



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510749.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510749

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

[ISSUE DATE] 6/2/2025

[MANUFAC] Vista Professional Outdoor Lighting

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

[LUMINAIRE] 1054 Narrow Spot 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 80239581-25

[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	718
Maximum Candela Angle	-5H 0V
Horizontal Beam Angle (50%)	90.5
Vertical Beam Angle (50%)	29.2
Horizontal Field Angle (10%)	138.5
Vertical Field Angle (10%)	122.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	326
Beam Efficiency	N.A.
Field Lumens	707
Field Efficiency	N.A.
Spill Lumens	84
Luminaire Lumens	791
Total Efficiency	N.A.
Total Luminaire Watts	29.74
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	0
75	34	75	30
65	100	65	62
55	208	55	88
47.5	320	47.5	100
42.5	406	42.5	108
37.5	488	37.5	116
33	553	33	128
29	600	29	148
25.5	635	25.5	172
22.5	658	22.5	202
19.5	676	19.5	248
17	688	17	298
15	696	15	346
13	702	13	410
11	708	11	475
9	712	9	542
7	715	7	608
5	718	5	664
3	718	3	699
1	718	1	714
0	718	0	718
-1	718	-1	714
-3	718	-3	699
-5	718	-5	664
-7	715	-7	608
-9	712	-9	542
-11	708	-11	475
-13	702	-13	410
-15	696	-15	346
-17	688	-17	298
-19.5	676	-19.5	248
-22.5	658	-22.5	202
-25.5	635	-25.5	172
-29	600	-29	148
-33	553	-33	128
-37.5	488	-37.5	116
-42.5	406	-42.5	108
-47.5	320	-47.5	100
-55	208	-55	88
-65	100	-65	62
-75	34	-75	30
-85	2	-85	0
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510749.IES

CANDELA TABULATION

Maximum Candela = 718

Beam Edge = 359 Cd (50% of Max.)

