



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510751.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510751

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

[ISSUE DATE] 6/2/2025

[MANUFAC] Vista Professional Outdoor Lighting

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

[LUMINAIRE] 1054 Narrow Spot Blue 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 80239581-27

[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	370
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	88.8
Vertical Beam Angle (50%)	31.1
Horizontal Field Angle (10%)	138.8
Vertical Field Angle (10%)	124.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	172
Beam Efficiency	N.A.
Field Lumens	387
Field Efficiency	N.A.
Spill Lumens	39
Luminaire Lumens	426
Total Efficiency	N.A.
Total Luminaire Watts	40.2
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	18	75	14
65	52	65	34
55	106	55	48
47.5	160	47.5	56
42.5	200	42.5	60
37.5	240	37.5	66
33	272	33	75
29	298	29	86
25.5	317	25.5	102
22.5	330	22.5	118
19.5	341	19.5	143
17	348	17	168
15	354	15	192
13	357	13	222
11	362	11	253
9	365	9	284
7	366	7	315
5	368	5	342
3	370	3	358
1	369	1	366
0	368	0	368
-1	369	-1	366
-3	370	-3	358
-5	368	-5	342
-7	366	-7	315
-9	365	-9	284
-11	362	-11	253
-13	357	-13	222
-15	354	-15	192
-17	348	-17	168
-19.5	341	-19.5	143
-22.5	330	-22.5	118
-25.5	317	-25.5	102
-29	298	-29	86
-33	272	-33	75
-37.5	240	-37.5	66
-42.5	200	-42.5	60
-47.5	160	-47.5	56
-55	106	-55	48
-65	52	-65	34
-75	18	-75	14
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 370

Beam Edge = 185 Cd (50% of Max.)

