



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510723.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510723
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/5/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1051-AS-RGBW-(B)
[LUMINAIRE] 1051 Asymmetric 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 80239581-47
[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	81
Maximum Candela Angle	-15H 29V
Horizontal Beam Angle (50%)	93.2
Vertical Beam Angle (50%)	67.8
Horizontal Field Angle (10%)	137.4
Vertical Field Angle (10%)	103.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	93
Beam Efficiency	N.A.
Field Lumens	128
Field Efficiency	N.A.
Spill Lumens	8
Luminaire Lumens	136
Total Efficiency	N.A.
Total Luminaire Watts	11.22
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	1
75	4	75	6
65	10	65	18
55	19	55	44
47.5	27	47.5	68
42.5	32	42.5	76
37.5	37	37.5	78
33	41	33	79
29	44	29	79
25.5	46	25.5	78
22.5	48	22.5	77
19.5	50	19.5	77
17	51	17	75
15	53	15	73
13	54	13	72
11	55	11	70
9	55	9	68
7	56	7	66
5	57	5	64
3	58	3	62
1	58	1	59
0	58	0	58
-1	58	-1	57
-3	59	-3	55
-5	59	-5	53
-7	59	-7	51
-9	60	-9	47
-11	60	-11	43
-13	60	-13	38
-15	59	-15	32
-17	59	-17	26
-19.5	59	-19.5	20
-22.5	59	-22.5	15
-25.5	58	-25.5	11
-29	56	-29	8
-33	55	-33	7
-37.5	52	-37.5	5
-42.5	48	-42.5	4
-47.5	43	-47.5	3
-55	32	-55	2
-65	16	-65	2
-75	6	-75	1
-85	1	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 81

Beam Edge = 40.5 Cd (50% of Max.)

Field Edge = 8.1 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	2	3	4	4	5	5
65.0	0	0	1	3	7	10 *	12 *	13 *	14 *	16 *
55.0	0	0	2	6	14 *	19 *	24 *	28 *	32 *	34 *
47.5	0	0	3	9 *	19 *	29 *	36 *	43 *	50 *	54 *
42.5	0	0	3	11 *	24 *	36 *	45 *	54 *	61 *	66 *
37.5	0	1	4	13 *	29 *	44 *	53 *	62 *	68 *	72 *
33.0	0	1	4	14 *	32 *	48 *	59 *	66 *	72 *	75 *
29.0	0	1	5	15 *	35 *	52 *	61 *	68 *	72 *	75 *
25.5	0	1	5	16 *	37 *	54 *	62 *	68 *	72 *	75 *
22.5	0	1	5	17 *	38 *	54 *	62 *	68 *	72 *	74 *
19.5	0	1	5	17 *	38 *	54 *	61 *	67 *	71 *	73 *
17.0	0	1	5	17 *	38 *	53 *	60 *	66 *	70 *	72 *
