



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510757.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510757

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

[ISSUEDATE] 6/10/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1054-WF-RGBW-(R)

[LUMINAIRE] 1054 Wide Flood Red 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 80239581-33

[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	402
Maximum Candela Angle	-1H -19.5V
Horizontal Beam Angle (50%)	80.0
Vertical Beam Angle (50%)	90.7
Horizontal Field Angle (10%)	147.2
Vertical Field Angle (10%)	148.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	568
Beam Efficiency	N.A.
Field Lumens	859
Field Efficiency	N.A.
Spill Lumens	25
Luminaire Lumens	884
Total Efficiency	N.A.
Total Luminaire Watts	30.72
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	6	85	6
75	40	75	38
65	78	65	70
55	112	55	112
47.5	144	47.5	176
42.5	170	42.5	234
37.5	198	37.5	296
33	225	33	345
29	250	29	376
25.5	273	25.5	394
22.5	290	22.5	402
19.5	306	19.5	402
17	318	17	399
15	328	15	396
13	336	13	391
11	343	11	385
9	349	9	380
7	355	7	375
5	358	5	370
3	361	3	368
1	363	1	366
0	364	0	364
-1	363	-1	366
-3	361	-3	368
-5	358	-5	370
-7	355	-7	375
-9	349	-9	380
-11	343	-11	385
-13	336	-13	391
-15	328	-15	396
-17	318	-17	399
-19.5	306	-19.5	402
-22.5	290	-22.5	402
-25.5	273	-25.5	394
-29	250	-29	376
-33	225	-33	345
-37.5	198	-37.5	296
-42.5	170	-42.5	234
-47.5	144	-47.5	176
-55	112	-55	112
-65	78	-65	70
-75	40	-75	38
-85	6	-85	6
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 402

Beam Edge = 201 Cd (50% of Max.)

