



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510769.IES

DESCRIPTIVE INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] L052510769

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

[ISSUEDATE] 6/10/2025

[MANUFAC] Vista Professional Outdoor Lighting

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

[LUMINAIRE] 1054 Asymmetric 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 80239581-45

[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	528
Maximum Candela Angle	-1H 33V
Horizontal Beam Angle (50%)	96.4
Vertical Beam Angle (50%)	68.5
Horizontal Field Angle (10%)	139.7
Vertical Field Angle (10%)	104.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	621
Beam Efficiency	N.A.
Field Lumens	859
Field Efficiency	N.A.
Spill Lumens	49
Luminaire Lumens	908
Total Efficiency	N.A.
Total Luminaire Watts	29
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	2
75	32	75	42
65	84	65	122
55	170	55	296
47.5	234	47.5	454
42.5	268	42.5	506
37.5	294	37.5	526
33	316	33	528
29	331	29	527
25.5	342	25.5	523
22.5	350	22.5	518
19.5	359	19.5	508
17	363	17	497
15	368	15	486
13	371	13	475
11	373	11	462
9	375	9	448
7	376	7	432
5	378	5	418
3	380	3	404
1	380	1	388
0	380	0	380
-1	380	-1	374
-3	380	-3	360
-5	378	-5	346
-7	376	-7	328
-9	375	-9	305
-11	373	-11	277
-13	371	-13	245
-15	368	-15	210
-17	363	-17	175
-19.5	359	-19.5	134
-22.5	350	-22.5	98
-25.5	342	-25.5	75
-29	331	-29	58
-33	316	-33	45
-37.5	294	-37.5	36
-42.5	268	-42.5	26
-47.5	234	-47.5	20
-55	170	-55	14
-65	84	-65	10
-75	32	-75	6
-85	2	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 528

Beam Edge = 264 Cd (50% of Max.)

Field Edge = 52.8 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	1	1	2	2	3	3
75.0	0	0	2	7	14	20	25	29	32	35
65.0	0	0	7	19	41	58 *	70 *	81 *	91 *	99 *
55.0	0	0	12	39	78 *	113 *	140 *	167 *	192 *	214 *
47.5	0	1	17	53 *	110 *	169 *	214 *	262 *	300 *	334 *