Field Edge = 37 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	0	0	2	4	5	7	8	9
65.0	0	0	1	4	8	13	15	17	21	23
55.0	0	0	3	11	19	24	26	31	34	36
47.5	0	0	6	17	27	32	36	38 *	41 *	44 *
42.5	0	0	8	21	34	39 *	42 *	45 *	49 *	50 *
37.5	0	0	9	26	39 *	47 *	51 *	53 *	56 *	57 *
33.0	0	0	11	31	47 *	55 *	59 *	62 *	64 *	66 *
29.0	0	0	12	34	54 *	64 *	69 *	72 *	75 *	77 *
25.5	0	0	13	37	62 *	75 *	79 *	84 *	88 *	91 *
22.5	0	0	14	40 *	68 *	84 *	91 *	96 *	101 *	105 *
19.5	0	0	15	43 *	75 *	96 *	105 *	113 *	119 *	124 *
17.0	0	0	15	45 *	81 *	105 *	118 *	129 *	136 *	143 *
15.0	0	0	15	47 *	86 *	114 *	129 *	143 *	152 *	161 *
13.0	0	0	16	48 *	90 *	122 *	141 *	158 *	170 *	182 *
11.0	0	0	16	50 *	94 *	131 *	154 *	174 *	191 *	204 *
9.0	0	0	17	51 *	97 *	138 *	166 *	191 *	211 *	227 *
7.0	0	0	17	51 *	100 *	145 *	177 *	207 *	232 *	250 *
5.0	0	0	17	52 *	102 *	151 *	188 *	221 *	248 *	271 *
3.0	0	0	18	52 *	104 *	156 *	195 *	231 *	262 *	288 *
1.0	0	0	18	52 *	105 *	159 *	198 *	237 *	269 *	295 *
0.0	0	0	18	52 *	106 *	160 *	200 *	240 *	272 *	298 *
-1.0	0	0	18	52 *	105 *	159 *	198 *	237 *	269 *	295 *
-3.0	0	0	18	52 *	104 *	156 *	195 *	231 *	262 *	288 *
-5.0	0	0	17	52 *	102 *	151 *	188 *	221 *	248 *	271 *
-7.0	0	0	17	51 *	100 *	145 *	177 *	207 *	232 *	250 *
-9.0	0	0	17	51 *	97 *	138 *	166 *	191 *	211 *	227 *
-11.0	0	0	16	50 *	94 *	131 *	154 *	174 *	191 *	204 *
-13.0	0	0	16	48 *	90 *	122 *	141 *	158 *	170 *	182 *
-15.0	0	0	15	47 *	86 *	114 *	129 *	143 *	152 *	161 *
-17.0	0	0	15	45 *	81 *	105 *	118 *	129 *	136 *	143 *
-19.5	0	0	15	43 *	75 *	96 *	105 *	113 *	119 *	124 *
-22.5	0	0	14	40 *	68 *	84 *	91 *	96 *	101 *	105 *
-25.5	0	0	13	37	62 *	75 *	79 *	84 *	88 *	91 *
-29.0	0	0	12	34	54 *	64 *	69 *	72 *	75 *	77 *
-33.0	0	0	11	31	47 *	55 *	59 *	62 *	64 *	66 *
-37.5	0	0	9	26	39 *	47 *	51 *	53 *	56 *	57 *
-42.5	0	0	8	21	34	39 *	42 *	45 *	49 *	50 *
-47.5	0	0	6	17	27	32	36	38 *	41 *	44 *
-55.0	0	0	3	11	19	24	26	31	34	36
-65.0	0	0	1	4	8	13	15	17	21	23
-75.0	0	0	0	0	2	4	5	7	8	9
-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	0	0	0	0	0	0	0	0	0	0
75.0	10	11	12	13	13	13	14	14	14	14
65.0	25	27	28	29	30	31	31	31	32	32
55.0	38 *	40 *	42 *	43 *	44 *	45 *	46 *	47 *	48 *	48 *
47.5	47 *	49 *	50 *	51 *	53 *	53 *	53 *	54 *	55 *	56 *
42.5	53 *	54 *	55 *	56 *	57 *	58 *	59 *	59 *	60 *	60 *
