



8165 E. Kaiser Blvd. Anaheim, CA 92808  
 www.lightlaboratory.com

# Photometric Test Report

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L061805914.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L061805914  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 7/10/2018  
 [MANUFAC] USTE, dba Vista Professional Outdoor Lighting  
 [LUMCAT] 1059-X-VNS-30-B-MV-ND-LSF  
 [LUMINAIRE] LED Floodlight, VNS Distribution, Linear Spread Filter  
 [BALLASTCAT] THOMAS RESEARCH PRODUCTS PLED96W-054-C1750-D(1400mA)  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [TEST CONDITION] CANDELA VALUES AND ELECTRICALS ARE GENERATED FROM LIGHT LABORATORY  
 [MORE] REPORT L061805913 BY USING DRIVER OUTPUT CURRENT RATIO OF 0.8.  
 [INPUT] 120VAC, 59.07W  
 [TEST PROCEDURE] IESNA:LM-79-08

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

**CHARACTERISTICS**

NEMA Type	3 H x 4 V
Maximum Candela	7919
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	13.8
Vertical Beam Angle (50%)	34.6
Horizontal Field Angle (10%)	29.8
Vertical Field Angle (10%)	65.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	662
Beam Efficiency	N.A.
Field Lumens	1312
Field Efficiency	N.A.
Spill Lumens	409
Luminaire Lumens	1720
Total Efficiency	N.A.
Total Luminaire Watts	59.07
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	1
75	4	75	87
65	15	65	207
55	19	55	192
47.5	22	47.5	200
42.5	27	42.5	262
37.5	40	37.5	430
33	60	33	747
29	89	29	1202
25.5	132	25.5	1838
22.5	194	22.5	2481
19.5	318	19.5	3339
17	510	17	4046
15	770	15	4645
13	1179	13	5254
11	1807	11	5869
9	2667	9	6447
7	3874	7	6975
5	5298	5	7390
3	6703	3	7712
1	7681	1	7898
0	7919	0	7919
-1	7681	-1	7898
-3	6703	-3	7712
-5	5298	-5	7390
-7	3874	-7	6975
-9	2667	-9	6447
-11	1807	-11	5869
-13	1179	-13	5254
-15	770	-15	4645
-17	510	-17	4046
-19.5	318	-19.5	3339
-22.5	194	-22.5	2481
-25.5	132	-25.5	1838
-29	89	-29	1202
-33	60	-33	747
-37.5	40	-37.5	430
-42.5	27	-42.5	262
-47.5	22	-47.5	200
-55	19	-55	192
-65	15	-65	207
-75	4	-75	87
-85	0	-85	1
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 7919  
 Beam Edge = 3959.5 Cd (50% of Max.)  
 Field Edge = 791.9 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	1	1	1	1
75.0	0	0	0	0	1	2	3	4	5	8
65.0	0	0	0	1	4	7	10	13	19	26
55.0	0	0	1	3	9	14	19	24	32	41
47.5	0	0	1	6	12	18	23	28	36	44
42.5	0	0	2	8	14	21	24	29	36	43
37.5	0	0	2	10	16	21	25	29	37	45
33.0	0	0	3	11	17	22	25	30	38	48
29.0	0	0	3	11	18	22	25	31	40	51
25.5	0	0	3	12	18	22	25	31	42	58
22.5	0	0	3	12	19	21	25	33	44	61
19.5	0	0	3	13	19	22	25	34	48	66
17.0	0	0	4	13	19	22	25	34	50	72
15.0	0	0	4	13	19	22	26	35	51	75
13.0	0	0	4	13	19	22	26	36	52	78
11.0	0	0	4	14	19	22	27	37	54	80
9.0	0	0	4	14	19	22	27	38	56	82
7.0	0	0	4	14	19	22	27	39	58	84
5.0	0	0	4	14	19	21	27	40	60	87
3.0	0	0	4	15	19	21	27	40	60	88
1.0	0	0	4	15	19	21	27	40	61	89
0.0	0	0	4	15	19	22	27	40	60	89
-1.0	0	0	4	15	19	21	27	40	61	89
-3.0	0	0	4	15	19	21	27	40	60	88
-5.0	0	0	4	14	19	21	27	40	60	87