Field Edge = 71.8 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	0	0	0	0	0	0
75.0	0	0	1	2	6	8	10	13	16	18
65.0	0	0	4	10	18	24	29	35	40	43
55.0	0	0	8	21	34	43	48	55	60	65
47.5	0	1	12	31	47	56	62	68	75 *	79 *
42.5	0	1	15	40	58	67	73 *	78 *	84 *	88 *
37.5	0	1	18	49	71	80 *	85 *	91 *	95 *	100 *
33.0	0	1	21	57	84 *	96 *	100 *	106 *	109 *	114 *
29.0	0	1	24	63	98 *	112 *	118 *	124 *	128 *	132 *
25.5	0	2	26	70	113 *	131 *	138 *	144 *	150 *	153 *
22.5	0	2	27	75 *	126 *	151 *	161 *	169 *	174 *	179 *
19.5	0	2	28	81 *	140 *	174 *	187 *	200 *	208 *	216 *
17.0	0	2	29	85 *	152 *	194 *	216 *	230 *	243 *	254 *
15.0	0	2	30	88 *	163 *	213 *	239 *	260 *	277 *	290 *
13.0	0	2	31	91 *	172 *	233 *	266 *	294 *	315 *	334 *
11.0	0	2	32	94 *	180 *	252 *	294 *	331 *	359 *	382 *
9.0	0	2	32	96 *	189 *	270 *	323 *	370 *	406 *	436 *
7.0	0	2	33	97 *	197 *	287 *	348 *	407 *	454 *	489 *
5.0	0	2	33	98 *	201 *	302 *	374 *	441 *	495 *	538 *
3.0	0	2	34	99 *	205 *	311 *	390 *	466 *	530 *	576 *
1.0	0	2	34	100 *	207 *	317 *	401 *	481 *	546 *	594 *
0.0	0	2	34	100 *	208 *	320 *	406 *	488 *	553 *	600 *
-1.0	0	2	34	100 *	207 *	317 *	401 *	481 *	546 *	594 *
-3.0	0	2	34	99 *	205 *	311 *	390 *	466 *	530 *	576 *
-5.0	0	2	33	98 *	201 *	302 *	374 *	441 *	495 *	538 *
-7.0	0	2	33	97 *	197 *	287 *	348 *	407 *	454 *	489 *
-9.0	0	2	32	96 *	189 *	270 *	323 *	370 *	406 *	436 *
-11.0	0	2	32	94 *	180 *	252 *	294 *	331 *	359 *	382 *
-13.0	0	2	31	91 *	172 *	233 *	266 *	294 *	315 *	334 *
-15.0	0	2	30	88 *	163 *	213 *	239 *	260 *	277 *	290 *
-17.0	0	2	29	85 *	152 *	194 *	216 *	230 *	243 *	254 *
-19.5	0	2	28	81 *	140 *	174 *	187 *	200 *	208 *	216 *
-22.5	0	2	27	75 *	126 *	151 *	161 *	169 *	174 *	179 *
-25.5	0	2	26	70	113 *	131 *	138 *	144 *	150 *	153 *
-29.0	0	1	24	63	98 *	112 *	118 *	124 *	128 *	132 *
-33.0	0	1	21	57	84 *	96 *	100 *	106 *	109 *	114 *
-37.5	0	1	18	49	71	80 *	85 *	91 *	95 *	100 *
-42.5	0	1	15	40	58	67	73 *	78 *	84 *	88 *
-47.5	0	1	12	31	47	56	62	68	75 *	79 *
-55.0	0	0	8	21	34	43	48	55	60	65
-65.0	0	0	4	10	18	24	29	35	40	43
-75.0	0	0	1	2	6	8	10	13	16	18
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510749.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	0	0	0	0	0	0	0	0	0	0
75.0	21	22	23	25	26	27	27	27	28	28
65.0	47	50	53	55	57	58	60	61	61	62
55.0	71	74 *	77 *	79 *	81 *	82 *	83 *	85 *	86 *	87 *
47.5	83 *	87 *	89 *	91 *	93 *	95 *	97 *	98 *	99 *	100 *
42.5	92 *	95 *	98 *	100 *	101 *	102 *	104 *	105 *	105 *	107 *
