



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510709.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510709
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/5/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1051-WF-RGBW-(R)
[LUMINAIRE] 1051 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	113
Maximum Candela Angle	-1H -19.5V
Horizontal Beam Angle (50%)	80.0
Vertical Beam Angle (50%)	90.6
Horizontal Field Angle (10%)	147.4
Vertical Field Angle (10%)	149.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	159
Beam Efficiency	N.A.
Field Lumens	240
Field Efficiency	N.A.
Spill Lumens	7
Luminaire Lumens	248
Total Efficiency	N.A.
Total Luminaire Watts	8.6
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	2	85	2
75	11	75	11
65	22	65	20
55	31	55	31
47.5	40	47.5	49
42.5	48	42.5	66
37.5	55	37.5	83
33	63	33	97
29	70	29	106
25.5	76	25.5	110
22.5	81	22.5	113
19.5	86	19.5	113
17	89	17	112
15	92	15	111
13	94	13	109
11	96	11	108
9	98	9	106
7	99	7	105
5	100	5	104
3	101	3	103
1	102	1	102
0	102	0	102
-1	102	-1	102
-3	101	-3	103
-5	100	-5	104
-7	99	-7	105
-9	98	-9	106
-11	96	-11	108
-13	94	-13	109
-15	92	-15	111
-17	89	-17	112
-19.5	86	-19.5	113
-22.5	81	-22.5	113
-25.5	76	-25.5	110
-29	70	-29	106
-33	63	-33	97
-37.5	55	-37.5	83
-42.5	48	-42.5	66
-47.5	40	-47.5	49
-55	31	-55	31
-65	22	-65	20
-75	11	-75	11
-85	2	-85	2
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 113

Beam Edge = 56.5 Cd (50% of Max.)

Field Edge = 11.3 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	1	1	1	1	1	1	1
75.0	0	1	2	3	4	6	7	7	8	9
65.0	0	1	3	6	10	12 *	14 *	16 *	17 *	17 *
55.0	0	1	4	10	16 *	20 *	23 *	25 *	28 *	29 *
47.5	0	1	6	13 *	20 *	26 *	31 *	36 *	39 *	42 *
42.5	0	1	7	15 *	23 *	31 *	37 *	44 *	49 *	53 *
37.5	0	2	7	17 *	25 *	35 *	43 *	51 *	59 *	64 *
33.0	0	2	8	18 *	28 *	38 *	47 *	57 *	66 *	73 *
29.0	0	2	9	19 *	29 *	40 *	49 *	60 *	69 *	78 *
25.5	0	2	9	20 *	30 *	41 *	51 *	61 *	71 *	80 *
22.5	0	2	10	20 *	31 *	41 *	51 *	62 *	72 *	80 *
19.5	0	2	10	21 *	31 *	42 *	51 *	62 *	71 *	80 *
17.0	0	2	10	21 *	31 *	41 *	51 *	61 *	70 *	79 *
15.0	0	2	10	21 *	31 *	42 *	50 *	60 *	69 *	77 *
13.0	0	2	11	21 *	32 *	42 *	50 *	59 *	68 *	76 *
11.0	0	2	11	22 *	32 *	41 *	49 *	58 *	67 *	75 *
9.0	0	2	11	22 *	32 *	41 *	49 *	57 *	66 *	73 *
7.0	0	2	11	22 *	32 *	41 *	48 *	57 *	65 *	72 *