42.5	0	1	20	63 *	134 *	209 *	264 *	319 *	364 *	400 *
37.5	0	1	23	72 *	157 *	248 *	307 *	362 *	403 *	433 *
33.0	0	1	25	79 *	177 *	273 *	333 *	382 *	420 *	445 *
29.0	0	1	28	85 *	190 *	288 *	344 *	389 *	422 *	447 *
25.5	0	2	29	90 *	198 *	295 *	346 *	389 *	420 *	446 *
22.5	0	2	30	92 *	204 *	297 *	345 *	386 *	417 *	441 *
19.5	0	2	31	94 *	205 *	295 *	342 *	380 *	411 *	434 *
17.0	0	2	31	95 *	205 *	292 *	337 *	374 *	404 *	426 *
15.0	0	2	31	95 *	204 *	288 *	332 *	368 *	396 *	418 *
13.0	0	2	32	95 *	202 *	283 *	326 *	360 *	388 *	408 *
11.0	0	2	32	94 *	200 *	278 *	319 *	352 *	379 *	398 *
9.0	0	2	32	93 *	196 *	271 *	311 *	343 *	369 *	387 *
7.0	0	2	32	92 *	192 *	264 *	302 *	333 *	357 *	375 *
5.0	0	2	33	90 *	187 *	256 *	293 *	322 *	346 *	363 *
3.0	0	2	32	88 *	181 *	248 *	284 *	311 *	334 *	350 *
1.0	0	2	32	85 *	174 *	239 *	273 *	300 *	322 *	337 *
0.0	0	2	32	84 *	170 *	234 *	268 *	294 *	316 *	331 *
-1.0	0	2	32	83 *	166 *	228 *	262 *	288 *	309 *	325 *
-3.0	0	2	31	81 *	158 *	216 *	250 *	276 *	297 *	312 *
-5.0	0	2	31	78 *	149 *	203 *	235 *	261 *	282 *	297 *
-7.0	0	2	30	75 *	140 *	190 *	219 *	244 *	265 *	279 *
-9.0	0	2	29	72 *	131 *	176 *	203 *	225 *	243 *	258 *
-11.0	0	2	29	69 *	122 *	162 *	185 *	205 *	220 *	233 *
-13.0	0	2	28	66 *	113 *	148 *	167 *	183 *	197 *	206 *
-15.0	0	2	27	63 *	104 *	134 *	150 *	162 *	172 *	179 *
-17.0	0	2	26	59 *	96 *	120 *	133 *	142 *	148 *	154 *
-19.5	0	2	25	55 *	87 *	105 *	113 *	119 *	122 *	125 *
-22.5	0	2	24	50	76 *	88 *	93 *	96 *	96 *	97 *
-25.5	0	2	22	46	66 *	75 *	76 *	78 *	78 *	76 *
-29.0	0	1	20	41	56 *	61 *	62 *	62 *	61 *	60 *
-33.0	0	1	17	37	47	50	49	48	47	46
-37.5	0	1	15	32	39	40	40	38	37	36
-42.5	0	1	12	26	32	32	31	30	28	28
-47.5	0	1	10	21	27	26	25	23	23	22
-55.0	0	0	7	15	19	19	19	17	16	16
-65.0	0	0	3	7	11	11	11	12	11	10
-75.0	0	0	1	3	4	4	5	5	6	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

