.0	652	924	1362 *	1891 *	2462 *	3209 *	4180 *	5365 *	6773 *	8366 *
-5.0	635	893	1293 *	1790 *	2327 *	2987 *	3792 *	4808 *	6096 *	7428 *
-7.0	608	848	1219 *	1668 *	2128 *	2668 *	3375 *	4240 *	5187 *	6230 *
-9.0	573	791	1121 *	1503 *	1870 *	2347 *	2911 *	3521 *	4273 *	4922 *
-11.0	533	717	993	1311 *	1642 *	2004 *	2434 *	2922 *	3408 *	3879 *
-13.0	498	654	879	1142 *	1384 *	1679 *	2002 *	2354 *	2702 *	3067 *
-15.0	456	586	765	954	1163 *	1375 *	1628 *	1867 *	2152 *	2386 *
-17.0	413	521	662	816	950	1129 *	1296 *	1501 *	1684 *	1826 *
-19.5	366	451	552	658	758	869	981	1116 *	1228 *	1314 *
-22.5	311	377	451	517	579	647	710	789	853	903
-25.5	262	313	367	414	455	495	532	580	621	652
-29.0	213	248	287	320	346	373	402	428	453	474
-33.0	166	188	212	235	253	271	291	311	326	338
-37.5	129	141	155	166	175	187	199	209	217	223
-42.5	102	109	116	121	126	130	135	139	142	145
-47.5	83	88	92	95	98	100	102	104	106	108
-55.0	50	54	57	60	62	63	65	66	67	68
-65.0	22	23	24	26	26	27	28	28	28	29
-75.0	6	7	7	7	7	8	8	8	8	8
-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	8	8	8	8	8	8	8	8	8	8
65.0	29	29	29	29	29	29	28	28	28	27

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CANDELA TABULATION - (Cont.)

55.0	69	69	69	69	69	68	67	66	65	63
47.5	109	109	109	109	109	108	106	104	102	100
42.5	148	147	147	147	148	145	142	139	135	130
37.5	228	228	227	228	228	223	217	209	199	187
33.0	348	348	346	348	348	338	326	311	291	271
29.0	489	497	498	497	489	474	453	428	402	373
25.5	674	686	689	686	674	652	621	580	532	495
22.5	938	962	966	962	938	903	853	789	710	647
19.5	1403 *	1455 *	1462 *	1455 *	1403 *	1314 *	1228 *	1116 *	981	869
17.0	1960 *	2047 *	2066 *	2047 *	1960 *	1826 *	1684 *	1501 *	1296 *	1129 *
15.0	2555 *	2652 *	2667 *	2652 *	2555 *	2386 *	2152 *	1867 *	1628 *	1375 *
13.0	3346 *	3461 *	3488 *	3461 *	3346 *	3067 *	2702 *	2354 *	2002 *	1679 *
11.0	4354 *	4568 *	4573 *	4568 *	4354 *	3879 *	3408 *	2922 *	2434 *	2004 *
9.0	5567 *	5968 *	5973 *	5968 *	5567 *	4922 *	4273 *	3521 *	2911 *	2347 *
7.0	7012 *	7581 *	7612 *	7581 *	7012 *	6230 *	5187 *	4240 *	3375 *	2668 *
5.0	8526 *	9314 *	9294 *	9314 *	8526 *	7428 *	6096 *	4808 *	3792 *	2987 *
3.0	9678 *	10358 *	10450 *	10358 *	9678 *	8366 *	6773 *	5365 *	4180 *	3209 *
1.0	10297 *	10790 *	10821 *	10790 *	10297 *	9043 *	7170 *	5619 *	4343 *	3328 *
0.0	10360 *	10812 *	10876 *	10812 *	10360 *	8938 *	7168 *	5626 *	4348 *	3332 *
-1.0	10297 *	10790 *	10821 *	10790 *	10297 *	9043 *	7170 *	5619 *	4343 *	3328 *
-3.0	9678 *	10358 *	10450 *	10358 *	9678 *	8366 *	6773 *	5365 *	4180 *	3209 *
-5.0	8526 *	9314 *	9294 *	9314 *	8526 *	7428 *	6096 *	4808 *	3792 *	2987 *
-7.0	7012 *	7581 *	7612 *	7581 *	7012 *	6230 *	5187 *	4240 *	3375 *	2668 *
-9.0	5567 *	5968 *	5973 *	5968 *	5567 *	4922 *	4273 *	3521 *	2911 *	2347 *
-11.0	4354 *	4568 *	4573 *	4568 *	4354 *	3879 *	3408 *	2922 *	2434 *	2004 *
-13.0	3346 *	3461 *	3488 *	3461 *	3346 *	3067 *	2702 *	2354 *	2002 *	1679 *
-15.0	2555 *	2652 *	2667 *	2652 *	2555 *	2386 *	2152 *	1867 *	1628 *	1375 *
-17.0	1960 *	2047 *	2066 *	2047 *	1960 *	1826 *	1684 *	1501 *	1296 *	1129 *
-19.5	1403 *	1455 *	1462 *	1455 *	1403 *	1314 *	1228 *	1116 *	981	869
-22.5	938	962	966	962	938	903	853	789	710	647
-25.5	674	686	689	686	674	652	621	580	532	495
-29.0	489	497	498	497	489	474	453	428	402	373
-33.0	348	348	346	348	348	338	326	311	291	271
-37.5	228	228	227	228	228	223	217	209	199	187
-42.5	148	147	147	147	148	145	142	139	135	130
-47.5	109	109	109	109	109	108	106	104	102	100
-55.0	69	69	69	69	69	68	67	66	65	63
-65.0	29	29	29	29	29	29	28	28	28	27
-75.0	8	8	8	8	8	8	8	8	8	8
-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	7	7	7	7	6	6	5	4	3	2
65.0	26	26	24	23	22	21	19	16	13	11
55.0	62	60	57	54	50	45	41	35	29	24
47.5	98	95	92	88	83	76	67	57	46	35
42.5	126	121	116	109	102	95	85	73	59	45
37.5	175	166	155	141	129	116	102	89	74	57
33.0	253	235	212	188	166	142	121	103	86	67
29.0	346	320	287	248	213	176	143	116	95	76
25.5	455	414	367	313	262	211	166	130	103	83

