



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

## Photometric Test Report

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510771.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510771

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUEDATE] 6/10/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1054-AS-RGBW-(B)

[LUMINAIRE] 1054 Asymmetric Blue Output

[BALLASTCAT] ELDOLED PW50U-M4Z0X1

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[MORE] Base file 80239581-47

[INPUT] 120VAC

[TEST PROCEDURE] IESNA:LM-79-19

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

### CHARACTERISTICS

NEMA Type	7 H x 6 V
Maximum Candela	288
Maximum Candela Angle	-15H 29V
Horizontal Beam Angle (50%)	93.9
Vertical Beam Angle (50%)	68.0
Horizontal Field Angle (10%)	138.4
Vertical Field Angle (10%)	103.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	331
Beam Efficiency	N.A.
Field Lumens	458
Field Efficiency	N.A.
Spill Lumens	27
Luminaire Lumens	485
Total Efficiency	N.A.
Total Luminaire Watts	40.06
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	2
75	14	75	22
65	36	65	66
55	68	55	158
47.5	98	47.5	242
42.5	114	42.5	270
37.5	132	37.5	280
33	144	33	282
29	156	29	281
25.5	165	25.5	278
22.5	172	22.5	276
19.5	179	19.5	273
17	183	17	267
15	188	15	262
13	191	13	257
11	194	11	250
9	198	9	243
7	200	7	236
5	202	5	228
3	205	3	220
1	207	1	212
0	208	0	208
-1	209	-1	205
-3	210	-3	198
-5	210	-5	190
-7	212	-7	180
-9	213	-9	167
-11	214	-11	151
-13	214	-13	133
-15	212	-15	114
-17	212	-17	95
-19.5	212	-19.5	72
-22.5	210	-22.5	52
-25.5	207	-25.5	38
-29	202	-29	30
-33	195	-33	23
-37.5	186	-37.5	18
-42.5	172	-42.5	14
-47.5	154	-47.5	10
-55	116	-55	8
-65	58	-65	6
-75	20	-75	4
-85	2	-85	0
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 288

Beam Edge = 144 Cd (50% of Max.)