-7.0	0	0	4	14	19	22	27	39	58	84
-9.0	0	0	4	14	19	22	27	38	56	82
-11.0	0	0	4	14	19	22	27	37	54	80
-13.0	0	0	4	13	19	22	26	36	52	78
-15.0	0	0	4	13	19	22	26	35	51	75
-17.0	0	0	4	13	19	22	25	34	50	72
-19.5	0	0	3	13	19	22	25	34	48	66
-22.5	0	0	3	12	19	21	25	33	44	61
-25.5	0	0	3	12	18	22	25	31	42	58
-29.0	0	0	3	11	18	22	25	31	40	51
-33.0	0	0	3	11	17	22	25	30	38	48
-37.5	0	0	2	10	16	21	25	29	37	45
-42.5	0	0	2	8	14	21	24	29	36	43
-47.5	0	0	1	6	12	18	23	28	36	44
-55.0	0	0	1	3	9	14	19	24	32	41
-65.0	0	0	0	1	4	7	10	13	19	26
-75.0	0	0	0	0	1	2	3	4	5	8
-85.0	0	0	0	0	0	0	1	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	11	16	22	30	37	45	54	62	70	79
65.0	35	45	61	77	92	109	129	149	167	185
55.0	50	61	74	86	99	113	127	142	157	172
47.5	52	62	74	87	98	112	127	143	160	176
42.5	52	63	76	91	107	126	148	174	201	226
37.5	55	68	86	108	130	164	207	255	309	359
33.0	60	78	106	140	178	227	301	397	501	605
29.0	69	90	128	187	252	337	453	592	761	950 *
25.5	76	108	159	222	314	442	610	851 *	1133 *	1424 *
22.5	87	122	180	270	383	558	796 *	1129 *	1524 *	1928 *
19.5	96	133	205	317	459	667	972 *	1414 *	1936 *	2404 *
17.0	101	145	227	368	526	770	1124 *	1646 *	2262 *	2917 *
15.0	106	156	247	398	580	837 *	1258 *	1835 *	2564 *	3328 *
13.0	111	165	262	417	602	908 *	1374 *	2014 *	2858 *	3782 *
11.0	116	172	273	435	644	983 *	1478 *	2177 *	3140 *	4210 *
9.0	122	181	291	465	684	1034 *	1570 *	2365 *	3380 *	4577 *
7.0	127	188	301	478	718	1096 *	1670 *	2503 *	3587 *	4872 *
5.0	129	192	305	492	735	1120 *	1727 *	2590 *	3735 *	5140 *
3.0	131	194	313	504	760	1162 *	1775 *	2648 *	3837 *	5238 *
1.0	132	195	318	511	771	1179 *	1806 *	2696 *	3922 *	5362 *
0.0	132	194	318	510	770	1179 *	1807 *	2667 *	3874 *	5298 *
-1.0	132	195	318	511	771	1179 *	1806 *	2696 *	3922 *	5362 *
-3.0	131	194	313	504	760	1162 *	1775 *	2648 *	3837 *	5238 *
-5.0	129	192	305	492	735	1120 *	1727 *	2590 *	3735 *	5140 *
-7.0	127	188	301	478	718	1096 *	1670 *	2503 *	3587 *	4872 *
-9.0	122	181	291	465	684	1034 *	1570 *	2365 *	3380 *	4577 *
-11.0	116	172	273	435	644	983 *	1478 *	2177 *	3140 *	4210 *
-13.0	111	165	262	417	602	908 *	1374 *	2014 *	2858 *	3782 *
-15.0	106	156	247	398	580	837 *	1258 *	1835 *	2564 *	3328 *
-17.0	101	145	227	368	526	770	1124 *	1646 *	2262 *	2917 *
-19.5	96	133	205	317	459	667	972 *	1414 *	1936 *	2404 *
-22.5	87	122	180	270	383	558	796 *	1129 *	1524 *	1928 *
-25.5	76	108	159	222	314	442	610	851 *	1133 *	1424 *
-29.0	69	90	128	187	252	337	453	592	761	950 *
-33.0	60	78	106	140	178	227	301	397	501	605
-37.5	55	68	86	108	130	164	207	255	309	359
-42.5	52	63	76	91	107	126	148	174	201	226
-47.5	52	62	74	87	98	112	127	143	160	176
-55.0	50	61	74	86	99	113	127	142	157	172
-65.0	35	45	61	77	92	109	129	149	167	185
-75.0	11	16	22	30	37	45	54	62	70	79
-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	83	86	87	86	83	79	70	62	54	45
65.0	196	203	207	203	196	185	167	149	129	109

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**CANDELA TABULATION - (Cont.)**