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CANDELA TABULATION - (Cont.)

22.5	579	517	451	377	311	246	189	143	110	88
19.5	758	658	552	451	366	283	212	157	117	92
17.0	950	816	662	521	413	316	233	168	123	95
15.0	1163 *	954	765	586	456	340	249	176	128	98
13.0	1384 *	1142 *	879	654	498	368	263	186	132	100
11.0	1642 *	1311 *	993	717	533	392	278	194	136	101
9.0	1870 *	1503 *	1121 *	791	573	412	291	201	139	103
7.0	2128 *	1668 *	1219 *	848	608	430	302	206	142	104
5.0	2327 *	1790 *	1293 *	893	635	446	310	210	144	105
3.0	2462 *	1891 *	1362 *	924	652	456	315	212	146	106
1.0	2538 *	1954 *	1405 *	946	659	461	318	213	146	107
0.0	2540 *	1973 *	1419 *	951	658	461	319	213	146	107
-1.0	2538 *	1954 *	1405 *	946	659	461	318	213	146	107
-3.0	2462 *	1891 *	1362 *	924	652	456	315	212	146	106
-5.0	2327 *	1790 *	1293 *	893	635	446	310	210	144	105
-7.0	2128 *	1668 *	1219 *	848	608	430	302	206	142	104
-9.0	1870 *	1503 *	1121 *	791	573	412	291	201	139	103
-11.0	1642 *	1311 *	993	717	533	392	278	194	136	101
-13.0	1384 *	1142 *	879	654	498	368	263	186	132	100
-15.0	1163 *	954	765	586	456	340	249	176	128	98
-17.0	950	816	662	521	413	316	233	168	123	95
-19.5	758	658	552	451	366	283	212	157	117	92
-22.5	579	517	451	377	311	246	189	143	110	88
-25.5	455	414	367	313	262	211	166	130	103	83
-29.0	346	320	287	248	213	176	143	116	95	76
-33.0	253	235	212	188	166	142	121	103	86	67
-37.5	175	166	155	141	129	116	102	89	74	57
-42.5	126	121	116	109	102	95	85	73	59	45
-47.5	98	95	92	88	83	76	67	57	46	35
-55.0	62	60	57	54	50	45	41	35	29	24
-65.0	26	26	24	23	22	21	19	16	13	11
-75.0	7	7	7	7	6	6	5	4	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	7	3	1	0	0
55.0	15	7	2	0	0
47.5	23	11	3	0	0
42.5	29	13	4	0	0
37.5	35	16	4	1	0
33.0	41	19	5	1	0
29.0	46	21	6	1	0
25.5	51	22	6	1	0
22.5	55	24	7	1	0
19.5	58	25	7	1	0
17.0	61	26	7	1	0
15.0	63	27	7	1	0
13.0	65	27	8	1	0
11.0	66	28	8	1	0
9.0	68	28	8	1	0