Field Edge = 28.8 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	1	1	1	1	1
<b>75.0</b>	0	0	1	4	8	12	14	16	18	20
<b>65.0</b>	0	0	3	12	24	34 *	41 *	46 *	52 *	56 *
<b>55.0</b>	0	0	6	23	48 *	68 *	83 *	99 *	113 *	123 *
<b>47.5</b>	0	1	10	33 *	68 *	103 *	129 *	154 *	177 *	194 *
<b>42.5</b>	0	1	12	40 *	84 *	129 *	161 *	192 *	217 *	235 *
<b>37.5</b>	0	1	14	46 *	101 *	155 *	189 *	221 *	243 *	259 *
<b>33.0</b>	0	1	16	52 *	114 *	173 *	208 *	237 *	257 *	267 *
<b>29.0</b>	0	1	18	56 *	123 *	184 *	217 *	242 *	258 *	269 *
<b>25.5</b>	0	2	19	59 *	130 *	191 *	221 *	243 *	258 *	269 *
<b>22.5</b>	0	2	19	61 *	134 *	193 *	221 *	242 *	256 *	267 *
<b>19.5</b>	0	2	20	62 *	136 *	192 *	219 *	239 *	253 *	262 *
<b>17.0</b>	0	2	20	63 *	137 *	191 *	216 *	236 *	249 *	258 *
<b>15.0</b>	0	2	20	63 *	137 *	189 *	213 *	232 *	244 *	254 *
<b>13.0</b>	0	2	20	63 *	136 *	186 *	210 *	227 *	240 *	248 *
<b>11.0</b>	0	2	20	63 *	134 *	183 *	205 *	222 *	234 *	242 *
<b>9.0</b>	0	2	21	63 *	132 *	179 *	201 *	217 *	228 *	236 *
<b>7.0</b>	0	2	20	62 *	130 *	175 *	195 *	210 *	222 *	229 *
<b>5.0</b>	0	2	21	61 *	126 *	169 *	189 *	204 *	214 *	222 *
<b>3.0</b>	0	2	20	60 *	123 *	164 *	182 *	197 *	207 *	214 *
<b>1.0</b>	0	2	20	59 *	118 *	157 *	175 *	190 *	199 *	206 *
<b>0.0</b>	0	2	20	58 *	116 *	154 *	172 *	186 *	195 *	202 *
<b>-1.0</b>	0	2	20	57 *	113 *	150 *	168 *	182 *	191 *	198 *
<b>-3.0</b>	0	2	20	55 *	108 *	143 *	160 *	175 *	183 *	190 *
<b>-5.0</b>	0	2	19	53 *	101 *	135 *	151 *	166 *	174 *	182 *
<b>-7.0</b>	0	2	19	51 *	95 *	126 *	142 *	155 *	164 *	171 *
<b>-9.0</b>	0	2	19	49 *	89 *	117 *	132 *	144 *	152 *	158 *
<b>-11.0</b>	0	2	18	46 *	83 *	108 *	121 *	131 *	139 *	144 *
<b>-13.0</b>	0	1	18	44 *	78 *	98 *	109 *	118 *	123 *	128 *
<b>-15.0</b>	0	1	17	42 *	72 *	88 *	98 *	105 *	109 *	111 *
<b>-17.0</b>	0	1	17	40 *	66 *	79 *	87 *	92 *	95 *	95 *
<b>-19.5</b>	0	1	16	37 *	59 *	69 *	74 *	76 *	78 *	77 *
<b>-22.5</b>	0	1	15	33 *	51 *	58 *	61 *	60 *	60 *	60 *
<b>-25.5</b>	0	1	14	30 *	45 *	49 *	50 *	48 *	47 *	46 *
<b>-29.0</b>	0	1	12	27	37 *	39 *	39 *	38 *	37 *	35 *
<b>-33.0</b>	0	1	11	24	31 *	31 *	30 *	29 *	28	26
<b>-37.5</b>	0	0	9	21	26	25	24	23	22	21
<b>-42.5</b>	0	0	8	17	22	20	19	18	16	16
<b>-47.5</b>	0	0	6	14	17	16	16	14	14	13
<b>-55.0</b>	0	0	4	10	11	12	11	11	11	10
<b>-65.0</b>	0	0	1	4	7	7	8	8	7	7
<b>-75.0</b>	0	0	0	1	3	2	3	3	4	2
<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	2	2	2	2	2	2	2	2	1	0
75.0	21	21	21	22	22	23	23	23	23	22