15.0	0	1	6	18 *	38 *	53 *	60 *	65 *	69 *	71 *
13.0	0	1	6	18 *	38 *	52 *	59 *	64 *	67 *	69 *
11.0	0	1	6	17 *	38 *	51 *	58 *	62 *	65 *	68 *
9.0	0	1	6	17 *	37 *	50 *	56 *	61 *	64 *	66 *
7.0	0	1	6	17 *	36 *	49 *	55 *	59 *	62 *	64 *
5.0	0	1	6	17 *	35 *	47 *	53 *	57 *	60 *	62 *
3.0	0	1	6	17 *	34 *	46 *	51 *	55 *	58 *	60 *
1.0	0	1	6	16 *	33 *	44 *	49 *	53 *	56 *	57 *
0.0	0	1	6	16 *	32 *	43 *	48 *	52 *	55 *	56 *
-1.0	0	1	6	16 *	31 *	42 *	47 *	51 *	54 *	55 *
-3.0	0	1	6	15 *	30 *	40 *	45 *	49 *	52 *	53 *
-5.0	0	1	6	15 *	28 *	38 *	42 *	46 *	49 *	51 *
-7.0	0	1	6	14 *	27 *	35 *	40 *	43 *	46 *	48 *
-9.0	0	1	5	13 *	25 *	33 *	37 *	40 *	43 *	44 *
-11.0	0	1	5	13 *	24 *	30 *	34 *	37 *	39 *	40 *
-13.0	0	1	5	12 *	22 *	27 *	31 *	33 *	35 *	36 *
-15.0	0	1	5	12 *	20 *	25 *	28 *	29 *	31 *	31 *
-17.0	0	1	5	11 *	19 *	22 *	25 *	25 *	27 *	27 *
-19.5	0	1	4	10 *	17 *	20 *	21 *	21 *	22 *	22 *
-22.5	0	1	4	9 *	15 *	16 *	17 *	17 *	17 *	16 *
-25.5	0	0	4	8	13 *	14 *	14 *	13 *	13 *	13 *
-29.0	0	0	3	7	11 *	11 *	11 *	10 *	10 *	10 *
-33.0	0	0	3	6	9 *	9 *	8	8	8	7
-37.5	0	0	3	6	7	7	7	7	6	6
-42.5	0	0	2	5	6	6	5	5	4	4
-47.5	0	0	2	4	5	4	4	4	4	3
-55.0	0	0	1	3	3	3	3	3	3	3
-65.0	0	0	1	1	2	2	2	2	2	2
-75.0	0	0	0	1	1	1	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

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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	1	1	1	1	1	1	1	1	0	0
75.0	6	6	6	6	6	7	7	7	6	6
65.0	17 *	17 *	18 *	18 *	19 *	19 *	19 *	18 *	19 *	19 *
55.0	37 *	39 *	40 *	42 *	43 *	43 *	43 *	44 *	44 *	44 *
47.5	58 *	61 *	63 *	65 *	66 *	67 *	68 *	68 *	68 *	68 *
42.5	69 *	72 *	74 *	76 *	76 *	76 *	77 *	77 *	77 *	77 *
37.5	75 *	77 *	78 *	79 *	80 *	80 *	80 *	80 *	80 *	80 *
33.0	77 *	78 *	80 *	80 *	80 *	81 *	81 *	81 *	81 *	80 *
29.0	77 *	78 *	80 *	80 *	81 *	81 *	81 *	81 *	81 *	80 *
25.5	77 *	78 *	79 *	80 *	80 *	80 *	80 *	80 *	80 *	80 *
22.5	76 *	78 *	78 *	79 *	80 *	80 *	80 *	79 *	79 *	79 *
19.5	75 *	77 *	78 *	78 *	78 *	78 *	78 *	78 *	78 *	78 *
17.0	74 *	75 *	76 *	76 *	76 *	77 *	77 *	77 *	76 *	76 *
15.0	72 *	74 *	74 *	75 *	75 *	75 *	75 *	76 *	75 *	75 *
