

**itl boulder**  
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

**NVLAP**  
NVLAP LAB CODE: 200925-0

INDEPENDENT TESTING LABORATORIES, INC.  
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: [itl@itlboulder.com](mailto:itl@itlboulder.com) • WEBSITE: [www.itlboulder.com](http://www.itlboulder.com)

REPORT NUMBER: ITL86241

PAGE: 1 OF 7

ISSUE DATE: 12/30/15

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: MM-LED-e72-MFL-12-C, RM-MM-LED-e72-MFL-12-C, SN-MM-LED-e72-MFL-12-C,  
ST-MM-LED-e72-MFL-12-C, SF-MM-LED-e72-MFL-12-C, TF-MM-LED-e72-MFL-12-C,  
YM-LED-e72-MFL-12-C, OM-LED-e72-MFL-12-C, SM-MM-LED-e72-MFL-12,  
PM-MM-LED-e72-MFL-12-C, WM-MM-LED-e72-MFL-12-C, UL-MM-LED-e72-MFL-12,  
DM-LED-e72-MFL-12

LUMINAIRE: MACHINED CYLINDRICAL METAL HOUSING, 1 BLACK CIRCUIT BOARD WITH ONE LED,  
CLEAR PLASTIC OPTIC IN MOLDED WHITE PLASTIC FRAME, CLEAR MICRO-PRISMATIC FLAT  
GLASS LENS IN MACHINED BLACK PAINTED CYLINDRICAL METAL FRAME WITH UNFINISHED  
INTERIOR. LENS PRISMS OUT. LUMINAIRE AIMED AT THE HORIZON FOR THIS TEST.

LAMP: ONE WHITE LIGHT EMITTING DIODE (LED), AIMED AT THE HORIZON.

INPUT ELECTRICAL: 12.0 VOLTS, 2.56 WATTS, 0.333 AMPS

LED DRIVER: B-K LIGHTING 518801/400187-F

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (12VAC,  
60Hz) TO THE DRIVER.

TEST PROCEDURE: IESNA LM-79-08

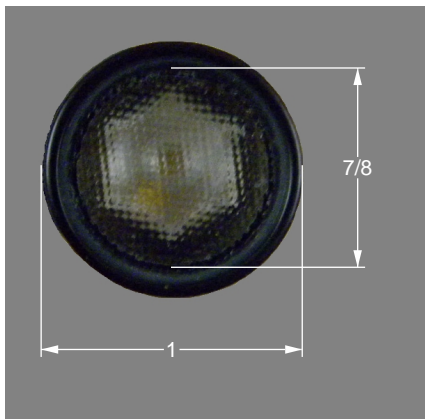
TEST DISTANCE = 20.0 FEET

#### FLOODLIGHT CHARACTERISTICS

#### AXIAL CANDLEPOWER

IES TYPE 4H X 4V  
MAXIMUM CANDLEPOWER 616. AT 0.0 H, 0.0 V  
HORIZONTAL BEAM ANGLE (50%) 27.4 deg  
VERTICAL BEAM ANGLE (50%) 26.9 deg  
HORIZONTAL FIELD ANGLE (10%) 52.3 deg  
VERTICAL FIELD ANGLE (10%) 52.2 deg  
BEAM LUMENS (% FIXTURE) 79. ( 45.2 % )  
FIELD LUMENS (% FIXTURE) 145. ( 82.7 % )  
TOTAL LUMENS (% FIXTURE) 175. (100.0 % )  
EFFICACY = 68.4 lm/W

DEG	HORIZ.	DEG	VERT.
90.0	0.	90.0	0.
85.0	0.	85.0	0.
75.0	0.	75.0	0.
65.0	1.	65.0	1.
55.0	3.	55.0	2.
47.5	5.	47.5	5.
42.5	7.	42.5	7.
37.5	14.	37.5	13.
33.0	25.	33.0	25.
29.0	42.	29.0	44.
25.5	66.	25.5	74.
22.5	98.	22.5	116.
19.5	147.	19.5	180.
17.0	204.	17.0	252.
15.0	262.	15.0	317.
13.0	329.	13.0	384.
11.0	400.	11.0	445.
9.0	467.	9.0	500.
7.0	528.	7.0	533.
5.0	572.	5.0	560.
3.0	599.	3.0	590.
1.0	614.	1.0	612.
0.0	616.	0.0	616.
-1.0	614.	-1.0	613.
-3.0	599.	-3.0	587.
-5.0	572.	-5.0	535.
-7.0	528.	-7.0	467.
-9.0	467.	-9.0	396.
-11.0	400.	-11.0	325.
-13.0	329.	-13.0	260.
-15.0	262.	-15.0	201.
-17.0	204.	-17.0	156.
-19.5	147.	-19.5	115.
-22.5	98.	-22.5	81.
-25.5	66.	-25.5	59.
-29.0	42.	-29.0	39.
-33.0	25.	-33.0	25.
-37.5	14.	-37.5	13.
-42.5	7.	-42.5	7.
-47.5	5.	-47.5	4.
-55.0	3.	-55.0	2.
-65.0	1.	-65.0	1.
-75.0	0.	-75.0	0.
-85.0	0.	-85.0	0.
-90.0	0.	-90.0	0.



