



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

## Photometric Test Report

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510702.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510702

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

[ISSUE DATE] 6/5/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1051-NS-RGBW-(G)

[LUMINAIRE] 1051 Narrow Spot 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 80239581-26

[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	480
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	87.0
Vertical Beam Angle (50%)	28.9
Horizontal Field Angle (10%)	138.6
Vertical Field Angle (10%)	122.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	203
Beam Efficiency	N.A.
Field Lumens	472
Field Efficiency	N.A.
Spill Lumens	56
Luminaire Lumens	528
Total Efficiency	N.A.
Total Luminaire Watts	11.57
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	1
75	24	75	20
65	66	65	42
55	132	55	59
47.5	199	47.5	67
42.5	250	42.5	73
37.5	301	37.5	80
33	352	33	89
29	385	29	101
25.5	414	25.5	118
22.5	434	22.5	139
19.5	447	19.5	168
17	457	17	200
15	463	15	230
13	467	13	266
11	471	11	305
9	475	9	350
7	477	7	397
5	478	5	439
3	480	3	462
1	480	1	475
0	480	0	480
-1	480	-1	475
-3	480	-3	462
-5	478	-5	439
-7	477	-7	397
-9	475	-9	350
-11	471	-11	305
-13	467	-13	266
-15	463	-15	230
-17	457	-17	200
-19.5	447	-19.5	168
-22.5	434	-22.5	139
-25.5	414	-25.5	118
-29	385	-29	101
-33	352	-33	89
-37.5	301	-37.5	80
-42.5	250	-42.5	73
-47.5	199	-47.5	67
-55	132	-55	59
-65	66	-65	42
-75	24	-75	20
-85	2	-85	1
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 480

Beam Edge = 240 Cd (50% of Max.)