13.0	71 *	72 *	73 *	74 *	74 *	73 *	73 *	74 *	74 *	73 *
11.0	69 *	71 *	71 *	72 *	72 *	72 *	72 *	72 *	72 *	71 *
9.0	67 *	68 *	69 *	70 *	70 *	69 *	70 *	70 *	70 *	69 *
7.0	66 *	67 *	67 *	67 *	67 *	67 *	68 *	68 *	68 *	67 *
5.0	63 *	64 *	65 *	65 *	66 *	65 *	65 *	66 *	65 *	65 *
3.0	61 *	62 *	62 *	63 *	63 *	63 *	63 *	63 *	63 *	63 *
1.0	59 *	60 *	60 *	60 *	60 *	61 *	60 *	60 *	60 *	60 *
0.0	58 *	59 *	59 *	59 *	59 *	60 *	60 *	60 *	59 *	59 *
-1.0	57 *	58 *	58 *	58 *	58 *	59 *	59 *	59 *	58 *	58 *
-3.0	54 *	56 *	56 *	56 *	56 *	57 *	56 *	56 *	56 *	55 *
-5.0	52 *	53 *	53 *	54 *	54 *	54 *	54 *	54 *	53 *	53 *
-7.0	49 *	50 *	50 *	51 *	51 *	51 *	51 *	51 *	50 *	50 *
-9.0	45 *	46 *	47 *	47 *	47 *	47 *	47 *	47 *	46 *	46 *
-11.0	41 *	41 *	43 *	42 *	42 *	42 *	42 *	42 *	42 *	42 *
-13.0	37 *	37 *	37 *	37 *	37 *	38 *	38 *	37 *	37 *	37 *
-15.0	32 *	32 *	32 *	32 *	32 *	32 *	32 *	32 *	32 *	31 *
-17.0	27 *	27 *	26 *	27 *	27 *	26 *	26 *	26 *	26 *	26 *
-19.5	21 *	22 *	21 *	21 *	20 *	20 *	21 *	20 *	20 *	20 *
-22.5	16 *	16 *	15 *	15 *	15 *	15 *	15 *	15 *	14 *	14 *
-25.5	12 *	12 *	12 *	12 *	11 *	11 *	11 *	11 *	11 *	11 *
-29.0	10 *	9 *	9 *	9 *	9 *	8	8	8	8	8
-33.0	7	7	7	7	7	7	6	6	7	7
-37.5	6	6	5	5	5	5	5	5	5	5
-42.5	4	4	4	4	4	4	4	4	4	4
-47.5	3	3	3	3	3	3	3	3	3	3
-55.0	3	2	2	2	2	2	2	2	2	2
-65.0	2	2	2	2	2	2	2	2	2	2
-75.0	1	1	1	1	1	1	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	0	1	1	1	1	1	1	1	1	1
75.0	6	6	6	6	7	7	7	7	7	7
65.0	19 *	18 *	18 *	18 *	19 *	19 *	18 *	18 *	18 *	18 *

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CANDELA TABULATION - (Cont.)

55.0	45 *	44 *	44 *	44 *	45 *	44 *	43 *	42 *	42 *	41 *
47.5	68 *	68 *	68 *	68 *	67 *	66 *	65 *	64 *	62 *	61 *
42.5	77 *	76 *	76 *	75 *	74 *	73 *	72 *	71 *	70 *	68 *
37.5	80 *	79 *	78 *	78 *	77 *	76 *	75 *	74 *	72 *	71 *
33.0	80 *	79 *	79 *	78 *	77 *	76 *	75 *	74 *	73 *	72 *
29.0	80 *	79 *	79 *	78 *	77 *	76 *	75 *	74 *	73 *	72 *
25.5	80 *	79 *	78 *	78 *	77 *	76 *	75 *	74 *	72 *	71 *
22.5	78 *	78 *	77 *	76 *	76 *	75 *	74 *	73 *	72 *	71 *
19.5	77 *	77 *	77 *	76 *	74 *	74 *	73 *	72 *	71 *	69 *