5.0	0	2	11	22 *	32 *	41 *	48 *	57 *	65 *	72 *
3.0	0	2	11	22 *	31 *	41 *	48 *	56 *	64 *	71 *
1.0	0	2	11	22 *	31 *	40 *	48 *	56 *	63 *	70 *
0.0	0	2	11	22 *	31 *	40 *	48 *	55 *	63 *	70 *
-1.0	0	2	11	22 *	31 *	40 *	48 *	56 *	63 *	70 *
-3.0	0	2	11	22 *	31 *	41 *	48 *	56 *	64 *	71 *
-5.0	0	2	11	22 *	32 *	41 *	48 *	57 *	65 *	72 *
-7.0	0	2	11	22 *	32 *	41 *	48 *	57 *	65 *	72 *
-9.0	0	2	11	22 *	32 *	41 *	49 *	57 *	66 *	73 *
-11.0	0	2	11	22 *	32 *	41 *	49 *	58 *	67 *	75 *
-13.0	0	2	11	21 *	32 *	42 *	50 *	59 *	68 *	76 *
-15.0	0	2	10	21 *	31 *	42 *	50 *	60 *	69 *	77 *
-17.0	0	2	10	21 *	31 *	41 *	51 *	61 *	70 *	79 *
-19.5	0	2	10	21 *	31 *	42 *	51 *	62 *	71 *	80 *
-22.5	0	2	10	20 *	31 *	41 *	51 *	62 *	72 *	80 *
-25.5	0	2	9	20 *	30 *	41 *	51 *	61 *	71 *	80 *
-29.0	0	2	9	19 *	29 *	40 *	49 *	60 *	69 *	78 *
-33.0	0	2	8	18 *	28 *	38 *	47 *	57 *	66 *	73 *
-37.5	0	2	7	17 *	25 *	35 *	43 *	51 *	59 *	64 *
-42.5	0	1	7	15 *	23 *	31 *	37 *	44 *	49 *	53 *
-47.5	0	1	6	13 *	20 *	26 *	31 *	36 *	39 *	42 *
-55.0	0	1	4	10	16 *	20 *	23 *	25 *	28 *	29 *
-65.0	0	1	3	6	10	12 *	14 *	16 *	17 *	17 *
-75.0	0	1	2	3	4	6	7	7	8	9
-85.0	0	0	1	1	1	1	1	1	1	1
-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	2	1	1	1	1	1	2	2	1	1
75.0	9	10	10	10	10	11	11	11	11	11
65.0	18 *	19 *	19 *	19 *	19 *	19 *	19 *	20 *	20 *	20 *
55.0	29 *	30 *	30 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *
47.5	44 *	45 *	47 *	47 *	47 *	48 *	49 *	49 *	49 *	49 *
42.5	57 *	59 *	61 *	62 *	62 *	63 *	64 *	65 *	65 *	66 *
37.5	69 *	72 *	75 *	77 *	78 *	79 *	80 *	82 *	82 *	82 *
33.0	79 *	83 *	86 *	89 *	90 *	91 *	93 *	95 *	95 *	96 *
29.0	84 *	89 *	93 *	96 *	98 *	99 *	101 *	103 *	104 *	105 *
25.5	87 *	92 *	96 *	100 *	102 *	104 *	106 *	107 *	108 *	109 *
22.5	87 *	93 *	98 *	101 *	104 *	105 *	107 *	109 *	110 *	111 *
19.5	87 *	92 *	97 *	101 *	103 *	106 *	108 *	109 *	110 *	111 *
17.0	86 *	91 *	96 *	100 *	102 *	105 *	107 *	108 *	109 *	111 *
15.0	85 *	90 *	95 *	99 *	101 *	103 *	105 *	107 *	109 *	110 *
13.0	83 *	88 *	93 *	97 *	100 *	102 *	104 *	106 *	107 *	108 *
11.0	82 *	87 *	92 *	96 *	98 *	101 *	102 *	104 *	106 *	106 *
9.0	80 *	85 *	90 *	94 *	96 *	99 *	101 *	102 *	104 *	105 *
7.0	79 *	84 *	89 *	92 *	95 *	97 *	99 *	101 *	102 *	104 *
5.0	78 *	83 *	88 *	91 *	94 *	96 *	98 *	100 *	101 *	102 *
3.0	77 *	82 *	87 *	90 *	93 *	95 *	97 *	99 *	101 *	101 *
