



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510703.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510703
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/5/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1051-NS-RGBW-(B)
[LUMINAIRE] 1051 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	104
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	88.6
Vertical Beam Angle (50%)	30.7
Horizontal Field Angle (10%)	139.2
Vertical Field Angle (10%)	123.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	48
Beam Efficiency	N.A.
Field Lumens	109
Field Efficiency	N.A.
Spill Lumens	11
Luminaire Lumens	119
Total Efficiency	N.A.
Total Luminaire Watts	11.26
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	5	75	4
65	15	65	10
55	30	55	13
47.5	45	47.5	16
42.5	56	42.5	17
37.5	67	37.5	18
33	76	33	21
29	84	29	24
25.5	89	25.5	28
22.5	92	22.5	33
19.5	95	19.5	40
17	97	17	47
15	99	15	54
13	100	13	62
11	101	11	71
9	102	9	79
7	102	7	88
5	103	5	96
3	104	3	100
1	103	1	102
0	103	0	103
-1	103	-1	102
-3	104	-3	100
-5	103	-5	96
-7	102	-7	88
-9	102	-9	79
-11	101	-11	71
-13	100	-13	62
-15	99	-15	54
-17	97	-17	47
-19.5	95	-19.5	40
-22.5	92	-22.5	33
-25.5	89	-25.5	28
-29	84	-29	24
-33	76	-33	21
-37.5	67	-37.5	18
-42.5	56	-42.5	17
-47.5	45	-47.5	16
-55	30	-55	13
-65	15	-65	10
-75	5	-75	4
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 104

Beam Edge = 52 Cd (50% of Max.)

Field Edge = 10.4 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	0	1	1	2	2	2
65.0	0	0	1	1	3	4	4	5	6	7
55.0	0	0	1	3	5	7	7	9	10	10
47.5	0	0	2	5	8	9	10	11 *	12 *	12 *
42.5	0	0	2	6	10	11 *	12 *	12 *	13 *	14 *
37.5	0	0	3	8	11 *	13 *	14 *	15 *	16 *	16 *
33.0	0	0	3	9	13 *	15 *	16 *	17 *	18 *	18 *
29.0	0	0	3	10	16 *	18 *	19 *	20 *	21 *	22 *
25.5	0	0	3	11 *	18 *	21 *	22 *	23 *	25 *	25 *
22.5	0	0	4	11 *	19 *	24 *	25 *	27 *	28 *	29 *
19.5	0	0	4	12 *	21 *	27 *	29 *	32 *	33 *	35 *
17.0	0	0	4	13 *	22 *	29 *	33 *	36 *	38 *	40 *
15.0	0	0	4	13 *	24 *	32 *	36 *	40 *	42 *	45 *
13.0	0	0	4	14 *	25 *	34 *	39 *	44 *	47 *	51 *
11.0	0	0	4	14 *	26 *	36 *	43 *	49 *	53 *	57 *
9.0	0	0	4	15 *	27 *	39 *	47 *	54 *	59 *	64 *