17.0	76 *	75 *	75 *	74 *	73 *	73 *	72 *	71 *	70 *	68 *
15.0	74 *	74 *	73 *	73 *	72 *	71 *	70 *	69 *	68 *	67 *
13.0	73 *	72 *	72 *	72 *	70 *	69 *	68 *	67 *	67 *	66 *
11.0	71 *	70 *	70 *	69 *	68 *	68 *	67 *	66 *	65 *	64 *
9.0	69 *	68 *	68 *	67 *	66 *	66 *	65 *	64 *	63 *	62 *
7.0	67 *	66 *	66 *	65 *	64 *	63 *	63 *	62 *	61 *	60 *
5.0	65 *	64 *	64 *	63 *	62 *	62 *	61 *	60 *	59 *	58 *
3.0	62 *	62 *	62 *	61 *	60 *	59 *	59 *	58 *	57 *	56 *
1.0	60 *	59 *	59 *	59 *	58 *	58 *	57 *	56 *	55 *	55 *
0.0	59 *	58 *	58 *	58 *	58 *	57 *	56 *	55 *	55 *	54 *
-1.0	58 *	57 *	57 *	57 *	56 *	56 *	55 *	54 *	54 *	53 *
-3.0	55 *	54 *	55 *	55 *	55 *	54 *	53 *	53 *	52 *	51 *
-5.0	53 *	52 *	53 *	53 *	52 *	52 *	51 *	50 *	50 *	49 *
-7.0	50 *	50 *	51 *	50 *	49 *	48 *	48 *	47 *	47 *	46 *
-9.0	46 *	46 *	47 *	46 *	46 *	45 *	44 *	44 *	43 *	42 *
-11.0	42 *	41 *	43 *	42 *	42 *	41 *	40 *	40 *	39 *	38 *
-13.0	36 *	37 *	38 *	37 *	37 *	36 *	35 *	35 *	34 *	33 *
-15.0	31 *	31 *	32 *	31 *	31 *	31 *	30 *	30 *	29 *	28 *
-17.0	26 *	26 *	26 *	26 *	26 *	26 *	25 *	24 *	24 *	24 *
-19.5	19 *	20 *	20 *	20 *	20 *	20 *	19 *	18 *	19 *	19 *
-22.5	14 *	14 *	15 *	15 *	15 *	14 *	14 *	14 *	13 *	13 *
-25.5	10 *	11 *	11 *	11 *	11 *	11 *	11 *	10 *	10 *	10 *
-29.0	8	8	8	8	8	8	8	8	8	7
-33.0	7	7	7	7	7	7	7	6	6	6
-37.5	5	5	5	5	5	5	5	5	4	4
-42.5	4	4	4	4	4	4	4	4	4	3
-47.5	3	3	3	3	3	3	3	3	3	3
-55.0	2	2	2	2	2	2	2	2	2	2
-65.0	2	2	2	2	2	2	2	2	2	2
-75.0	1	1	1	1	1	1	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. 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	6	6	6	5	5	4	4	4	3	3
65.0	17 *	17 *	16 *	16 *	15 *	14 *	12 *	11 *	9 *	7
55.0	39 *	38 *	37 *	34 *	32 *	29 *	26 *	22 *	18 *	14 *
47.5	59 *	58 *	56 *	52 *	49 *	44 *	39 *	34 *	27 *	20 *
42.5	67 *	65 *	63 *	60 *	57 *	52 *	47 *	40 *	32 *	25 *
37.5	70 *	68 *	66 *	63 *	60 *	57 *	52 *	45 *	37 *	30 *
33.0	70 *	69 *	67 *	64 *	62 *	58 *	54 *	47 *	40 *	32 *
29.0	70 *	69 *	67 *	65 *	62 *	58 *	53 *	48 *	42 *	34 *
25.5	70 *	69 *	67 *	64 *	61 *	58 *	53 *	48 *	42 *	35 *

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CANDELA TABULATION - (Cont.)

