



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

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510710.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510710
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/5/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1051-WF-RGBW-(G)
[LUMINAIRE] 1051 Wide Flood Green 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 80239581-34
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

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

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	263
Maximum Candela Angle	0H -19.5V
Horizontal Beam Angle (50%)	80.0
Vertical Beam Angle (50%)	91.0
Horizontal Field Angle (10%)	148.9
Vertical Field Angle (10%)	148.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	377
Beam Efficiency	N.A.
Field Lumens	564
Field Efficiency	N.A.
Spill Lumens	17
Luminaire Lumens	580
Total Efficiency	N.A.
Total Luminaire Watts	11.63
Ballast Factor	1.00

IES FLOOD REPORT
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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	4	85	3
75	26	75	25
65	52	65	46
55	75	55	75
47.5	96	47.5	116
42.5	112	42.5	155
37.5	130	37.5	195
33	149	33	226
29	164	29	247
25.5	178	25.5	258
22.5	190	22.5	262
19.5	200	19.5	263
17	208	17	261
15	214	15	258
13	220	13	255
11	225	11	252
9	229	9	248
7	232	7	244
5	234	5	241
3	236	3	240
1	238	1	239
0	239	0	239
-1	238	-1	239
-3	236	-3	240
-5	234	-5	241
-7	232	-7	244
-9	229	-9	248
-11	225	-11	252
-13	220	-13	255
-15	214	-15	258
-17	208	-17	261
-19.5	200	-19.5	263
-22.5	190	-22.5	262
-25.5	178	-25.5	258
-29	164	-29	247
-33	149	-33	226
-37.5	130	-37.5	195
-42.5	112	-42.5	155
-47.5	96	-47.5	116
-55	75	-55	75
-65	52	-65	46
-75	26	-75	25
-85	4	-85	3
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510710.IES

CANDELA TABULATION

Maximum Candela = 263

Beam Edge = 131.5 Cd (50% of Max.)

Field Edge = 26.3 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	1	1	1	2	2	2	3	3
75.0	0	1	3	6	10	13	15	18	20	21
65.0	0	1	6	14	23	30 *	34 *	37 *	40 *	42 *