Field Edge = 48 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	0	1	0	1	1	1
75.0	0	1	2	3	5	7	9	10	12	13
65.0	0	1	3	8	13	18	21	24	27	30
55.0	0	1	6	15	24	30	34	38	42	45
47.5	0	1	10	23	33	40	44	48	51 *	55 *
42.5	0	1	12	28	41	47	51 *	55 *	58 *	60 *
37.5	0	2	14	33	49 *	56 *	60 *	63 *	66 *	69 *
33.0	0	2	15	38	58 *	66 *	70 *	73 *	76 *	79 *
29.0	0	2	17	43	66 *	77 *	82 *	86 *	88 *	91 *
25.5	0	2	19	48	75 *	89 *	94 *	99 *	103 *	106 *
22.5	0	2	20	51 *	84 *	101 *	109 *	115 *	119 *	123 *
19.5	0	2	21	54 *	92 *	115 *	125 *	134 *	141 *	146 *
17.0	0	2	21	56 *	100 *	127 *	142 *	153 *	162 *	170 *
15.0	0	2	22	58 *	106 *	139 *	157 *	171 *	183 *	191 *
13.0	0	2	22	60 *	111 *	150 *	172 *	191 *	205 *	218 *
11.0	0	2	23	62 *	116 *	161 *	188 *	213 *	231 *	247 *
9.0	0	2	23	63 *	121 *	171 *	204 *	235 *	258 *	278 *
7.0	0	2	23	64 *	125 *	181 *	219 *	256 *	285 *	310 *
5.0	0	2	24	65 *	127 *	189 *	234 *	275 *	311 *	341 *
3.0	0	2	24	65 *	130 *	194 *	243 *	289 *	334 *	368 *
1.0	0	2	24	66 *	131 *	197 *	248 *	297 *	346 *	380 *
0.0	0	2	24	66 *	132 *	199 *	250 *	301 *	352 *	385 *
-1.0	0	2	24	66 *	131 *	197 *	248 *	297 *	346 *	380 *
-3.0	0	2	24	65 *	130 *	194 *	243 *	289 *	334 *	368 *
-5.0	0	2	24	65 *	127 *	189 *	234 *	275 *	311 *	341 *
-7.0	0	2	23	64 *	125 *	181 *	219 *	256 *	285 *	310 *
-9.0	0	2	23	63 *	121 *	171 *	204 *	235 *	258 *	278 *
-11.0	0	2	23	62 *	116 *	161 *	188 *	213 *	231 *	247 *
-13.0	0	2	22	60 *	111 *	150 *	172 *	191 *	205 *	218 *
-15.0	0	2	22	58 *	106 *	139 *	157 *	171 *	183 *	191 *
-17.0	0	2	21	56 *	100 *	127 *	142 *	153 *	162 *	170 *
-19.5	0	2	21	54 *	92 *	115 *	125 *	134 *	141 *	146 *
-22.5	0	2	20	51 *	84 *	101 *	109 *	115 *	119 *	123 *
-25.5	0	2	19	48	75 *	89 *	94 *	99 *	103 *	106 *
-29.0	0	2	17	43	66 *	77 *	82 *	86 *	88 *	91 *
-33.0	0	2	15	38	58 *	66 *	70 *	73 *	76 *	79 *
-37.5	0	2	14	33	49 *	56 *	60 *	63 *	66 *	69 *
-42.5	0	1	12	28	41	47	51 *	55 *	58 *	60 *
-47.5	0	1	10	23	33	40	44	48	51 *	55 *
-55.0	0	1	6	15	24	30	34	38	42	45
-65.0	0	1	3	8	13	18	21	24	27	30
-75.0	0	1	2	3	5	7	9	10	12	13
-85.0	0	0	1	1	0	1	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	2	2	2	2	2	2	2	2	1	1
75.0	15	16	16	17	18	18	19	20	20	20
65.0	32	34	36	38	39	39	40	40	41	42
55.0	48	50 *	52 *	54 *	55 *	56 *	56 *	57 *	58 *	59 *
47.5	57 *	59 *	61 *	63 *	64 *	65 *	65 *	66 *	67 *	67 *
42.5	63 *	65 *	67 *	68 *	69 *	70 *	71 *	71 *	72 *	73 *