55.0	182	189	192	189	182	172	157	142	127	113
47.5	189	196	200	196	189	176	160	143	127	112
42.5	248	258	262	258	248	226	201	174	148	126
37.5	404	422	430	422	404	359	309	255	207	164
33.0	692	733	747	733	692	605	501	397	301	227
29.0	1098 *	1179 *	1202 *	1179 *	1098 *	950 *	761	592	453	337
25.5	1665 *	1803 *	1838 *	1803 *	1665 *	1424 *	1133 *	851 *	610	442
22.5	2266 *	2459 *	2481 *	2459 *	2266 *	1928 *	1524 *	1129 *	796 *	558
19.5	2930 *	3277 *	3339 *	3277 *	2930 *	2404 *	1936 *	1414 *	972 *	667
17.0	3627 *	3980 *	4046 *	3980 *	3627 *	2917 *	2262 *	1646 *	1124 *	770
15.0	4133 *	4570 *	4645 *	4570 *	4133 *	3328 *	2564 *	1835 *	1258 *	837 *
13.0	4654 *	5171 *	5254 *	5171 *	4654 *	3782 *	2858 *	2014 *	1374 *	908 *
11.0	5182 *	5778 *	5869 *	5778 *	5182 *	4210 *	3140 *	2177 *	1478 *	983 *
9.0	5669 *	6373 *	6447 *	6373 *	5669 *	4577 *	3380 *	2365 *	1570 *	1034 *
7.0	6086 *	6877 *	6975 *	6877 *	6086 *	4872 *	3587 *	2503 *	1670 *	1096 *
5.0	6410 *	7291 *	7390 *	7291 *	6410 *	5140 *	3735 *	2590 *	1727 *	1120 *
3.0	6617 *	7567 *	7712 *	7567 *	6617 *	5238 *	3837 *	2648 *	1775 *	1162 *
1.0	6691 *	7681 *	7898 *	7681 *	6691 *	5362 *	3922 *	2696 *	1806 *	1179 *
0.0	6703 *	7681 *	7919 *	7681 *	6703 *	5298 *	3874 *	2667 *	1807 *	1179 *
-1.0	6691 *	7681 *	7898 *	7681 *	6691 *	5362 *	3922 *	2696 *	1806 *	1179 *
-3.0	6617 *	7567 *	7712 *	7567 *	6617 *	5238 *	3837 *	2648 *	1775 *	1162 *
-5.0	6410 *	7291 *	7390 *	7291 *	6410 *	5140 *	3735 *	2590 *	1727 *	1120 *
-7.0	6086 *	6877 *	6975 *	6877 *	6086 *	4872 *	3587 *	2503 *	1670 *	1096 *
-9.0	5669 *	6373 *	6447 *	6373 *	5669 *	4577 *	3380 *	2365 *	1570 *	1034 *
-11.0	5182 *	5778 *	5869 *	5778 *	5182 *	4210 *	3140 *	2177 *	1478 *	983 *
-13.0	4654 *	5171 *	5254 *	5171 *	4654 *	3782 *	2858 *	2014 *	1374 *	908 *
-15.0	4133 *	4570 *	4645 *	4570 *	4133 *	3328 *	2564 *	1835 *	1258 *	837 *
-17.0	3627 *	3980 *	4046 *	3980 *	3627 *	2917 *	2262 *	1646 *	1124 *	770
-19.5	2930 *	3277 *	3339 *	3277 *	2930 *	2404 *	1936 *	1414 *	972 *	667
-22.5	2266 *	2459 *	2481 *	2459 *	2266 *	1928 *	1524 *	1129 *	796 *	558
-25.5	1665 *	1803 *	1838 *	1803 *	1665 *	1424 *	1133 *	851 *	610	442
-29.0	1098 *	1179 *	1202 *	1179 *	1098 *	950 *	761	592	453	337
-33.0	692	733	747	733	692	605	501	397	301	227
-37.5	404	422	430	422	404	359	309	255	207	164
-42.5	248	258	262	258	248	226	201	174	148	126
-47.5	189	196	200	196	189	176	160	143	127	112
-55.0	182	189	192	189	182	172	157	142	127	113
-65.0	196	203	207	203	196	185	167	149	129	109
-75.0	83	86	87	86	83	79	70	62	54	45
-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>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	1	0
75.0	37	30	22	16	11	8	5	4	3	2
65.0	92	77	61	45	35	26	19	13	10	7
55.0	99	86	74	61	50	41	32	24	19	14
47.5	98	87	74	62	52	44	36	28	23	18
42.5	107	91	76	63	52	43	36	29	24	21
37.5	130	108	86	68	55	45	37	29	25	21
33.0	178	140	106	78	60	48	38	30	25	22
29.0	252	187	128	90	69	51	40	31	25	22
25.5	314	222	159	108	76	58	42	31	25	22

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**CANDELA TABULATION - (Cont.)**