7.0	0	0	5	15 *	29 *	41 *	50 *	58 *	65 *	70 *
5.0	0	0	5	15 *	29 *	43 *	53 *	62 *	69 *	76 *
3.0	0	0	5	15 *	30 *	44 *	55 *	64 *	73 *	81 *
1.0	0	0	5	15 *	30 *	45 *	56 *	66 *	75 *	83 *
0.0	0	0	5	15 *	30 *	45 *	56 *	67 *	76 *	84 *
-1.0	0	0	5	15 *	30 *	45 *	56 *	66 *	75 *	83 *
-3.0	0	0	5	15 *	30 *	44 *	55 *	64 *	73 *	81 *
-5.0	0	0	5	15 *	29 *	43 *	53 *	62 *	69 *	76 *
-7.0	0	0	5	15 *	29 *	41 *	50 *	58 *	65 *	70 *
-9.0	0	0	4	15 *	27 *	39 *	47 *	54 *	59 *	64 *
-11.0	0	0	4	14 *	26 *	36 *	43 *	49 *	53 *	57 *
-13.0	0	0	4	14 *	25 *	34 *	39 *	44 *	47 *	51 *
-15.0	0	0	4	13 *	24 *	32 *	36 *	40 *	42 *	45 *
-17.0	0	0	4	13 *	22 *	29 *	33 *	36 *	38 *	40 *
-19.5	0	0	4	12 *	21 *	27 *	29 *	32 *	33 *	35 *
-22.5	0	0	4	11 *	19 *	24 *	25 *	27 *	28 *	29 *
-25.5	0	0	3	11 *	18 *	21 *	22 *	23 *	25 *	25 *
-29.0	0	0	3	10	16 *	18 *	19 *	20 *	21 *	22 *
-33.0	0	0	3	9	13 *	15 *	16 *	17 *	18 *	18 *
-37.5	0	0	3	8	11 *	13 *	14 *	15 *	16 *	16 *
-42.5	0	0	2	6	10	11 *	12 *	12 *	13 *	14 *
-47.5	0	0	2	5	8	9	10	11 *	12 *	12 *
-55.0	0	0	1	3	5	7	7	9	10	10
-65.0	0	0	1	1	3	4	4	5	6	7
-75.0	0	0	0	0	0	1	1	2	2	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

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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	2	3	3	4	4	4	4	4	4	4
65.0	7	7	7	8	8	9	9	9	9	9
55.0	10	11 *	12 *	12 *	12 *	13 *	13 *	13 *	13 *	13 *
47.5	13 *	13 *	14 *	15 *	15 *	15 *	15 *	15 *	16 *	16 *
42.5	15 *	15 *	16 *	16 *	16 *	16 *	17 *	17 *	17 *	17 *
37.5	16 *	17 *	17 *	18 *	18 *	18 *	18 *	19 *	18 *	18 *
33.0	20 *	19 *	20 *	20 *	20 *	20 *	20 *	21 *	21 *	21 *
29.0	22 *	23 *	23 *	24 *	24 *	23 *	24 *	24 *	24 *	24 *
25.5	26 *	26 *	27 *	27 *	27 *	28 *	28 *	28 *	28 *	28 *
22.5	30 *	31 *	31 *	32 *	32 *	32 *	33 *	33 *	33 *	33 *
19.5	36 *	37 *	37 *	38 *	38 *	38 *	39 *	39 *	39 *	40 *
17.0	42 *	43 *	44 *	44 *	45 *	45 *	46 *	47 *	47 *	47 *
15.0	47 *	49 *	49 *	51 *	51 *	52 *	53 *	53 *	54 *	54 *
13.0	53 *	55 *	57 *	58 *	59 *	60 *	61 *	61 *	61 *	62 *
11.0	60 *	63 *	65 *	66 *	67 *	68 *	69 *	70 *	70 *	70 *
9.0	67 *	70 *	72 *	74 *	76 *	77 *	77 *	78 *	79 *	80 *
7.0	75 *	78 *	81 *	82 *	84 *	85 *	85 *	86 *	87 *	88 *