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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	3	3	4	4	4	4	4	4	4	4
75.0	38	39	41	42	42	43	44	45	44	44
65.0	105 *	109 *	113 *	117 *	120 *	122 *	124 *	125 *	125 *	125 *
55.0	233 *	246 *	258 *	269 *	276 *	282 *	288 *	293 *	297 *	299 *
47.5	362 *	383 *	401 *	414 *	422 *	431 *	439 *	445 *	449 *	452 *
42.5	424 *	444 *	459 *	471 *	480 *	487 *	492 *	497 *	502 *	504 *
37.5	456 *	471 *	483 *	493 *	501 *	508 *	512 *	516 *	520 *	522 *
33.0	464 *	478 *	491 *	500 *	505 *	511 *	517 *	521 *	523 *	526 *
29.0	466 *	479 *	491 *	500 *	505 *	510 *	516 *	520 *	522 *	525 *
25.5	464 *	477 *	488 *	497 *	503 *	507 *	511 *	517 *	519 *	521 *
22.5	459 *	471 *	482 *	491 *	497 *	501 *	506 *	509 *	512 *	514 *
19.5	451 *	463 *	475 *	483 *	489 *	494 *	497 *	500 *	503 *	506 *
17.0	442 *	454 *	465 *	473 *	479 *	484 *	488 *	490 *	492 *	495 *
15.0	434 *	446 *	456 *	464 *	469 *	474 *	478 *	480 *	481 *	485 *
13.0	424 *	435 *	445 *	452 *	459 *	463 *	466 *	469 *	470 *	472 *
11.0	412 *	423 *	433 *	439 *	444 *	449 *	453 *	454 *	457 *	458 *
9.0	401 *	411 *	420 *	426 *	430 *	434 *	439 *	442 *	443 *	444 *
7.0	389 *	398 *	407 *	413 *	417 *	421 *	424 *	426 *	429 *	430 *
5.0	376 *	385 *	393 *	400 *	403 *	406 *	410 *	411 *	413 *	414 *
3.0	361 *	371 *	380 *	386 *	390 *	393 *	395 *	397 *	399 *	401 *
1.0	348 *	357 *	366 *	371 *	375 *	378 *	381 *	384 *	385 *	387 *
0.0	342 *	350 *	359 *	363 *	368 *	371 *	373 *	375 *	376 *	378 *
-1.0	336 *	344 *	352 *	358 *	362 *	364 *	367 *	370 *	372 *	373 *
-3.0	323 *	331 *	339 *	345 *	349 *	352 *	355 *	356 *	357 *	358 *
-5.0	308 *	316 *	324 *	329 *	332 *	336 *	339 *	340 *	342 *	343 *
-7.0	290 *	297 *	305 *	310 *	314 *	318 *	320 *	321 *	323 *	324 *
-9.0	267 *	275 *	281 *	287 *	292 *	294 *	296 *	298 *	300 *	301 *
-11.0	242 *	248 *	255 *	260 *	264 *	265 *	267 *	270 *	271 *	271 *
-13.0	214 *	220 *	225 *	228 *	231 *	234 *	236 *	237 *	239 *	238 *
-15.0	185 *	189 *	193 *	195 *	197 *	200 *	201 *	201 *	203 *	203 *
-17.0	157 *	159 *	162 *	163 *	164 *	166 *	166 *	167 *	168 *	169 *
-19.5	125 *	127 *	127 *	128 *	128 *	128 *	129 *	130 *	130 *	129 *
-22.5	97 *	97 *	96 *	96 *	95 *	96 *	95 *	96 *	96 *	96 *
-25.5	75 *	75 *	74 *	73 *	73 *	73 *	73 *	73 *	73 *	73 *
-29.0	58 *	57 *	57 *	57 *	56 *	56 *	57 *	56 *	57 *	57 *
-33.0	46	46	46	45	45	45	45	45	45	45
-37.5	36	35	34	34	34	34	34	34	35	35
-42.5	27	26	26	25	25	25	26	26	25	26
-47.5	21	21	20	19	19	19	19	19	20	20
-55.0	15	15	14	14	14	13	13	14	14	14
-65.0	10	10	10	10	9	9	10	10	10	10
-75.0	5	5	5	5	6	5	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	3	2	2	2	3	4	4	4	4	4
75.0	43	42	42	42	43	44	44	45	44	43
65.0	125 *	123 *	122 *	123 *	125 *	125 *	125 *	125 *	124 *	122 *