37.5	71 *	72 *	74 *	75 *	76 *	77 *	78 *	79 *	79 *	80 *
33.0	81 *	82 *	84 *	85 *	85 *	86 *	87 *	88 *	88 *	89 *
29.0	93 *	95 *	96 *	98 *	99 *	99 *	100 *	100 *	101 *	101 *
25.5	108 *	111 *	112 *	114 *	115 *	116 *	116 *	117 *	118 *	118 *
22.5	126 *	129 *	131 *	133 *	134 *	135 *	136 *	138 *	138 *	138 *
19.5	150 *	153 *	157 *	160 *	161 *	162 *	164 *	165 *	166 *	166 *
17.0	175 *	179 *	185 *	188 *	191 *	193 *	194 *	196 *	197 *	198 *
15.0	200 *	206 *	211 *	215 *	219 *	221 *	224 *	225 *	228 *	230 *
13.0	228 *	236 *	242 *	248 *	251 *	255 *	258 *	261 *	263 *	265 *
11.0	259 *	269 *	277 *	284 *	289 *	293 *	296 *	300 *	303 *	305 *
9.0	294 *	306 *	318 *	326 *	331 *	337 *	340 *	346 *	350 *	356 *
7.0	331 *	346 *	358 *	368 *	374 *	383 *	388 *	393 *	401 *	401 *
5.0	368 *	383 *	400 *	413 *	419 *	425 *	429 *	433 *	435 *	437 *
3.0	392 *	413 *	429 *	441 *	447 *	452 *	456 *	460 *	462 *	463 *
1.0	408 *	429 *	444 *	454 *	460 *	466 *	470 *	473 *	475 *	478 *
0.0	414 *	434 *	447 *	457 *	463 *	467 *	471 *	475 *	477 *	478 *
-1.0	408 *	429 *	444 *	454 *	460 *	466 *	470 *	473 *	475 *	478 *
-3.0	392 *	413 *	429 *	441 *	447 *	452 *	456 *	460 *	462 *	463 *
-5.0	368 *	383 *	400 *	413 *	419 *	425 *	429 *	433 *	435 *	437 *
-7.0	331 *	346 *	358 *	368 *	374 *	383 *	388 *	393 *	401 *	401 *
-9.0	294 *	306 *	318 *	326 *	331 *	337 *	340 *	346 *	350 *	356 *
-11.0	259 *	269 *	277 *	284 *	289 *	293 *	296 *	300 *	303 *	305 *
-13.0	228 *	236 *	242 *	248 *	251 *	255 *	258 *	261 *	263 *	265 *
-15.0	200 *	206 *	211 *	215 *	219 *	221 *	224 *	225 *	228 *	230 *
-17.0	175 *	179 *	185 *	188 *	191 *	193 *	194 *	196 *	197 *	198 *
-19.5	150 *	153 *	157 *	160 *	161 *	162 *	164 *	165 *	166 *	166 *
-22.5	126 *	129 *	131 *	133 *	134 *	135 *	136 *	138 *	138 *	138 *
-25.5	108 *	111 *	112 *	114 *	115 *	116 *	116 *	117 *	118 *	118 *
-29.0	93 *	95 *	96 *	98 *	99 *	99 *	100 *	100 *	101 *	101 *
-33.0	81 *	82 *	84 *	85 *	85 *	86 *	87 *	88 *	88 *	89 *
-37.5	71 *	72 *	74 *	75 *	76 *	77 *	78 *	79 *	79 *	80 *
-42.5	63 *	65 *	67 *	68 *	69 *	70 *	71 *	71 *	72 *	73 *
-47.5	57 *	59 *	61 *	63 *	64 *	65 *	65 *	66 *	67 *	67 *
-55.0	48	50 *	52 *	54 *	55 *	56 *	56 *	57 *	58 *	59 *
-65.0	32	34	36	38	39	39	40	40	41	42
-75.0	15	16	16	17	18	18	19	20	20	20
-85.0	2	2	2	2	2	2	2	2	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	2	2	2
75.0	20	20	20	20	20	20	20	20	19	18
65.0	42	42	42	42	42	42	41	40	40	39