22.5	383	270	180	122	87	61	44	33	25	21
19.5	459	317	205	133	96	66	48	34	25	22
17.0	526	368	227	145	101	72	50	34	25	22
15.0	580	398	247	156	106	75	51	35	26	22
13.0	602	417	262	165	111	78	52	36	26	22
11.0	644	435	273	172	116	80	54	37	27	22
9.0	684	465	291	181	122	82	56	38	27	22
7.0	718	478	301	188	127	84	58	39	27	22
5.0	735	492	305	192	129	87	60	40	27	21
3.0	760	504	313	194	131	88	60	40	27	21
1.0	771	511	318	195	132	89	61	40	27	21
0.0	770	510	318	194	132	89	60	40	27	22
-1.0	771	511	318	195	132	89	61	40	27	21
-3.0	760	504	313	194	131	88	60	40	27	21
-5.0	735	492	305	192	129	87	60	40	27	21
-7.0	718	478	301	188	127	84	58	39	27	22
-9.0	684	465	291	181	122	82	56	38	27	22
-11.0	644	435	273	172	116	80	54	37	27	22
-13.0	602	417	262	165	111	78	52	36	26	22
-15.0	580	398	247	156	106	75	51	35	26	22
-17.0	526	368	227	145	101	72	50	34	25	22
-19.5	459	317	205	133	96	66	48	34	25	22
-22.5	383	270	180	122	87	61	44	33	25	21
-25.5	314	222	159	108	76	58	42	31	25	22
-29.0	252	187	128	90	69	51	40	31	25	22
-33.0	178	140	106	78	60	48	38	30	25	22
-37.5	130	108	86	68	55	45	37	29	25	21
-42.5	107	91	76	63	52	43	36	29	24	21
-47.5	98	87	74	62	52	44	36	28	23	18
-55.0	99	86	74	61	50	41	32	24	19	14
-65.0	92	77	61	45	35	26	19	13	10	7
-75.0	37	30	22	16	11	8	5	4	3	2
-85.0	1	1	1	1	1	1	1	1	1	0
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. 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	0	0	0	0
65.0	4	1	0	0	0
55.0	9	3	1	0	0
47.5	12	6	1	0	0
42.5	14	8	2	0	0
37.5	16	10	2	0	0
33.0	17	11	3	0	0
29.0	18	11	3	0	0
25.5	18	12	3	0	0
22.5	19	12	3	0	0
19.5	19	13	3	0	0
17.0	19	13	4	0	0
15.0	19	13	4	0	0
13.0	19	13	4	0	0
11.0	19	14	4	0	0
9.0	19	14	4	0	0

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CANDELA TABULATION - (Cont.)

7.0	19	14	4	0	0
5.0	19	14	4	0	0
3.0	19	15	4	0	0
1.0	19	15	4	0	0
0.0	19	15	4	0	0
-1.0	19	15	4	0	0
-3.0	19	15	4	0	0
-5.0	19	14	4	0	0
-7.0	19	14	4	0	0
-9.0	19	14	4	0	0
-11.0	19	14	4	0	0
-13.0	19	13	4	0	0
-15.0	19	13	4	0	0
-17.0	19	13	4	0	0
-19.5	19	13	3	0	0
-22.5	19	12	3	0	0
-25.5	18	12	3	0	0
-29.0	18	11	3	0	0
-33.0	17	11	3	0	0
-37.5	16	10	2	0	0
-42.5	14	8	2	0	0
-47.5	12	6	1	0	0
-55.0	9	3	1	0	0
-65.0	4	1	0	0	0
-75.0	1	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

**IES FLOOD REPORT**  
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**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Luminaire Lumens (one side of beam only) = 860.16  
 Total Field Lumens (one side of beam only) = 655.87  
 \* 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.13	0.26	0.25	0.23	0.20	0.18	0.15	0.12	0.10	0.10
75	0.44	0.86	0.82	0.76	0.68	0.59	0.50	0.42	0.35	0.34
65	0.60	1.17	1.12	1.03	0.93	0.82	0.71	0.61	0.52	0.54
55	0.44	0.86	0.82	0.76	0.68	0.61	0.54	0.47	0.41	0.44
47.5	0.35	0.68	0.64	0.58	0.51	0.44	0.38	0.33	0.28	0.30
42.5	0.52	1.01	0.94	0.83	0.71	0.59	0.48	0.39	0.32	0.33
37.5	0.80	1.54	1.41	1.21	0.99	0.78	0.60	0.46	0.37	0.36
33	1.18 *	2.25 *	2.03 *	1.71	1.36	1.05	0.79	0.59	0.44	0.41
29	1.61 *	3.06 *	2.73 *	2.26 *	1.76 *	1.32	0.96	0.70	0.50	0.44
25.5	1.96 *	3.74 *	3.32 *	2.73 *	2.10 *	1.52 *	1.08	0.75	0.52	0.45
22.5	2.64 *	4.99 *	4.34 *	3.54 *	2.72 *	1.94 *	1.34	0.92	0.63	0.53
19.5	2.79 *	5.26 *	4.51 *	3.60 *	2.74 *	1.93 *	1.32 *	0.89	0.61	0.50
17	2.63 *	4.97 *	4.26 *	3.35 *	2.51 *	1.76 *	1.19 *	0.80	0.55	0.45
15	2.99 *	5.64 *	4.83 *	3.80 *	2.80 *	1.94 *	1.30 *	0.87	0.58	0.48
13	3.36 *	6.33 *	5.42 *	4.24 *	3.07 *	2.11 *	1.41 *	0.93	0.61	0.50
11	3.73 *	7.00 *	5.97 *	4.64 *	3.34 *	2.28 *	1.51 *	0.99 *	0.65	0.53
9	4.06 *	7.61 *	6.44 *	4.97 *	3.57 *	2.43 *	1.60 *	1.04 *	0.69	0.56
7	4.35 *	8.12 *	6.84 *	5.25 *	3.74 *	2.55 *	1.67 *	1.08 *	0.71	0.57
5	4.56 *	8.49 *	7.11 *	5.44 *	3.86 *	2.62 *	1.72 *	1.12 *	0.73	0.58
3	4.70 *	8.69 *	7.26 *	5.56 *	3.95 *	2.68 *	1.76 *	1.14 *	0.75	0.60
1	2.37 *	4.38 *	3.65 *	2.80 *	1.98 *	1.35 *	0.89 *	0.58 *	0.38	0.30
0	2.37 *	4.38 *	3.65 *	2.80 *	1.98 *	1.35 *	0.89 *	0.58 *	0.38	0.30
-1	4.70 *	8.69 *	7.26 *	5.56 *	3.95 *	2.68 *	1.76 *	1.14 *	0.75	0.60
-3	4.56 *	8.49 *	7.11 *	5.44 *	3.86 *	2.62 *	1.72 *	1.12 *	0.73	0.58