37.5	103 *	105 *	108 *	110 *	112 *	112 *	114 *	115 *	115 *	116 *
33.0	116 *	119 *	121 *	123 *	124 *	125 *	126 *	127 *	128 *	129 *
29.0	134 *	137 *	139 *	141 *	142 *	144 *	145 *	145 *	146 *	147 *
25.5	157 *	160 *	163 *	165 *	167 *	168 *	168 *	169 *	171 *	172 *
22.5	185 *	189 *	192 *	194 *	196 *	198 *	199 *	201 *	202 *	202 *
19.5	221 *	227 *	231 *	235 *	238 *	240 *	241 *	244 *	246 *	246 *
17.0	262 *	268 *	275 *	281 *	284 *	288 *	290 *	293 *	295 *	295 *
15.0	302 *	311 *	319 *	326 *	331 *	335 *	339 *	341 *	344 *	347 *
13.0	348 *	361 *	371 *	380 *	386 *	392 *	395 *	398 *	403 *	405 *
11.0	402 *	417 *	430 *	440 *	448 *	454 *	460 *	464 *	469 *	471 *
9.0	460 *	478 *	494 *	505 *	513 *	521 *	527 *	533 *	537 *	541 *
7.0	518 *	539 *	556 *	569 *	577 *	585 *	592 *	597 *	603 *	604 *
5.0	571 *	592 *	612 *	625 *	633 *	640 *	647 *	651 *	654 *	657 *
3.0	608 *	631 *	651 *	665 *	673 *	679 *	686 *	689 *	692 *	694 *
1.0	628 *	652 *	671 *	683 *	693 *	699 *	705 *	709 *	712 *	715 *
0.0	635 *	658 *	676 *	688 *	696 *	702 *	708 *	712 *	715 *	718 *
-1.0	628 *	652 *	671 *	683 *	693 *	699 *	705 *	709 *	712 *	715 *
-3.0	608 *	631 *	651 *	665 *	673 *	679 *	686 *	689 *	692 *	694 *
-5.0	571 *	592 *	612 *	625 *	633 *	640 *	647 *	651 *	654 *	657 *
-7.0	518 *	539 *	556 *	569 *	577 *	585 *	592 *	597 *	603 *	604 *
-9.0	460 *	478 *	494 *	505 *	513 *	521 *	527 *	533 *	537 *	541 *
-11.0	402 *	417 *	430 *	440 *	448 *	454 *	460 *	464 *	469 *	471 *
-13.0	348 *	361 *	371 *	380 *	386 *	392 *	395 *	398 *	403 *	405 *
-15.0	302 *	311 *	319 *	326 *	331 *	335 *	339 *	341 *	344 *	347 *
-17.0	262 *	268 *	275 *	281 *	284 *	288 *	290 *	293 *	295 *	295 *
-19.5	221 *	227 *	231 *	235 *	238 *	240 *	241 *	244 *	246 *	246 *
-22.5	185 *	189 *	192 *	194 *	196 *	198 *	199 *	201 *	202 *	202 *
-25.5	157 *	160 *	163 *	165 *	167 *	168 *	168 *	169 *	171 *	172 *
-29.0	134 *	137 *	139 *	141 *	142 *	144 *	145 *	145 *	146 *	147 *
-33.0	116 *	119 *	121 *	123 *	124 *	125 *	126 *	127 *	128 *	129 *
-37.5	103 *	105 *	108 *	110 *	112 *	112 *	114 *	115 *	115 *	116 *
-42.5	92 *	95 *	98 *	100 *	101 *	102 *	104 *	105 *	105 *	107 *
-47.5	83 *	87 *	89 *	91 *	93 *	95 *	97 *	98 *	99 *	100 *
-55.0	71	74 *	77 *	79 *	81 *	82 *	83 *	85 *	86 *	87 *
-65.0	47	50	53	55	57	58	60	61	61	62
-75.0	21	22	23	25	26	27	27	27	28	28
-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	0	0	0	0	0	0	0	0	0	0
75.0	29	30	30	30	29	28	28	27	27	27
65.0	62	62	62	62	62	62	61	61	60	58

