



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510721.IES

DESCRIPTIVE INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] L052510721

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

[ISSUEDATE] 6/5/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1051-AS-RGBW-(R)

[LUMINAIRE] 1051 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	148
Maximum Candela Angle	-3H 29V
Horizontal Beam Angle (50%)	96.1
Vertical Beam Angle (50%)	68.5
Horizontal Field Angle (10%)	139.6
Vertical Field Angle (10%)	104.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	173
Beam Efficiency	N.A.
Field Lumens	241
Field Efficiency	N.A.
Spill Lumens	14
Luminaire Lumens	254
Total Efficiency	N.A.
Total Luminaire Watts	8.12
Ballast Factor	1.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510721.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	1
75	9	75	12
65	24	65	34
55	48	55	83
47.5	66	47.5	127
42.5	75	42.5	142
37.5	82	37.5	147
33	88	33	148
29	93	29	148
25.5	96	25.5	146
22.5	98	22.5	145
19.5	100	19.5	142
17	101	17	139
15	103	15	136
13	104	13	133
11	105	11	130
9	105	9	126
7	105	7	121
5	106	5	117
3	106	3	113
1	106	1	108
0	106	0	106
-1	106	-1	104
-3	106	-3	101
-5	106	-5	97
-7	105	-7	92
-9	105	-9	86
-11	105	-11	78
-13	104	-13	69
-15	103	-15	59
-17	101	-17	49
-19.5	100	-19.5	37
-22.5	98	-22.5	27
-25.5	96	-25.5	21
-29	93	-29	16
-33	88	-33	13
-37.5	82	-37.5	10
-42.5	75	-42.5	7
-47.5	66	-47.5	6
-55	48	-55	4
-65	24	-65	3
-75	9	-75	2
-85	1	-85	0
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510721.IES

CANDELA TABULATION

Maximum Candela = 148

Beam Edge = 74 Cd (50% of Max.)