65.0	59 *	61 *	63 *	64 *	65 *	66 *	66 *	66 *	67 *	67 *
55.0	132 *	139 *	145 *	149 *	152 *	154 *	156 *	157 *	158 *	159 *
47.5	208 *	217 *	225 *	231 *	235 *	239 *	242 *	243 *	244 *	243 *
42.5	248 *	257 *	264 *	269 *	270 *	272 *	274 *	274 *	274 *	274 *
37.5	269 *	275 *	279 *	282 *	284 *	285 *	285 *	285 *	285 *	285 *
33.0	276 *	280 *	284 *	286 *	287 *	288 *	288 *	288 *	287 *	286 *
29.0	276 *	281 *	284 *	287 *	288 *	288 *	288 *	288 *	288 *	286 *
25.5	275 *	279 *	282 *	284 *	286 *	287 *	286 *	286 *	285 *	285 *
22.5	272 *	276 *	280 *	283 *	283 *	284 *	284 *	283 *	282 *	282 *
19.5	268 *	273 *	276 *	279 *	280 *	279 *	280 *	278 *	278 *	278 *
17.0	264 *	268 *	272 *	273 *	274 *	275 *	275 *	274 *	273 *	272 *
15.0	259 *	263 *	267 *	268 *	269 *	270 *	270 *	269 *	268 *	267 *
13.0	254 *	258 *	261 *	263 *	263 *	263 *	264 *	264 *	263 *	261 *
11.0	248 *	252 *	254 *	257 *	257 *	256 *	257 *	256 *	257 *	254 *
9.0	241 *	244 *	247 *	249 *	250 *	249 *	249 *	250 *	249 *	247 *
7.0	235 *	237 *	239 *	241 *	242 *	242 *	242 *	241 *	241 *	240 *
5.0	227 *	229 *	232 *	233 *	233 *	233 *	234 *	234 *	233 *	233 *
3.0	218 *	221 *	223 *	225 *	225 *	225 *	225 *	226 *	225 *	224 *
1.0	211 *	214 *	215 *	216 *	216 *	217 *	217 *	216 *	216 *	216 *
0.0	207 *	210 *	212 *	212 *	212 *	214 *	214 *	213 *	212 *	210 *
-1.0	203 *	206 *	208 *	208 *	209 *	210 *	210 *	209 *	209 *	207 *
-3.0	194 *	198 *	200 *	201 *	202 *	202 *	201 *	200 *	199 *	198 *
-5.0	186 *	189 *	192 *	192 *	193 *	193 *	192 *	192 *	190 *	189 *
-7.0	175 *	178 *	180 *	181 *	181 *	181 *	182 *	181 *	181 *	179 *
-9.0	162 *	165 *	167 *	168 *	168 *	168 *	168 *	167 *	166 *	166 *
-11.0	147 *	149 *	152 *	152 *	151 *	152 *	152 *	151 *	150 *	149 *
-13.0	131 *	132 *	133 *	133 *	134 *	134 *	133 *	132 *	132 *	131 *
-15.0	114 *	115 *	114 *	115 *	115 *	114 *	114 *	113 *	112 *	111 *
-17.0	96 *	96 *	95 *	96 *	96 *	95 *	94 *	93 *	92 *	92 *
-19.5	76 *	76 *	75 *	74 *	74 *	72 *	72 *	72 *	70 *	71 *
-22.5	58 *	57 *	56 *	54 *	53 *	53 *	53 *	52 *	51 *	51 *
-25.5	45 *	43 *	42 *	42 *	40 *	40 *	39 *	40 *	38 *	38 *
-29.0	33 *	33 *	32 *	32 *	31 *	30 *	29 *	29 *	29 *	29 *
-33.0	26	25	25	24	24	23	23	23	23	23
-37.5	20	19	19	18	18	19	18	17	18	18
-42.5	15	15	14	14	14	14	14	13	14	14
-47.5	12	12	12	11	11	10	10	10	10	10
-55.0	10	9	8	8	8	8	8	8	8	8
-65.0	7	6	6	6	6	6	6	6	6	6
-75.0	3	3	3	3	4	4	4	4	4	4
-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	1	2	2	2	2	2	2	2	2	2
75.0	22	22	22	22	23	24	24	23	23	23
65.0	67 *	66 *	66 *	66 *	67 *	67 *	66 *	64 *	64 *	64 *