37.5	60 *	61 *	62 *	63 *	64 *	65 *	66 *	66 *	66 *	66 *
33.0	69 *	70 *	71 *	72 *	72 *	73 *	73 *	74 *	75 *	75 *
29.0	79 *	81 *	83 *	83 *	84 *	84 *	85 *	85 *	86 *	87 *
25.5	93 *	94 *	95 *	97 *	98 *	98 *	99 *	101 *	100 *	101 *
22.5	108 *	110 *	112 *	113 *	114 *	115 *	116 *	117 *	118 *	118 *
19.5	127 *	131 *	134 *	136 *	137 *	138 *	138 *	140 *	141 *	141 *
17.0	148 *	152 *	156 *	159 *	160 *	162 *	164 *	166 *	167 *	167 *
15.0	168 *	173 *	177 *	181 *	184 *	186 *	188 *	190 *	191 *	192 *
13.0	190 *	196 *	202 *	206 *	209 *	213 *	215 *	217 *	219 *	221 *
11.0	214 *	222 *	230 *	235 *	239 *	242 *	245 *	248 *	249 *	250 *
9.0	240 *	250 *	259 *	265 *	270 *	273 *	276 *	278 *	281 *	283 *
7.0	266 *	278 *	287 *	293 *	298 *	303 *	306 *	309 *	311 *	314 *
5.0	288 *	301 *	312 *	319 *	324 *	328 *	332 *	334 *	336 *	337 *
3.0	306 *	319 *	330 *	337 *	343 *	347 *	349 *	352 *	355 *	356 *
1.0	315 *	328 *	339 *	346 *	353 *	355 *	359 *	363 *	365 *	366 *
0.0	317 *	330 *	341 *	348 *	354 *	357 *	362 *	365 *	366 *	368 *
-1.0	315 *	328 *	339 *	346 *	353 *	355 *	359 *	363 *	365 *	366 *
-3.0	306 *	319 *	330 *	337 *	343 *	347 *	349 *	352 *	355 *	356 *
-5.0	288 *	301 *	312 *	319 *	324 *	328 *	332 *	334 *	336 *	337 *
-7.0	266 *	278 *	287 *	293 *	298 *	303 *	306 *	309 *	311 *	314 *
-9.0	240 *	250 *	259 *	265 *	270 *	273 *	276 *	278 *	281 *	283 *
-11.0	214 *	222 *	230 *	235 *	239 *	242 *	245 *	248 *	249 *	250 *
-13.0	190 *	196 *	202 *	206 *	209 *	213 *	215 *	217 *	219 *	221 *
-15.0	168 *	173 *	177 *	181 *	184 *	186 *	188 *	190 *	191 *	192 *
-17.0	148 *	152 *	156 *	159 *	160 *	162 *	164 *	166 *	167 *	167 *
-19.5	127 *	131 *	134 *	136 *	137 *	138 *	138 *	140 *	141 *	141 *
-22.5	108 *	110 *	112 *	113 *	114 *	115 *	116 *	117 *	118 *	118 *
-25.5	93 *	94 *	95 *	97 *	98 *	98 *	99 *	101 *	100 *	101 *
-29.0	79 *	81 *	83 *	83 *	84 *	84 *	85 *	85 *	86 *	87 *
-33.0	69 *	70 *	71 *	72 *	72 *	73 *	73 *	74 *	75 *	75 *
-37.5	60 *	61 *	62 *	63 *	64 *	65 *	66 *	66 *	66 *	66 *
-42.5	53 *	54 *	55 *	56 *	57 *	58 *	59 *	59 *	60 *	60 *
-47.5	47 *	49 *	50 *	51 *	53 *	53 *	53 *	54 *	55 *	56 *
-55.0	38 *	40 *	42 *	43 *	44 *	45 *	46 *	47 *	48 *	48 *
-65.0	25	27	28	29	30	31	31	31	32	32
-75.0	10	11	12	13	13	13	14	14	14	14
-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	14	14	14	14	14	14	14	14	14	13
65.0	33	34	34	34	33	32	32	31	31	31