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CANDELA TABULATION - (Cont.)

55.0	88 *	88 *	88 *	88 *	88 *	87 *	86 *	85 *	83 *	82 *
47.5	100 *	100 *	100 *	100 *	100 *	100 *	99 *	98 *	97 *	95 *
42.5	108 *	108 *	108 *	108 *	108 *	107 *	105 *	105 *	104 *	102 *
37.5	116 *	116 *	116 *	116 *	116 *	116 *	115 *	115 *	114 *	112 *
33.0	128 *	128 *	128 *	128 *	128 *	129 *	128 *	127 *	126 *	125 *
29.0	147 *	148 *	148 *	148 *	147 *	147 *	146 *	145 *	145 *	144 *
25.5	171 *	172 *	172 *	172 *	171 *	172 *	171 *	169 *	168 *	168 *
22.5	203 *	203 *	202 *	203 *	203 *	202 *	202 *	201 *	199 *	198 *
19.5	247 *	248 *	248 *	248 *	247 *	246 *	246 *	244 *	241 *	240 *
17.0	296 *	298 *	298 *	298 *	296 *	295 *	295 *	293 *	290 *	288 *
15.0	347 *	348 *	346 *	348 *	347 *	347 *	344 *	341 *	339 *	335 *
13.0	408 *	408 *	410 *	408 *	408 *	405 *	403 *	398 *	395 *	392 *
11.0	473 *	474 *	475 *	474 *	473 *	471 *	469 *	464 *	460 *	454 *
9.0	542 *	542 *	542 *	542 *	542 *	541 *	537 *	533 *	527 *	521 *
7.0	608 *	607 *	608 *	607 *	608 *	604 *	603 *	597 *	592 *	585 *
5.0	657 *	663 *	664 *	663 *	657 *	657 *	654 *	651 *	647 *	640 *
3.0	695 *	695 *	699 *	695 *	695 *	694 *	692 *	689 *	686 *	679 *
1.0	715 *	713 *	714 *	713 *	715 *	715 *	712 *	709 *	705 *	699 *
0.0	718 *	718 *	718 *	718 *	718 *	718 *	715 *	712 *	708 *	702 *
-1.0	715 *	713 *	714 *	713 *	715 *	715 *	712 *	709 *	705 *	699 *
-3.0	695 *	695 *	699 *	695 *	695 *	694 *	692 *	689 *	686 *	679 *
-5.0	657 *	663 *	664 *	663 *	657 *	657 *	654 *	651 *	647 *	640 *
-7.0	608 *	607 *	608 *	607 *	608 *	604 *	603 *	597 *	592 *	585 *
-9.0	542 *	542 *	542 *	542 *	542 *	541 *	537 *	533 *	527 *	521 *
-11.0	473 *	474 *	475 *	474 *	473 *	471 *	469 *	464 *	460 *	454 *
-13.0	408 *	408 *	410 *	408 *	408 *	405 *	403 *	398 *	395 *	392 *
-15.0	347 *	348 *	346 *	348 *	347 *	347 *	344 *	341 *	339 *	335 *
-17.0	296 *	298 *	298 *	298 *	296 *	295 *	295 *	293 *	290 *	288 *
-19.5	247 *	248 *	248 *	248 *	247 *	246 *	246 *	244 *	241 *	240 *
-22.5	203 *	203 *	202 *	203 *	203 *	202 *	202 *	201 *	199 *	198 *
-25.5	171 *	172 *	172 *	172 *	171 *	172 *	171 *	169 *	168 *	168 *
-29.0	147 *	148 *	148 *	148 *	147 *	147 *	146 *	145 *	145 *	144 *
-33.0	128 *	128 *	128 *	128 *	128 *	129 *	128 *	127 *	126 *	125 *
-37.5	116 *	116 *	116 *	116 *	116 *	116 *	115 *	115 *	114 *	112 *
-42.5	108 *	108 *	108 *	108 *	108 *	107 *	105 *	105 *	104 *	102 *
-47.5	100 *	100 *	100 *	100 *	100 *	100 *	99 *	98 *	97 *	95 *
-55.0	88 *	88 *	88 *	88 *	88 *	87 *	86 *	85 *	83 *	82 *
-65.0	62	62	62	62	62	62	61	61	60	58
-75.0	29	30	30	30	29	28	28	27	27	27
-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. 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	0	0	0	0	0	0	0	0	0	0
75.0	26	25	23	22	21	18	16	13	10	8
65.0	57	55	53	50	47	43	40	35	29	24
55.0	81 *	79 *	77 *	74 *	71	65	60	55	48	43
47.5	93 *	91 *	89 *	87 *	83 *	79 *	75 *	68	62	56
42.5	101 *	100 *	98 *	95 *	92 *	88 *	84 *	78 *	73 *	67
37.5	112 *	110 *	108 *	105 *	103 *	100 *	95 *	91 *	85 *	80 *
33.0	124 *	123 *	121 *	119 *	116 *	114 *	109 *	106 *	100 *	96 *
29.0	142 *	141 *	139 *	137 *	134 *	132 *	128 *	124 *	118 *	112 *
25.5	167 *	165 *	163 *	160 *	157 *	153 *	150 *	144 *	138 *	131 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510749.IES

CANDELA TABULATION - (Cont.)