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CANDELA TABULATION - (Cont.)

7.0	68	29	8	1	0
5.0	69	29	8	1	0
3.0	70	29	8	1	0
1.0	70	29	8	1	0
0.0	70	29	8	1	0
-1.0	70	29	8	1	0
-3.0	70	29	8	1	0
-5.0	69	29	8	1	0
-7.0	68	29	8	1	0
-9.0	68	28	8	1	0
-11.0	66	28	8	1	0
-13.0	65	27	8	1	0
-15.0	63	27	7	1	0
-17.0	61	26	7	1	0
-19.5	58	25	7	1	0
-22.5	55	24	7	1	0
-25.5	51	22	6	1	0
-29.0	46	21	6	1	0
-33.0	41	19	5	1	0
-37.5	35	16	4	1	0
-42.5	29	13	4	0	0
-47.5	23	11	3	0	0
-55.0	15	7	2	0	0
-65.0	7	3	1	0	0
-75.0	1	1	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1097.71

Total Field Lumens (one side of beam only) = 772.36

* 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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
65	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.12
55	0.15	0.30	0.30	0.29	0.29	0.28	0.27	0.26	0.25	0.30
47.5	0.20	0.41	0.40	0.40	0.39	0.38	0.37	0.36	0.35	0.41
42.5	0.19	0.39	0.39	0.38	0.37	0.36	0.35	0.34	0.32	0.38
37.5	0.29	0.57	0.57	0.55	0.53	0.51	0.48	0.46	0.43	0.50
33	0.39	0.79	0.78	0.75	0.72	0.68	0.64	0.59	0.55	0.62
29	0.51	1.02	1.00	0.96	0.92	0.86	0.80	0.73	0.68	0.76
25.5	0.63	1.25	1.22	1.17	1.10	1.02	0.94	0.86	0.79	0.88
22.5	0.75	1.49	1.44	1.38	1.29	1.17	1.07	0.96	0.86	0.95
19.5	1.11 *	2.17 *	2.08 *	1.95	1.80	1.62	1.43	1.26	1.10	1.18
17	1.34 *	2.61 *	2.47 *	2.29 *	2.08 *	1.84 *	1.59	1.37	1.16	1.21
15	1.44 *	2.80 *	2.65 *	2.44 *	2.17 *	1.89 *	1.62 *	1.36 *	1.14	1.16
13	1.87 *	3.66 *	3.45 *	3.12 *	2.74 *	2.36 *	1.99 *	1.66 *	1.36 *	1.35
11	2.45 *	4.79 *	4.45 *	3.96 *	3.43 *	2.91 *	2.42 *	1.98 *	1.60 *	1.56
9	3.21 *	6.23 *	5.69 *	4.99 *	4.26 *	3.54 *	2.89 *	2.32 *	1.85 *	1.78 *
7	4.13 *	7.95 *	7.21 *	6.24 *	5.19 *	4.21 *	3.37 *	2.66 *	2.10 *	1.99 *
5	5.15 *	9.87 *	8.87 *	7.56 *	6.13 *	4.86 *	3.82 *	2.99 *	2.32 *	2.16 *
3	6.00 *	11.53 *	10.33 *	8.68 *	6.95 *	5.44 *	4.22 *	3.25 *	2.48 *	2.29 *
1	6.46 *	12.52 *	11.36 *	9.50 *	7.52 *	5.85 *	4.49 *	3.41 *	2.59 *	2.39 *
0	3.30 *	6.43 *	5.87 *	4.90 *	3.86 *	2.99 *	2.29 *	1.73 *	1.32 *	1.22 *
-1	3.30 *	6.43 *	5.87 *	4.90 *	3.86 *	2.99 *	2.29 *	1.73 *	1.32 *	1.22 *
	6.46 *	12.52 *	11.36 *	9.50 *	7.52 *	5.85 *	4.49 *	3.41 *	2.59 *	2.39 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-NFL25.IES

LUMENS TABULATION - (Cont.)