Field Edge = 40.2 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	2	3	3	3	3	3	4
75.0	0	1	4	9	15	20	23	27	30	32
65.0	0	2	9	21	36	44 *	51 *	56 *	61 *	63 *
55.0	0	3	15	36	57 *	71 *	81 *	91 *	98 *	102 *
47.5	0	3	20	46 *	73 *	94 *	111 *	128 *	141 *	150 *
42.5	0	4	24	53 *	82 *	110 *	132 *	156 *	175 *	191 *
37.5	0	4	27	58 *	91 *	125 *	153 *	182 *	210 *	230 *
33.0	0	5	30	63 *	99 *	135 *	166 *	202 *	235 *	260 *
29.0	0	5	32	67 *	104 *	142 *	175 *	213 *	248 *	278 *
25.5	0	5	34	70 *	108 *	147 *	181 *	219 *	254 *	285 *
22.5	0	5	35	72 *	110 *	149 *	182 *	220 *	256 *	287 *
19.5	0	6	36	74 *	112 *	150 *	182 *	219 *	254 *	284 *
17.0	0	6	37	75 *	113 *	149 *	181 *	217 *	250 *	281 *
15.0	0	6	38	76 *	113 *	149 *	180 *	214 *	247 *	277 *
13.0	0	6	38	76 *	113 *	149 *	179 *	211 *	244 *	272 *
11.0	0	6	39	76 *	113 *	147 *	176 *	208 *	240 *	267 *
9.0	0	6	39	77 *	113 *	147 *	174 *	206 *	236 *	262 *
7.0	0	6	40	77 *	113 *	146 *	173 *	204 *	233 *	259 *
5.0	0	6	40	78 *	113 *	145 *	171 *	202 *	230 *	256 *
3.0	0	6	40	78 *	113 *	145 *	171 *	200 *	228 *	253 *
1.0	0	6	40	78 *	112 *	144 *	170 *	199 *	226 *	251 *
0.0	0	6	40	78 *	112 *	144 *	170 *	198 *	225 *	250 *
-1.0	0	6	40	78 *	112 *	144 *	170 *	199 *	226 *	251 *
-3.0	0	6	40	78 *	113 *	145 *	171 *	200 *	228 *	253 *
-5.0	0	6	40	78 *	113 *	145 *	171 *	202 *	230 *	256 *
-7.0	0	6	40	77 *	113 *	146 *	173 *	204 *	233 *	259 *
-9.0	0	6	39	77 *	113 *	147 *	174 *	206 *	236 *	262 *
-11.0	0	6	39	76 *	113 *	147 *	176 *	208 *	240 *	267 *
-13.0	0	6	38	76 *	113 *	149 *	179 *	211 *	244 *	272 *
-15.0	0	6	38	76 *	113 *	149 *	180 *	214 *	247 *	277 *
-17.0	0	6	37	75 *	113 *	149 *	181 *	217 *	250 *	281 *
-19.5	0	6	36	74 *	112 *	150 *	182 *	219 *	254 *	284 *
-22.5	0	5	35	72 *	110 *	149 *	182 *	220 *	256 *	287 *
-25.5	0	5	34	70 *	108 *	147 *	181 *	219 *	254 *	285 *
-29.0	0	5	32	67 *	104 *	142 *	175 *	213 *	248 *	278 *
-33.0	0	5	30	63 *	99 *	135 *	166 *	202 *	235 *	260 *
-37.5	0	4	27	58 *	91 *	125 *	153 *	182 *	210 *	230 *
-42.5	0	4	24	53 *	82 *	110 *	132 *	156 *	175 *	191 *
-47.5	0	3	20	46 *	73 *	94 *	111 *	128 *	141 *	150 *
-55.0	0	3	15	36	57 *	71 *	81 *	91 *	98 *	102 *
-65.0	0	2	9	21	36	44 *	51 *	56 *	61 *	63 *
-75.0	0	1	4	9	15	20	23	27	30	32
-85.0	0	0	1	2	3	3	3	3	3	4
-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	5	5	4	4	4	5	6	6	5	4
75.0	34	35	35	36	36	37	37	37	38	38
65.0	65 *	66 *	67 *	68 *	69 *	70 *	69 *	69 *	69 *	70 *
55.0	106 *	107 *	108 *	109 *	111 *	112 *	112 *	112 *	112 *	112 *
47.5	157 *	162 *	167 *	169 *	170 *	172 *	174 *	175 *	176 *	175 *
42.5	202 *	210 *	217 *	221 *	223 *	226 *	229 *	231 *	233 *	234 *