22.5	196 *	194 *	192 *	189 *	185 *	179 *	174 *	169 *	161 *	151 *
19.5	238 *	235 *	231 *	227 *	221 *	216 *	208 *	200 *	187 *	174 *
17.0	284 *	281 *	275 *	268 *	262 *	254 *	243 *	230 *	216 *	194 *
15.0	331 *	326 *	319 *	311 *	302 *	290 *	277 *	260 *	239 *	213 *
13.0	386 *	380 *	371 *	361 *	348 *	334 *	315 *	294 *	266 *	233 *
11.0	448 *	440 *	430 *	417 *	402 *	382 *	359 *	331 *	294 *	252 *
9.0	513 *	505 *	494 *	478 *	460 *	436 *	406 *	370 *	323 *	270 *
7.0	577 *	569 *	556 *	539 *	518 *	489 *	454 *	407 *	348 *	287 *
5.0	633 *	625 *	612 *	592 *	571 *	538 *	495 *	441 *	374 *	302 *
3.0	673 *	665 *	651 *	631 *	608 *	576 *	530 *	466 *	390 *	311 *
1.0	693 *	683 *	671 *	652 *	628 *	594 *	546 *	481 *	401 *	317 *
0.0	696 *	688 *	676 *	658 *	635 *	600 *	553 *	488 *	406 *	320 *
-1.0	693 *	683 *	671 *	652 *	628 *	594 *	546 *	481 *	401 *	317 *
-3.0	673 *	665 *	651 *	631 *	608 *	576 *	530 *	466 *	390 *	311 *
-5.0	633 *	625 *	612 *	592 *	571 *	538 *	495 *	441 *	374 *	302 *
-7.0	577 *	569 *	556 *	539 *	518 *	489 *	454 *	407 *	348 *	287 *
-9.0	513 *	505 *	494 *	478 *	460 *	436 *	406 *	370 *	323 *	270 *
-11.0	448 *	440 *	430 *	417 *	402 *	382 *	359 *	331 *	294 *	252 *
-13.0	386 *	380 *	371 *	361 *	348 *	334 *	315 *	294 *	266 *	233 *
-15.0	331 *	326 *	319 *	311 *	302 *	290 *	277 *	260 *	239 *	213 *
-17.0	284 *	281 *	275 *	268 *	262 *	254 *	243 *	230 *	216 *	194 *
-19.5	238 *	235 *	231 *	227 *	221 *	216 *	208 *	200 *	187 *	174 *
-22.5	196 *	194 *	192 *	189 *	185 *	179 *	174 *	169 *	161 *	151 *
-25.5	167 *	165 *	163 *	160 *	157 *	153 *	150 *	144 *	138 *	131 *
-29.0	142 *	141 *	139 *	137 *	134 *	132 *	128 *	124 *	118 *	112 *
-33.0	124 *	123 *	121 *	119 *	116 *	114 *	109 *	106 *	100 *	96 *
-37.5	112 *	110 *	108 *	105 *	103 *	100 *	95 *	91 *	85 *	80 *
-42.5	101 *	100 *	98 *	95 *	92 *	88 *	84 *	78 *	73 *	67
-47.5	93 *	91 *	89 *	87 *	83 *	79 *	75 *	68	62	56
-55.0	81 *	79 *	77 *	74 *	71	65	60	55	48	43
-65.0	57	55	53	50	47	43	40	35	29	24
-75.0	26	25	23	22	21	18	16	13	10	8
-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**