Field Edge = 14.8 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	1	1	1
75.0	0	0	1	2	4	6	7	8	9	10
65.0	0	0	2	5	11	16 *	20 *	23 *	26 *	28 *
55.0	0	0	3	11	22 *	32 *	39 *	47 *	54 *	60 *
47.5	0	0	4	15 *	31 *	47 *	59 *	73 *	84 *	94 *
42.5	0	0	5	18 *	38 *	59 *	74 *	89 *	102 *	112 *
37.5	0	1	6	20 *	44 *	69 *	86 *	101 *	113 *	121 *
33.0	0	1	7	22 *	49 *	76 *	93 *	107 *	117 *	124 *
29.0	0	1	8	24 *	53 *	80 *	96 *	109 *	118 *	125 *
25.5	0	1	8	25 *	56 *	83 *	97 *	109 *	118 *	125 *
22.5	0	1	9	26 *	57 *	83 *	97 *	108 *	116 *	124 *
19.5	0	1	9	27 *	58 *	83 *	95 *	106 *	115 *	121 *
17.0	0	1	9	27 *	57 *	82 *	94 *	105 *	113 *	119 *
15.0	0	1	9	27 *	57 *	80 *	93 *	103 *	111 *	117 *
13.0	0	1	9	26 *	57 *	79 *	91 *	101 *	109 *	114 *
11.0	0	1	9	26 *	56 *	78 *	89 *	99 *	106 *	111 *
9.0	0	1	9	26 *	55 *	76 *	87 *	96 *	103 *	109 *
7.0	0	1	9	26 *	54 *	74 *	85 *	93 *	100 *	105 *
5.0	0	1	9	25 *	52 *	72 *	82 *	90 *	97 *	101 *
3.0	0	1	9	25 *	51 *	70 *	80 *	87 *	94 *	98 *
1.0	0	1	9	24 *	49 *	67 *	77 *	84 *	90 *	95 *
0.0	0	1	9	24 *	48 *	66 *	75 *	82 *	88 *	93 *
-1.0	0	1	9	24 *	47 *	64 *	73 *	80 *	87 *	91 *
-3.0	0	1	9	23 *	45 *	61 *	70 *	77 *	83 *	88 *
-5.0	0	1	9	22 *	42 *	57 *	66 *	73 *	79 *	83 *
-7.0	0	1	9	21 *	39 *	53 *	61 *	68 *	74 *	78 *
-9.0	0	1	8	20 *	37 *	49 *	57 *	63 *	68 *	72 *
-11.0	0	1	8	19 *	34 *	45 *	52 *	57 *	61 *	65 *
-13.0	0	1	8	18 *	32 *	41 *	47 *	52 *	55 *	58 *
-15.0	0	1	8	17 *	29 *	37 *	42 *	46 *	48 *	50 *
-17.0	0	1	8	16 *	27 *	33 *	37 *	40 *	42 *	43 *
-19.5	0	1	7	15 *	24 *	29 *	31 *	33 *	34 *	35 *
-22.5	0	1	7	14	21 *	24 *	26 *	27 *	27 *	27 *
-25.5	0	1	6	12	18 *	21 *	21 *	22 *	21 *	21 *
-29.0	0	1	6	11	16 *	17 *	18 *	17 *	17 *	17 *
-33.0	0	1	5	10	13	14	13	13	13	13
-37.5	0	1	4	9	11	11	11	11	10	10
-42.5	0	0	3	7	9	9	9	8	8	8
-47.5	0	0	3	6	8	7	7	6	6	6
-55.0	0	0	2	4	5	6	6	5	4	4
-65.0	0	0	1	2	3	3	3	3	3	3
-75.0	0	0	1	1	1	1	1	2	2	1
-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 : L052510721.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	1	1	1	1	1	1	1	1	1	1
75.0	11	11	12	12	11	12	12	13	12	12
65.0	30 *	31 *	32 *	33 *	33 *	34 *	35 *	35 *	35 *	35 *
55.0	65 *	69 *	72 *	76 *	77 *	79 *	81 *	82 *	83 *	84 *
47.5	101 *	107 *	112 *	116 *	118 *	121 *	123 *	125 *	126 *	127 *
42.5	119 *	124 *	128 *	132 *	134 *	136 *	138 *	140 *	141 *	141 *