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CANDELA TABULATION - (Cont.)

55.0	59 *	59 *	59 *	59 *	59 *	59 *	58 *	57 *	56 *	56 *
47.5	67 *	67 *	67 *	67 *	67 *	67 *	67 *	66 *	65 *	65 *
42.5	73 *	73 *	73 *	73 *	73 *	73 *	72 *	71 *	71 *	70 *
37.5	80 *	80 *	80 *	80 *	80 *	80 *	79 *	79 *	78 *	77 *
33.0	89 *	89 *	89 *	89 *	89 *	89 *	88 *	88 *	87 *	86 *
29.0	102 *	102 *	101 *	102 *	102 *	101 *	101 *	100 *	100 *	99 *
25.5	119 *	119 *	118 *	119 *	119 *	118 *	118 *	117 *	116 *	116 *
22.5	139 *	139 *	139 *	139 *	139 *	138 *	138 *	138 *	136 *	135 *
19.5	168 *	168 *	168 *	168 *	168 *	166 *	166 *	165 *	164 *	162 *
17.0	199 *	200 *	200 *	200 *	199 *	198 *	197 *	196 *	194 *	193 *
15.0	230 *	231 *	230 *	231 *	230 *	230 *	228 *	225 *	224 *	221 *
13.0	265 *	266 *	266 *	266 *	265 *	265 *	263 *	261 *	258 *	255 *
11.0	306 *	309 *	305 *	309 *	306 *	305 *	303 *	300 *	296 *	293 *
9.0	352 *	356 *	350 *	356 *	352 *	356 *	350 *	346 *	340 *	337 *
7.0	405 *	403 *	397 *	403 *	405 *	401 *	401 *	393 *	388 *	383 *
5.0	438 *	441 *	439 *	441 *	438 *	437 *	435 *	433 *	429 *	425 *
3.0	463 *	461 *	462 *	461 *	463 *	463 *	462 *	460 *	456 *	452 *
1.0	478 *	477 *	475 *	477 *	478 *	478 *	475 *	473 *	470 *	466 *
0.0	480 *	480 *	480 *	480 *	480 *	478 *	477 *	475 *	471 *	467 *
-1.0	478 *	477 *	475 *	477 *	478 *	478 *	475 *	473 *	470 *	466 *
-3.0	463 *	461 *	462 *	461 *	463 *	463 *	462 *	460 *	456 *	452 *
-5.0	438 *	441 *	439 *	441 *	438 *	437 *	435 *	433 *	429 *	425 *
-7.0	405 *	403 *	397 *	403 *	405 *	401 *	401 *	393 *	388 *	383 *
-9.0	352 *	356 *	350 *	356 *	352 *	356 *	350 *	346 *	340 *	337 *
-11.0	306 *	309 *	305 *	309 *	306 *	305 *	303 *	300 *	296 *	293 *
-13.0	265 *	266 *	266 *	266 *	265 *	265 *	263 *	261 *	258 *	255 *
-15.0	230 *	231 *	230 *	231 *	230 *	230 *	228 *	225 *	224 *	221 *
-17.0	199 *	200 *	200 *	200 *	199 *	198 *	197 *	196 *	194 *	193 *
-19.5	168 *	168 *	168 *	168 *	168 *	166 *	166 *	165 *	164 *	162 *
-22.5	139 *	139 *	139 *	139 *	139 *	138 *	138 *	138 *	136 *	135 *
-25.5	119 *	119 *	118 *	119 *	119 *	118 *	118 *	117 *	116 *	116 *
-29.0	102 *	102 *	101 *	102 *	102 *	101 *	101 *	100 *	100 *	99 *
-33.0	89 *	89 *	89 *	89 *	89 *	89 *	88 *	88 *	87 *	86 *
-37.5	80 *	80 *	80 *	80 *	80 *	80 *	79 *	79 *	78 *	77 *
-42.5	73 *	73 *	73 *	73 *	73 *	73 *	72 *	71 *	71 *	70 *
-47.5	67 *	67 *	67 *	67 *	67 *	67 *	67 *	66 *	65 *	65 *
-55.0	59 *	59 *	59 *	59 *	59 *	59 *	58 *	57 *	56 *	56 *
-65.0	42	42	42	42	42	42	41	40	40	39
-75.0	20	20	20	20	20	20	20	20	19	18
-85.0	1	1	1	1	1	1	1	2	2	2
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles  
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	0	1
75.0	18	17	16	16	15	13	12	10	9	7
65.0	39	38	36	34	32	30	27	24	21	18
55.0	55 *	54 *	52 *	50 *	48	45	42	38	34	30
47.5	64 *	63 *	61 *	59 *	57 *	55 *	51 *	48	44	40
42.5	69 *	68 *	67 *	65 *	63 *	60 *	58 *	55 *	51 *	47
37.5	76 *	75 *	74 *	72 *	71 *	69 *	66 *	63 *	60 *	56 *
33.0	85 *	85 *	84 *	82 *	81 *	79 *	76 *	73 *	70 *	66 *
29.0	99 *	98 *	96 *	95 *	93 *	91 *	88 *	86 *	82 *	77 *
25.5	115 *	114 *	112 *	111 *	108 *	106 *	103 *	99 *	94 *	89 *

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**CANDELA TABULATION - (Cont.)**