Checked ..... *B HYRE*.....  
Approved ..... *R BEATTIE*.....  
Lighting Engineer

ALL CANDELA AND LUMEN VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



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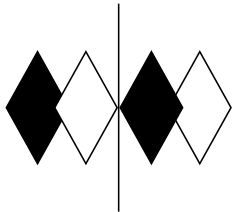
## CANDELA TABULATION

### AVERAGE OF RIGHT AND LEFT SIDES

	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5	55.0	65.0	75.0	85.0	90.0
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
75.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
65.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
55.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	0.	0.	0.	0.
47.5	5.	4.	5.	5.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	2.	2.	2.	1.	1.	0.	0.	0.	0.
42.5	7.	7.	7.	7.	7.	7.	7.	6.	6.	6.	5.	5.	4.	4.	3.	3.	2.	2.	1.	0.	0.	0.	0.
37.5	13.	13.	13.	13.	13.	12.	11.	11.	10.	9.	8.	7.	6.	5.	4.	3.	3.	2.	1.	1.	0.	0.	0.
33.0	25.	25.	25.	24.	23.	22.	20.	19.	17.	16.	13.	11.	9.	7.	6.	4.	3.	2.	1.	1.	0.	0.	0.
29.0	44.	44.	43.	42.	40.	37.	34.	31.	28.	25.	21.	17.	13.	9.	7.	5.	4.	3.	2.	1.	0.	0.	0.
25.5	74.	74.	72.	69.	65.	60.	54.	49.	43.	38.	32.	25.	19.	13.	9.	6.	4.	3.	2.	1.	0.	0.	0.
22.5	116.	117.	114.	108.	100.	92.	82.	71.	61.	53.	43.	33.	25.	18.	11.	7.	5.	3.	2.	1.	0.	0.	0.
19.5	180.	181.	177.	165.	153.	137.	119.	101.	85.	71.	57.	43.	31.	21.	14.	8.	5.	4.	2.	1.	0.	0.	0.
17.0	252.	255.	243.	228.	208.	186.	161.	134.	112.	92.	71.	52.	37.	25.	16.	9.	6.	4.	2.	1.	0.	0.	0.
15.0	317.	319.	304.	286.	261.	233.	201.	167.	137.	110.	85.	59.	42.	28.	17.	10.	6.	4.	2.	1.	0.	0.	0.
13.0	384.	383.	371.	345.	317.	284.	245.	204.	164.	131.	97.	68.	47.	31.	18.	11.	6.	4.	2.	1.	0.	0.	0.
11.0	445.	444.	430.	408.	373.	333.	287.	239.	191.	150.	111.	77.	52.	34.	20.	11.	7.	4.	2.	1.	0.	0.	0.
9.0	500.	499.	487.	462.	426.	378.	325.	271.	217.	172.	124.	85.	58.	37.	22.	12.	7.	4.	2.	1.	0.	0.	0.
7.0	533.	534.	526.	506.	467.	416.	357.	296.	238.	188.	135.	91.	62.	40.	23.	13.	7.	4.	2.	1.	0.	0.	0.
5.0	560.	562.	559.	537.	500.	447.	385.	318.	254.	199.	142.	94.	64.	41.	24.	13.	7.	4.	3.	1.	0.	0.	0.
3.0	590.	592.	584.	562.	523.	468.	399.	328.	263.	205.	146.	96.	65.	42.	25.	13.	7.	4.	3.	1.	0.	0.	0.