37.5	127 *	132 *	135 *	138 *	140 *	142 *	143 *	144 *	145 *	146 *
33.0	130 *	134 *	138 *	140 *	141 *	143 *	144 *	146 *	146 *	147 *
29.0	130 *	134 *	138 *	140 *	141 *	143 *	144 *	145 *	146 *	147 *
25.5	130 *	133 *	137 *	139 *	141 *	142 *	143 *	145 *	145 *	146 *
22.5	129 *	132 *	135 *	138 *	139 *	141 *	142 *	142 *	143 *	144 *
19.5	126 *	129 *	133 *	136 *	137 *	138 *	139 *	140 *	141 *	142 *
17.0	124 *	127 *	130 *	133 *	134 *	136 *	137 *	137 *	138 *	139 *
15.0	122 *	125 *	128 *	130 *	131 *	133 *	134 *	134 *	135 *	136 *
13.0	119 *	122 *	125 *	127 *	129 *	129 *	131 *	131 *	132 *	132 *
11.0	116 *	119 *	122 *	123 *	124 *	126 *	127 *	127 *	128 *	128 *
9.0	112 *	115 *	118 *	119 *	120 *	122 *	123 *	124 *	124 *	124 *
7.0	109 *	111 *	114 *	116 *	117 *	118 *	119 *	119 *	120 *	121 *
5.0	105 *	107 *	110 *	112 *	113 *	114 *	114 *	115 *	115 *	115 *
3.0	101 *	104 *	107 *	108 *	109 *	110 *	111 *	111 *	112 *	112 *
1.0	97 *	100 *	102 *	104 *	105 *	106 *	107 *	108 *	108 *	108 *
0.0	96 *	98 *	100 *	101 *	103 *	104 *	105 *	105 *	105 *	106 *
-1.0	94 *	97 *	99 *	100 *	102 *	102 *	103 *	104 *	104 *	105 *
-3.0	90 *	93 *	95 *	96 *	98 *	99 *	99 *	100 *	100 *	100 *
-5.0	86 *	88 *	91 *	92 *	93 *	94 *	95 *	95 *	96 *	96 *
-7.0	81 *	83 *	86 *	87 *	88 *	89 *	90 *	90 *	90 *	91 *
-9.0	75 *	77 *	79 *	81 *	82 *	82 *	83 *	84 *	84 *	85 *
-11.0	68 *	70 *	72 *	73 *	74 *	74 *	75 *	76 *	76 *	76 *
-13.0	60 *	62 *	63 *	64 *	65 *	65 *	66 *	66 *	67 *	67 *
-15.0	52 *	53 *	54 *	55 *	55 *	56 *	56 *	56 *	57 *	57 *
-17.0	44 *	44 *	45 *	46 *	46 *	46 *	46 *	47 *	47 *	47 *
-19.5	35 *	35 *	36 *	36 *	36 *	36 *	36 *	36 *	37 *	36 *
-22.5	27 *	27 *	27 *	27 *	27 *	27 *	26 *	27 *	27 *	27 *
-25.5	21 *	21 *	21 *	21 *	20 *	20 *	21 *	21 *	20 *	20 *
-29.0	17 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *
-33.0	13	13	13	13	13	12	12	12	12	12
-37.5	10	10	10	10	10	10	10	10	10	10
-42.5	8	7	7	7	7	7	8	7	7	7
-47.5	6	6	6	6	5	5	6	6	6	6
-55.0	4	4	4	4	4	4	4	4	4	4
-65.0	3	3	3	3	3	3	3	3	3	3
-75.0	1	2	2	2	2	2	1	1	1	1
-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	1	1	1	1	1	1	1	1	1	1
75.0	12	12	12	12	12	12	12	13	12	12
65.0	35 *	34 *	34 *	34 *	35 *	35 *	35 *	35 *	35 *	34 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510721.IES