22.5	134 *	133 *	131 *	129 *	126 *	123 *	119 *	115 *	109 *	101 *
19.5	161 *	160 *	157 *	153 *	150 *	146 *	141 *	134 *	125 *	115 *
17.0	191 *	188 *	185 *	179 *	175 *	170 *	162 *	153 *	142 *	127 *
15.0	219 *	215 *	211 *	206 *	200 *	191 *	183 *	171 *	157 *	139 *
13.0	251 *	248 *	242 *	236 *	228 *	218 *	205 *	191 *	172 *	150 *
11.0	289 *	284 *	277 *	269 *	259 *	247 *	231 *	213 *	188 *	161 *
9.0	331 *	326 *	318 *	306 *	294 *	278 *	258 *	235 *	204 *	171 *
7.0	374 *	368 *	358 *	346 *	331 *	310 *	285 *	256 *	219 *	181 *
5.0	419 *	413 *	400 *	383 *	368 *	341 *	311 *	275 *	234 *	189 *
3.0	447 *	441 *	429 *	413 *	392 *	368 *	334 *	289 *	243 *	194 *
1.0	460 *	454 *	444 *	429 *	408 *	380 *	346 *	297 *	248 *	197 *
0.0	463 *	457 *	447 *	434 *	414 *	385 *	352 *	301 *	250 *	199 *
-1.0	460 *	454 *	444 *	429 *	408 *	380 *	346 *	297 *	248 *	197 *
-3.0	447 *	441 *	429 *	413 *	392 *	368 *	334 *	289 *	243 *	194 *
-5.0	419 *	413 *	400 *	383 *	368 *	341 *	311 *	275 *	234 *	189 *
-7.0	374 *	368 *	358 *	346 *	331 *	310 *	285 *	256 *	219 *	181 *
-9.0	331 *	326 *	318 *	306 *	294 *	278 *	258 *	235 *	204 *	171 *
-11.0	289 *	284 *	277 *	269 *	259 *	247 *	231 *	213 *	188 *	161 *
-13.0	251 *	248 *	242 *	236 *	228 *	218 *	205 *	191 *	172 *	150 *
-15.0	219 *	215 *	211 *	206 *	200 *	191 *	183 *	171 *	157 *	139 *
-17.0	191 *	188 *	185 *	179 *	175 *	170 *	162 *	153 *	142 *	127 *
-19.5	161 *	160 *	157 *	153 *	150 *	146 *	141 *	134 *	125 *	115 *
-22.5	134 *	133 *	131 *	129 *	126 *	123 *	119 *	115 *	109 *	101 *
-25.5	115 *	114 *	112 *	111 *	108 *	106 *	103 *	99 *	94 *	89 *
-29.0	99 *	98 *	96 *	95 *	93 *	91 *	88 *	86 *	82 *	77 *
-33.0	85 *	85 *	84 *	82 *	81 *	79 *	76 *	73 *	70 *	66 *
-37.5	76 *	75 *	74 *	72 *	71 *	69 *	66 *	63 *	60 *	56 *
-42.5	69 *	68 *	67 *	65 *	63 *	60 *	58 *	55 *	51 *	47
-47.5	64 *	63 *	61 *	59 *	57 *	55 *	51 *	48	44	40
-55.0	55 *	54 *	52 *	50 *	48	45	42	38	34	30
-65.0	39	38	36	34	32	30	27	24	21	18
-75.0	18	17	16	16	15	13	12	10	9	7
-85.0	2	2	2	2	2	1	1	1	0	1
-90.0	0	0	0	0	0	0	0	0	0	0