5.0	81 *	84 *	87 *	90 *	91 *	92 *	93 *	94 *	94 *	95 *
3.0	86 *	89 *	92 *	94 *	96 *	97 *	98 *	98 *	99 *	99 *
1.0	88 *	92 *	95 *	97 *	99 *	100 *	101 *	101 *	102 *	102 *
0.0	89 *	92 *	95 *	97 *	99 *	100 *	101 *	102 *	102 *	103 *
-1.0	88 *	92 *	95 *	97 *	99 *	100 *	101 *	101 *	102 *	102 *
-3.0	86 *	89 *	92 *	94 *	96 *	97 *	98 *	98 *	99 *	99 *
-5.0	81 *	84 *	87 *	90 *	91 *	92 *	93 *	94 *	94 *	95 *
-7.0	75 *	78 *	81 *	82 *	84 *	85 *	85 *	86 *	87 *	88 *
-9.0	67 *	70 *	72 *	74 *	76 *	77 *	77 *	78 *	79 *	80 *
-11.0	60 *	63 *	65 *	66 *	67 *	68 *	69 *	70 *	70 *	70 *
-13.0	53 *	55 *	57 *	58 *	59 *	60 *	61 *	61 *	61 *	62 *
-15.0	47 *	49 *	49 *	51 *	51 *	52 *	53 *	53 *	54 *	54 *
-17.0	42 *	43 *	44 *	44 *	45 *	45 *	46 *	47 *	47 *	47 *
-19.5	36 *	37 *	37 *	38 *	38 *	38 *	39 *	39 *	39 *	40 *
-22.5	30 *	31 *	31 *	32 *	32 *	32 *	33 *	33 *	33 *	33 *
-25.5	26 *	26 *	27 *	27 *	27 *	28 *	28 *	28 *	28 *	28 *
-29.0	22 *	23 *	23 *	24 *	24 *	23 *	24 *	24 *	24 *	24 *
-33.0	20 *	19 *	20 *	20 *	20 *	20 *	20 *	21 *	21 *	21 *
-37.5	16 *	17 *	17 *	18 *	18 *	18 *	18 *	19 *	18 *	18 *
-42.5	15 *	15 *	16 *	16 *	16 *	16 *	17 *	17 *	17 *	17 *
-47.5	13 *	13 *	14 *	15 *	15 *	15 *	15 *	15 *	16 *	16 *
-55.0	10	11 *	12 *	12 *	12 *	13 *	13 *	13 *	13 *	13 *
-65.0	7	7	7	8	8	9	9	9	9	9
-75.0	2	3	3	4	4	4	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	0	0	0	0	0	0	0	0	0	0
75.0	4	4	4	4	4	4	4	4	4	4
65.0	9	10	10	10	9	9	9	9	9	9

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CANDELA TABULATION - (Cont.)

55.0	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *
47.5	16 *	16 *	16 *	16 *	16 *	16 *	16 *	15 *	15 *	15 *
42.5	17 *	17 *	17 *	17 *	17 *	17 *	17 *	17 *	17 *	16 *
37.5	18 *	18 *	18 *	18 *	18 *	18 *	18 *	19 *	18 *	18 *
33.0	21 *	21 *	21 *	21 *	21 *	21 *	21 *	21 *	20 *	20 *
29.0	25 *	24 *	24 *	24 *	25 *	24 *	24 *	24 *	24 *	23 *
25.5	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *
22.5	33 *	33 *	33 *	33 *	33 *	33 *	33 *	33 *	33 *	32 *
19.5	40 *	40 *	40 *	40 *	40 *	40 *	39 *	39 *	39 *	38 *
17.0	47 *	47 *	47 *	47 *	47 *	47 *	47 *	47 *	46 *	45 *
15.0	53 *	54 *	54 *	54 *	53 *	54 *	54 *	53 *	53 *	52 *
13.0	62 *	62 *	62 *	62 *	62 *	62 *	61 *	61 *	61 *	60 *