-3	6.00 *	11.53 *	10.33 *	8.68 *	6.95 *	5.44 *	4.22 *	3.25 *	2.48 *	2.29 *
-5	5.15 *	9.87 *	8.87 *	7.56 *	6.13 *	4.86 *	3.82 *	2.99 *	2.32 *	2.16 *
-7	4.13 *	7.95 *	7.21 *	6.24 *	5.19 *	4.21 *	3.37 *	2.66 *	2.10 *	1.99 *
-9	3.21 *	6.23 *	5.69 *	4.99 *	4.26 *	3.54 *	2.89 *	2.32 *	1.85 *	1.78 *
-11	2.45 *	4.79 *	4.45 *	3.96 *	3.43 *	2.91 *	2.42 *	1.98 *	1.60 *	1.56
-13	1.87 *	3.66 *	3.45 *	3.12 *	2.74 *	2.36 *	1.99 *	1.66 *	1.36 *	1.35
-15	1.44 *	2.80 *	2.65 *	2.44 *	2.17 *	1.89 *	1.62 *	1.36 *	1.14	1.16
-17	1.34 *	2.61 *	2.47 *	2.29 *	2.08 *	1.84 *	1.59	1.37	1.16	1.21
-19.5	1.11 *	2.17 *	2.08 *	1.95	1.80	1.62	1.43	1.26	1.10	1.18
-22.5	0.75	1.49	1.44	1.38	1.29	1.17	1.07	0.96	0.86	0.95
-25.5	0.63	1.25	1.22	1.17	1.10	1.02	0.94	0.86	0.79	0.88
-29	0.51	1.02	1.00	0.96	0.92	0.86	0.80	0.73	0.68	0.76
-33	0.39	0.79	0.78	0.75	0.72	0.68	0.64	0.59	0.55	0.62
-37.5	0.29	0.57	0.57	0.55	0.53	0.51	0.48	0.46	0.43	0.50
-42.5	0.19	0.39	0.39	0.38	0.37	0.36	0.35	0.34	0.32	0.38
-47.5	0.20	0.41	0.40	0.40	0.39	0.38	0.37	0.36	0.35	0.41
-55	0.15	0.30	0.30	0.29	0.29	0.28	0.27	0.26	0.25	0.30
-65	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.12
-75	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	79.30	153.86	141.33	123.29	103.77	85.82	70.34	57.39	46.74	46.53

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01
75	0.13	0.12	0.13	0.13	0.12	0.10	0.08	0.08	0.05	0.02
65	0.34	0.31	0.33	0.33	0.31	0.27	0.21	0.20	0.12	0.03
55	0.47	0.43	0.45	0.45	0.42	0.37	0.27	0.26	0.16	0.04