37.5	246 *	258 *	268 *	275 *	279 *	284 *	287 *	291 *	293 *	294 *
33.0	280 *	295 *	308 *	317 *	323 *	328 *	333 *	337 *	340 *	342 *
29.0	300 *	317 *	332 *	343 *	351 *	356 *	361 *	367 *	371 *	373 *
25.5	309 *	328 *	345 *	356 *	364 *	371 *	378 *	382 *	386 *	390 *
22.5	312 *	331 *	348 *	361 *	370 *	377 *	383 *	387 *	392 *	396 *
19.5	310 *	329 *	347 *	360 *	369 *	377 *	384 *	389 *	393 *	398 *
17.0	307 *	325 *	343 *	357 *	366 *	374 *	382 *	387 *	390 *	395 *
15.0	302 *	321 *	339 *	352 *	361 *	369 *	377 *	382 *	387 *	390 *
13.0	296 *	316 *	333 *	347 *	356 *	364 *	372 *	378 *	383 *	386 *
11.0	292 *	310 *	327 *	341 *	350 *	360 *	366 *	372 *	377 *	380 *
9.0	286 *	305 *	322 *	335 *	345 *	352 *	360 *	366 *	372 *	375 *
7.0	281 *	300 *	318 *	330 *	339 *	348 *	355 *	361 *	366 *	371 *
5.0	277 *	296 *	314 *	326 *	335 *	343 *	350 *	357 *	361 *	366 *
3.0	275 *	293 *	310 *	323 *	332 *	340 *	348 *	354 *	359 *	362 *
1.0	274 *	291 *	307 *	320 *	329 *	338 *	345 *	351 *	357 *	362 *
0.0	273 *	290 *	306 *	318 *	328 *	336 *	343 *	349 *	355 *	358 *
-1.0	274 *	291 *	307 *	320 *	329 *	338 *	345 *	351 *	357 *	362 *
-3.0	275 *	293 *	310 *	323 *	332 *	340 *	348 *	354 *	359 *	362 *
-5.0	277 *	296 *	314 *	326 *	335 *	343 *	350 *	357 *	361 *	366 *
-7.0	281 *	300 *	318 *	330 *	339 *	348 *	355 *	361 *	366 *	371 *
-9.0	286 *	305 *	322 *	335 *	345 *	352 *	360 *	366 *	372 *	375 *
-11.0	292 *	310 *	327 *	341 *	350 *	360 *	366 *	372 *	377 *	380 *
-13.0	296 *	316 *	333 *	347 *	356 *	364 *	372 *	378 *	383 *	386 *
-15.0	302 *	321 *	339 *	352 *	361 *	369 *	377 *	382 *	387 *	390 *
-17.0	307 *	325 *	343 *	357 *	366 *	374 *	382 *	387 *	390 *	395 *
-19.5	310 *	329 *	347 *	360 *	369 *	377 *	384 *	389 *	393 *	398 *
-22.5	312 *	331 *	348 *	361 *	370 *	377 *	383 *	387 *	392 *	396 *
-25.5	309 *	328 *	345 *	356 *	364 *	371 *	378 *	382 *	386 *	390 *
-29.0	300 *	317 *	332 *	343 *	351 *	356 *	361 *	367 *	371 *	373 *
-33.0	280 *	295 *	308 *	317 *	323 *	328 *	333 *	337 *	340 *	342 *
-37.5	246 *	258 *	268 *	275 *	279 *	284 *	287 *	291 *	293 *	294 *
-42.5	202 *	210 *	217 *	221 *	223 *	226 *	229 *	231 *	233 *	234 *
-47.5	157 *	162 *	167 *	169 *	170 *	172 *	174 *	175 *	176 *	175 *
-55.0	106 *	107 *	108 *	109 *	111 *	112 *	112 *	112 *	112 *	112 *
-65.0	65 *	66 *	67 *	68 *	69 *	70 *	69 *	69 *	69 *	70 *
-75.0	34	35	35	36	36	37	37	37	38	38
-85.0	5	5	4	4	4	5	6	6	5	4
-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	5	6	6	6	5	4	5	6	6	5
75.0	38	38	38	38	38	38	38	37	37	37
65.0	70 *	70 *	70 *	70 *	70 *	70 *	69 *	69 *	69 *	70 *