22.5	69 *	68 *	66 *	64 *	61 *	57 *	53 *	48 *	42 *	35 *
19.5	68 *	67 *	65 *	62 *	59 *	56 *	52 *	47 *	41 *	35 *
17.0	67 *	65 *	64 *	62 *	58 *	55 *	51 *	46 *	40 *	34 *
15.0	66 *	64 *	62 *	60 *	57 *	54 *	50 *	45 *	40 *	34 *
13.0	64 *	63 *	61 *	59 *	56 *	53 *	49 *	45 *	39 *	33 *
11.0	63 *	61 *	59 *	58 *	55 *	52 *	49 *	44 *	39 *	33 *
9.0	60 *	59 *	58 *	56 *	53 *	50 *	47 *	43 *	38 *	32 *
7.0	59 *	58 *	56 *	54 *	52 *	49 *	46 *	42 *	37 *	31 *
5.0	57 *	56 *	54 *	53 *	50 *	48 *	44 *	41 *	35 *	30 *
3.0	55 *	54 *	53 *	51 *	48 *	46 *	43 *	39 *	34 *	29 *
1.0	54 *	53 *	51 *	49 *	47 *	45 *	41 *	38 *	33 *	28 *
0.0	53 *	51 *	50 *	48 *	46 *	44 *	41 *	37 *	32 *	27 *
-1.0	52 *	51 *	49 *	47 *	45 *	43 *	40 *	36 *	31 *	26 *
-3.0	50 *	48 *	47 *	45 *	43 *	41 *	38 *	35 *	30 *	25 *
-5.0	48 *	46 *	45 *	43 *	42 *	39 *	36 *	32 *	28 *	24 *
-7.0	44 *	44 *	43 *	40 *	39 *	36 *	33 *	30 *	26 *	22 *
-9.0	41 *	40 *	39 *	37 *	35 *	33 *	30 *	27 *	24 *	21 *
-11.0	37 *	37 *	35 *	33 *	31 *	30 *	27 *	24 *	22 *	19 *
-13.0	32 *	32 *	31 *	30 *	28 *	26 *	24 *	22 *	19 *	17 *