1.0	77 *	81 *	86 *	89 *	92 *	94 *	96 *	98 *	100 *	101 *
0.0	76 *	81 *	86 *	89 *	92 *	94 *	96 *	98 *	99 *	100 *
-1.0	77 *	81 *	86 *	89 *	92 *	94 *	96 *	98 *	100 *	101 *
-3.0	77 *	82 *	87 *	90 *	93 *	95 *	97 *	99 *	101 *	101 *
-5.0	78 *	83 *	88 *	91 *	94 *	96 *	98 *	100 *	101 *	102 *
-7.0	79 *	84 *	89 *	92 *	95 *	97 *	99 *	101 *	102 *	104 *
-9.0	80 *	85 *	90 *	94 *	96 *	99 *	101 *	102 *	104 *	105 *
-11.0	82 *	87 *	92 *	96 *	98 *	101 *	102 *	104 *	106 *	106 *
-13.0	83 *	88 *	93 *	97 *	100 *	102 *	104 *	106 *	107 *	108 *
-15.0	85 *	90 *	95 *	99 *	101 *	103 *	105 *	107 *	109 *	110 *
-17.0	86 *	91 *	96 *	100 *	102 *	105 *	107 *	108 *	109 *	111 *
-19.5	87 *	92 *	97 *	101 *	103 *	106 *	108 *	109 *	110 *	111 *
-22.5	87 *	93 *	98 *	101 *	104 *	105 *	107 *	109 *	110 *	111 *
-25.5	87 *	92 *	96 *	100 *	102 *	104 *	106 *	107 *	108 *	109 *
-29.0	84 *	89 *	93 *	96 *	98 *	99 *	101 *	103 *	104 *	105 *
-33.0	79 *	83 *	86 *	89 *	90 *	91 *	93 *	95 *	95 *	96 *
-37.5	69 *	72 *	75 *	77 *	78 *	79 *	80 *	82 *	82 *	82 *
-42.5	57 *	59 *	61 *	62 *	62 *	63 *	64 *	65 *	65 *	66 *
-47.5	44 *	45 *	47 *	47 *	47 *	48 *	49 *	49 *	49 *	49 *
-55.0	29 *	30 *	30 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *
-65.0	18 *	19 *	19 *	19 *	19 *	19 *	19 *	20 *	20 *	20 *
-75.0	9	10	10	10	10	11	11	11	11	11
-85.0	2	1	1	1	1	1	2	2	1	1
-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	2	2	2	1	1	1	2	2	1
75.0	11	11	11	11	11	11	11	11	11	11
65.0	20 *	20 *	20 *	20 *	20 *	20 *	20 *	20 *	19 *	19 *

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CANDELA TABULATION - (Cont.)

55.0	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *
47.5	49 *	49 *	49 *	49 *	49 *	49 *	49 *	49 *	49 *	48 *
42.5	66 *	66 *	66 *	66 *	66 *	66 *	65 *	65 *	64 *	63 *
37.5	83 *	83 *	83 *	83 *	83 *	82 *	82 *	82 *	80 *	79 *
33.0	96 *	97 *	97 *	97 *	96 *	96 *	95 *	95 *	93 *	91 *
29.0	105 *	106 *	106 *	106 *	105 *	105 *	104 *	103 *	101 *	99 *
25.5	110 *	110 *	110 *	110 *	110 *	109 *	108 *	107 *	106 *	104 *
22.5	111 *	112 *	113 *	112 *	111 *	111 *	110 *	109 *	107 *	105 *
19.5	112 *	113 *	113 *	113 *	112 *	111 *	110 *	109 *	108 *	106 *
17.0	111 *	112 *	112 *	112 *	111 *	111 *	109 *	108 *	107 *	105 *
15.0	110 *	111 *	111 *	111 *	110 *	110 *	109 *	107 *	105 *	103 *
13.0	109 *	109 *	109 *	109 *	109 *	108 *	107 *	106 *	104 *	102 *