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CANDELA TABULATION - (Cont.)

55.0	48 *	48 *	48 *	48 *	48 *	48 *	48 *	47 *	46 *	45 *
47.5	56 *	56 *	56 *	56 *	56 *	56 *	55 *	54 *	53 *	53 *
42.5	60 *	60 *	60 *	60 *	60 *	60 *	60 *	59 *	59 *	58 *
37.5	66 *	66 *	66 *	66 *	66 *	66 *	66 *	66 *	66 *	65 *
33.0	75 *	75 *	75 *	75 *	75 *	75 *	75 *	74 *	73 *	73 *
29.0	87 *	86 *	86 *	86 *	87 *	87 *	86 *	85 *	85 *	84 *
25.5	101 *	102 *	102 *	102 *	101 *	101 *	100 *	101 *	99 *	98 *
22.5	118 *	118 *	118 *	118 *	118 *	118 *	118 *	117 *	116 *	115 *
19.5	142 *	143 *	143 *	143 *	142 *	141 *	141 *	140 *	138 *	138 *
17.0	167 *	168 *	168 *	168 *	167 *	167 *	167 *	166 *	164 *	162 *
15.0	192 *	194 *	192 *	194 *	192 *	192 *	191 *	190 *	188 *	186 *
13.0	221 *	222 *	222 *	222 *	221 *	221 *	219 *	217 *	215 *	213 *
11.0	252 *	253 *	253 *	253 *	252 *	250 *	249 *	248 *	245 *	242 *
9.0	284 *	284 *	284 *	284 *	284 *	283 *	281 *	278 *	276 *	273 *
7.0	314 *	313 *	315 *	313 *	314 *	314 *	311 *	309 *	306 *	303 *
5.0	338 *	341 *	342 *	341 *	338 *	337 *	336 *	334 *	332 *	328 *
3.0	356 *	357 *	358 *	357 *	356 *	356 *	355 *	352 *	349 *	347 *
1.0	366 *	366 *	366 *	366 *	366 *	366 *	365 *	363 *	359 *	355 *
0.0	370 *	369 *	368 *	369 *	370 *	368 *	366 *	365 *	362 *	357 *
-1.0	366 *	366 *	366 *	366 *	366 *	366 *	365 *	363 *	359 *	355 *
-3.0	356 *	357 *	358 *	357 *	356 *	356 *	355 *	352 *	349 *	347 *
-5.0	338 *	341 *	342 *	341 *	338 *	337 *	336 *	334 *	332 *	328 *
-7.0	314 *	313 *	315 *	313 *	314 *	314 *	311 *	309 *	306 *	303 *
-9.0	284 *	284 *	284 *	284 *	284 *	283 *	281 *	278 *	276 *	273 *
-11.0	252 *	253 *	253 *	253 *	252 *	250 *	249 *	248 *	245 *	242 *
-13.0	221 *	222 *	222 *	222 *	221 *	221 *	219 *	217 *	215 *	213 *
-15.0	192 *	194 *	192 *	194 *	192 *	192 *	191 *	190 *	188 *	186 *
-17.0	167 *	168 *	168 *	168 *	167 *	167 *	167 *	166 *	164 *	162 *
-19.5	142 *	143 *	143 *	143 *	142 *	141 *	141 *	140 *	138 *	138 *
-22.5	118 *	118 *	118 *	118 *	118 *	118 *	118 *	117 *	116 *	115 *
-25.5	101 *	102 *	102 *	102 *	101 *	101 *	100 *	101 *	99 *	98 *
-29.0	87 *	86 *	86 *	86 *	87 *	87 *	86 *	85 *	85 *	84 *
-33.0	75 *	75 *	75 *	75 *	75 *	75 *	75 *	74 *	73 *	73 *
-37.5	66 *	66 *	66 *	66 *	66 *	66 *	66 *	66 *	66 *	65 *
-42.5	60 *	60 *	60 *	60 *	60 *	60 *	60 *	59 *	59 *	58 *
-47.5	56 *	56 *	56 *	56 *	56 *	56 *	55 *	54 *	53 *	53 *
-55.0	48 *	48 *	48 *	48 *	48 *	48 *	48 *	47 *	46 *	45 *
-65.0	33	34	34	34	33	32	32	31	31	31
-75.0	14	14	14	14	14	14	14	14	14	13
-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	0	0	0	0	0	0	0	0	0	0
75.0	13	13	12	11	10	9	8	7	5	4
65.0	30	29	28	27	25	23	21	17	15	13
55.0	44 *	43 *	42 *	40 *	38 *	36	34	31	26	24
47.5	53 *	51 *	50 *	49 *	47 *	44 *	41 *	38 *	36	32
42.5	57 *	56 *	55 *	54 *	53 *	50 *	49 *	45 *	42 *	39 *
37.5	64 *	63 *	62 *	61 *	60 *	57 *	56 *	53 *	51 *	47 *
33.0	72 *	72 *	71 *	70 *	69 *	66 *	64 *	62 *	59 *	55 *
29.0	84 *	83 *	83 *	81 *	79 *	77 *	75 *	72 *	69 *	64 *
25.5	98 *	97 *	95 *	94 *	93 *	91 *	88 *	84 *	79 *	75 *

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CANDELA TABULATION - (Cont.)