-15.0	27 *	27 *	26 *	25 *	24 *	22 *	22 *	19 *	17 *	15 *
-17.0	23 *	22 *	21 *	21 *	20 *	19 *	19 *	17 *	15 *	13 *
-19.5	18 *	18 *	17 *	16 *	16 *	16 *	15 *	14 *	13 *	12 *
-22.5	13 *	13 *	13 *	13 *	12 *	12 *	11 *	11 *	11 *	10 *
-25.5	10 *	10 *	10 *	10 *	10 *	10 *	9 *	9 *	9 *	8 *
-29.0	8	8	7	8	7	7	8	7	7	7
-33.0	6	6	6	6	6	6	6	6	6	6
-37.5	4	4	4	4	4	4	4	5	5	4
-42.5	3	3	3	3	3	3	3	4	4	4
-47.5	3	3	3	3	3	3	3	3	3	3
-55.0	2	2	2	2	2	2	2	3	3	3
-65.0	2	2	2	2	2	2	2	2	2	2
-75.0	1	1	1	1	1	1	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

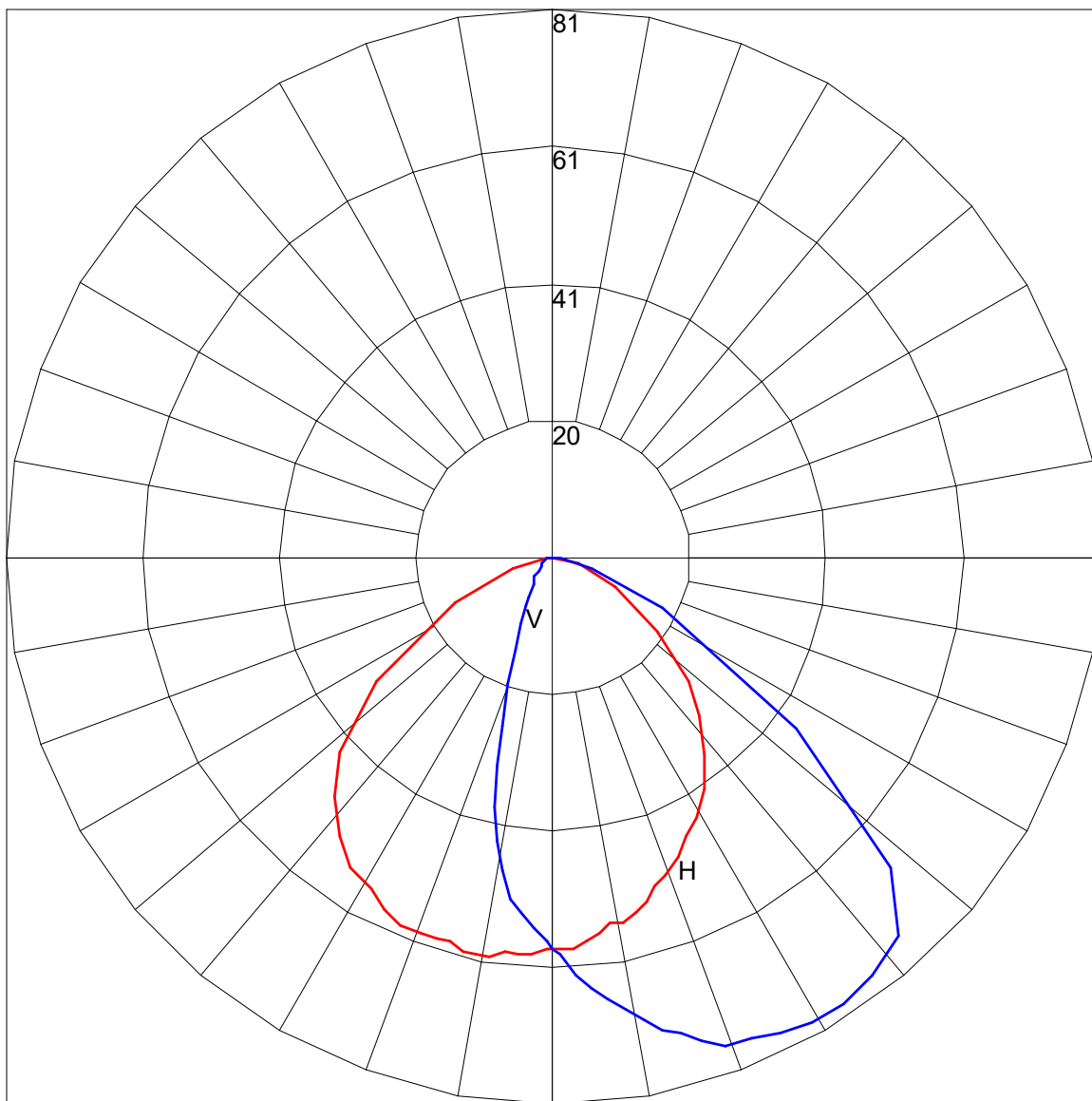
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	1	1	0	0	0
65.0	5	2	1	0	0
55.0	9 *	4	1	0	0
47.5	13 *	6	2	0	0
42.5	16 *	8	2	0	0
37.5	19 *	8	3	0	0
33.0	20 *	9 *	3	0	0
29.0	22 *	10 *	3	0	0
25.5	23 *	10 *	3	0	0
22.5	23 *	11 *	4	0	0
19.5	24 *	11 *	4	0	0
17.0	24 *	11 *	4	0	0
15.0	24 *	11 *	4	0	0
13.0	23 *	11 *	4	0	0
11.0	23 *	11 *	4	0	0
9.0	22 *	11 *	4	0	0

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CANDELA TABULATION - (Cont.)