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**CANDELA TABULATION - (Cont.)**

55.0	159 *	158 *	158 *	158 *	159 *	158 *	155 *	152 *	149 *	145 *
47.5	244 *	243 *	242 *	241 *	240 *	236 *	231 *	227 *	223 *	217 *
42.5	274 *	271 *	270 *	269 *	266 *	262 *	258 *	254 *	249 *	244 *
37.5	284 *	281 *	280 *	278 *	274 *	271 *	267 *	263 *	259 *	254 *
33.0	284 *	283 *	282 *	280 *	276 *	273 *	269 *	265 *	261 *	256 *
29.0	284 *	282 *	281 *	279 *	275 *	272 *	269 *	265 *	261 *	256 *
25.5	283 *	280 *	278 *	277 *	274 *	271 *	267 *	264 *	259 *	255 *
22.5	280 *	278 *	276 *	274 *	271 *	268 *	265 *	261 *	256 *	253 *
19.5	276 *	274 *	273 *	270 *	266 *	264 *	260 *	257 *	254 *	248 *
17.0	271 *	268 *	267 *	264 *	261 *	259 *	255 *	252 *	248 *	244 *
15.0	265 *	264 *	262 *	260 *	256 *	254 *	250 *	248 *	243 *	240 *
13.0	260 *	258 *	257 *	254 *	251 *	248 *	245 *	241 *	238 *	234 *
11.0	254 *	251 *	250 *	247 *	244 *	241 *	239 *	235 *	232 *	227 *
9.0	246 *	244 *	243 *	240 *	237 *	235 *	231 *	228 *	224 *	221 *
7.0	238 *	236 *	236 *	231 *	229 *	226 *	224 *	221 *	218 *	214 *
5.0	230 *	228 *	228 *	224 *	222 *	219 *	217 *	214 *	211 *	208 *
3.0	223 *	221 *	220 *	216 *	214 *	212 *	209 *	207 *	205 *	202 *
1.0	214 *	213 *	212 *	209 *	208 *	207 *	204 *	200 *	197 *	195 *
0.0	210 *	209 *	208 *	207 *	205 *	202 *	200 *	198 *	194 *	191 *
-1.0	206 *	203 *	205 *	203 *	201 *	199 *	197 *	195 *	191 *	187 *
-3.0	196 *	195 *	198 *	197 *	194 *	192 *	188 *	187 *	185 *	181 *
-5.0	189 *	187 *	190 *	188 *	186 *	184 *	181 *	178 *	176 *	173 *
-7.0	177 *	176 *	180 *	178 *	177 *	174 *	171 *	169 *	166 *	163 *
-9.0	165 *	163 *	167 *	165 *	163 *	162 *	159 *	157 *	154 *	151 *
-11.0	148 *	147 *	151 *	150 *	148 *	145 *	144 *	142 *	139 *	136 *
-13.0	130 *	129 *	133 *	132 *	130 *	128 *	127 *	124 *	122 *	119 *
-15.0	110 *	111 *	114 *	112 *	112 *	110 *	107 *	105 *	104 *	101 *
-17.0	90 *	92 *	95 *	93 *	92 *	91 *	89 *	87 *	85 *	84 *
-19.5	70 *	71 *	72 *	72 *	70 *	69 *	68 *	66 *	66 *	65 *
-22.5	50 *	51 *	52 *	52 *	51 *	50 *	50 *	49 *	48 *	48 *
-25.5	37 *	38 *	38 *	38 *	38 *	38 *	38 *	36 *	35 *	36 *
-29.0	28	29 *	30 *	30 *	29 *	29 *	29 *	28	27	28
-33.0	23	23	23	23	23	23	22	22	22	22
-37.5	18	18	18	18	18	18	18	17	17	17
-42.5	14	14	14	14	14	14	14	13	13	13
-47.5	10	10	10	10	10	10	10	9	9	9
-55.0	8	8	8	8	8	8	8	8	8	8
-65.0	6	6	6	6	6	6	6	6	6	6
-75.0	4	4	4	4	4	4	4	4	4	4
-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	2	2	2	2	2	1	1	1	1	1
75.0	22	22	21	20	18	17	16	14	12	10
65.0	62 *	60 *	57 *	55 *	52 *	48 *	44 *	38 *	33 *	27
55.0	141 *	136 *	130 *	123 *	114 *	103 *	92 *	78 *	64 *	50 *
47.5	212 *	206 *	197 *	186 *	174 *	158 *	140 *	119 *	96 *	74 *
42.5	239 *	232 *	224 *	214 *	203 *	188 *	168 *	144 *	116 *	91 *
37.5	250 *	244 *	236 *	226 *	215 *	202 *	184 *	161 *	134 *	107 *
33.0	252 *	246 *	239 *	230 *	220 *	206 *	191 *	170 *	145 *	116 *
29.0	251 *	246 *	239 *	230 *	220 *	208 *	191 *	172 *	148 *	121 *
25.5	250 *	245 *	238 *	228 *	219 *	207 *	191 *	173 *	149 *	123 *

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**CANDELA TABULATION - (Cont.)**