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CANDELA TABULATION - (Cont.)

55.0	300 *	297 *	296 *	297 *	300 *	299 *	297 *	293 *	288 *	282 *
47.5	456 *	455 *	454 *	455 *	456 *	452 *	449 *	445 *	439 *	431 *
42.5	506 *	506 *	506 *	506 *	506 *	504 *	502 *	497 *	492 *	487 *
37.5	524 *	525 *	526 *	525 *	524 *	522 *	520 *	516 *	512 *	508 *
33.0	527 *	528 *	528 *	528 *	527 *	526 *	523 *	521 *	517 *	511 *
29.0	527 *	527 *	527 *	527 *	527 *	525 *	522 *	520 *	516 *	510 *
25.5	522 *	523 *	523 *	523 *	522 *	521 *	519 *	517 *	511 *	507 *
22.5	515 *	517 *	518 *	517 *	515 *	514 *	512 *	509 *	506 *	501 *
19.5	507 *	508 *	508 *	508 *	507 *	506 *	503 *	500 *	497 *	494 *
17.0	497 *	497 *	497 *	497 *	497 *	495 *	492 *	490 *	488 *	484 *
15.0	485 *	486 *	486 *	486 *	485 *	485 *	481 *	480 *	478 *	474 *
13.0	473 *	475 *	475 *	475 *	473 *	472 *	470 *	469 *	466 *	463 *
11.0	460 *	461 *	462 *	461 *	460 *	458 *	457 *	454 *	453 *	449 *
9.0	445 *	447 *	448 *	447 *	445 *	444 *	443 *	442 *	439 *	434 *
7.0	430 *	432 *	432 *	432 *	430 *	430 *	429 *	426 *	424 *	421 *
5.0	415 *	416 *	418 *	416 *	415 *	414 *	413 *	411 *	410 *	406 *
3.0	400 *	402 *	404 *	402 *	400 *	401 *	399 *	397 *	395 *	393 *
1.0	387 *	387 *	388 *	387 *	387 *	387 *	385 *	384 *	381 *	378 *
0.0	380 *	380 *	380 *	380 *	380 *	378 *	376 *	375 *	373 *	371 *
-1.0	373 *	373 *	374 *	373 *	373 *	373 *	372 *	370 *	367 *	364 *
-3.0	360 *	359 *	360 *	359 *	360 *	358 *	357 *	356 *	355 *	352 *
-5.0	344 *	345 *	346 *	345 *	344 *	343 *	342 *	340 *	339 *	336 *
-7.0	325 *	326 *	328 *	326 *	325 *	324 *	323 *	321 *	320 *	318 *
-9.0	301 *	302 *	305 *	302 *	301 *	301 *	300 *	298 *	296 *	294 *
-11.0	273 *	273 *	277 *	273 *	273 *	271 *	271 *	270 *	267 *	265 *
-13.0	241 *	241 *	245 *	241 *	241 *	238 *	239 *	237 *	236 *	234 *
-15.0	205 *	207 *	210 *	207 *	205 *	203 *	203 *	201 *	201 *	200 *
-17.0	169 *	172 *	175 *	172 *	169 *	169 *	168 *	167 *	166 *	166 *
-19.5	131 *	132 *	134 *	132 *	131 *	129 *	130 *	130 *	129 *	128 *
-22.5	96 *	97 *	98 *	97 *	96 *	96 *	96 *	96 *	95 *	96 *
-25.5	73 *	74 *	75 *	74 *	73 *	73 *	73 *	73 *	73 *	73 *
-29.0	57 *	58 *	58 *	58 *	57 *	57 *	57 *	56 *	57 *	56 *
-33.0	45	45	45	45	45	45	45	45	45	45
-37.5	34	35	36	35	34	35	35	34	34	34
-42.5	26	26	26	26	26	26	25	26	26	25
-47.5	20	20	20	20	20	20	20	19	19	19
-55.0	14	14	14	14	14	14	14	14	13	13
-65.0	10	10	10	10	10	10	10	10	10	9
-75.0	5	6	6	6	5	4	4	4	4	5
-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	4	4	4	3	3	3	3	2	2	1
75.0	42	42	41	39	38	35	32	29	25	20
65.0	120 *	117 *	113 *	109 *	105 *	99 *	91 *	81 *	70 *	58 *
55.0	276 *	269 *	258 *	246 *	233 *	214 *	192 *	167 *	140 *	113 *
47.5	422 *	414 *	401 *	383 *	362 *	334 *	300 *	262 *	214 *	169 *
42.5	480 *	471 *	459 *	444 *	424 *	400 *	364 *	319 *	264 *	209 *
37.5	501 *	493 *	483 *	471 *	456 *	433 *	403 *	362 *	307 *	248 *
33.0	505 *	500 *	491 *	478 *	464 *	445 *	420 *	382 *	333 *	273 *
29.0	505 *	500 *	491 *	479 *	466 *	447 *	422 *	389 *	344 *	288 *
25.5	503 *	497 *	488 *	477 *	464 *	446 *	420 *	389 *	346 *	295 *

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CANDELA TABULATION - (Cont.)