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CANDELA TABULATION - (Cont.)

55.0	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *
47.5	176 *	176 *	176 *	176 *	176 *	175 *	176 *	175 *	174 *	172 *
42.5	236 *	235 *	234 *	235 *	236 *	234 *	233 *	231 *	229 *	226 *
37.5	295 *	296 *	296 *	296 *	295 *	294 *	293 *	291 *	287 *	284 *
33.0	344 *	345 *	345 *	345 *	344 *	342 *	340 *	337 *	333 *	328 *
29.0	375 *	376 *	376 *	376 *	375 *	373 *	371 *	367 *	361 *	356 *
25.5	393 *	394 *	394 *	394 *	393 *	390 *	386 *	382 *	378 *	371 *
22.5	399 *	401 *	402 *	401 *	399 *	396 *	392 *	387 *	383 *	377 *
19.5	400 *	402 *	402 *	402 *	400 *	398 *	393 *	389 *	384 *	377 *
17.0	398 *	399 *	399 *	399 *	398 *	395 *	390 *	387 *	382 *	374 *
15.0	394 *	396 *	396 *	396 *	394 *	390 *	387 *	382 *	377 *	369 *
13.0	389 *	391 *	391 *	391 *	389 *	386 *	383 *	378 *	372 *	364 *
11.0	383 *	385 *	385 *	385 *	383 *	380 *	377 *	372 *	366 *	360 *
9.0	378 *	380 *	380 *	380 *	378 *	375 *	372 *	366 *	360 *	352 *
7.0	373 *	375 *	375 *	375 *	373 *	371 *	366 *	361 *	355 *	348 *
5.0	368 *	370 *	370 *	370 *	368 *	366 *	361 *	357 *	350 *	343 *
3.0	366 *	367 *	368 *	367 *	366 *	362 *	359 *	354 *	348 *	340 *
1.0	363 *	365 *	366 *	365 *	363 *	362 *	357 *	351 *	345 *	338 *
0.0	361 *	363 *	364 *	363 *	361 *	358 *	355 *	349 *	343 *	336 *
-1.0	363 *	365 *	366 *	365 *	363 *	362 *	357 *	351 *	345 *	338 *
-3.0	366 *	367 *	368 *	367 *	366 *	362 *	359 *	354 *	348 *	340 *
-5.0	368 *	370 *	370 *	370 *	368 *	366 *	361 *	357 *	350 *	343 *
-7.0	373 *	375 *	375 *	375 *	373 *	371 *	366 *	361 *	355 *	348 *
-9.0	378 *	380 *	380 *	380 *	378 *	375 *	372 *	366 *	360 *	352 *
-11.0	383 *	385 *	385 *	385 *	383 *	380 *	377 *	372 *	366 *	360 *
-13.0	389 *	391 *	391 *	391 *	389 *	386 *	383 *	378 *	372 *	364 *
-15.0	394 *	396 *	396 *	396 *	394 *	390 *	387 *	382 *	377 *	369 *
-17.0	398 *	399 *	399 *	399 *	398 *	395 *	390 *	387 *	382 *	374 *
-19.5	400 *	402 *	402 *	402 *	400 *	398 *	393 *	389 *	384 *	377 *
-22.5	399 *	401 *	402 *	401 *	399 *	396 *	392 *	387 *	383 *	377 *
-25.5	393 *	394 *	394 *	394 *	393 *	390 *	386 *	382 *	378 *	371 *
-29.0	375 *	376 *	376 *	376 *	375 *	373 *	371 *	367 *	361 *	356 *
-33.0	344 *	345 *	345 *	345 *	344 *	342 *	340 *	337 *	333 *	328 *
-37.5	295 *	296 *	296 *	296 *	295 *	294 *	293 *	291 *	287 *	284 *
-42.5	236 *	235 *	234 *	235 *	236 *	234 *	233 *	231 *	229 *	226 *
-47.5	176 *	176 *	176 *	176 *	176 *	175 *	176 *	175 *	174 *	172 *
-55.0	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *	112 *
-65.0	70 *	70 *	70 *	70 *	70 *	70 *	69 *	69 *	69 *	70 *
-75.0	38	38	38	38	38	38	38	37	37	37
-85.0	5	6	6	6	5	4	5	6	6	5
-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	4	4	4	5	5	4	3	3	3	3
75.0	36	36	35	35	34	32	30	27	23	20
65.0	69 *	68 *	67 *	66 *	65 *	63 *	61 *	56 *	51 *	44 *
55.0	111 *	109 *	108 *	107 *	106 *	102 *	98 *	91 *	81 *	71 *
47.5	170 *	169 *	167 *	162 *	157 *	150 *	141 *	128 *	111 *	94 *
42.5	223 *	221 *	217 *	210 *	202 *	191 *	175 *	156 *	132 *	110 *
37.5	279 *	275 *	268 *	258 *	246 *	230 *	210 *	182 *	153 *	125 *
33.0	323 *	317 *	308 *	295 *	280 *	260 *	235 *	202 *	166 *	135 *
29.0	351 *	343 *	332 *	317 *	300 *	278 *	248 *	213 *	175 *	142 *
25.5	364 *	356 *	345 *	328 *	309 *	285 *	254 *	219 *	181 *	147 *

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CANDELA TABULATION - (Cont.)