55.0	0	1	10	24	37 *	48 *	54 *	60 *	65 *	68 *
47.5	0	2	13	30 *	49 *	63 *	73 *	84 *	92 *	99 *
42.5	0	2	16	35 *	55 *	73 *	87 *	102 *	115 *	125 *
37.5	0	3	18	39 *	61 *	82 *	100 *	120 *	137 *	150 *
33.0	0	3	20	42 *	66 *	89 *	109 *	132 *	153 *	170 *
29.0	0	3	22	44 *	69 *	94 *	115 *	139 *	162 *	181 *
25.5	0	3	23	46 *	71 *	97 *	119 *	143 *	166 *	185 *
22.5	0	4	24	47 *	73 *	98 *	120 *	144 *	167 *	187 *
19.5	0	4	25	49 *	74 *	98 *	120 *	143 *	165 *	186 *
17.0	0	4	25	50 *	75 *	98 *	119 *	141 *	163 *	183 *
15.0	0	4	25	50 *	75 *	98 *	118 *	140 *	161 *	181 *
13.0	0	4	26	51 *	75 *	98 *	117 *	138 *	159 *	178 *
11.0	0	4	26	52 *	75 *	97 *	116 *	137 *	157 *	175 *
9.0	0	4	26	52 *	75 *	97 *	115 *	135 *	155 *	172 *
7.0	0	4	26	52 *	75 *	97 *	114 *	134 *	153 *	170 *
5.0	0	4	26	52 *	75 *	96 *	113 *	133 *	151 *	168 *
3.0	0	4	26	52 *	75 *	97 *	113 *	132 *	149 *	166 *
1.0	0	4	26	52 *	75 *	96 *	112 *	131 *	149 *	165 *
0.0	0	4	26	52 *	75 *	96 *	112 *	130 *	149 *	164 *
-1.0	0	4	26	52 *	75 *	96 *	112 *	131 *	149 *	165 *
-3.0	0	4	26	52 *	75 *	97 *	113 *	132 *	149 *	166 *
-5.0	0	4	26	52 *	75 *	96 *	113 *	133 *	151 *	168 *
-7.0	0	4	26	52 *	75 *	97 *	114 *	134 *	153 *	170 *
-9.0	0	4	26	52 *	75 *	97 *	115 *	135 *	155 *	172 *
-11.0	0	4	26	52 *	75 *	97 *	116 *	137 *	157 *	175 *
-13.0	0	4	26	51 *	75 *	98 *	117 *	138 *	159 *	178 *
-15.0	0	4	25	50 *	75 *	98 *	118 *	140 *	161 *	181 *
-17.0	0	4	25	50 *	75 *	98 *	119 *	141 *	163 *	183 *
-19.5	0	4	25	49 *	74 *	98 *	120 *	143 *	165 *	186 *
-22.5	0	4	24	47 *	73 *	98 *	120 *	144 *	167 *	187 *
-25.5	0	3	23	46 *	71 *	97 *	119 *	143 *	166 *	185 *
-29.0	0	3	22	44 *	69 *	94 *	115 *	139 *	162 *	181 *
-33.0	0	3	20	42 *	66 *	89 *	109 *	132 *	153 *	170 *
-37.5	0	3	18	39 *	61 *	82 *	100 *	120 *	137 *	150 *
-42.5	0	2	16	35 *	55 *	73 *	87 *	102 *	115 *	125 *
-47.5	0	2	13	30 *	49 *	63 *	73 *	84 *	92 *	99 *
-55.0	0	1	10	24	37 *	48 *	54 *	60 *	65 *	68 *
-65.0	0	1	6	14	23	30 *	34 *	37 *	40 *	42 *
-75.0	0	1	3	6	10	13	15	18	20	21
-85.0	0	0	1	1	1	2	2	2	3	3
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510710.IES