22.5	248 *	243 *	236 *	226 *	216 *	205 *	189 *	171 *	149 *	124 *
19.5	243 *	239 *	231 *	223 *	213 *	201 *	187 *	168 *	147 *	124 *
17.0	239 *	234 *	227 *	220 *	210 *	198 *	183 *	166 *	145 *	123 *
15.0	235 *	230 *	224 *	216 *	206 *	194 *	180 *	163 *	143 *	121 *
13.0	230 *	225 *	219 *	211 *	201 *	190 *	178 *	160 *	141 *	119 *
11.0	223 *	219 *	213 *	206 *	197 *	186 *	174 *	157 *	138 *	117 *
9.0	216 *	213 *	207 *	200 *	192 *	181 *	169 *	153 *	135 *	114 *
7.0	210 *	206 *	200 *	194 *	187 *	176 *	164 *	149 *	131 *	111 *
5.0	204 *	200 *	194 *	188 *	180 *	171 *	159 *	144 *	126 *	108 *
3.0	198 *	194 *	188 *	181 *	173 *	165 *	153 *	139 *	122 *	105 *
1.0	191 *	187 *	181 *	175 *	167 *	159 *	147 *	135 *	117 *	100 *
0.0	188 *	183 *	179 *	172 *	165 *	156 *	144 *	132 *	114 *	98 *
-1.0	184 *	180 *	176 *	169 *	161 *	153 *	141 *	129 *	111 *	95 *
-3.0	176 *	173 *	169 *	162 *	155 *	146 *	135 *	122 *	106 *	90 *
-5.0	169 *	166 *	161 *	154 *	148 *	138 *	128 *	115 *	100 *	84 *
-7.0	159 *	155 *	151 *	144 *	138 *	129 *	120 *	107 *	93 *	79 *
-9.0	148 *	143 *	138 *	132 *	126 *	119 *	109 *	97 *	86 *	73 *
-11.0	133 *	129 *	125 *	119 *	112 *	107 *	98 *	88 *	78 *	66 *
-13.0	116 *	113 *	109 *	105 *	99 *	94 *	86 *	78 *	70 *	60 *
-15.0	98 *	96 *	93 *	90 *	86 *	81 *	76 *	68 *	61 *	54 *
-17.0	82 *	80 *	77 *	75 *	72 *	69 *	65 *	60 *	54 *	49 *
-19.5	64 *	63 *	60 *	59 *	57 *	56 *	54 *	50 *	46 *	43 *
-22.5	47 *	47 *	46 *	45 *	44 *	42 *	42 *	40 *	39 *	36 *
-25.5	36 *	35 *	34 *	34 *	34 *	34 *	33 *	32 *	32 *	30 *
-29.0	28	28	27	27	25	26	26	26	26	25
-33.0	22	21	21	20	20	20	20	21	21	20
-37.5	16	16	17	16	16	16	16	16	17	17
-42.5	12	12	13	12	12	12	12	13	14	13
-47.5	10	10	10	10	10	10	10	10	12	12
-55.0	8	8	8	8	8	8	8	9	9	9
-65.0	6	6	6	6	6	6	6	6	6	5
-75.0	4	3	3	3	3	2	2	2	3	2
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