11.0	71 *	71 *	71 *	71 *	71 *	70 *	70 *	70 *	69 *	68 *
9.0	80 *	80 *	79 *	80 *	80 *	80 *	79 *	78 *	77 *	77 *
7.0	88 *	88 *	88 *	88 *	88 *	88 *	87 *	86 *	85 *	85 *
5.0	95 *	95 *	96 *	95 *	95 *	95 *	94 *	94 *	93 *	92 *
3.0	100 *	100 *	100 *	100 *	100 *	99 *	99 *	98 *	98 *	97 *
1.0	102 *	102 *	102 *	102 *	102 *	102 *	102 *	101 *	101 *	100 *
0.0	104 *	103 *	103 *	103 *	104 *	103 *	102 *	102 *	101 *	100 *
-1.0	102 *	102 *	102 *	102 *	102 *	102 *	102 *	101 *	101 *	100 *
-3.0	100 *	100 *	100 *	100 *	100 *	99 *	99 *	98 *	98 *	97 *
-5.0	95 *	95 *	96 *	95 *	95 *	95 *	94 *	94 *	93 *	92 *
-7.0	88 *	88 *	88 *	88 *	88 *	88 *	87 *	86 *	85 *	85 *
-9.0	80 *	80 *	79 *	80 *	80 *	80 *	79 *	78 *	77 *	77 *
-11.0	71 *	71 *	71 *	71 *	71 *	70 *	70 *	70 *	69 *	68 *
-13.0	62 *	62 *	62 *	62 *	62 *	62 *	61 *	61 *	61 *	60 *
-15.0	53 *	54 *	54 *	54 *	53 *	54 *	54 *	53 *	53 *	52 *
-17.0	47 *	47 *	47 *	47 *	47 *	47 *	47 *	47 *	46 *	45 *
-19.5	40 *	40 *	40 *	40 *	40 *	40 *	39 *	39 *	39 *	38 *
-22.5	33 *	33 *	33 *	33 *	33 *	33 *	33 *	33 *	33 *	32 *
-25.5	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *	28 *
-29.0	25 *	24 *	24 *	24 *	25 *	24 *	24 *	24 *	24 *	23 *
-33.0	21 *	21 *	21 *	21 *	21 *	21 *	21 *	21 *	20 *	20 *
-37.5	18 *	18 *	18 *	18 *	18 *	18 *	18 *	19 *	18 *	18 *
-42.5	17 *	17 *	17 *	17 *	17 *	17 *	17 *	17 *	17 *	16 *
-47.5	16 *	16 *	16 *	16 *	16 *	16 *	16 *	15 *	15 *	15 *
-55.0	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *	13 *
-65.0	9	10	10	10	9	9	9	9	9	9
-75.0	4	4	4	4	4	4	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. 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	4	4	3	3	2	2	2	2	1	1
65.0	8	8	7	7	7	7	6	5	4	4
55.0	12 *	12 *	12 *	11 *	10	10	10	9	7	7
47.5	15 *	15 *	14 *	13 *	13 *	12 *	12 *	11 *	10	9
42.5	16 *	16 *	16 *	15 *	15 *	14 *	13 *	12 *	12 *	11 *
37.5	18 *	18 *	17 *	17 *	16 *	16 *	16 *	15 *	14 *	13 *
33.0	20 *	20 *	20 *	19 *	20 *	18 *	18 *	17 *	16 *	15 *
29.0	24 *	24 *	23 *	23 *	22 *	22 *	21 *	20 *	19 *	18 *
25.5	27 *	27 *	27 *	26 *	26 *	25 *	25 *	23 *	22 *	21 *

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CANDELA TABULATION - (Cont.)