22.5	370 *	361 *	348 *	331 *	312 *	287 *	256 *	220 *	182 *	149 *
19.5	369 *	360 *	347 *	329 *	310 *	284 *	254 *	219 *	182 *	150 *
17.0	366 *	357 *	343 *	325 *	307 *	281 *	250 *	217 *	181 *	149 *
15.0	361 *	352 *	339 *	321 *	302 *	277 *	247 *	214 *	180 *	149 *
13.0	356 *	347 *	333 *	316 *	296 *	272 *	244 *	211 *	179 *	149 *
11.0	350 *	341 *	327 *	310 *	292 *	267 *	240 *	208 *	176 *	147 *
9.0	345 *	335 *	322 *	305 *	286 *	262 *	236 *	206 *	174 *	147 *
7.0	339 *	330 *	318 *	300 *	281 *	259 *	233 *	204 *	173 *	146 *
5.0	335 *	326 *	314 *	296 *	277 *	256 *	230 *	202 *	171 *	145 *
3.0	332 *	323 *	310 *	293 *	275 *	253 *	228 *	200 *	171 *	145 *
1.0	329 *	320 *	307 *	291 *	274 *	251 *	226 *	199 *	170 *	144 *
0.0	328 *	318 *	306 *	290 *	273 *	250 *	225 *	198 *	170 *	144 *
-1.0	329 *	320 *	307 *	291 *	274 *	251 *	226 *	199 *	170 *	144 *
-3.0	332 *	323 *	310 *	293 *	275 *	253 *	228 *	200 *	171 *	145 *
-5.0	335 *	326 *	314 *	296 *	277 *	256 *	230 *	202 *	171 *	145 *
-7.0	339 *	330 *	318 *	300 *	281 *	259 *	233 *	204 *	173 *	146 *
-9.0	345 *	335 *	322 *	305 *	286 *	262 *	236 *	206 *	174 *	147 *
-11.0	350 *	341 *	327 *	310 *	292 *	267 *	240 *	208 *	176 *	147 *
-13.0	356 *	347 *	333 *	316 *	296 *	272 *	244 *	211 *	179 *	149 *
-15.0	361 *	352 *	339 *	321 *	302 *	277 *	247 *	214 *	180 *	149 *
-17.0	366 *	357 *	343 *	325 *	307 *	281 *	250 *	217 *	181 *	149 *
-19.5	369 *	360 *	347 *	329 *	310 *	284 *	254 *	219 *	182 *	150 *
-22.5	370 *	361 *	348 *	331 *	312 *	287 *	256 *	220 *	182 *	149 *
-25.5	364 *	356 *	345 *	328 *	309 *	285 *	254 *	219 *	181 *	147 *
-29.0	351 *	343 *	332 *	317 *	300 *	278 *	248 *	213 *	175 *	142 *
-33.0	323 *	317 *	308 *	295 *	280 *	260 *	235 *	202 *	166 *	135 *
-37.5	279 *	275 *	268 *	258 *	246 *	230 *	210 *	182 *	153 *	125 *
-42.5	223 *	221 *	217 *	210 *	202 *	191 *	175 *	156 *	132 *	110 *
-47.5	170 *	169 *	167 *	162 *	157 *	150 *	141 *	128 *	111 *	94 *
-55.0	111 *	109 *	108 *	107 *	106 *	102 *	98 *	91 *	81 *	71 *
-65.0	69 *	68 *	67 *	66 *	65 *	63 *	61 *	56 *	51 *	44 *
-75.0	36	36	35	35	34	32	30	27	23	20
-85.0	4	4	4	5	5	4	3	3	3	3
-90.0	0	0	0	0	0	0	0	0	0	0