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	3	3	3	3	3	3	3	3	3	3
75.0	22	23	24	24	25	25	25	25	25	25
65.0	44 *	44 *	45 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *
55.0	70 *	72 *	73 *	73 *	74 *	74 *	75 *	75 *	75 *	75 *
47.5	104 *	107 *	110 *	112 *	113 *	114 *	115 *	116 *	116 *	116 *
42.5	133 *	138 *	143 *	145 *	148 *	150 *	151 *	152 *	153 *	154 *
37.5	161 *	169 *	176 *	180 *	183 *	186 *	189 *	191 *	193 *	194 *
33.0	183 *	192 *	201 *	208 *	212 *	215 *	218 *	221 *	223 *	224 *
29.0	196 *	207 *	217 *	224 *	229 *	233 *	236 *	239 *	242 *	243 *
25.5	201 *	214 *	224 *	233 *	238 *	242 *	246 *	250 *	252 *	255 *
22.5	203 *	216 *	227 *	235 *	241 *	246 *	250 *	253 *	256 *	259 *
19.5	202 *	215 *	226 *	235 *	241 *	246 *	251 *	254 *	257 *	259 *
17.0	200 *	212 *	224 *	233 *	238 *	244 *	249 *	252 *	255 *	257 *
15.0	197 *	209 *	221 *	229 *	236 *	241 *	246 *	250 *	253 *	255 *
13.0	193 *	206 *	217 *	226 *	232 *	238 *	243 *	246 *	250 *	252 *
11.0	190 *	202 *	214 *	222 *	228 *	234 *	239 *	243 *	246 *	249 *
9.0	187 *	199 *	210 *	218 *	225 *	230 *	235 *	240 *	243 *	245 *
7.0	184 *	196 *	207 *	215 *	222 *	227 *	232 *	236 *	239 *	242 *
5.0	182 *	194 *	205 *	213 *	219 *	224 *	228 *	233 *	236 *	239 *
3.0	180 *	192 *	202 *	211 *	217 *	222 *	227 *	231 *	234 *	236 *
1.0	179 *	190 *	201 *	209 *	215 *	221 *	226 *	230 *	233 *	235 *
0.0	178 *	190 *	200 *	208 *	214 *	220 *	225 *	229 *	232 *	234 *
-1.0	179 *	190 *	201 *	209 *	215 *	221 *	226 *	230 *	233 *	235 *
-3.0	180 *	192 *	202 *	211 *	217 *	222 *	227 *	231 *	234 *	236 *
-5.0	182 *	194 *	205 *	213 *	219 *	224 *	228 *	233 *	236 *	239 *
-7.0	184 *	196 *	207 *	215 *	222 *	227 *	232 *	236 *	239 *	242 *
-9.0	187 *	199 *	210 *	218 *	225 *	230 *	235 *	240 *	243 *	245 *
-11.0	190 *	202 *	214 *	222 *	228 *	234 *	239 *	243 *	246 *	249 *
-13.0	193 *	206 *	217 *	226 *	232 *	238 *	243 *	246 *	250 *	252 *
-15.0	197 *	209 *	221 *	229 *	236 *	241 *	246 *	250 *	253 *	255 *
-17.0	200 *	212 *	224 *	233 *	238 *	244 *	249 *	252 *	255 *	257 *
-19.5	202 *	215 *	226 *	235 *	241 *	246 *	251 *	254 *	257 *	259 *
-22.5	203 *	216 *	227 *	235 *	241 *	246 *	250 *	253 *	256 *	259 *
-25.5	201 *	214 *	224 *	233 *	238 *	242 *	246 *	250 *	252 *	255 *
-29.0	196 *	207 *	217 *	224 *	229 *	233 *	236 *	239 *	242 *	243 *
-33.0	183 *	192 *	201 *	208 *	212 *	215 *	218 *	221 *	223 *	224 *
-37.5	161 *	169 *	176 *	180 *	183 *	186 *	189 *	191 *	193 *	194 *
-42.5	133 *	138 *	143 *	145 *	148 *	150 *	151 *	152 *	153 *	154 *
-47.5	104 *	107 *	110 *	112 *	113 *	114 *	115 *	116 *	116 *	116 *
-55.0	70 *	72 *	73 *	73 *	74 *	74 *	75 *	75 *	75 *	75 *
-65.0	44 *	44 *	45 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *
-75.0	22	23	24	24	25	25	25	25	25	25
-85.0	3	3	3	3	3	3	3	3	3	3
-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	3	3	3	3	3	3	3	3	3	3
75.0	25	25	25	25	25	25	25	25	25	25
65.0	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510710.IES