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L061805914.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	4.35 *	8.12 *	6.84 *	5.25 *	3.74 *	2.55 *	1.67 *	1.08 *	0.71	0.57
<b>-7</b>	4.06 *	7.61 *	6.44 *	4.97 *	3.57 *	2.43 *	1.60 *	1.04 *	0.69	0.56
<b>-9</b>	3.73 *	7.00 *	5.97 *	4.64 *	3.34 *	2.28 *	1.51 *	0.99 *	0.65	0.53
<b>-11</b>	3.36 *	6.33 *	5.42 *	4.24 *	3.07 *	2.11 *	1.41 *	0.93	0.61	0.50
<b>-13</b>	2.99 *	5.64 *	4.83 *	3.80 *	2.80 *	1.94 *	1.30 *	0.87	0.58	0.48
<b>-15</b>	2.63 *	4.97 *	4.26 *	3.35 *	2.51 *	1.76 *	1.19 *	0.80	0.55	0.45
<b>-17</b>	2.79 *	5.26 *	4.51 *	3.60 *	2.74 *	1.93 *	1.32 *	0.89	0.61	0.50
<b>-19.5</b>	2.64 *	4.99 *	4.34 *	3.54 *	2.72 *	1.94 *	1.34	0.92	0.63	0.53
<b>-22.5</b>	1.96 *	3.74 *	3.32 *	2.73 *	2.10 *	1.52 *	1.08	0.75	0.52	0.45
<b>-25.5</b>	1.61 *	3.06 *	2.73 *	2.26 *	1.76 *	1.32	0.96	0.70	0.50	0.44
<b>-29</b>	1.18 *	2.25 *	2.03 *	1.71	1.36	1.05	0.79	0.59	0.44	0.41
<b>-33</b>	0.80	1.54	1.41	1.21	0.99	0.78	0.60	0.46	0.37	0.36
<b>-37.5</b>	0.52	1.01	0.94	0.83	0.71	0.59	0.48	0.39	0.32	0.33
<b>-42.5</b>	0.35	0.68	0.64	0.58	0.51	0.44	0.38	0.33	0.28	0.30
<b>-47.5</b>	0.44	0.86	0.82	0.76	0.68	0.61	0.54	0.47	0.41	0.44
<b>-55</b>	0.60	1.17	1.12	1.03	0.93	0.82	0.71	0.61	0.52	0.54
<b>-65</b>	0.44	0.86	0.82	0.76	0.68	0.59	0.50	0.42	0.35	0.34
<b>-75</b>	0.13	0.26	0.25	0.23	0.20	0.18	0.15	0.12	0.10	0.10
<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>	92.43	173.84	149.44	118.56	88.40	62.97	43.81	30.40	21.38	18.58

**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>	0.09	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00	0.00
<b>75</b>	0.31	0.22	0.19	0.15	0.11	0.09	0.06	0.05	0.02	0.00
<b>65</b>	0.51	0.40	0.36	0.31	0.25	0.19	0.13	0.12	0.06	0.01
<b>55</b>	0.43	0.35	0.33	0.30	0.25	0.21	0.15	0.14	0.09	0.02
<b>47.5</b>	0.29	0.24	0.23	0.21	0.18	0.15	0.12	0.12	0.08	0.02