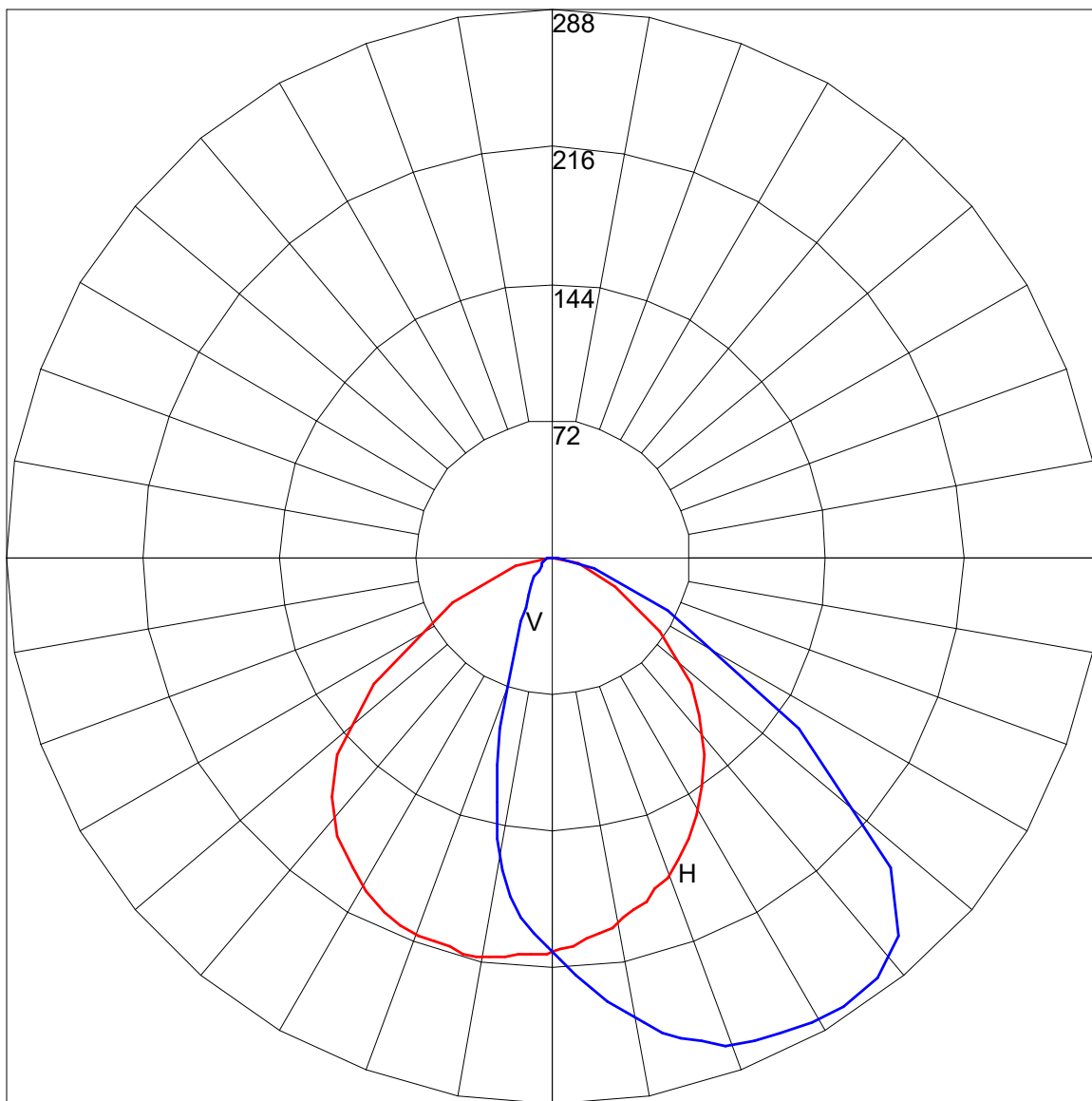
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	6	3	1	0	0
65.0	18	9	3	0	0
55.0	33 *	16	5	0	0
47.5	48 *	23	7	0	0
42.5	58 *	27	8	0	0
37.5	66 *	30 *	10	0	0
33.0	74 *	33 *	11	0	0
29.0	79 *	35 *	12	0	0
25.5	82 *	37 *	12	0	0
22.5	84 *	38 *	12	0	0
19.5	84 *	39 *	13	0	0
17.0	84 *	39 *	13	0	0
15.0	84 *	39 *	13	0	0
13.0	83 *	39 *	13	0	0
11.0	82 *	38 *	14	0	0
9.0	80 *	38 *	14	0	0

IES FLOOD REPORT  
 PHOTOMETRIC FILENAME : L052510771.IES

CANDELA TABULATION - (Cont.)

7.0	79 *	38 *	14	0	0
5.0	76 *	38 *	14	0	0
3.0	73 *	37 *	14	0	0
1.0	70 *	36 *	14	0	0
0.0	68 *	36 *	14	0	0
-1.0	67 *	35 *	14	0	0
-3.0	64 *	34 *	14	0	0
-5.0	61 *	33 *	13	0	0
-7.0	57 *	32 *	13	0	0
-9.0	54 *	30 *	13	0	0
-11.0	50 *	29 *	12	0	0
-13.0	46 *	27	12	0	0
-15.0	42 *	26	12	0	0
-17.0	39 *	24	11	0	0
-19.5	35 *	23	11	0	0
-22.5	31 *	21	10	0	0
-25.5	27	19	9	0	0
-29.0	24	18	9	0	0
-33.0	20	16	8	0	0
-37.5	17	13	7	0	0
-42.5	14	12	6	0	0
-47.5	11	10	4	0	0
-55.0	9	7	3	0	0
-65.0	5	4	1	0	0
-75.0	2	1	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