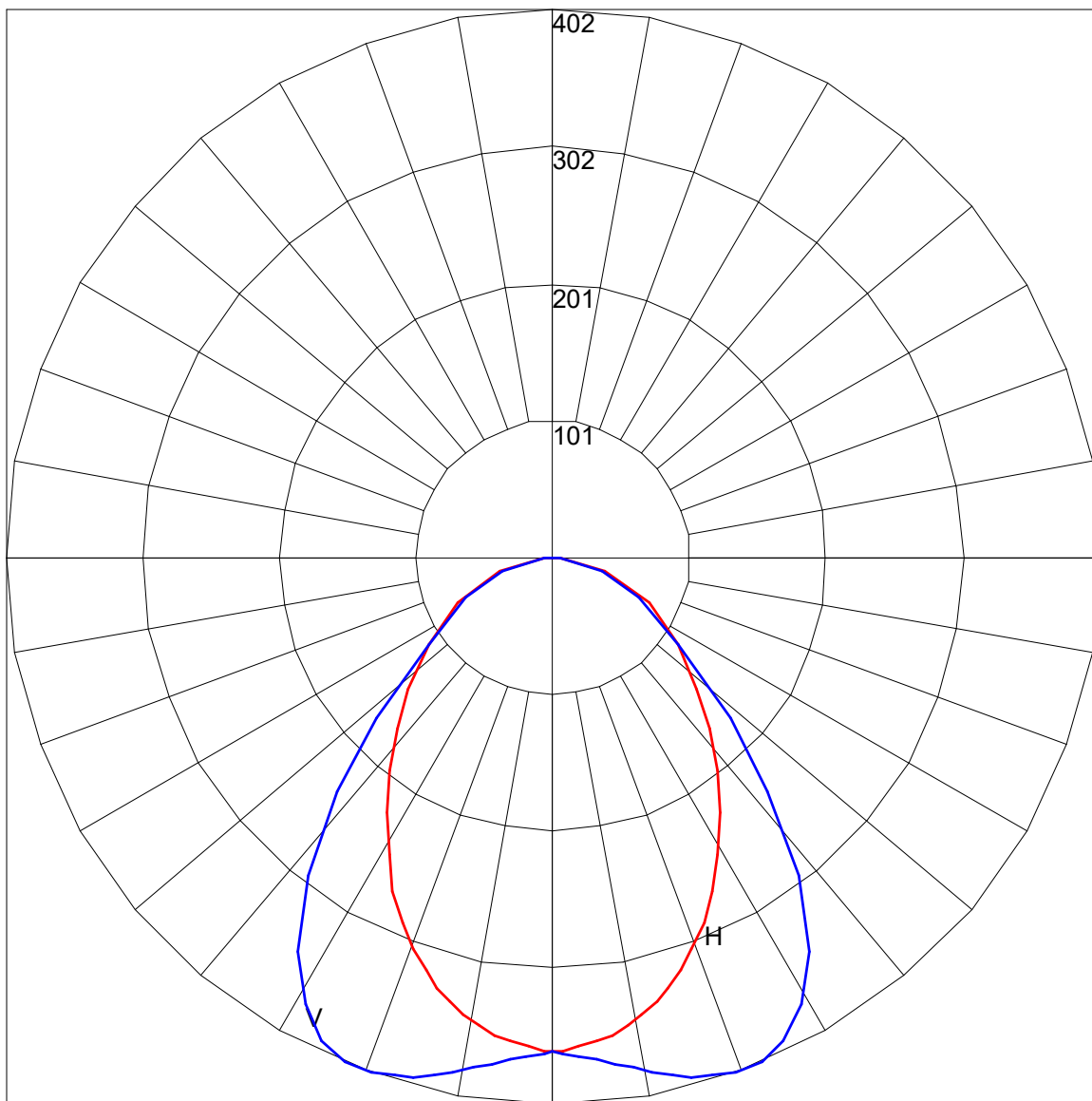
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	3	2	1	0	0
75.0	15	9	4	1	0
65.0	36	21	9	2	0
55.0	57 *	36	15	3	0
47.5	73 *	46 *	20	3	0
42.5	82 *	53 *	24	4	0
37.5	91 *	58 *	27	4	0
33.0	99 *	63 *	30	5	0
29.0	104 *	67 *	32	5	0
25.5	108 *	70 *	34	5	0
22.5	110 *	72 *	35	5	0
19.5	112 *	74 *	36	6	0
17.0	113 *	75 *	37	6	0
15.0	113 *	76 *	38	6	0
13.0	113 *	76 *	38	6	0
11.0	113 *	76 *	39	6	0
9.0	113 *	77 *	39	6	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510757.IES

CANDELA TABULATION - (Cont.)

7.0	113 *	77 *	40	6	0
5.0	113 *	78 *	40	6	0
3.0	113 *	78 *	40	6	0
1.0	112 *	78 *	40	6	0
0.0	112 *	78 *	40	6	0
-1.0	112 *	78 *	40	6	0
-3.0	113 *	78 *	40	6	0
-5.0	113 *	78 *	40	6	0
-7.0	113 *	77 *	40	6	0
-9.0	113 *	77 *	39	6	0
-11.0	113 *	76 *	39	6	0
-13.0	113 *	76 *	38	6	0
-15.0	113 *	76 *	38	6	0
-17.0	113 *	75 *	37	6	0
-19.5	112 *	74 *	36	6	0
-22.5	110 *	72 *	35	5	0
-25.5	108 *	70 *	34	5	0
-29.0	104 *	67 *	32	5	0
-33.0	99 *	63 *	30	5	0
-37.5	91 *	58 *	27	4	0
-42.5	82 *	53 *	24	4	0
-47.5	73 *	46 *	20	3	0
-55.0	57 *	36	15	3	0
-65.0	36	21	9	2	0
-75.0	15	9	4	1	0
-85.0	3	2	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY

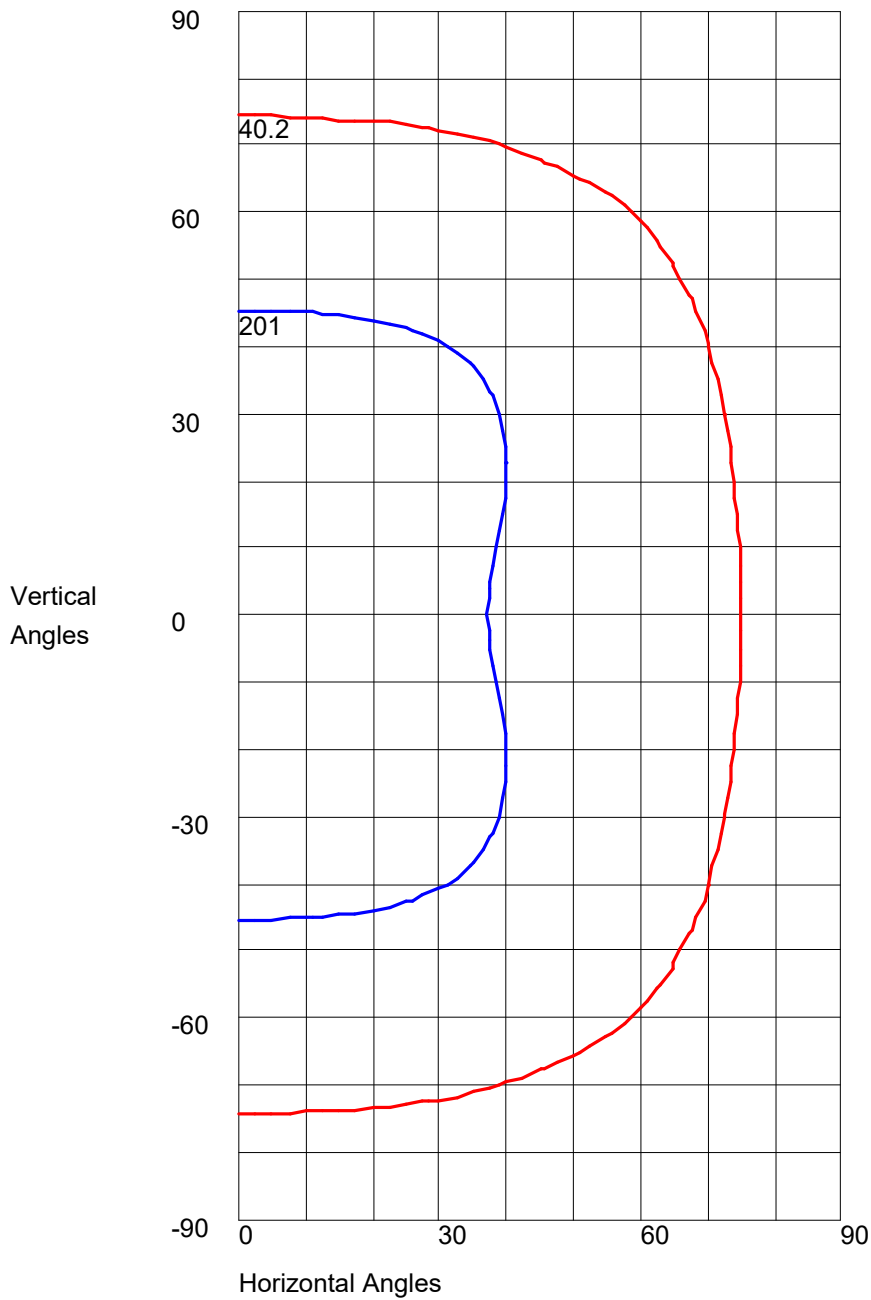


Maximum Candela = 402 Located At Horizontal Angle =-1, Vertical Angle =-19.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 402 Located At Horizontal Angle =-1, Vertical Angle =-19.5
50% Maximum Candela = 201
10% Maximum Candela = 40.2