11.0	107 *	108 *	108 *	108 *	107 *	106 *	106 *	104 *	102 *	101 *
9.0	106 *	106 *	106 *	106 *	106 *	105 *	104 *	102 *	101 *	99 *
7.0	104 *	105 *	105 *	105 *	104 *	104 *	102 *	101 *	99 *	97 *
5.0	103 *	104 *	104 *	104 *	103 *	102 *	101 *	100 *	98 *	96 *
3.0	102 *	103 *	103 *	103 *	102 *	101 *	101 *	99 *	97 *	95 *
1.0	102 *	102 *	102 *	102 *	102 *	101 *	100 *	98 *	96 *	94 *
0.0	101 *	102 *	102 *	102 *	101 *	100 *	99 *	98 *	96 *	94 *
-1.0	102 *	102 *	102 *	102 *	102 *	101 *	100 *	98 *	96 *	94 *
-3.0	102 *	103 *	103 *	103 *	102 *	101 *	101 *	99 *	97 *	95 *
-5.0	103 *	104 *	104 *	104 *	103 *	102 *	101 *	100 *	98 *	96 *
-7.0	104 *	105 *	105 *	105 *	104 *	104 *	102 *	101 *	99 *	97 *
-9.0	106 *	106 *	106 *	106 *	106 *	105 *	104 *	102 *	101 *	99 *
-11.0	107 *	108 *	108 *	108 *	107 *	106 *	106 *	104 *	102 *	101 *
-13.0	109 *	109 *	109 *	109 *	109 *	108 *	107 *	106 *	104 *	102 *
-15.0	110 *	111 *	111 *	111 *	110 *	110 *	109 *	107 *	105 *	103 *
-17.0	111 *	112 *	112 *	112 *	111 *	111 *	109 *	108 *	107 *	105 *
-19.5	112 *	113 *	113 *	113 *	112 *	111 *	110 *	109 *	108 *	106 *
-22.5	111 *	112 *	113 *	112 *	111 *	111 *	110 *	109 *	107 *	105 *
-25.5	110 *	110 *	110 *	110 *	110 *	109 *	108 *	107 *	106 *	104 *
-29.0	105 *	106 *	106 *	106 *	105 *	105 *	104 *	103 *	101 *	99 *
-33.0	96 *	97 *	97 *	97 *	96 *	96 *	95 *	95 *	93 *	91 *
-37.5	83 *	83 *	83 *	83 *	83 *	82 *	82 *	82 *	80 *	79 *
-42.5	66 *	66 *	66 *	66 *	66 *	66 *	65 *	65 *	64 *	63 *
-47.5	49 *	49 *	49 *	49 *	49 *	49 *	49 *	49 *	49 *	48 *
-55.0	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *	31 *
-65.0	20 *	20 *	20 *	20 *	20 *	20 *	20 *	20 *	19 *	19 *
-75.0	11	11	11	11	11	11	11	11	11	11
-85.0	1	2	2	2	1	1	1	2	2	1
-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	2	1	1	1	1	1
75.0	10	10	10	10	9	9	8	7	7	6
65.0	19 *	19 *	19 *	19 *	18 *	17 *	17 *	16 *	14 *	12 *
55.0	31 *	31 *	30 *	30 *	29 *	29 *	28 *	25 *	23 *	20 *
47.5	47 *	47 *	47 *	45 *	44 *	42 *	39 *	36 *	31 *	26 *
42.5	62 *	62 *	61 *	59 *	57 *	53 *	49 *	44 *	37 *	31 *
37.5	78 *	77 *	75 *	72 *	69 *	64 *	59 *	51 *	43 *	35 *
33.0	90 *	89 *	86 *	83 *	79 *	73 *	66 *	57 *	47 *	38 *
29.0	98 *	96 *	93 *	89 *	84 *	78 *	69 *	60 *	49 *	40 *
25.5	102 *	100 *	96 *	92 *	87 *	80 *	71 *	61 *	51 *	41 *

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CANDELA TABULATION - (Cont.)