22.5	497 *	491 *	482 *	471 *	459 *	441 *	417 *	386 *	345 *	297 *
19.5	489 *	483 *	475 *	463 *	451 *	434 *	411 *	380 *	342 *	295 *
17.0	479 *	473 *	465 *	454 *	442 *	426 *	404 *	374 *	337 *	292 *
15.0	469 *	464 *	456 *	446 *	434 *	418 *	396 *	368 *	332 *	288 *
13.0	459 *	452 *	445 *	435 *	424 *	408 *	388 *	360 *	326 *	283 *
11.0	444 *	439 *	433 *	423 *	412 *	398 *	379 *	352 *	319 *	278 *
9.0	430 *	426 *	420 *	411 *	401 *	387 *	369 *	343 *	311 *	271 *
7.0	417 *	413 *	407 *	398 *	389 *	375 *	357 *	333 *	302 *	264 *
5.0	403 *	400 *	393 *	385 *	376 *	363 *	346 *	322 *	293 *	256 *
3.0	390 *	386 *	380 *	371 *	361 *	350 *	334 *	311 *	284 *	248 *
1.0	375 *	371 *	366 *	357 *	348 *	337 *	322 *	300 *	273 *	239 *
0.0	368 *	363 *	359 *	350 *	342 *	331 *	316 *	294 *	268 *	234 *
-1.0	362 *	358 *	352 *	344 *	336 *	325 *	309 *	288 *	262 *	228 *
-3.0	349 *	345 *	339 *	331 *	323 *	312 *	297 *	276 *	250 *	216 *
-5.0	332 *	329 *	324 *	316 *	308 *	297 *	282 *	261 *	235 *	203 *
-7.0	314 *	310 *	305 *	297 *	290 *	279 *	265 *	244 *	219 *	190 *
-9.0	292 *	287 *	281 *	275 *	267 *	258 *	243 *	225 *	203 *	176 *
-11.0	264 *	260 *	255 *	248 *	242 *	233 *	220 *	205 *	185 *	162 *
-13.0	231 *	228 *	225 *	220 *	214 *	206 *	197 *	183 *	167 *	148 *
-15.0	197 *	195 *	193 *	189 *	185 *	179 *	172 *	162 *	150 *	134 *
-17.0	164 *	163 *	162 *	159 *	157 *	154 *	148 *	142 *	133 *	120 *
-19.5	128 *	128 *	127 *	127 *	125 *	125 *	122 *	119 *	113 *	105 *
-22.5	95 *	96 *	96 *	97 *	97 *	97 *	96 *	96 *	93 *	88 *
-25.5	73 *	73 *	74 *	75 *	75 *	76 *	78 *	78 *	76 *	75 *
-29.0	56 *	57 *	57 *	57 *	58 *	60 *	61 *	62 *	62 *	61 *
-33.0	45	45	46	46	46	46	47	48	49	50
-37.5	34	34	34	35	36	36	37	38	40	40
-42.5	25	25	26	26	27	28	28	30	31	32
-47.5	19	19	20	21	21	22	23	23	25	26
-55.0	14	14	14	15	15	16	16	17	19	19
-65.0	9	10	10	10	10	10	11	12	11	11
-75.0	6	5	5	5	5	4	6	5	5	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