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L061805914.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>										
	0.31	0.25	0.23	0.21	0.18	0.16	0.12	0.13	0.09	0.03
<b>37.5</b>										
	0.32	0.25	0.22	0.20	0.17	0.14	0.11	0.12	0.09	0.03
<b>33</b>										
	0.34	0.25	0.22	0.18	0.16	0.13	0.10	0.11	0.09	0.03
<b>29</b>										
	0.36	0.25	0.21	0.17	0.14	0.11	0.09	0.10	0.08	0.03
<b>25.5</b>										
	0.36	0.25	0.20	0.16	0.13	0.10	0.08	0.09	0.07	0.02
<b>22.5</b>										
	0.41	0.27	0.22	0.17	0.13	0.10	0.08	0.09	0.07	0.02
<b>19.5</b>										
	0.38	0.25	0.20	0.15	0.12	0.09	0.06	0.07	0.06	0.02
<b>17</b>										
	0.33	0.21	0.17	0.13	0.10	0.07	0.05	0.06	0.05	0.02
<b>15</b>										
	0.35	0.22	0.18	0.13	0.10	0.07	0.05	0.06	0.05	0.02
<b>13</b>										
	0.37	0.24	0.18	0.14	0.10	0.07	0.05	0.06	0.05	0.02
<b>11</b>										
	0.39	0.25	0.19	0.14	0.10	0.08	0.05	0.06	0.05	0.02
<b>9</b>										
	0.41	0.26	0.20	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>7</b>										
	0.42	0.27	0.20	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>5</b>										
	0.43	0.27	0.21	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>3</b>										
	0.44	0.27	0.21	0.16	0.11	0.08	0.05	0.06	0.05	0.02
<b>1</b>										
	0.22	0.14	0.10	0.08	0.06	0.04	0.03	0.03	0.03	0.01
<b>0</b>										
	0.22	0.14	0.10	0.08	0.06	0.04	0.03	0.03	0.03	0.01
<b>-1</b>										
	0.44	0.27	0.21	0.16	0.11	0.08	0.05	0.06	0.05	0.02
<b>-3</b>										
	0.43	0.27	0.21	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>-5</b>										
	0.42	0.27	0.20	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>-7</b>										
	0.41	0.26	0.20	0.15	0.11	0.08	0.05	0.06	0.05	0.02
<b>-9</b>										
	0.39	0.25	0.19	0.14	0.10	0.08	0.05	0.06	0.05	0.02
<b>-11</b>										
	0.37	0.24	0.18	0.14	0.10	0.07	0.05	0.06	0.05	0.02
<b>-13</b>										
	0.35	0.22	0.18	0.13	0.10	0.07	0.05	0.06	0.05	0.02
<b>-15</b>										
	0.33	0.21	0.17	0.13	0.10	0.07	0.05	0.06	0.05	0.02
<b>-17</b>										
	0.38	0.25	0.20	0.15	0.12	0.09	0.06	0.07	0.06	0.02
<b>-19.5</b>										
	0.41	0.27	0.22	0.17	0.13	0.10	0.08	0.09	0.07	0.02
<b>-22.5</b>										
	0.36	0.25	0.20	0.16	0.13	0.10	0.08	0.09	0.07	0.02

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	0.36	0.25	0.21	0.17	0.14	0.11	0.09	0.10	0.08	0.03
<b>-29</b>	0.34	0.25	0.22	0.18	0.16	0.13	0.10	0.11	0.09	0.03
<b>-33</b>	0.32	0.25	0.22	0.20	0.17	0.14	0.11	0.12	0.09	0.03
<b>-37.5</b>	0.31	0.25	0.23	0.21	0.18	0.16	0.12	0.13	0.09	0.03
<b>-42.5</b>	0.29	0.24	0.23	0.21	0.18	0.15	0.12	0.12	0.08	0.02
<b>-47.5</b>	0.43	0.35	0.33	0.30	0.25	0.21	0.15	0.14	0.09	0.02
<b>-55</b>	0.51	0.40	0.36	0.31	0.25	0.19	0.13	0.12	0.06	0.01
<b>-65</b>	0.31	0.22	0.19	0.15	0.11	0.09	0.06	0.05	0.02	0.00
<b>-75</b>	0.09	0.06	0.05	0.04	0.03	0.03	0.02	0.01	0.00	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>	14.98	10.31	8.58	6.98	5.49	4.27	3.11	3.29	2.46	0.80

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	0.00	0.00	0.03	
<b>85</b>	0.00	0.00	2.05	
<b>75</b>	0.00	0.00	6.98	
<b>65</b>	0.00	0.00	10.40	
<b>55</b>	0.00	0.00	8.29	
<b>47.5</b>	0.00	0.00	6.11	
<b>42.5</b>	0.00	0.00	7.83	
<b>37.5</b>	0.00	0.00	10.19	
<b>33</b>	0.00	0.00	13.41	
<b>29</b>	0.00	0.00	16.88	
<b>25.5</b>	0.00	0.00	19.63	
<b>22.5</b>	0.00	0.00	25.15	
<b>19.5</b>	0.00	0.00	25.56	
<b>17</b>	0.00	0.00	23.63	
<b>15</b>	0.00	0.00	26.47	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L061805914.IES**