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	0.43	0.40	0.42	0.42	0.39	0.34	0.25	0.24	0.14	0.04
42.5	0.56	0.50	0.52	0.52	0.49	0.43	0.32	0.30	0.18	0.05
37.5	0.67	0.59	0.59	0.57	0.52	0.46	0.34	0.32	0.19	0.05
33	0.80	0.68	0.66	0.61	0.54	0.47	0.35	0.33	0.19	0.05
29	0.91	0.76	0.71	0.64	0.54	0.45	0.34	0.32	0.19	0.05
25.5	0.96	0.79	0.73	0.64	0.53	0.43	0.31	0.30	0.17	0.05
22.5	1.17	0.94	0.86	0.73	0.59	0.46	0.33	0.31	0.18	0.05
19.5	1.17	0.91	0.82	0.68	0.54	0.41	0.29	0.27	0.16	0.04
17	1.08	0.82	0.72	0.59	0.46	0.35	0.24	0.23	0.13	0.03
15	1.23	0.92	0.79	0.64	0.49	0.36	0.25	0.23	0.14	0.04
13	1.38	1.00	0.85	0.68	0.52	0.38	0.25	0.24	0.14	0.04
11	1.54	1.09	0.91	0.72	0.54	0.39	0.26	0.24	0.14	0.04
9	1.70	1.18	0.96	0.75	0.56	0.40	0.26	0.25	0.15	0.04
7	1.81	1.25	1.00	0.78	0.58	0.41	0.27	0.25	0.15	0.04
5	1.91 *	1.30	1.04	0.80	0.59	0.42	0.27	0.25	0.15	0.04
3	1.98 *	1.33	1.06	0.81	0.59	0.42	0.27	0.25	0.15	0.04
1	1.01 *	0.67	0.53	0.41	0.30	0.21	0.14	0.13	0.08	0.02
0	1.01 *	0.67	0.53	0.41	0.30	0.21	0.14	0.13	0.08	0.02
-1	1.98 *	1.33	1.06	0.81	0.59	0.42	0.27	0.25	0.15	0.04
-3	1.91 *	1.30	1.04	0.80	0.59	0.42	0.27	0.25	0.15	0.04
-5	1.81	1.25	1.00	0.78	0.58	0.41	0.27	0.25	0.15	0.04
-7	1.70	1.18	0.96	0.75	0.56	0.40	0.26	0.25	0.15	0.04
-9	1.54	1.09	0.91	0.72	0.54	0.39	0.26	0.24	0.14	0.04
-11	1.38	1.00	0.85	0.68	0.52	0.38	0.25	0.24	0.14	0.04
-13	1.23	0.92	0.79	0.64	0.49	0.36	0.25	0.23	0.14	0.04
-15	1.08	0.82	0.72	0.59	0.46	0.35	0.24	0.23	0.13	0.03
-17	1.17	0.91	0.82	0.68	0.54	0.41	0.29	0.27	0.16	0.04
-19.5	1.17	0.94	0.86	0.73	0.59	0.46	0.33	0.31	0.18	0.05

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	0.96	0.79	0.73	0.64	0.53	0.43	0.31	0.30	0.17	0.05
-25.5	0.91	0.76	0.71	0.64	0.54	0.45	0.34	0.32	0.19	0.05
-29	0.80	0.68	0.66	0.61	0.54	0.47	0.35	0.33	0.19	0.05
-33	0.67	0.59	0.59	0.57	0.52	0.46	0.34	0.32	0.19	0.05
-37.5	0.56	0.50	0.52	0.52	0.49	0.43	0.32	0.30	0.18	0.05
-42.5	0.43	0.40	0.42	0.42	0.39	0.34	0.25	0.24	0.14	0.04
-47.5	0.47	0.43	0.45	0.45	0.42	0.37	0.27	0.26	0.16	0.04
-55	0.34	0.31	0.33	0.33	0.31	0.27	0.21	0.20	0.12	0.03
-65	0.13	0.12	0.13	0.13	0.12	0.10	0.08	0.08	0.05	0.02
-75	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	42.55	32.03	28.22	23.82	19.29	15.10	10.59	9.99	5.95	1.60

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.03	
85				
	0.00	0.00	0.48	
75				
	0.00	0.00	1.99	
65				
	0.00	0.00	5.15	
55				
	0.00	0.00	6.98	
47.5				
	0.00	0.00	6.56	
42.5				
	0.01	0.00	8.76	
37.5				
	0.01	0.00	10.82	
33				
	0.01	0.00	12.93	
29				
	0.01	0.00	14.76	
25.5				
	0.01	0.00	16.27	
22.5				
	0.01	0.00	21.35	
19.5				
	0.01	0.00	23.27	
17				
	0.00	0.00	23.34	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-NFL25.IES

LUMENS TABULATION - (Cont.)