22.5	104 *	101 *	98 *	93 *	87 *	80 *	72 *	62 *	51 *	41 *
19.5	103 *	101 *	97 *	92 *	87 *	80 *	71 *	62 *	51 *	42 *
17.0	102 *	100 *	96 *	91 *	86 *	79 *	70 *	61 *	51 *	41 *
15.0	101 *	99 *	95 *	90 *	85 *	77 *	69 *	60 *	50 *	42 *
13.0	100 *	97 *	93 *	88 *	83 *	76 *	68 *	59 *	50 *	42 *
11.0	98 *	96 *	92 *	87 *	82 *	75 *	67 *	58 *	49 *	41 *
9.0	96 *	94 *	90 *	85 *	80 *	73 *	66 *	57 *	49 *	41 *
7.0	95 *	92 *	89 *	84 *	79 *	72 *	65 *	57 *	48 *	41 *
5.0	94 *	91 *	88 *	83 *	78 *	72 *	65 *	57 *	48 *	41 *
3.0	93 *	90 *	87 *	82 *	77 *	71 *	64 *	56 *	48 *	41 *
1.0	92 *	89 *	86 *	81 *	77 *	70 *	63 *	56 *	48 *	40 *
0.0	92 *	89 *	86 *	81 *	76 *	70 *	63 *	55 *	48 *	40 *
-1.0	92 *	89 *	86 *	81 *	77 *	70 *	63 *	56 *	48 *	40 *
-3.0	93 *	90 *	87 *	82 *	77 *	71 *	64 *	56 *	48 *	41 *
-5.0	94 *	91 *	88 *	83 *	78 *	72 *	65 *	57 *	48 *	41 *
-7.0	95 *	92 *	89 *	84 *	79 *	72 *	65 *	57 *	48 *	41 *
-9.0	96 *	94 *	90 *	85 *	80 *	73 *	66 *	57 *	49 *	41 *
-11.0	98 *	96 *	92 *	87 *	82 *	75 *	67 *	58 *	49 *	41 *
-13.0	100 *	97 *	93 *	88 *	83 *	76 *	68 *	59 *	50 *	42 *
-15.0	101 *	99 *	95 *	90 *	85 *	77 *	69 *	60 *	50 *	42 *
-17.0	102 *	100 *	96 *	91 *	86 *	79 *	70 *	61 *	51 *	41 *