22.5	114 *	113 *	112 *	110 *	108 *	105 *	101 *	96 *	91 *	84 *
19.5	137 *	136 *	134 *	131 *	127 *	124 *	119 *	113 *	105 *	96 *
17.0	160 *	159 *	156 *	152 *	148 *	143 *	136 *	129 *	118 *	105 *
15.0	184 *	181 *	177 *	173 *	168 *	161 *	152 *	143 *	129 *	114 *
13.0	209 *	206 *	202 *	196 *	190 *	182 *	170 *	158 *	141 *	122 *
11.0	239 *	235 *	230 *	222 *	214 *	204 *	191 *	174 *	154 *	131 *
9.0	270 *	265 *	259 *	250 *	240 *	227 *	211 *	191 *	166 *	138 *
7.0	298 *	293 *	287 *	278 *	266 *	250 *	232 *	207 *	177 *	145 *
5.0	324 *	319 *	312 *	301 *	288 *	271 *	248 *	221 *	188 *	151 *
3.0	343 *	337 *	330 *	319 *	306 *	288 *	262 *	231 *	195 *	156 *
1.0	353 *	346 *	339 *	328 *	315 *	295 *	269 *	237 *	198 *	159 *
0.0	354 *	348 *	341 *	330 *	317 *	298 *	272 *	240 *	200 *	160 *
-1.0	353 *	346 *	339 *	328 *	315 *	295 *	269 *	237 *	198 *	159 *
-3.0	343 *	337 *	330 *	319 *	306 *	288 *	262 *	231 *	195 *	156 *
-5.0	324 *	319 *	312 *	301 *	288 *	271 *	248 *	221 *	188 *	151 *
-7.0	298 *	293 *	287 *	278 *	266 *	250 *	232 *	207 *	177 *	145 *
-9.0	270 *	265 *	259 *	250 *	240 *	227 *	211 *	191 *	166 *	138 *
-11.0	239 *	235 *	230 *	222 *	214 *	204 *	191 *	174 *	154 *	131 *
-13.0	209 *	206 *	202 *	196 *	190 *	182 *	170 *	158 *	141 *	122 *
-15.0	184 *	181 *	177 *	173 *	168 *	161 *	152 *	143 *	129 *	114 *
-17.0	160 *	159 *	156 *	152 *	148 *	143 *	136 *	129 *	118 *	105 *
-19.5	137 *	136 *	134 *	131 *	127 *	124 *	119 *	113 *	105 *	96 *
-22.5	114 *	113 *	112 *	110 *	108 *	105 *	101 *	96 *	91 *	84 *
-25.5	98 *	97 *	95 *	94 *	93 *	91 *	88 *	84 *	79 *	75 *
-29.0	84 *	83 *	83 *	81 *	79 *	77 *	75 *	72 *	69 *	64 *
-33.0	72 *	72 *	71 *	70 *	69 *	66 *	64 *	62 *	59 *	55 *
-37.5	64 *	63 *	62 *	61 *	60 *	57 *	56 *	53 *	51 *	47 *
-42.5	57 *	56 *	55 *	54 *	53 *	50 *	49 *	45 *	42 *	39 *
-47.5	53 *	51 *	50 *	49 *	47 *	44 *	41 *	38 *	36 *	32 *
-55.0	44 *	43 *	42 *	40 *	38 *	36 *	34 *	31 *	26 *	24 *
-65.0	30	29	28	27	25	23	21	17	15	13
-75.0	13	13	12	11	10	9	8	7	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