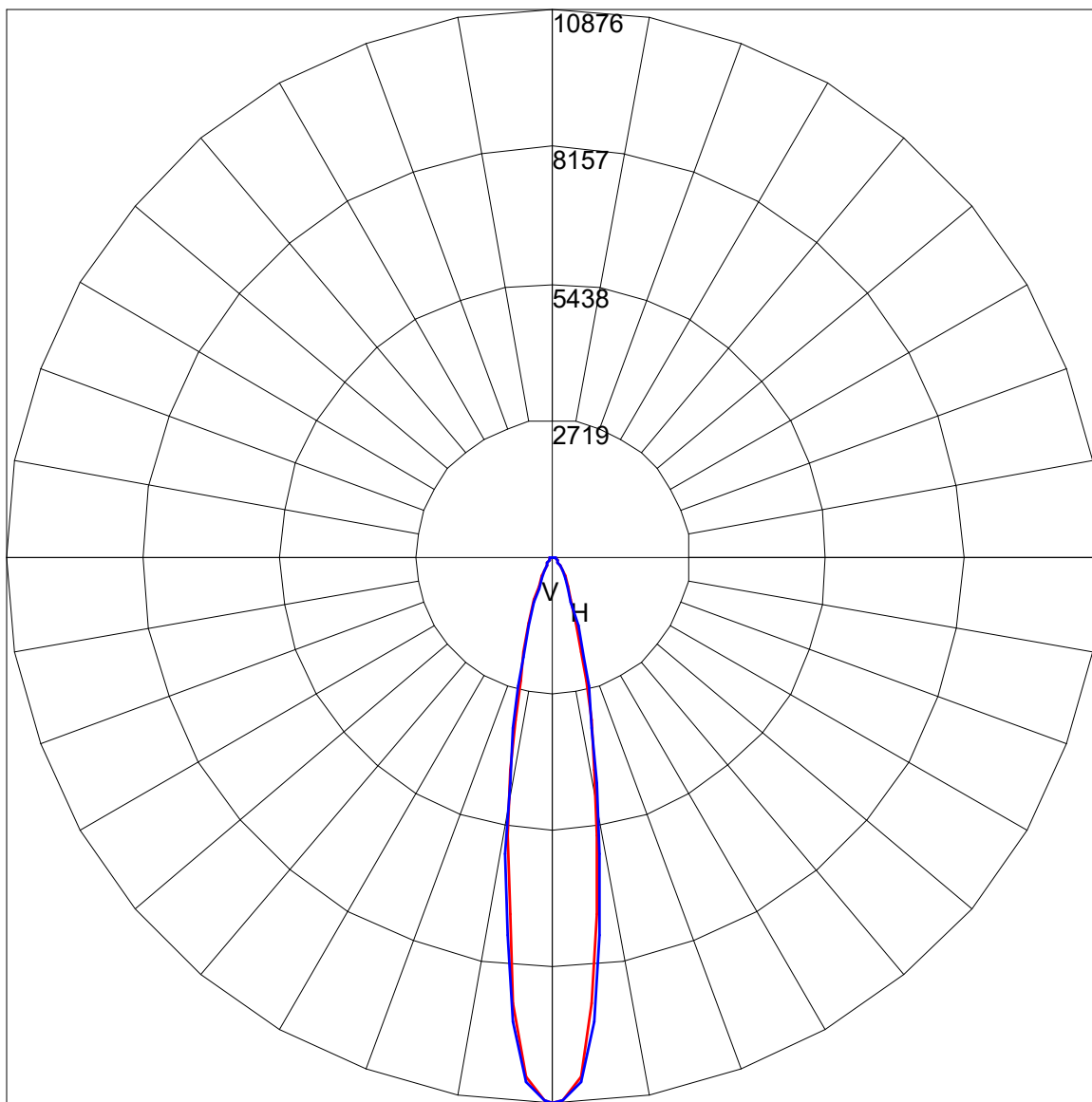
15	0.00	0.00	28.63
13	0.00	0.00	35.04
11	0.00	0.00	42.64
9	0.00	0.00	51.31
7	0.00	0.00	60.26
5	0.00	0.00	67.93
3	0.00	0.00	72.98
1	0.00	0.00	37.39
0	0.00	0.00	37.39
-1	0.00	0.00	72.98
-3	0.00	0.00	67.93
-5	0.00	0.00	60.26
-7	0.00	0.00	51.31
-9	0.00	0.00	42.64
-11	0.00	0.00	35.04
-13	0.00	0.00	28.63
-15	0.00	0.00	23.34
-17	0.01	0.00	23.27
-19.5	0.01	0.00	21.35
-22.5	0.01	0.00	16.27
-25.5	0.01	0.00	14.76
-29	0.01	0.00	12.93
-33	0.01	0.00	10.82
-37.5	0.01	0.00	8.76
-42.5	0.00	0.00	6.56
-47.5	0.00	0.00	6.98
-55	0.00	0.00	5.15
-65	0.00	0.00	1.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : XIG-B-LED-19-350-4070-UE-NFL25.IES

LUMENS TABULATION - (Cont.)