22.5	32 *	32 *	31 *	31 *	30 *	29 *	28 *	27 *	25 *	24 *
19.5	38 *	38 *	37 *	37 *	36 *	35 *	33 *	32 *	29 *	27 *
17.0	45 *	44 *	44 *	43 *	42 *	40 *	38 *	36 *	33 *	29 *
15.0	51 *	51 *	49 *	49 *	47 *	45 *	42 *	40 *	36 *	32 *
13.0	59 *	58 *	57 *	55 *	53 *	51 *	47 *	44 *	39 *	34 *
11.0	67 *	66 *	65 *	63 *	60 *	57 *	53 *	49 *	43 *	36 *
9.0	76 *	74 *	72 *	70 *	67 *	64 *	59 *	54 *	47 *	39 *
7.0	84 *	82 *	81 *	78 *	75 *	70 *	65 *	58 *	50 *	41 *
5.0	91 *	90 *	87 *	84 *	81 *	76 *	69 *	62 *	53 *	43 *
3.0	96 *	94 *	92 *	89 *	86 *	81 *	73 *	64 *	55 *	44 *
1.0	99 *	97 *	95 *	92 *	88 *	83 *	75 *	66 *	56 *	45 *
0.0	99 *	97 *	95 *	92 *	89 *	84 *	76 *	67 *	56 *	45 *
-1.0	99 *	97 *	95 *	92 *	88 *	83 *	75 *	66 *	56 *	45 *
-3.0	96 *	94 *	92 *	89 *	86 *	81 *	73 *	64 *	55 *	44 *
-5.0	91 *	90 *	87 *	84 *	81 *	76 *	69 *	62 *	53 *	43 *
-7.0	84 *	82 *	81 *	78 *	75 *	70 *	65 *	58 *	50 *	41 *
-9.0	76 *	74 *	72 *	70 *	67 *	64 *	59 *	54 *	47 *	39 *
-11.0	67 *	66 *	65 *	63 *	60 *	57 *	53 *	49 *	43 *	36 *
-13.0	59 *	58 *	57 *	55 *	53 *	51 *	47 *	44 *	39 *	34 *
-15.0	51 *	51 *	49 *	49 *	47 *	45 *	42 *	40 *	36 *	32 *