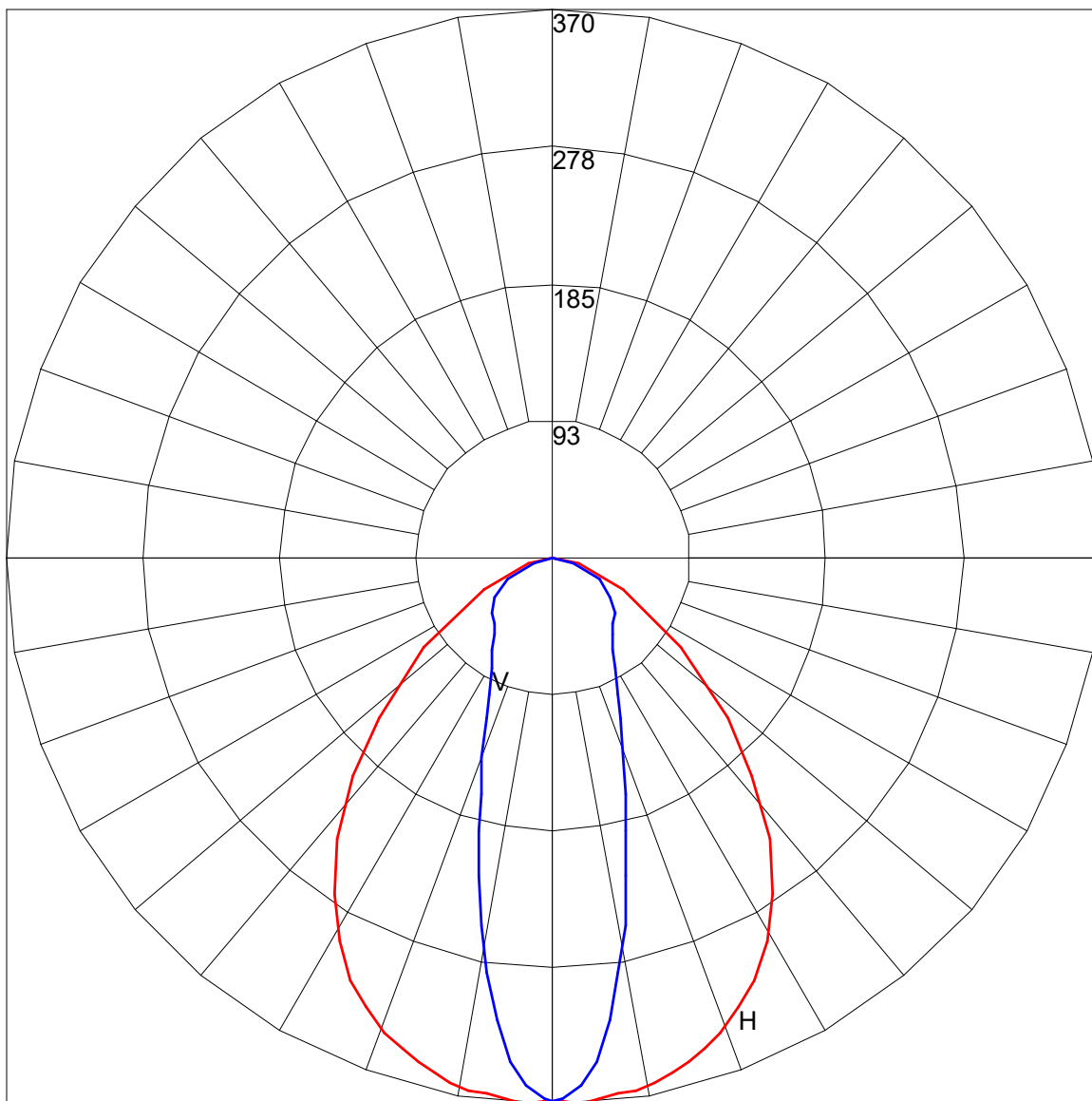
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	2	0	0	0	0
65.0	8	4	1	0	0
55.0	19	11	3	0	0
47.5	27	17	6	0	0
42.5	34	21	8	0	0
37.5	39 *	26	9	0	0
33.0	47 *	31	11	0	0
29.0	54 *	34	12	0	0
25.5	62 *	37	13	0	0
22.5	68 *	40 *	14	0	0
19.5	75 *	43 *	15	0	0
17.0	81 *	45 *	15	0	0
15.0	86 *	47 *	15	0	0
13.0	90 *	48 *	16	0	0
11.0	94 *	50 *	16	0	0
9.0	97 *	51 *	17	0	0

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CANDELA TABULATION - (Cont.)