CANDELA TABULATION - (Cont.)

55.0	75 *	75 *	75 *	75 *	75 *	75 *	75 *	75 *	75 *	74 *
47.5	117 *	116 *	116 *	116 *	117 *	116 *	116 *	116 *	115 *	114 *
42.5	155 *	155 *	155 *	155 *	155 *	154 *	153 *	152 *	151 *	150 *
37.5	194 *	195 *	195 *	195 *	194 *	194 *	193 *	191 *	189 *	186 *
33.0	225 *	226 *	226 *	226 *	225 *	224 *	223 *	221 *	218 *	215 *
29.0	244 *	246 *	247 *	246 *	244 *	243 *	242 *	239 *	236 *	233 *
25.5	256 *	257 *	258 *	257 *	256 *	255 *	252 *	250 *	246 *	242 *
22.5	260 *	261 *	262 *	261 *	260 *	259 *	256 *	253 *	250 *	246 *
19.5	261 *	262 *	263 *	262 *	261 *	259 *	257 *	254 *	251 *	246 *
17.0	259 *	261 *	261 *	261 *	259 *	257 *	255 *	252 *	249 *	244 *
15.0	256 *	258 *	258 *	258 *	256 *	255 *	253 *	250 *	246 *	241 *
13.0	253 *	255 *	255 *	255 *	253 *	252 *	250 *	246 *	243 *	238 *
11.0	250 *	252 *	252 *	252 *	250 *	249 *	246 *	243 *	239 *	234 *
9.0	247 *	248 *	248 *	248 *	247 *	245 *	243 *	240 *	235 *	230 *
7.0	243 *	244 *	244 *	244 *	243 *	242 *	239 *	236 *	232 *	227 *
5.0	241 *	241 *	241 *	241 *	241 *	239 *	236 *	233 *	228 *	224 *
3.0	239 *	240 *	240 *	240 *	239 *	236 *	234 *	231 *	227 *	222 *
1.0	237 *	239 *	239 *	239 *	237 *	235 *	233 *	230 *	226 *	221 *
0.0	236 *	238 *	239 *	238 *	236 *	234 *	232 *	229 *	225 *	220 *
-1.0	237 *	239 *	239 *	239 *	237 *	235 *	233 *	230 *	226 *	221 *
-3.0	239 *	240 *	240 *	240 *	239 *	236 *	234 *	231 *	227 *	222 *
-5.0	241 *	241 *	241 *	241 *	241 *	239 *	236 *	233 *	228 *	224 *
-7.0	243 *	244 *	244 *	244 *	243 *	242 *	239 *	236 *	232 *	227 *
-9.0	247 *	248 *	248 *	248 *	247 *	245 *	243 *	240 *	235 *	230 *
-11.0	250 *	252 *	252 *	252 *	250 *	249 *	246 *	243 *	239 *	234 *
-13.0	253 *	255 *	255 *	255 *	253 *	252 *	250 *	246 *	243 *	238 *
-15.0	256 *	258 *	258 *	258 *	256 *	255 *	253 *	250 *	246 *	241 *
-17.0	259 *	261 *	261 *	261 *	259 *	257 *	255 *	252 *	249 *	244 *
-19.5	261 *	262 *	263 *	262 *	261 *	259 *	257 *	254 *	251 *	246 *
-22.5	260 *	261 *	262 *	261 *	260 *	259 *	256 *	253 *	250 *	246 *
-25.5	256 *	257 *	258 *	257 *	256 *	255 *	252 *	250 *	246 *	242 *
-29.0	244 *	246 *	247 *	246 *	244 *	243 *	242 *	239 *	236 *	233 *
-33.0	225 *	226 *	226 *	226 *	225 *	224 *	223 *	221 *	218 *	215 *
-37.5	194 *	195 *	195 *	195 *	194 *	194 *	193 *	191 *	189 *	186 *
-42.5	155 *	155 *	155 *	155 *	155 *	154 *	153 *	152 *	151 *	150 *
-47.5	117 *	116 *	116 *	116 *	117 *	116 *	116 *	116 *	115 *	114 *
-55.0	75 *	75 *	75 *	75 *	75 *	75 *	75 *	75 *	75 *	74 *
-65.0	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *	46 *
-75.0	25	25	25	25	25	25	25	25	25	25
-85.0	3	3	3	3	3	3	3	3	3	3
-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	3	3	3	3	3	3	3	2	2	2
75.0	25	24	24	23	22	21	20	18	15	13
65.0	46 *	46 *	45 *	44 *	44 *	42 *	40 *	37 *	34 *	30 *
55.0	74 *	73 *	73 *	72 *	70 *	68 *	65 *	60 *	54 *	48 *
47.5	113 *	112 *	110 *	107 *	104 *	99 *	92 *	84 *	73 *	63 *
42.5	148 *	145 *	143 *	138 *	133 *	125 *	115 *	102 *	87 *	73 *
37.5	183 *	180 *	176 *	169 *	161 *	150 *	137 *	120 *	100 *	82 *
33.0	212 *	208 *	201 *	192 *	183 *	170 *	153 *	132 *	109 *	89 *
29.0	229 *	224 *	217 *	207 *	196 *	181 *	162 *	139 *	115 *	94 *
25.5	238 *	233 *	224 *	214 *	201 *	185 *	166 *	143 *	119 *	97 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510710.IES

CANDELA TABULATION - (Cont.)