CANDELA TABULATION - (Cont.)

55.0	84 *	83 *	83 *	83 *	84 *	84 *	83 *	82 *	81 *	79 *
47.5	128 *	127 *	127 *	127 *	128 *	127 *	126 *	125 *	123 *	121 *
42.5	142 *	142 *	142 *	142 *	142 *	141 *	141 *	140 *	138 *	136 *
37.5	147 *	147 *	147 *	147 *	147 *	146 *	145 *	144 *	143 *	142 *
33.0	148 *	148 *	148 *	148 *	148 *	147 *	146 *	146 *	144 *	143 *
29.0	148 *	148 *	148 *	148 *	148 *	147 *	146 *	145 *	144 *	143 *
25.5	146 *	146 *	146 *	146 *	146 *	146 *	145 *	145 *	143 *	142 *
22.5	144 *	144 *	145 *	144 *	144 *	144 *	143 *	142 *	142 *	141 *
19.5	142 *	142 *	142 *	142 *	142 *	142 *	141 *	140 *	139 *	138 *
17.0	139 *	139 *	139 *	139 *	139 *	139 *	138 *	137 *	137 *	136 *
15.0	136 *	136 *	136 *	136 *	136 *	136 *	135 *	134 *	134 *	133 *
13.0	133 *	133 *	133 *	133 *	133 *	132 *	132 *	131 *	131 *	129 *
11.0	129 *	129 *	130 *	129 *	129 *	128 *	128 *	127 *	127 *	126 *
9.0	124 *	125 *	126 *	125 *	124 *	124 *	124 *	124 *	123 *	122 *
7.0	121 *	121 *	121 *	121 *	121 *	121 *	120 *	119 *	119 *	118 *
5.0	116 *	116 *	117 *	116 *	116 *	115 *	115 *	115 *	114 *	114 *
3.0	112 *	112 *	113 *	112 *	112 *	112 *	112 *	111 *	111 *	110 *
1.0	108 *	108 *	108 *	108 *	108 *	108 *	108 *	108 *	107 *	106 *
0.0	106 *	106 *	106 *	106 *	106 *	106 *	105 *	105 *	105 *	104 *
-1.0	105 *	104 *	104 *	104 *	105 *	105 *	104 *	104 *	103 *	102 *
-3.0	101 *	101 *	101 *	101 *	101 *	100 *	100 *	100 *	99 *	99 *
-5.0	96 *	96 *	97 *	96 *	96 *	96 *	96 *	95 *	95 *	94 *
-7.0	91 *	91 *	92 *	91 *	91 *	91 *	90 *	90 *	90 *	89 *
-9.0	84 *	85 *	86 *	85 *	84 *	85 *	84 *	84 *	83 *	82 *
-11.0	76 *	76 *	78 *	76 *	76 *	76 *	76 *	76 *	75 *	74 *
-13.0	67 *	68 *	69 *	68 *	67 *	67 *	67 *	66 *	66 *	65 *
-15.0	57 *	58 *	59 *	58 *	57 *	57 *	57 *	56 *	56 *	56 *
-17.0	47 *	48 *	49 *	48 *	47 *	47 *	47 *	47 *	46 *	46 *
-19.5	37 *	37 *	37 *	37 *	37 *	36 *	37 *	36 *	36 *	36 *
-22.5	27 *	27 *	27 *	27 *	27 *	27 *	27 *	27 *	26 *	27 *
-25.5	20 *	21 *	21 *	21 *	20 *	20 *	20 *	21 *	21 *	20 *
-29.0	16 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *	16 *
-33.0	13	13	13	13	13	12	12	12	12	12
-37.5	10	10	10	10	10	10	10	10	10	10
-42.5	7	7	7	7	7	7	7	7	8	7
-47.5	6	6	6	6	6	6	6	6	6	5
-55.0	4	4	4	4	4	4	4	4	4	4
-65.0	3	3	3	3	3	3	3	3	3	3
-75.0	1	2	2	2	1	1	1	1	1	2
-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	1	1	1	1	1	1	1	1	0	0
75.0	11	12	12	11	11	10	9	8	7	6
65.0	33 *	33 *	32 *	31 *	30 *	28 *	26 *	23 *	20 *	16 *
55.0	77 *	76 *	72 *	69 *	65 *	60 *	54 *	47 *	39 *	32 *
47.5	118 *	116 *	112 *	107 *	101 *	94 *	84 *	73 *	59 *	47 *
42.5	134 *	132 *	128 *	124 *	119 *	112 *	102 *	89 *	74 *	59 *
37.5	140 *	138 *	135 *	132 *	127 *	121 *	113 *	101 *	86 *	69 *
33.0	141 *	140 *	138 *	134 *	130 *	124 *	117 *	107 *	93 *	76 *
29.0	141 *	140 *	138 *	134 *	130 *	125 *	118 *	109 *	96 *	80 *
25.5	141 *	139 *	137 *	133 *	130 *	125 *	118 *	109 *	97 *	83 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510721.IES

CANDELA TABULATION - (Cont.)