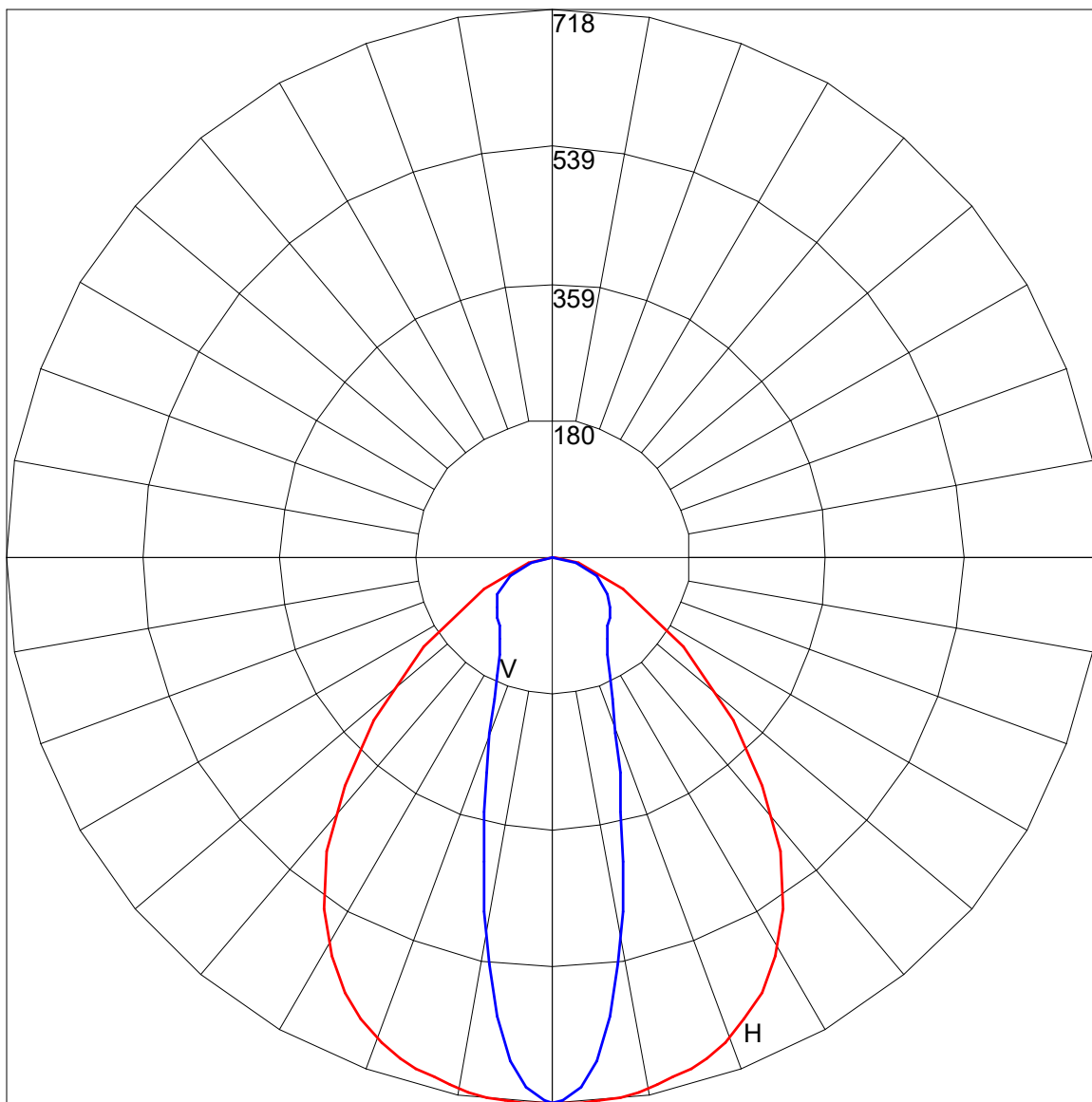
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	6	2	1	0	0
65.0	18	10	4	0	0
55.0	34	21	8	0	0
47.5	47	31	12	1	0
42.5	58	40	15	1	0
37.5	71	49	18	1	0
33.0	84 *	57	21	1	0
29.0	98 *	63	24	1	0
25.5	113 *	70	26	2	0
22.5	126 *	75 *	27	2	0
19.5	140 *	81 *	28	2	0
17.0	152 *	85 *	29	2	0
15.0	163 *	88 *	30	2	0
13.0	172 *	91 *	31	2	0
11.0	180 *	94 *	32	2	0
9.0	189 *	96 *	32	2	0

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PHOTOMETRIC FILENAME : L052510749.IES

CANDELA TABULATION - (Cont.)