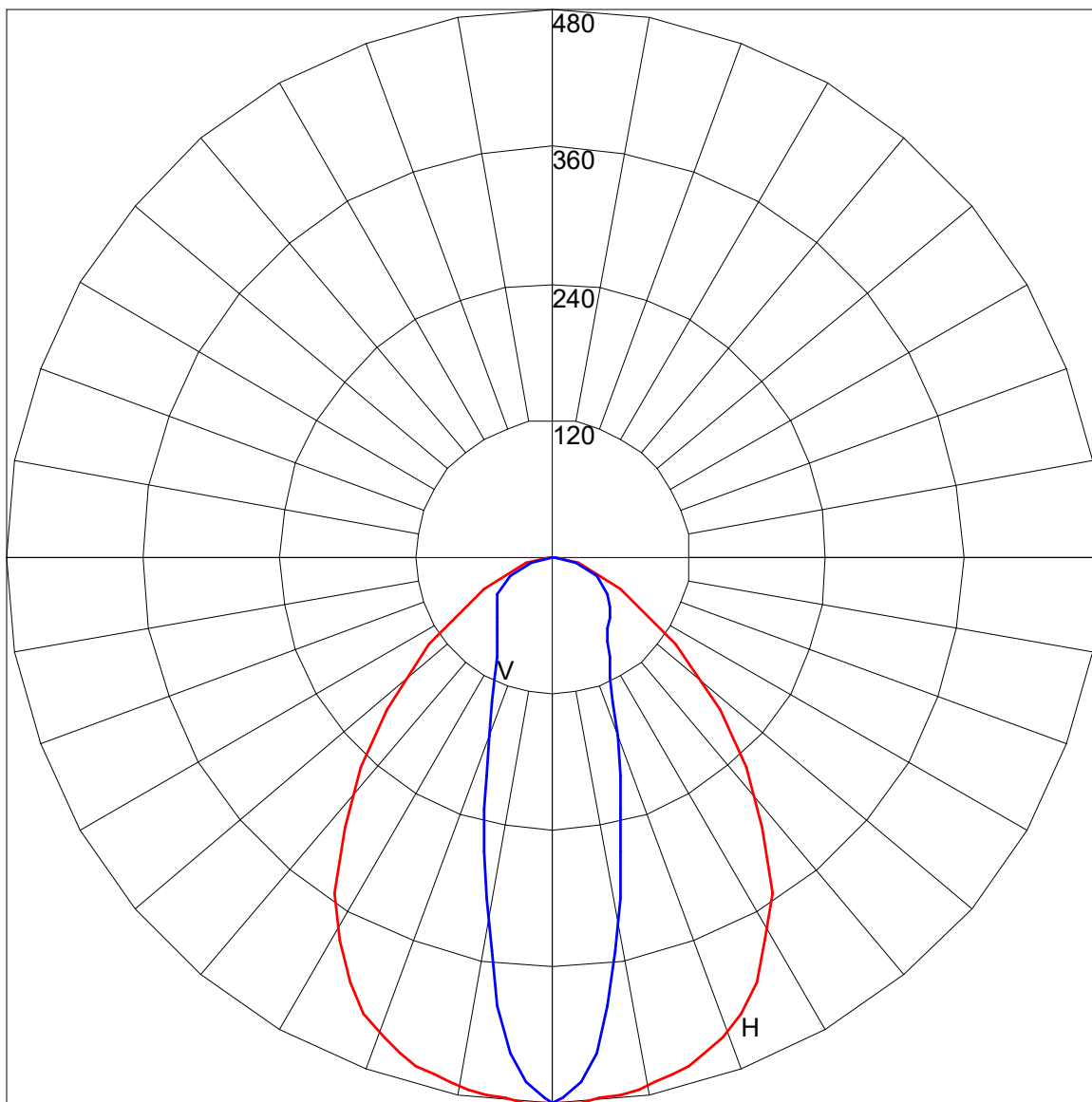
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	1	1	0	0
75.0	5	3	2	1	0
65.0	13	8	3	1	0
55.0	24	15	6	1	0
47.5	33	23	10	1	0
42.5	41	28	12	1	0
37.5	49 *	33	14	2	0
33.0	58 *	38	15	2	0
29.0	66 *	43	17	2	0
25.5	75 *	48	19	2	0
22.5	84 *	51 *	20	2	0
19.5	92 *	54 *	21	2	0
17.0	100 *	56 *	21	2	0
15.0	106 *	58 *	22	2	0
13.0	111 *	60 *	22	2	0
11.0	116 *	62 *	23	2	0
9.0	121 *	63 *	23	2	0

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CANDELA TABULATION - (Cont.)

7.0	125 *	64 *	23	2	0
5.0	127 *	65 *	24	2	0
3.0	130 *	65 *	24	2	0
1.0	131 *	66 *	24	2	0
0.0	132 *	66 *	24	2	0
-1.0	131 *	66 *	24	2	0
-3.0	130 *	65 *	24	2	0
-5.0	127 *	65 *	24	2	0
-7.0	125 *	64 *	23	2	0
-9.0	121 *	63 *	23	2	0
-11.0	116 *	62 *	23	2	0
-13.0	111 *	60 *	22	2	0
-15.0	106 *	58 *	22	2	0
-17.0	100 *	56 *	21	2	0
-19.5	92 *	54 *	21	2	0
-22.5	84 *	51 *	20	2	0
-25.5	75 *	48	19	2	0
-29.0	66 *	43	17	2	0
-33.0	58 *	38	15	2	0
-37.5	49 *	33	14	2	0
-42.5	41	28	12	1	0
-47.5	33	23	10	1	0
-55.0	24	15	6	1	0
-65.0	13	8	3	1	0
-75.0	5	3	2	1	0
-85.0	0	1	1	0	0
-90.0	0	0	0	0	0