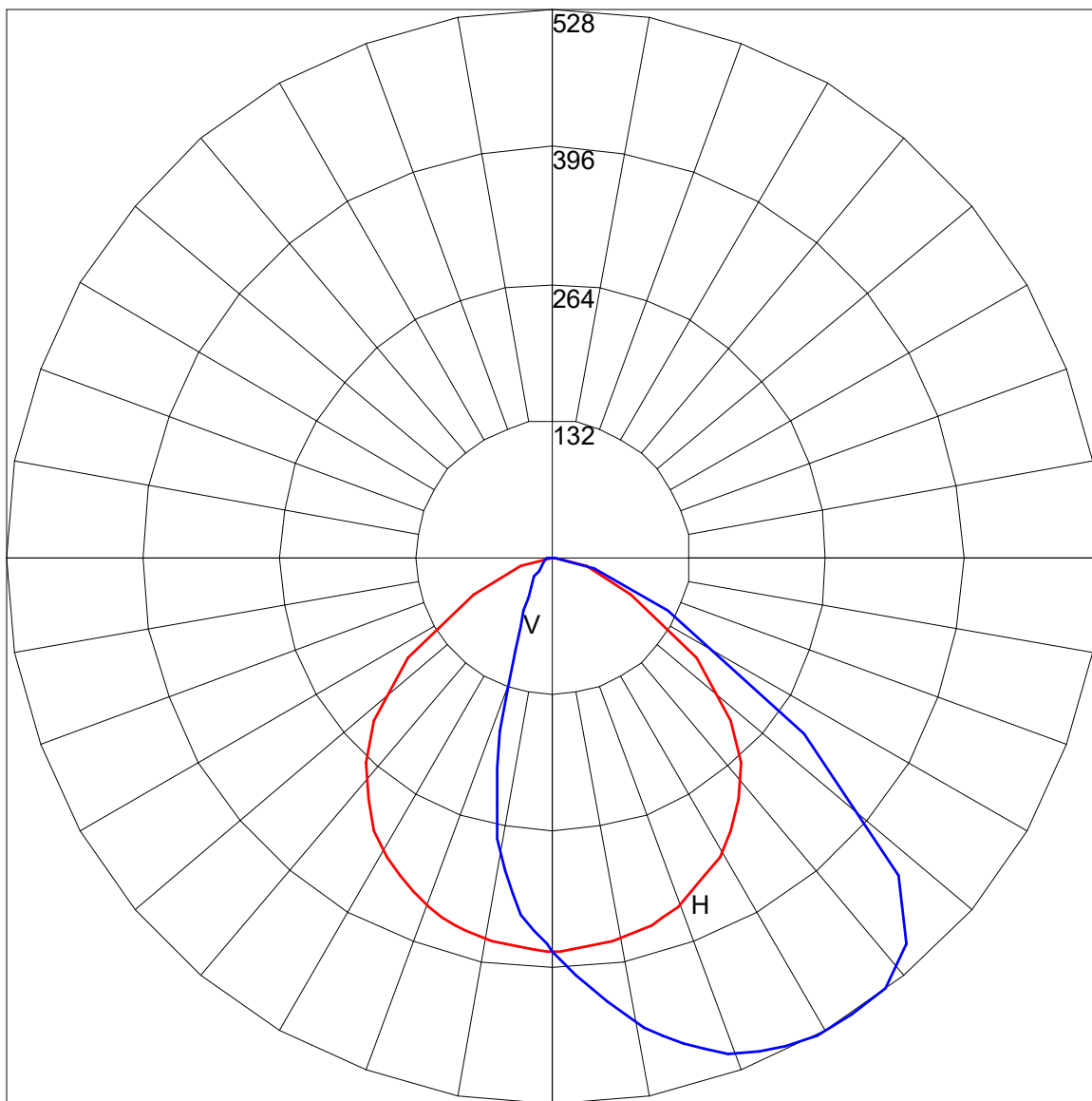
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	1	0	0	0	0
75.0	14	7	2	0	0
65.0	41	19	7	0	0
55.0	78 *	39	12	0	0
47.5	110 *	53 *	17	1	0
42.5	134 *	63 *	20	1	0
37.5	157 *	72 *	23	1	0
33.0	177 *	79 *	25	1	0
29.0	190 *	85 *	28	1	0
25.5	198 *	90 *	29	2	0
22.5	204 *	92 *	30	2	0
19.5	205 *	94 *	31	2	0
17.0	205 *	95 *	31	2	0
15.0	204 *	95 *	31	2	0
13.0	202 *	95 *	32	2	0
11.0	200 *	94 *	32	2	0
9.0	196 *	93 *	32	2	0

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CANDELA TABULATION - (Cont.)