**LUMENS TABULATION - (Cont.)**

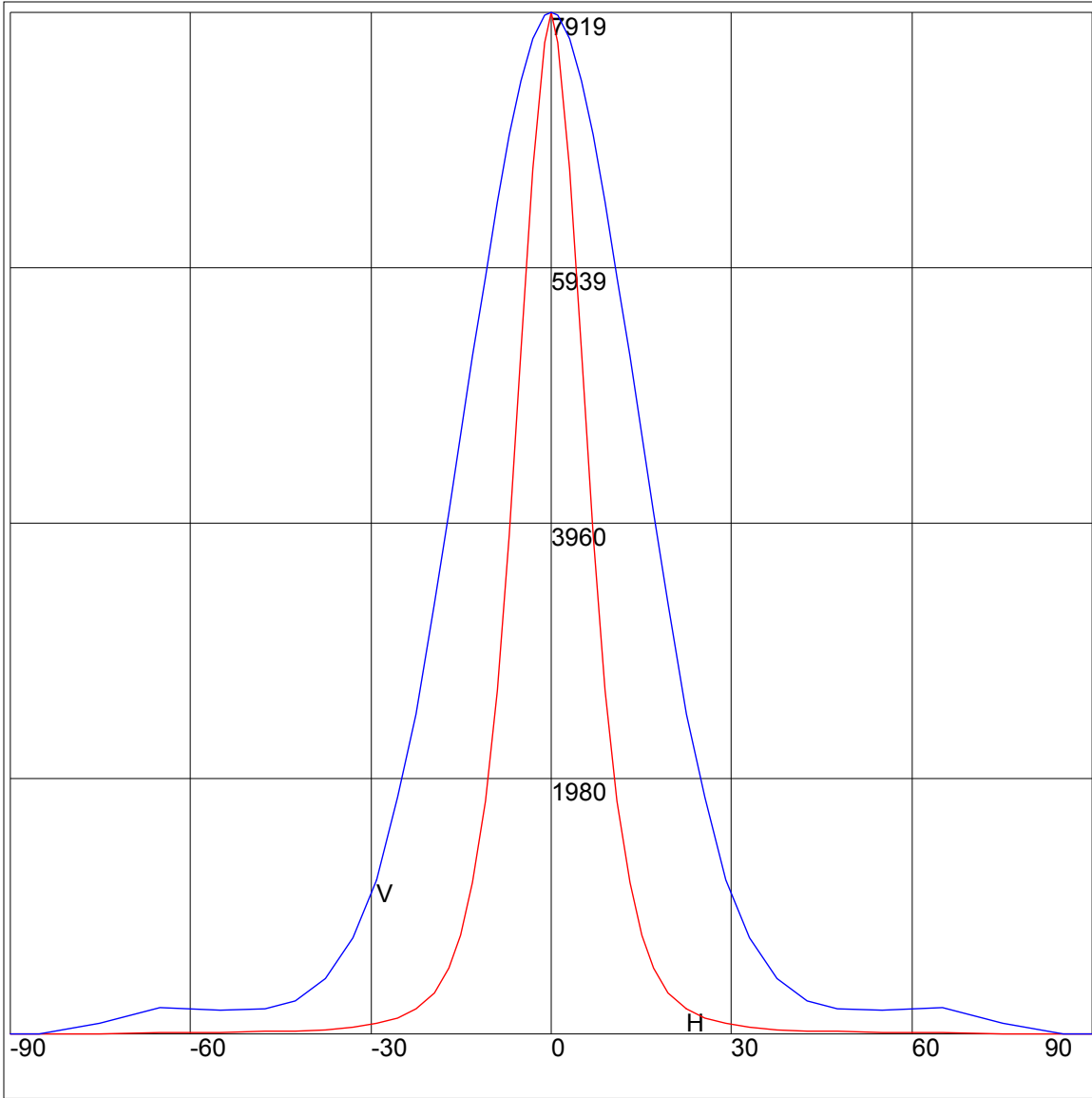
<b>13</b>	0.00	0.00	29.27
<b>11</b>	0.00	0.00	31.96
<b>9</b>	0.00	0.00	34.35
<b>7</b>	0.00	0.00	36.29
<b>5</b>	0.00	0.00	37.67
<b>3</b>	0.00	0.00	38.54
<b>1</b>	0.00	0.00	19.40
<b>0</b>	0.00	0.00	19.40
<b>-1</b>	0.00	0.00	38.54
<b>-3</b>	0.00	0.00	37.67
<b>-5</b>	0.00	0.00	36.29
<b>-7</b>	0.00	0.00	34.35
<b>-9</b>	0.00	0.00	31.96
<b>-11</b>	0.00	0.00	29.27
<b>-13</b>	0.00	0.00	26.47
<b>-15</b>	0.00	0.00	23.63
<b>-17</b>	0.00	0.00	25.56
<b>-19.5</b>	0.00	0.00	25.15
<b>-22.5</b>	0.00	0.00	19.63
<b>-25.5</b>	0.00	0.00	16.88
<b>-29</b>	0.00	0.00	13.41
<b>-33</b>	0.00	0.00	10.19
<b>-37.5</b>	0.00	0.00	7.83
<b>-42.5</b>	0.00	0.00	6.11
<b>-47.5</b>	0.00	0.00	8.29
<b>-55</b>	0.00	0.00	10.40
<b>-65</b>	0.00	0.00	6.98
<b>-75</b>	0.00	0.00	2.05