22.5	139 *	138 *	135 *	132 *	129 *	124 *	116 *	108 *	97 *	83 *
19.5	137 *	136 *	133 *	129 *	126 *	121 *	115 *	106 *	95 *	83 *
17.0	134 *	133 *	130 *	127 *	124 *	119 *	113 *	105 *	94 *	82 *
15.0	131 *	130 *	128 *	125 *	122 *	117 *	111 *	103 *	93 *	80 *
13.0	129 *	127 *	125 *	122 *	119 *	114 *	109 *	101 *	91 *	79 *
11.0	124 *	123 *	122 *	119 *	116 *	111 *	106 *	99 *	89 *	78 *
9.0	120 *	119 *	118 *	115 *	112 *	109 *	103 *	96 *	87 *	76 *
7.0	117 *	116 *	114 *	111 *	109 *	105 *	100 *	93 *	85 *	74 *
5.0	113 *	112 *	110 *	107 *	105 *	101 *	97 *	90 *	82 *	72 *
3.0	109 *	108 *	107 *	104 *	101 *	98 *	94 *	87 *	80 *	70 *
1.0	105 *	104 *	102 *	100 *	97 *	95 *	90 *	84 *	77 *	67 *
0.0	103 *	101 *	100 *	98 *	96 *	93 *	88 *	82 *	75 *	66 *
-1.0	102 *	100 *	99 *	97 *	94 *	91 *	87 *	80 *	73 *	64 *
-3.0	98 *	96 *	95 *	93 *	90 *	88 *	83 *	77 *	70 *	61 *
-5.0	93 *	92 *	91 *	88 *	86 *	83 *	79 *	73 *	66 *	57 *
-7.0	88 *	87 *	86 *	83 *	81 *	78 *	74 *	68 *	61 *	53 *
-9.0	82 *	81 *	79 *	77 *	75 *	72 *	68 *	63 *	57 *	49 *
-11.0	74 *	73 *	72 *	70 *	68 *	65 *	61 *	57 *	52 *	45 *
-13.0	65 *	64 *	63 *	62 *	60 *	58 *	55 *	52 *	47 *	41 *
-15.0	55 *	55 *	54 *	53 *	52 *	50 *	48 *	46 *	42 *	37 *
-17.0	46 *	46 *	45 *	44 *	44 *	43 *	42 *	40 *	37 *	33 *
-19.5	36 *	36 *	36 *	35 *	35 *	35 *	34 *	33 *	31 *	29 *
-22.5	27 *	27 *	27 *	27 *	27 *	27 *	27 *	27 *	26 *	24 *
-25.5	20 *	21 *	21 *	21 *	21 *	21 *	21 *	22 *	21 *	21 *
-29.0	16 *	16 *	16 *	16 *	17 *	17 *	17 *	17 *	18 *	17 *
-33.0	13	13	13	13	13	13	13	13	13	14
-37.5	10	10	10	10	10	10	10	11	11	11
-42.5	7	7	7	7	8	8	8	8	9	9
-47.5	5	6	6	6	6	6	6	6	7	7
-55.0	4	4	4	4	4	4	4	5	6	6
-65.0	3	3	3	3	3	3	3	3	3	3
-75.0	2	2	2	2	1	1	2	2	1	1
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