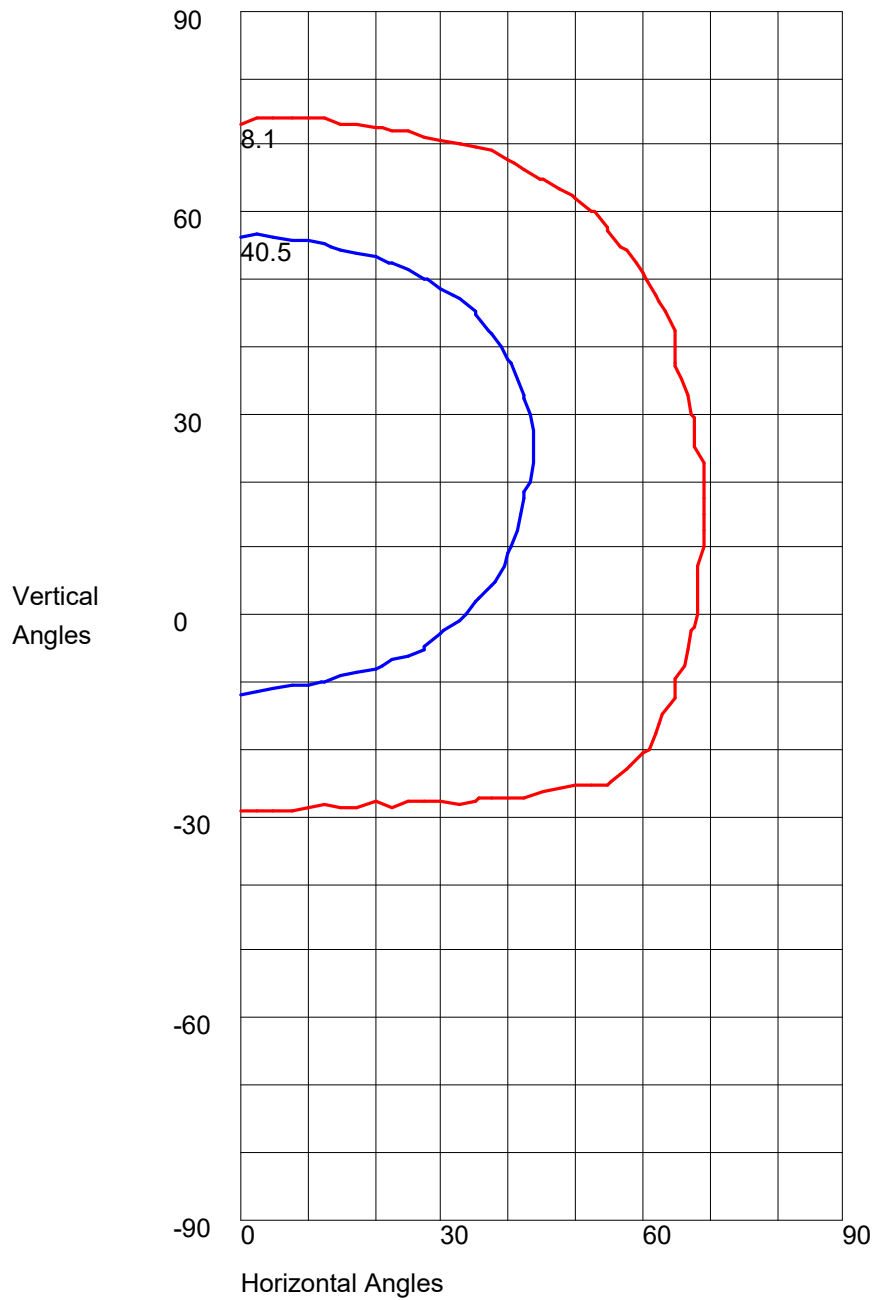
7.0	22 *	10 *	4	0	0
5.0	21 *	10 *	4	0	0
3.0	20 *	10 *	4	0	0
1.0	19 *	10 *	4	0	0
0.0	19 *	10 *	4	0	0
-1.0	19 *	10 *	4	0	0
-3.0	18 *	9 *	4	0	0
-5.0	17 *	9 *	4	0	0
-7.0	16 *	9 *	4	0	0
-9.0	15 *	8	3	0	0
-11.0	14 *	8	3	0	0
-13.0	13 *	8	3	0	0
-15.0	12 *	7	3	0	0
-17.0	11 *	7	3	0	0
-19.5	10 *	7	3	0	0
-22.5	9 *	6	3	0	0
-25.5	8	6	2	0	0
-29.0	7	5	2	0	0
-33.0	6	4	2	0	0
-37.5	5	4	2	0	0
-42.5	4	3	1	0	0
-47.5	3	3	1	0	0
-55.0	3	2	1	0	0
-65.0	2	1	1	0	0
-75.0	1	1	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 81 Located At Horizontal Angle = -15, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 81 Located At Horizontal Angle = -15, Vertical Angle = 29
50% Maximum Candela = 40.5
10% Maximum Candela = 8.1