-19.5	103 *	101 *	97 *	92 *	87 *	80 *	71 *	62 *	51 *	42 *
-22.5	104 *	101 *	98 *	93 *	87 *	80 *	72 *	62 *	51 *	41 *
-25.5	102 *	100 *	96 *	92 *	87 *	80 *	71 *	61 *	51 *	41 *
-29.0	98 *	96 *	93 *	89 *	84 *	78 *	69 *	60 *	49 *	40 *
-33.0	90 *	89 *	86 *	83 *	79 *	73 *	66 *	57 *	47 *	38 *
-37.5	78 *	77 *	75 *	72 *	69 *	64 *	59 *	51 *	43 *	35 *
-42.5	62 *	62 *	61 *	59 *	57 *	53 *	49 *	44 *	37 *	31 *
-47.5	47 *	47 *	47 *	45 *	44 *	42 *	39 *	36 *	31 *	26 *
-55.0	31 *	31 *	30 *	30 *	29 *	29 *	28 *	25 *	23 *	20 *
-65.0	19 *	19 *	19 *	19 *	18 *	17 *	17 *	16 *	14 *	12 *
-75.0	10	10	10	10	9	9	8	7	7	6
-85.0	1	1	1	1	2	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

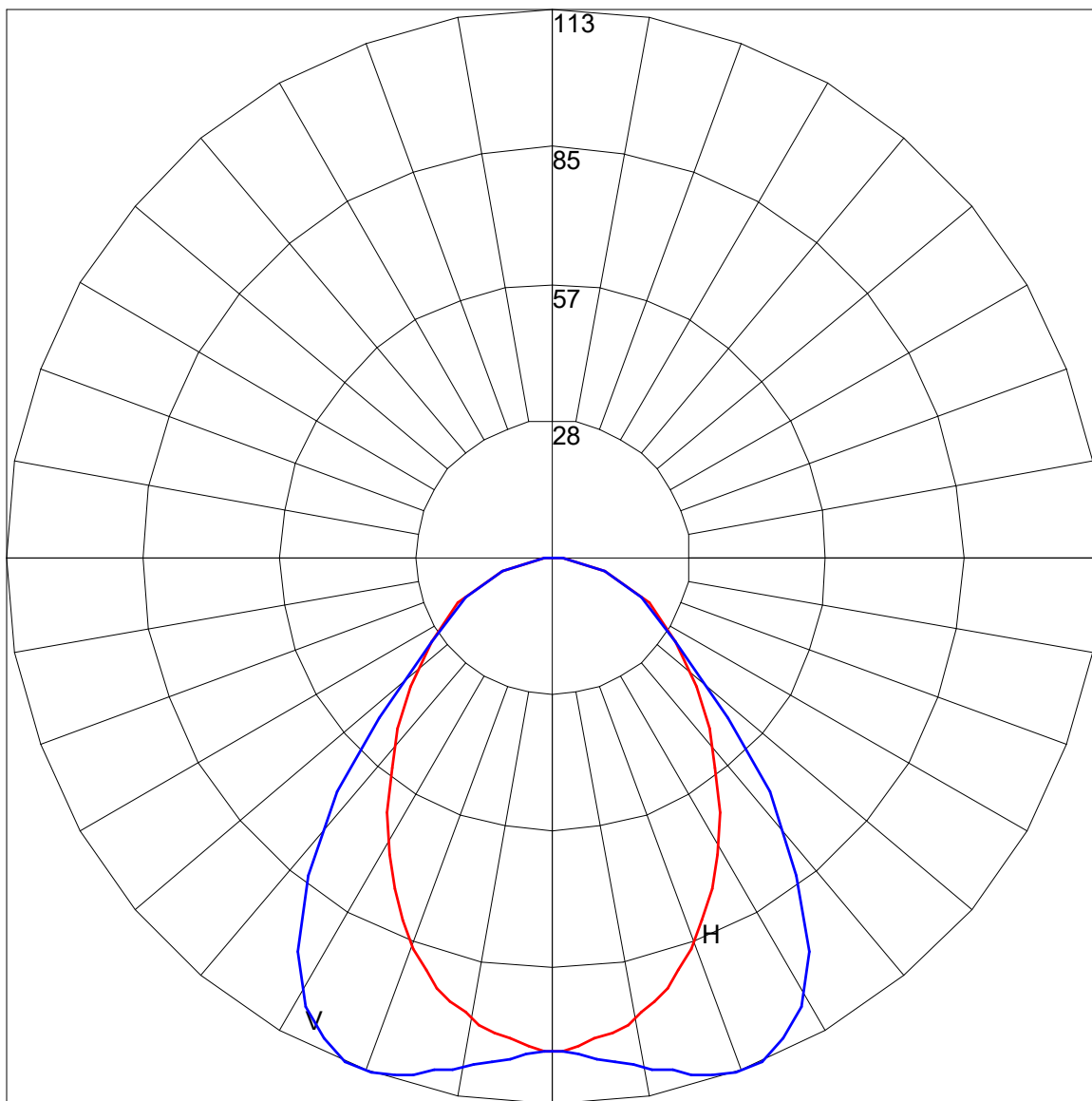
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	1	1	1	0	0
75.0	4	3	2	1	0
65.0	10	6	3	1	0
55.0	16 *	10	4	1	0
47.5	20 *	13 *	6	1	0
42.5	23 *	15 *	7	1	0
37.5	25 *	17 *	7	2	0
33.0	28 *	18 *	8	2	0
29.0	29 *	19 *	9	2	0
25.5	30 *	20 *	9	2	0
22.5	31 *	20 *	10	2	0
19.5	31 *	21 *	10	2	0
17.0	31 *	21 *	10	2	0
15.0	31 *	21 *	10	2	0
13.0	32 *	21 *	11	2	0
11.0	32 *	22 *	11	2	0
9.0	32 *	22 *	11	2	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : L052510709.IES

CANDELA TABULATION - (Cont.)