22.5	241 *	235 *	227 *	216 *	203 *	187 *	167 *	144 *	120 *	98 *
19.5	241 *	235 *	226 *	215 *	202 *	186 *	165 *	143 *	120 *	98 *
17.0	238 *	233 *	224 *	212 *	200 *	183 *	163 *	141 *	119 *	98 *
15.0	236 *	229 *	221 *	209 *	197 *	181 *	161 *	140 *	118 *	98 *
13.0	232 *	226 *	217 *	206 *	193 *	178 *	159 *	138 *	117 *	98 *
11.0	228 *	222 *	214 *	202 *	190 *	175 *	157 *	137 *	116 *	97 *
9.0	225 *	218 *	210 *	199 *	187 *	172 *	155 *	135 *	115 *	97 *
7.0	222 *	215 *	207 *	196 *	184 *	170 *	153 *	134 *	114 *	97 *
5.0	219 *	213 *	205 *	194 *	182 *	168 *	151 *	133 *	113 *	96 *
3.0	217 *	211 *	202 *	192 *	180 *	166 *	149 *	132 *	113 *	97 *
1.0	215 *	209 *	201 *	190 *	179 *	165 *	149 *	131 *	112 *	96 *
0.0	214 *	208 *	200 *	190 *	178 *	164 *	149 *	130 *	112 *	96 *
-1.0	215 *	209 *	201 *	190 *	179 *	165 *	149 *	131 *	112 *	96 *
-3.0	217 *	211 *	202 *	192 *	180 *	166 *	149 *	132 *	113 *	97 *
-5.0	219 *	213 *	205 *	194 *	182 *	168 *	151 *	133 *	113 *	96 *
-7.0	222 *	215 *	207 *	196 *	184 *	170 *	153 *	134 *	114 *	97 *
-9.0	225 *	218 *	210 *	199 *	187 *	172 *	155 *	135 *	115 *	97 *
-11.0	228 *	222 *	214 *	202 *	190 *	175 *	157 *	137 *	116 *	97 *
-13.0	232 *	226 *	217 *	206 *	193 *	178 *	159 *	138 *	117 *	98 *
-15.0	236 *	229 *	221 *	209 *	197 *	181 *	161 *	140 *	118 *	98 *
-17.0	238 *	233 *	224 *	212 *	200 *	183 *	163 *	141 *	119 *	98 *
-19.5	241 *	235 *	226 *	215 *	202 *	186 *	165 *	143 *	120 *	98 *
-22.5	241 *	235 *	227 *	216 *	203 *	187 *	167 *	144 *	120 *	98 *
-25.5	238 *	233 *	224 *	214 *	201 *	185 *	166 *	143 *	119 *	97 *
-29.0	229 *	224 *	217 *	207 *	196 *	181 *	162 *	139 *	115 *	94 *
-33.0	212 *	208 *	201 *	192 *	183 *	170 *	153 *	132 *	109 *	89 *
-37.5	183 *	180 *	176 *	169 *	161 *	150 *	137 *	120 *	100 *	82 *
-42.5	148 *	145 *	143 *	138 *	133 *	125 *	115 *	102 *	87 *	73 *
-47.5	113 *	112 *	110 *	107 *	104 *	99 *	92 *	84 *	73 *	63 *
-55.0	74 *	73 *	73 *	72 *	70 *	68 *	65 *	60 *	54 *	48 *
-65.0	46 *	46 *	45 *	44 *	44 *	42 *	40 *	37 *	34 *	30 *
-75.0	25	24	24	23	22	21	20	18	15	13
-85.0	3	3	3	3	3	3	3	2	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