1.0	612.	611.	598.	572.	532.	472.	403.	331.	264.	205.	147.	97.	65.	42.	25.	14.	7.	4.	3.	1.	0.	0.	0.
0.0	616.	614.	599.	572.	528.	467.	400.	329.	262.	204.	147.	98.	66.	42.	25.	14.	7.	5.	3.	1.	0.	0.	0.
-1.0	613.	611.	597.	567.	520.	459.	391.	322.	257.	201.	145.	97.	65.	42.	25.	14.	7.	5.	3.	1.	0.	0.	0.
-3.0	587.	585.	572.	541.	490.	430.	365.	300.	240.	190.	138.	94.	64.	41.	25.	13.	7.	5.	3.	1.	0.	0.	0.
-5.0	535.	533.	519.	496.	447.	390.	330.	272.	219.	174.	128.	89.	62.	40.	24.	13.	7.	4.	3.	1.	0.	0.	0.
-7.0	467.	467.	454.	433.	391.	342.	290.	240.	195.	157.	118.	82.	59.	38.	23.	13.	7.	4.	3.	1.	0.	0.	0.
-9.0	396.	397.	385.	365.	327.	289.	247.	206.	170.	138.	105.	76.	55.	36.	22.	12.	7.	4.	2.	1.	0.	0.	0.
-11.0	325.	325.	315.	299.	268.	237.	207.	173.	143.	118.	92.	69.	50.	34.	21.	11.	7.	4.	2.	1.	0.	0.	0.
-13.0	260.	261.	253.	237.	217.	191.	167.	143.	120.	101.	81.	62.	46.	31.	19.	11.	6.	4.	2.	1.	0.	0.	0.
-15.0	201.	204.	197.	186.	170.	154.	136.	118.	101.	86.	70.	55.	41.	29.	18.	10.	6.	4.	2.	1.	0.	0.	0.
-17.0	156.	159.	155.	147.	135.	123.	111.	98.	85.	74.	61.	48.	37.	26.	16.	9.	6.	4.	2.	1.	0.	0.	0.
-19.5	115.	117.	114.	111.	103.	96.	87.	79.	69.	60.	50.	41.	32.	22.	14.	8.	5.	4.	2.	1.	0.	0.	0.
-22.5	81.	83.	81.	79.	74.	70.	64.	58.	52.	47.	40.	32.	25.	18.	12.	7.	5.	3.	2.	1.	0.	0.	0.
-25.5	59.	60.	58.	57.	54.	51.	47.	43.	40.	36.	30.	24.	19.	14.	9.	6.	4.	3.	2.	1.	0.	0.	0.
-29.0	39.	39.	39.	39.	37.	36.	34.	31.	29.	25.	21.	17.	13.	10.	7.	5.	4.	3.	2.	1.	0.	0.	0.
-33.0	25.	25.	24.	24.	23.	21.	20.	18.	17.	15.	13.	11.	9.	7.	5.	4.	3.	2.	1.	1.	0.	0.	0.
-37.5	13.	13.	13.	13.	12.	12.	11.	10.	10.	9.	8.	7.	6.	5.	4.	3.	3.	2.	1.	0.	0.	0.	0.
-42.5	7.	7.	7.	7.	7.	6.	6.	6.	6.	5.	5.	5.	4.	4.	3.	3.	2.	2.	1.	0.	0.	0.	0.
-47.5	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	2.	2.	2.	1.	1.	0.	0.	0.	0.
-55.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	0.	0.	0.	0.
-65.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
-75.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-85.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

BEAM EDGE = 308. CP = 50% OF MAX  
FIELD EDGE = 62. CP = 10% OF MAX

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PREPARED FOR: B-K LIGHTING, INC.