7.0	32 *	22 *	11	2	0
5.0	32 *	22 *	11	2	0
3.0	31 *	22 *	11	2	0
1.0	31 *	22 *	11	2	0
0.0	31 *	22 *	11	2	0
-1.0	31 *	22 *	11	2	0
-3.0	31 *	22 *	11	2	0
-5.0	32 *	22 *	11	2	0
-7.0	32 *	22 *	11	2	0
-9.0	32 *	22 *	11	2	0
-11.0	32 *	22 *	11	2	0
-13.0	32 *	21 *	11	2	0
-15.0	31 *	21 *	10	2	0
-17.0	31 *	21 *	10	2	0
-19.5	31 *	21 *	10	2	0
-22.5	31 *	20 *	10	2	0
-25.5	30 *	20 *	9	2	0
-29.0	29 *	19 *	9	2	0
-33.0	28 *	18 *	8	2	0
-37.5	25 *	17 *	7	2	0
-42.5	23 *	15 *	7	1	0
-47.5	20 *	13 *	6	1	0
-55.0	16 *	10	4	1	0
-65.0	10	6	3	1	0
-75.0	4	3	2	1	0
-85.0	1	1	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY

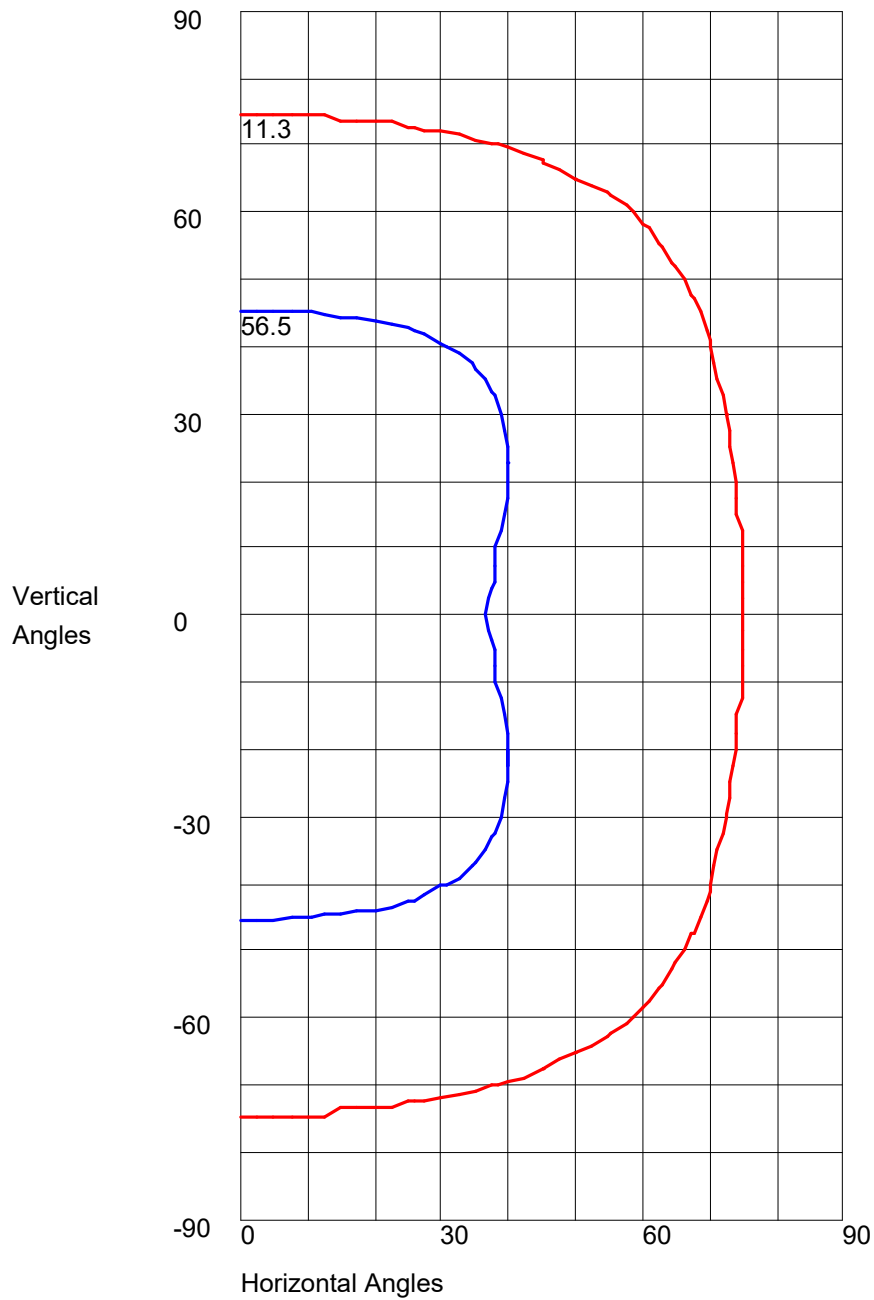


Maximum Candela = 113 Located At Horizontal Angle =-1, Vertical Angle =-19.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 113 Located At Horizontal Angle = -1, Vertical Angle = -19.5
50% Maximum Candela = 56.5
10% Maximum Candela = 11.3