-17.0	45 *	44 *	44 *	43 *	42 *	40 *	38 *	36 *	33 *	29 *
-19.5	38 *	38 *	37 *	37 *	36 *	35 *	33 *	32 *	29 *	27 *
-22.5	32 *	32 *	31 *	31 *	30 *	29 *	28 *	27 *	25 *	24 *
-25.5	27 *	27 *	27 *	26 *	26 *	25 *	25 *	23 *	22 *	21 *
-29.0	24 *	24 *	23 *	23 *	22 *	22 *	21 *	20 *	19 *	18 *
-33.0	20 *	20 *	20 *	19 *	20 *	18 *	18 *	17 *	16 *	15 *
-37.5	18 *	18 *	17 *	17 *	16 *	16 *	16 *	15 *	14 *	13 *
-42.5	16 *	16 *	16 *	15 *	15 *	14 *	13 *	12 *	12 *	11 *
-47.5	15 *	15 *	14 *	13 *	13 *	12 *	12 *	11 *	10	9
-55.0	12 *	12 *	12 *	11 *	10	10	10	9	7	7
-65.0	8	8	7	7	7	7	6	5	4	4
-75.0	4	4	3	3	2	2	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

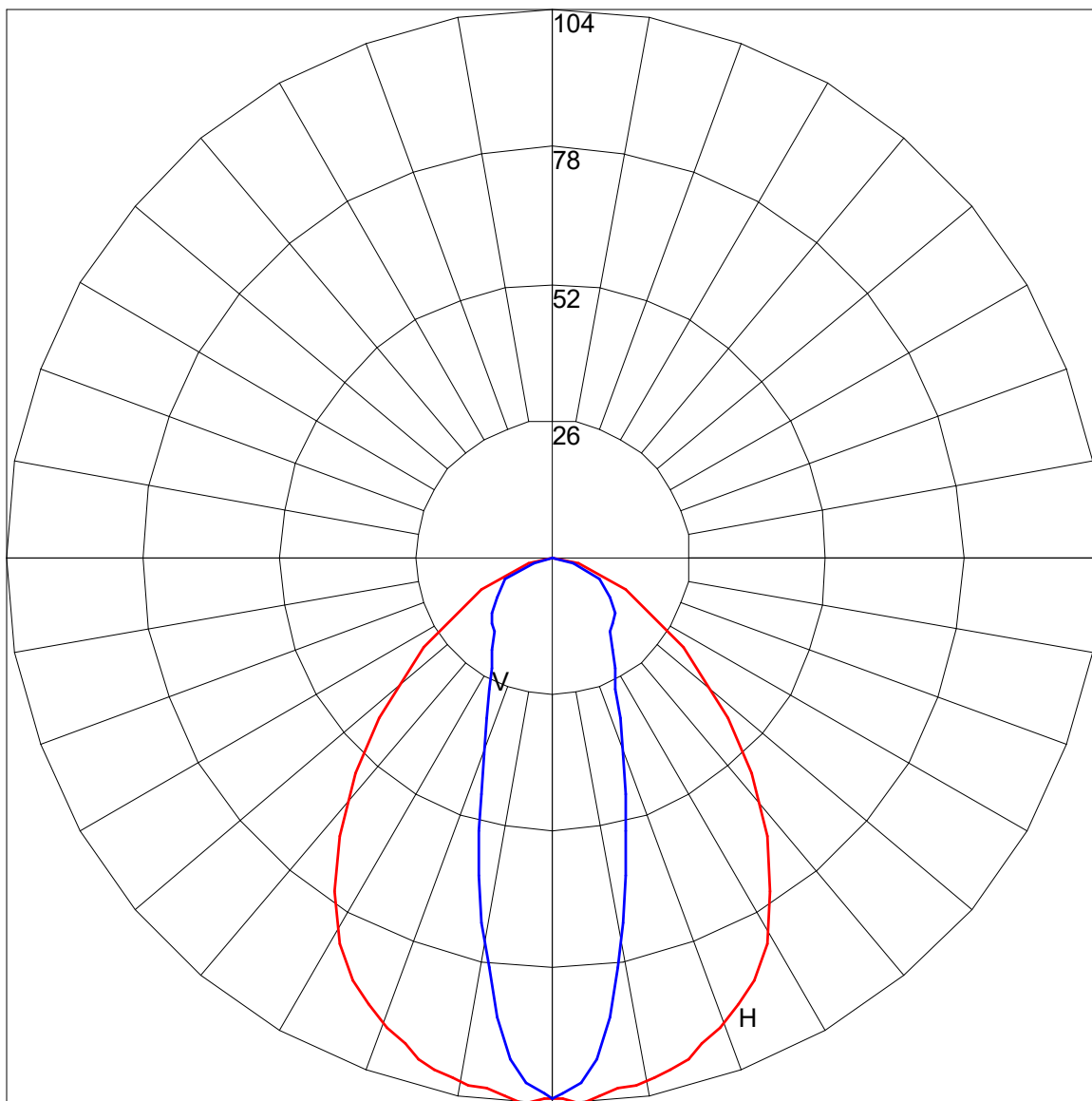
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	0	0	0	0	0
65.0	3	1	1	0	0
55.0	5	3	1	0	0
47.5	8	5	2	0	0
42.5	10	6	2	0	0
37.5	11 *	8	3	0	0
33.0	13 *	9	3	0	0
29.0	16 *	10	3	0	0
25.5	18 *	11 *	3	0	0
22.5	19 *	11 *	4	0	0
19.5	21 *	12 *	4	0	0
17.0	22 *	13 *	4	0	0
15.0	24 *	13 *	4	0	0
13.0	25 *	14 *	4	0	0
11.0	26 *	14 *	4	0	0
9.0	27 *	15 *	4	0	0

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CANDELA TABULATION - (Cont.)