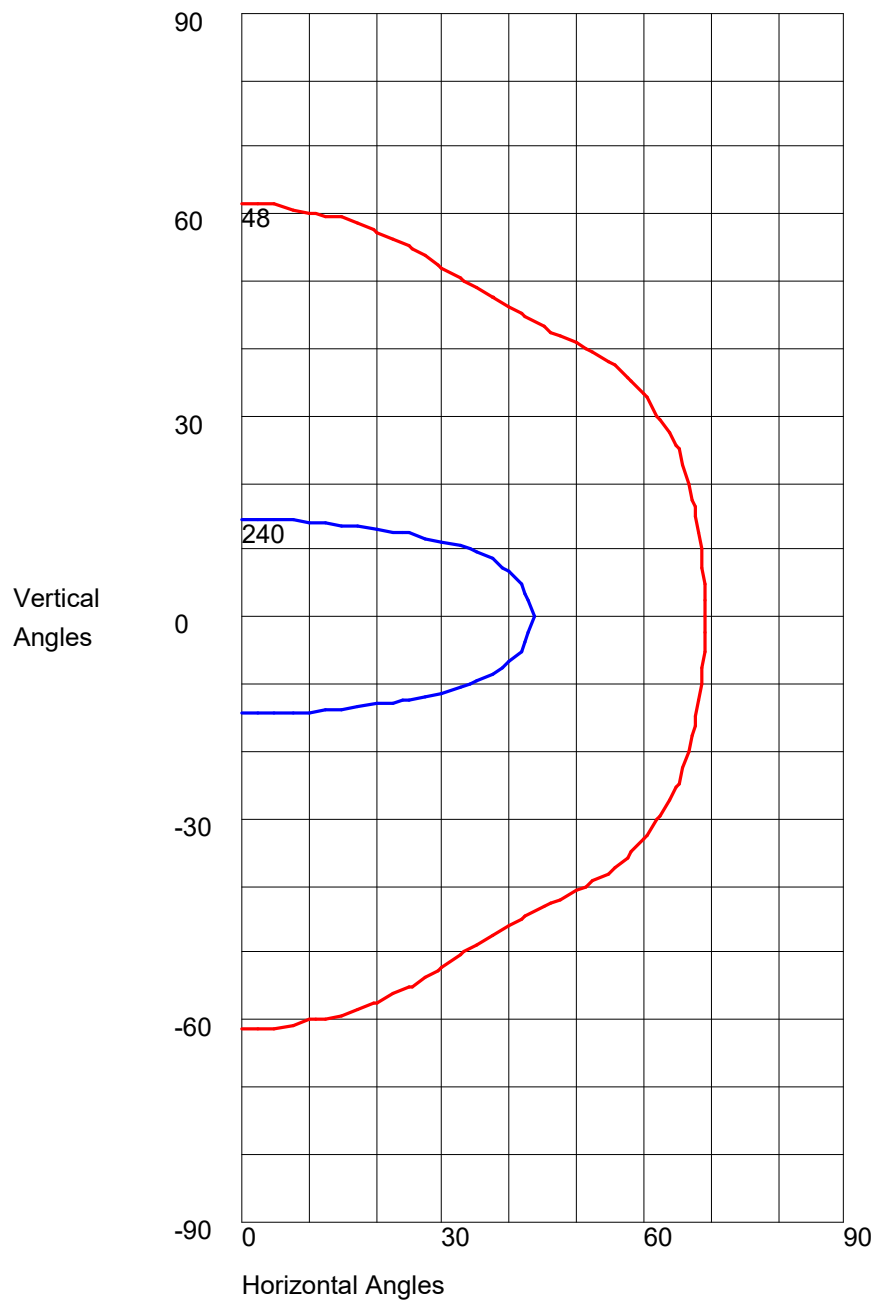
AXIAL CANDELA DISPLAY



Maximum Candela = 480 Located At Horizontal Angle =-3, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela



ISOCANDELA CURVES



Maximum Candela = 480 Located At Horizontal Angle = -3, Vertical Angle = 0  
50% Maximum Candela = 240  
10% Maximum Candela = 48