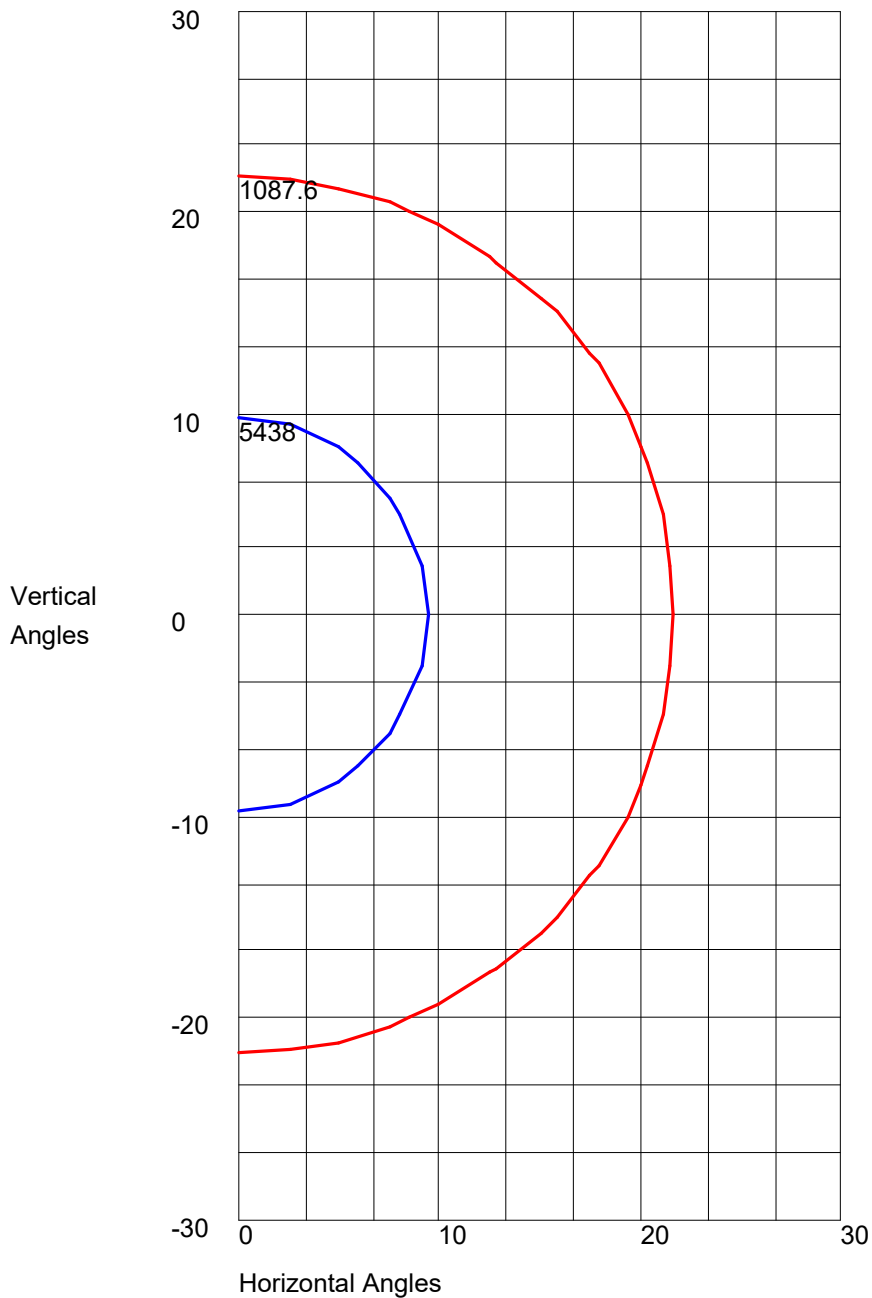
-75	0.00	0.00	0.48
-85	0.00	0.00	0.03
-90			
Total	0.20	0.00	1097.71

AXIAL CANDELA DISPLAY



Maximum Candela = 10876 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 10876 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 5438
10% Maximum Candela = 1087.6