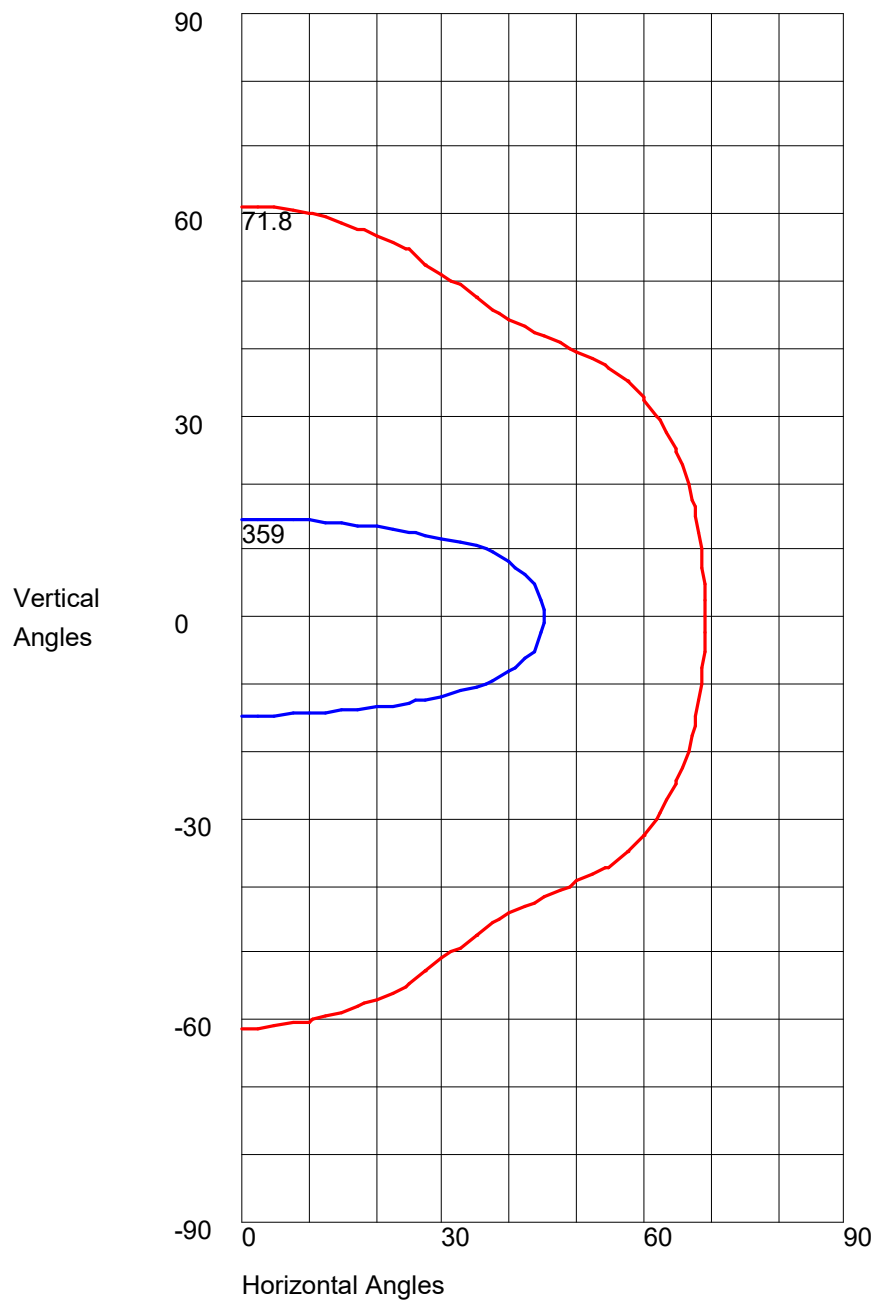
7.0	197 *	97 *	33	2	0
5.0	201 *	98 *	33	2	0
3.0	205 *	99 *	34	2	0
1.0	207 *	100 *	34	2	0
0.0	208 *	100 *	34	2	0
-1.0	207 *	100 *	34	2	0
-3.0	205 *	99 *	34	2	0
-5.0	201 *	98 *	33	2	0
-7.0	197 *	97 *	33	2	0
-9.0	189 *	96 *	32	2	0
-11.0	180 *	94 *	32	2	0
-13.0	172 *	91 *	31	2	0
-15.0	163 *	88 *	30	2	0
-17.0	152 *	85 *	29	2	0
-19.5	140 *	81 *	28	2	0
-22.5	126 *	75 *	27	2	0
-25.5	113 *	70	26	2	0
-29.0	98 *	63	24	1	0
-33.0	84 *	57	21	1	0
-37.5	71	49	18	1	0
-42.5	58	40	15	1	0
-47.5	47	31	12	1	0
-55.0	34	21	8	0	0
-65.0	18	10	4	0	0
-75.0	6	2	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 718 Located At Horizontal Angle = -5, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 718 Located At Horizontal Angle = -5, Vertical Angle = 0
50% Maximum Candela = 359
10% Maximum Candela = 71.8