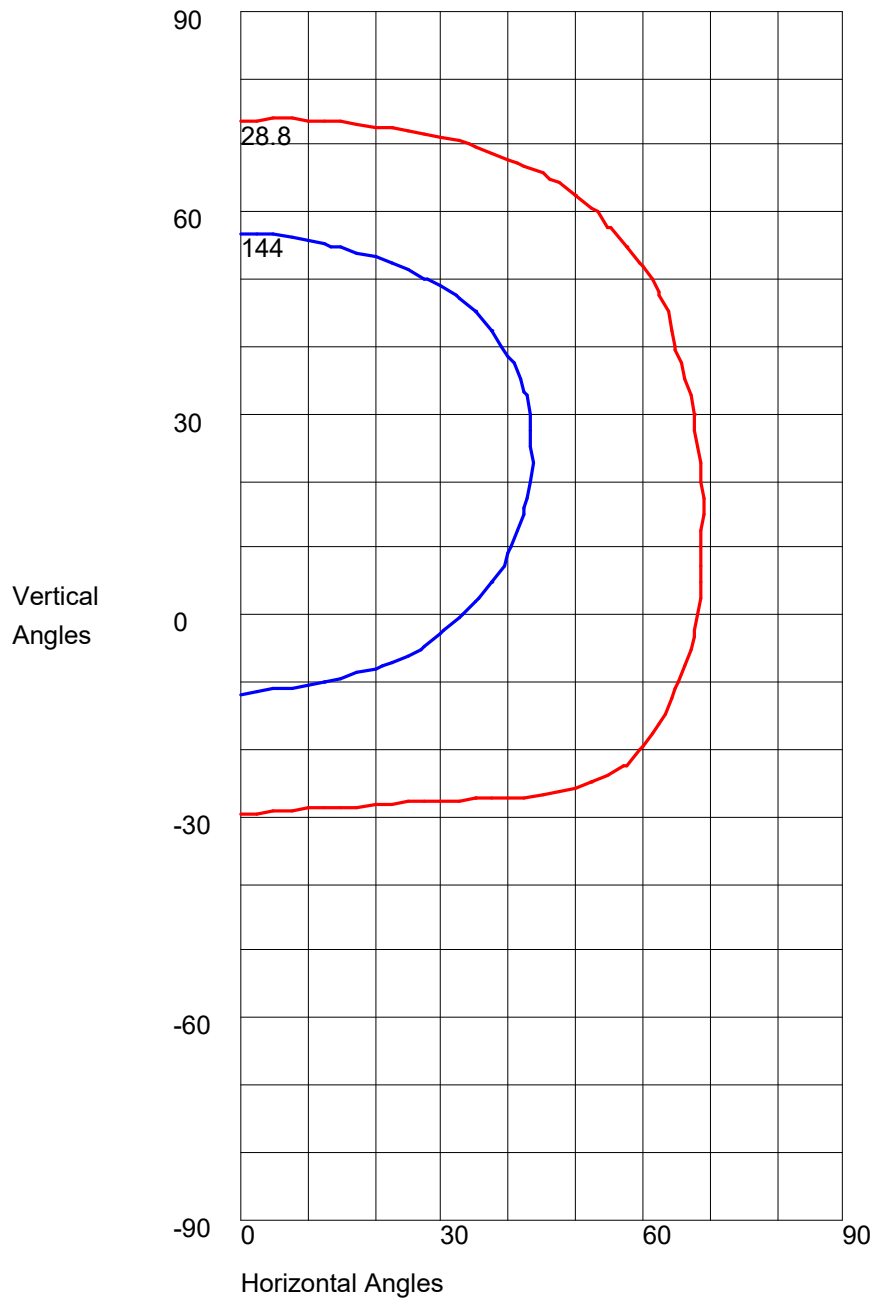
AXIAL CANDELA DISPLAY



Maximum Candela = 288 Located At Horizontal Angle = -15, Vertical Angle = 29  
H - Horizontal Axial Candela  
V - Vertical Axial Candela



ISOCANDELA CURVES



Maximum Candela = 288 Located At Horizontal Angle = -15, Vertical Angle = 29  
50% Maximum Candela = 144  
10% Maximum Candela = 28.8