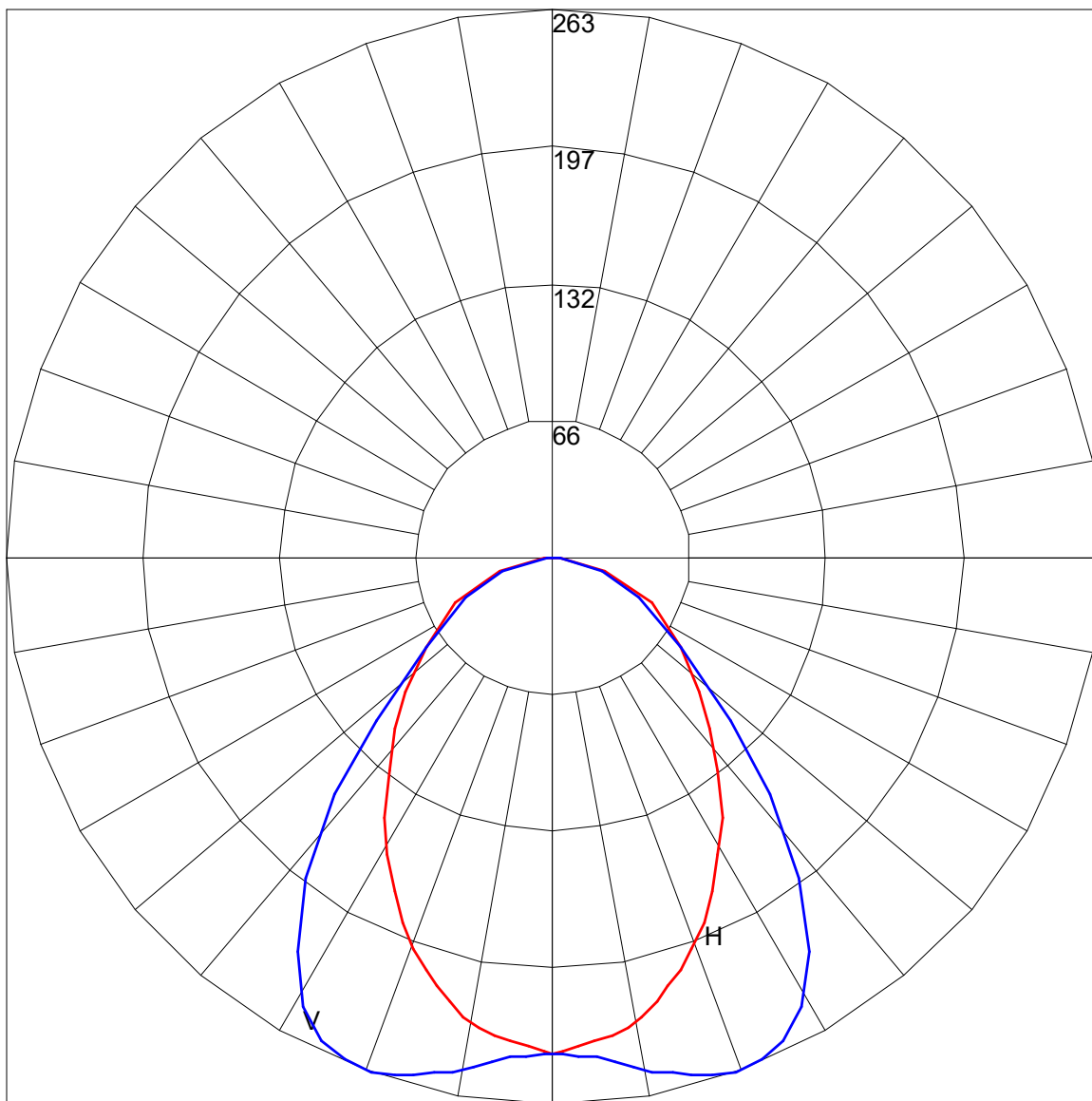
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	1	1	1	0	0
75.0	10	6	3	1	0
65.0	23	14	6	1	0
55.0	37 *	24	10	1	0
47.5	49 *	30 *	13	2	0
42.5	55 *	35 *	16	2	0
37.5	61 *	39 *	18	3	0
33.0	66 *	42 *	20	3	0
29.0	69 *	44 *	22	3	0
25.5	71 *	46 *	23	3	0
22.5	73 *	47 *	24	4	0
19.5	74 *	49 *	25	4	0
17.0	75 *	50 *	25	4	0
15.0	75 *	50 *	25	4	0
13.0	75 *	51 *	26	4	0
11.0	75 *	52 *	26	4	0
9.0	75 *	52 *	26	4	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510710.IES

CANDELA TABULATION - (Cont.)

7.0	75 *	52 *	26	4	0
5.0	75 *	52 *	26	4	0
3.0	75 *	52 *	26	4	0
1.0	75 *	52 *	26	4	0
0.0	75 *	52 *	26	4	0
-1.0	75 *	52 *	26	4	0
-3.0	75 *	52 *	26	4	0
-5.0	75 *	52 *	26	4	0
-7.0	75 *	52 *	26	4	0
-9.0	75 *	52 *	26	4	0
-11.0	75 *	52 *	26	4	0
-13.0	75 *	51 *	26	4	0
-15.0	75 *	50 *	25	4	0
-17.0	75 *	50 *	25	4	0
-19.5	74 *	49 *	25	4	0
-22.5	73 *	47 *	24	4	0
-25.5	71 *	46 *	23	3	0
-29.0	69 *	44 *	22	3	0
-33.0	66 *	42 *	20	3	0
-37.5	61 *	39 *	18	3	0
-42.5	55 *	35 *	16	2	0
-47.5	49 *	30 *	13	2	0
-55.0	37 *	24	10	1	0
-65.0	23	14	6	1	0
-75.0	10	6	3	1	0
-85.0	1	1	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY

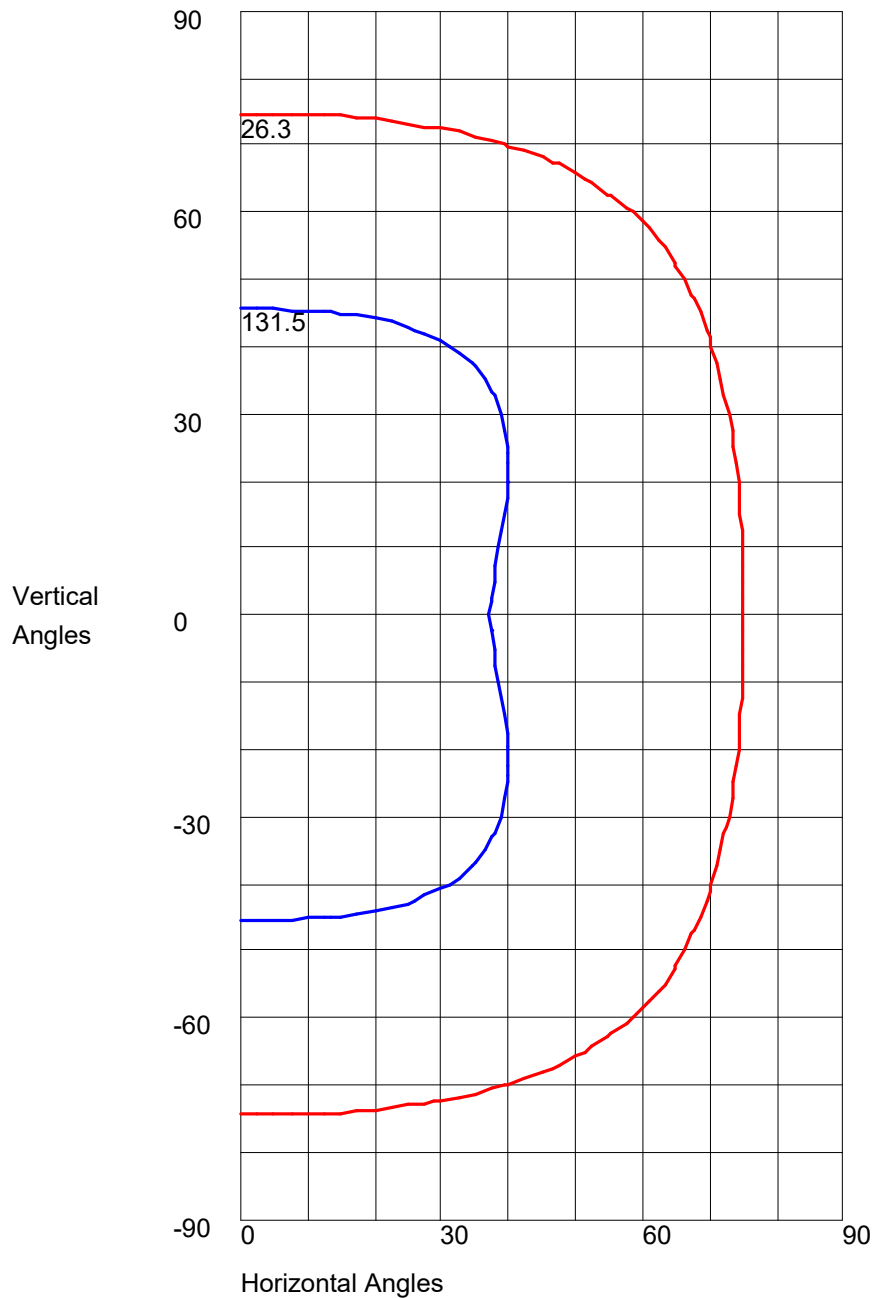


Maximum Candela = 263 Located At Horizontal Angle = 0, Vertical Angle = -19.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 263 Located At Horizontal Angle = 0, Vertical Angle = -19.5
50% Maximum Candela = 131.5
10% Maximum Candela = 26.3