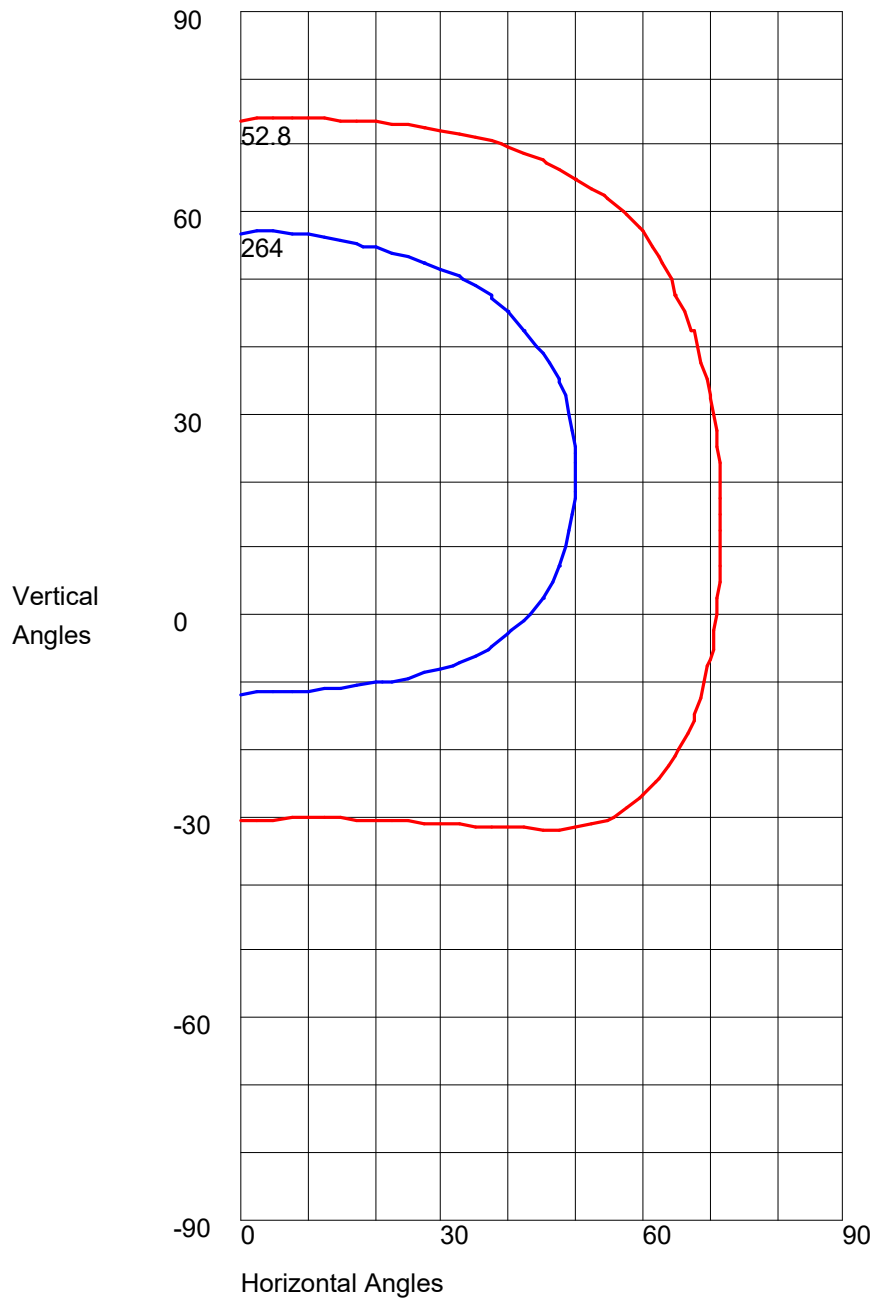
7.0	192 *	92 *	32	2	0
5.0	187 *	90 *	33	2	0
3.0	181 *	88 *	32	2	0
1.0	174 *	85 *	32	2	0
0.0	170 *	84 *	32	2	0
-1.0	166 *	83 *	32	2	0
-3.0	158 *	81 *	31	2	0
-5.0	149 *	78 *	31	2	0
-7.0	140 *	75 *	30	2	0
-9.0	131 *	72 *	29	2	0
-11.0	122 *	69 *	29	2	0
-13.0	113 *	66 *	28	2	0
-15.0	104 *	63 *	27	2	0
-17.0	96 *	59 *	26	2	0
-19.5	87 *	55 *	25	2	0
-22.5	76 *	50	24	2	0
-25.5	66 *	46	22	2	0
-29.0	56 *	41	20	1	0
-33.0	47	37	17	1	0
-37.5	39	32	15	1	0
-42.5	32	26	12	1	0
-47.5	27	21	10	1	0
-55.0	19	15	7	0	0
-65.0	11	7	3	0	0
-75.0	4	3	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 528 Located At Horizontal Angle = -1, Vertical Angle = 33
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 528 Located At Horizontal Angle = -1, Vertical Angle = 33
50% Maximum Candela = 264
10% Maximum Candela = 52.8