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L061805914.IES**

**LUMENS TABULATION - (Cont.)**

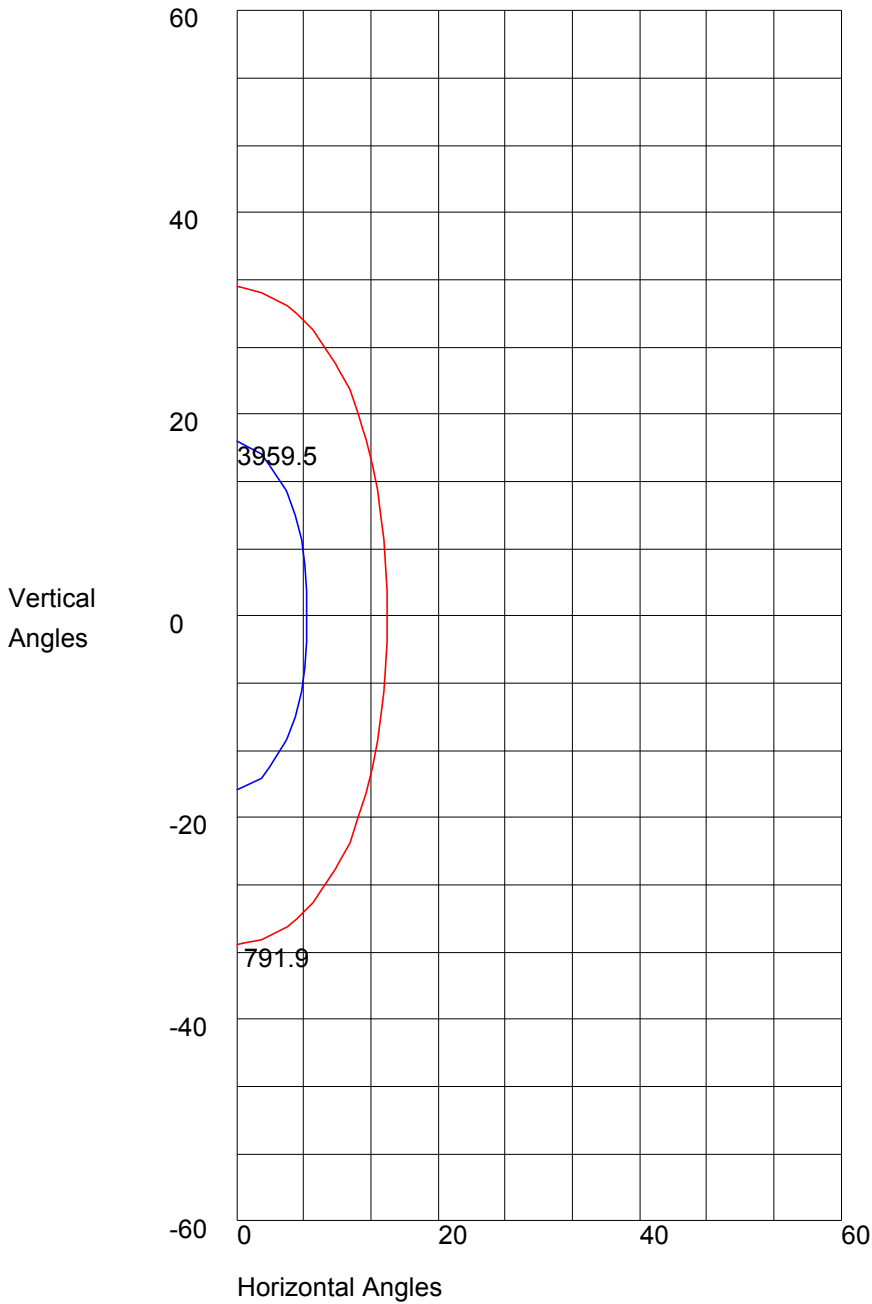
<b>-85</b>	0.00	0.00	0.03
<b>-90</b>			
<b>Total</b>	0.08	0.00	860.16

AXIAL CANDELA DISPLAY



Maximum Candela = 7919 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 7919 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 3959.5  
10% Maximum Candela = 791.9