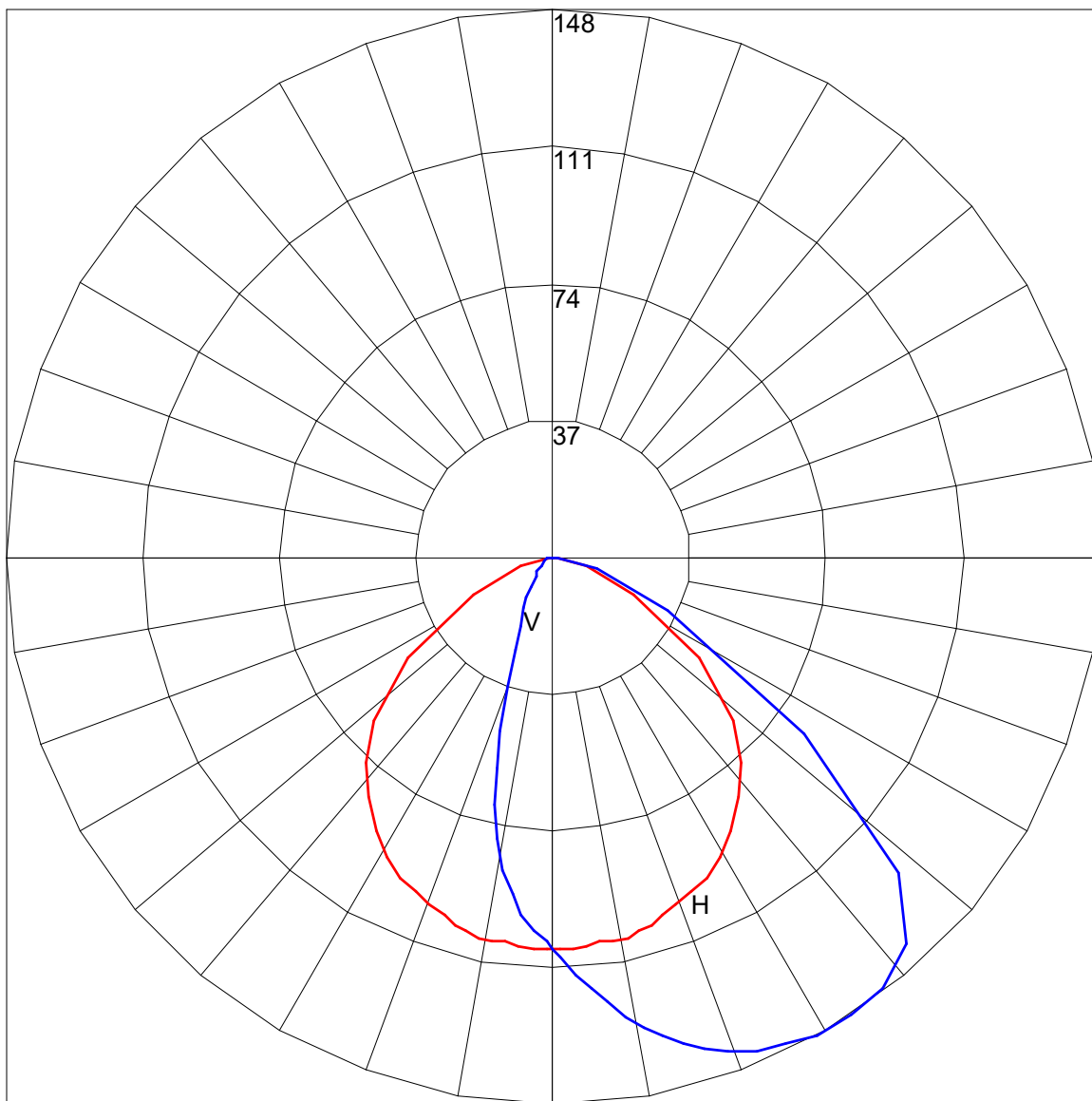
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	4	2	1	0	0
65.0	11	5	2	0	0
55.0	22 *	11	3	0	0
47.5	31 *	15 *	4	0	0
42.5	38 *	18 *	5	0	0
37.5	44 *	20 *	6	1	0
33.0	49 *	22 *	7	1	0
29.0	53 *	24 *	8	1	0
25.5	56 *	25 *	8	1	0
22.5	57 *	26 *	9	1	0
19.5	58 *	27 *	9	1	0
17.0	57 *	27 *	9	1	0
15.0	57 *	27 *	9	1	0
13.0	57 *	26 *	9	1	0
11.0	56 *	26 *	9	1	0
9.0	55 *	26 *	9	1	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510721.IES

CANDELA TABULATION - (Cont.)