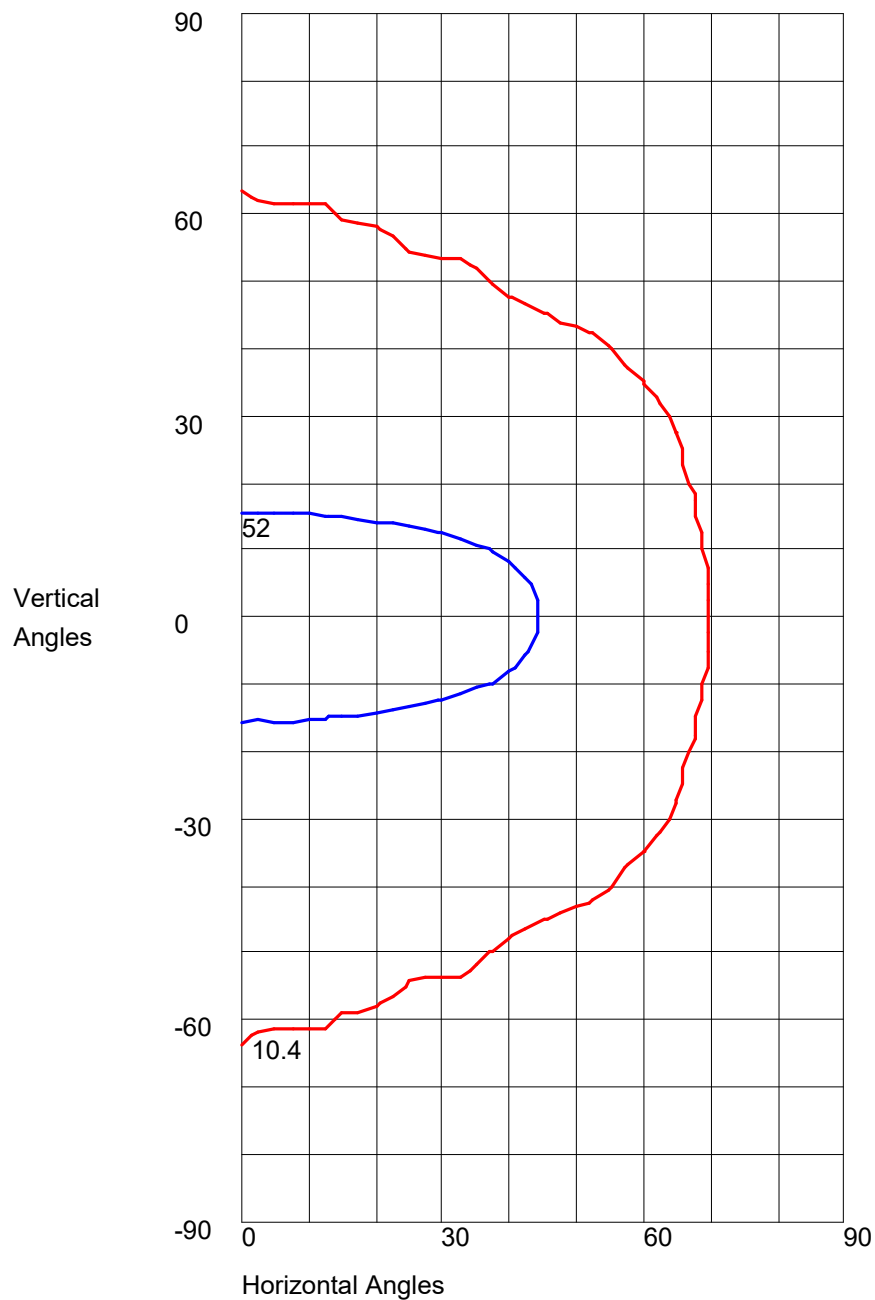
7.0	29 *	15 *	5	0	0
5.0	29 *	15 *	5	0	0
3.0	30 *	15 *	5	0	0
1.0	30 *	15 *	5	0	0
0.0	30 *	15 *	5	0	0
-1.0	30 *	15 *	5	0	0
-3.0	30 *	15 *	5	0	0
-5.0	29 *	15 *	5	0	0
-7.0	29 *	15 *	5	0	0
-9.0	27 *	15 *	4	0	0
-11.0	26 *	14 *	4	0	0
-13.0	25 *	14 *	4	0	0
-15.0	24 *	13 *	4	0	0
-17.0	22 *	13 *	4	0	0
-19.5	21 *	12 *	4	0	0
-22.5	19 *	11 *	4	0	0
-25.5	18 *	11 *	3	0	0
-29.0	16 *	10	3	0	0
-33.0	13 *	9	3	0	0
-37.5	11 *	8	3	0	0
-42.5	10	6	2	0	0
-47.5	8	5	2	0	0
-55.0	5	3	1	0	0
-65.0	3	1	1	0	0
-75.0	0	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 104 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 104 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 52
10% Maximum Candela = 10.4