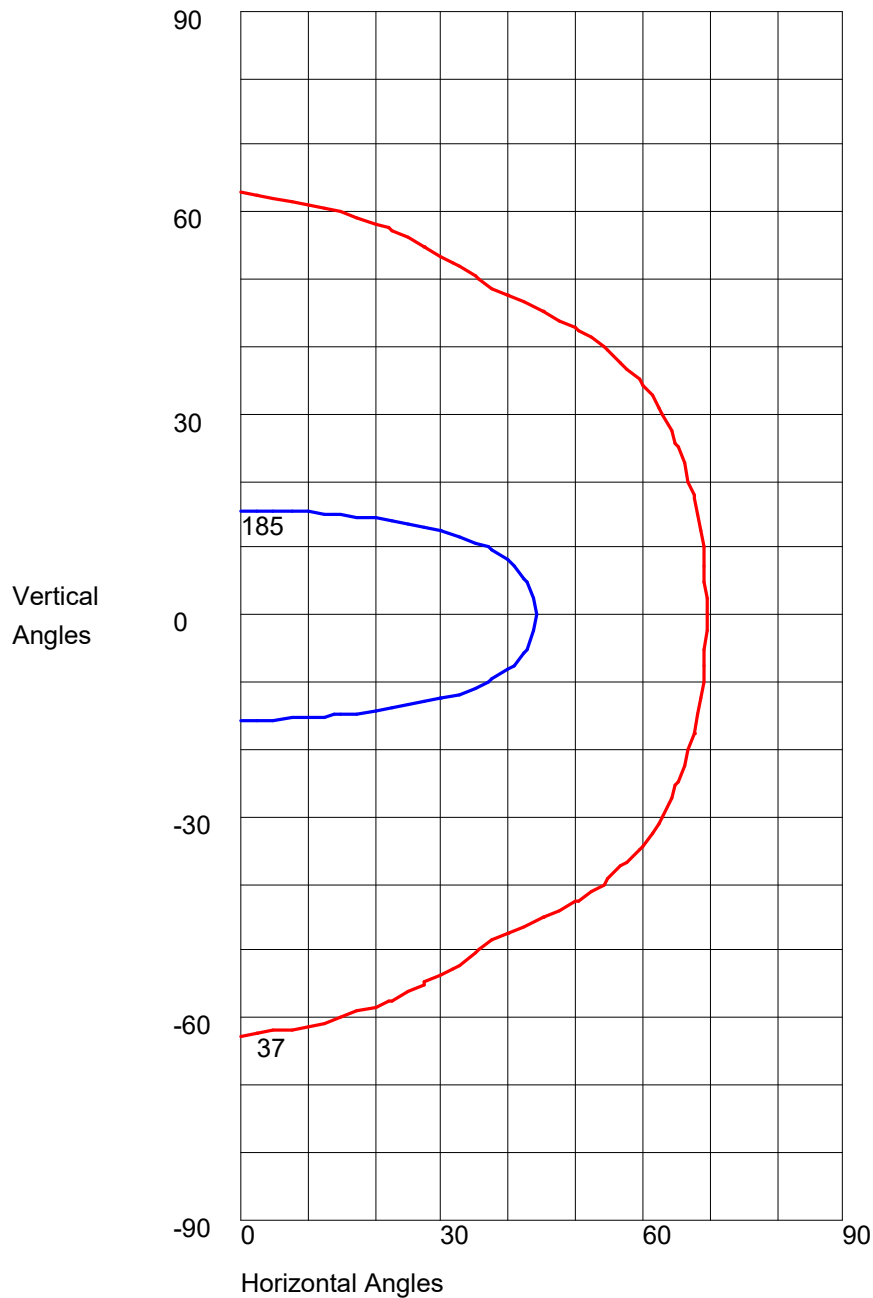
7.0	100 *	51 *	17	0	0
5.0	102 *	52 *	17	0	0
3.0	104 *	52 *	18	0	0
1.0	105 *	52 *	18	0	0
0.0	106 *	52 *	18	0	0
-1.0	105 *	52 *	18	0	0
-3.0	104 *	52 *	18	0	0
-5.0	102 *	52 *	17	0	0
-7.0	100 *	51 *	17	0	0
-9.0	97 *	51 *	17	0	0
-11.0	94 *	50 *	16	0	0
-13.0	90 *	48 *	16	0	0
-15.0	86 *	47 *	15	0	0
-17.0	81 *	45 *	15	0	0
-19.5	75 *	43 *	15	0	0
-22.5	68 *	40 *	14	0	0
-25.5	62 *	37	13	0	0
-29.0	54 *	34	12	0	0
-33.0	47 *	31	11	0	0
-37.5	39 *	26	9	0	0
-42.5	34	21	8	0	0
-47.5	27	17	6	0	0
-55.0	19	11	3	0	0
-65.0	8	4	1	0	0
-75.0	2	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 370 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 370 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 185
10% Maximum Candela = 37