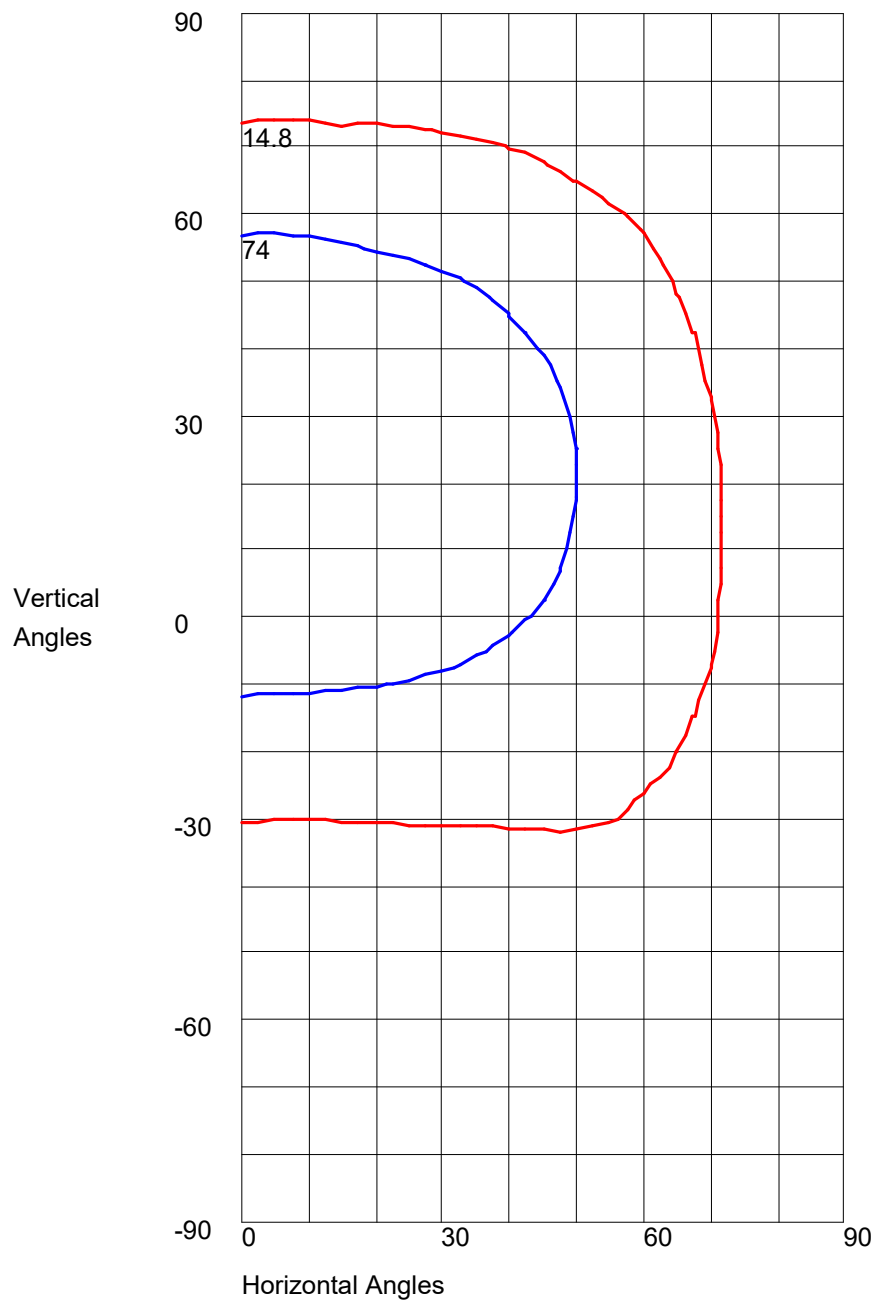
7.0	54 *	26 *	9	1	0
5.0	52 *	25 *	9	1	0
3.0	51 *	25 *	9	1	0
1.0	49 *	24 *	9	1	0
0.0	48 *	24 *	9	1	0
-1.0	47 *	24 *	9	1	0
-3.0	45 *	23 *	9	1	0
-5.0	42 *	22 *	9	1	0
-7.0	39 *	21 *	9	1	0
-9.0	37 *	20 *	8	1	0
-11.0	34 *	19 *	8	1	0
-13.0	32 *	18 *	8	1	0
-15.0	29 *	17 *	8	1	0
-17.0	27 *	16 *	8	1	0
-19.5	24 *	15 *	7	1	0
-22.5	21 *	14	7	1	0
-25.5	18 *	12	6	1	0
-29.0	16 *	11	6	1	0
-33.0	13	10	5	1	0
-37.5	11	9	4	1	0
-42.5	9	7	3	0	0
-47.5	8	6	3	0	0
-55.0	5	4	2	0	0
-65.0	3	2	1	0	0
-75.0	1	1	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 148 Located At Horizontal Angle = -3, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 148 Located At Horizontal Angle = -3, Vertical Angle = 29
50% Maximum Candela = 74
10% Maximum Candela = 14.8