PAGE: 3 OF 7

# CANDELA TABULATION - FIELD ONLY

## AVERAGE OF RIGHT AND LEFT SIDES

	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5	55.0	65.0	75.0	85.0	90.0
90.0																							
85.0																							
75.0																							
65.0																							
55.0																							
47.5																							
42.5																							
37.5																							
33.0																							
29.0																							
25.5	74.	74.	72.	69.	65.																		
22.5	116.	117.	114.	108.	100.	92.	82.	71.															
19.5	180.	181.	177.	165.	153.	137.	119.	101.	85.	71.													
17.0	252.	255.	243.	228.	208.	186.	161.	134.	112.	92.	71.												
15.0	317.	319.	304.	286.	261.	233.	201.	167.	137.	110.	85.												
13.0	384.	383.	371.	345.	317.	284.	245.	204.	164.	131.	97.	68.											
11.0	445.	444.	430.	408.	373.	333.	287.	239.	191.	150.	111.	77.											
9.0	500.	499.	487.	462.	426.	378.	325.	271.	217.	172.	124.	85.											
7.0	533.	534.	526.	506.	467.	416.	357.	296.	238.	188.	135.	91.	62.										
5.0	560.	562.	559.	537.	500.	447.	385.	318.	254.	199.	142.	94.	64.										
3.0	590.	592.	584.	562.	523.	468.	399.	328.	263.	205.	146.	96.	65.										
1.0	612.	611.	598.	572.	532.	472.	403.	331.	264.	205.	147.	97.	65.										
0.0	616.	614.	599.	572.	528.	467.	400.	329.	262.	204.	147.	98.	66.										
-1.0	613.	611.	597.	567.	520.	459.	391.	322.	257.	201.	145.	97.	65.										
-3.0	587.	585.	572.	541.	490.	430.	365.	300.	240.	190.	138.	94.	64.										
-5.0	535.	533.	519.	496.	447.	390.	330.	272.	219.	174.	128.	89.	62.										
-7.0	467.	467.	454.	433.	391.	342.	290.	240.	195.	157.	118.	82.											
-9.0	396.	397.	385.	365.	327.	289.	247.	206.	170.	138.	105.	76.											
-11.0	325.	325.	315.	299.	268.	237.	207.	173.	143.	118.	92.	69.											
-13.0	260.	261.	253.	237.	217.	191.	167.	143.	120.	101.	81.	62.											
-15.0	201.	204.	197.	186.	170.	154.	136.	118.	101.	86.	70.												
-17.0	156.	159.	155.	147.	135.	123.	111.	98.	85.	74.													
-19.5	115.	117.	114.	111.	103.	96.	87.	79.	69.														
-22.5	81.	83.	81.	79.	74.	70.	64.																
-25.5																							
-29.0																							
-33.0																							
-37.5																							
-42.5																							
-47.5																							
-55.0																							
-65.0																							
-75.0																							
-85.0																							
-90.0																							

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PAGE: 4 OF 7

## LUMEN TABULATION

### AVERAGE OF RIGHT AND LEFT SIDES

	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
35	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
24	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
21	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
18	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
16	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
14	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
12	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
10	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
8	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
6	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
4	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
2	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
0	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
-2	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
-4	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
-6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
-8	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
-10	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
-12	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
-14	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
-16	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
-18	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
-21	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
-24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
-27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
-31	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
-35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
-45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90	11.1	10.8	10.3	9.4	8.4	7.2	6.0	5.0	4.0	4.5	3.2	2.3	2.0	1.2	0.9	0.5	0.3	0.3	0.1	0.0	0.0	0.0	87.7

LUMEN TOTAL THIS PAGE = 87.7



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REPORT NUMBER: ITL86241  
ISSUE DATE: 12/30/15  
PREPARED FOR: B-K LIGHTING, INC.

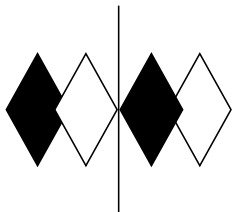
PAGE: 5 OF 7

# LUMEN TABULATION - FIELD ONLY

## AVERAGE OF RIGHT AND LEFT SIDES

	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL
90																							0.0
80																							0.0
70																							0.0
60																							0.0
50																							0.0
45																							0.0
40																							0.0
35																							0.0
31																							0.0
27																							0.0
24	0.1	0.1	0.1	0.1																			0.5
21	0.2	0.2	0.2	0.2	0.2	0.1	0.1																1.2
18	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1												2.1
16	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1												2.1
14	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1												2.6
12	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1												3.2
10	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1												3.8
8	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.1												4.3
6	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1											4.7
4	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1											5.0
2	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0.2	0.1											5.2
0	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0.2	0.1											5.3
-2	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.1											5.2
-4	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1											5.0
-6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1											4.5
-8	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1												3.9
-10	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1												3.3
-12	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1												2.8
-14	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1												2.3
-16	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1												1.7
-18	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1													1.3
-21	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1															1.4
-24	0.2	0.1	0.1	0.1	0.1	0.1																	0.8
-27																							0.0
-31																							0.0
-35																							0.0
-40																							0.0
-45																							0.0
-50																							0.0
-60																							0.0
-70																							0.0
-80																							0.0
-90	10.5	10.2	9.7	8.8	7.7	6.6	5.4	4.2	3.3	3.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.5

LUMEN TOTAL THIS PAGE = 72.5



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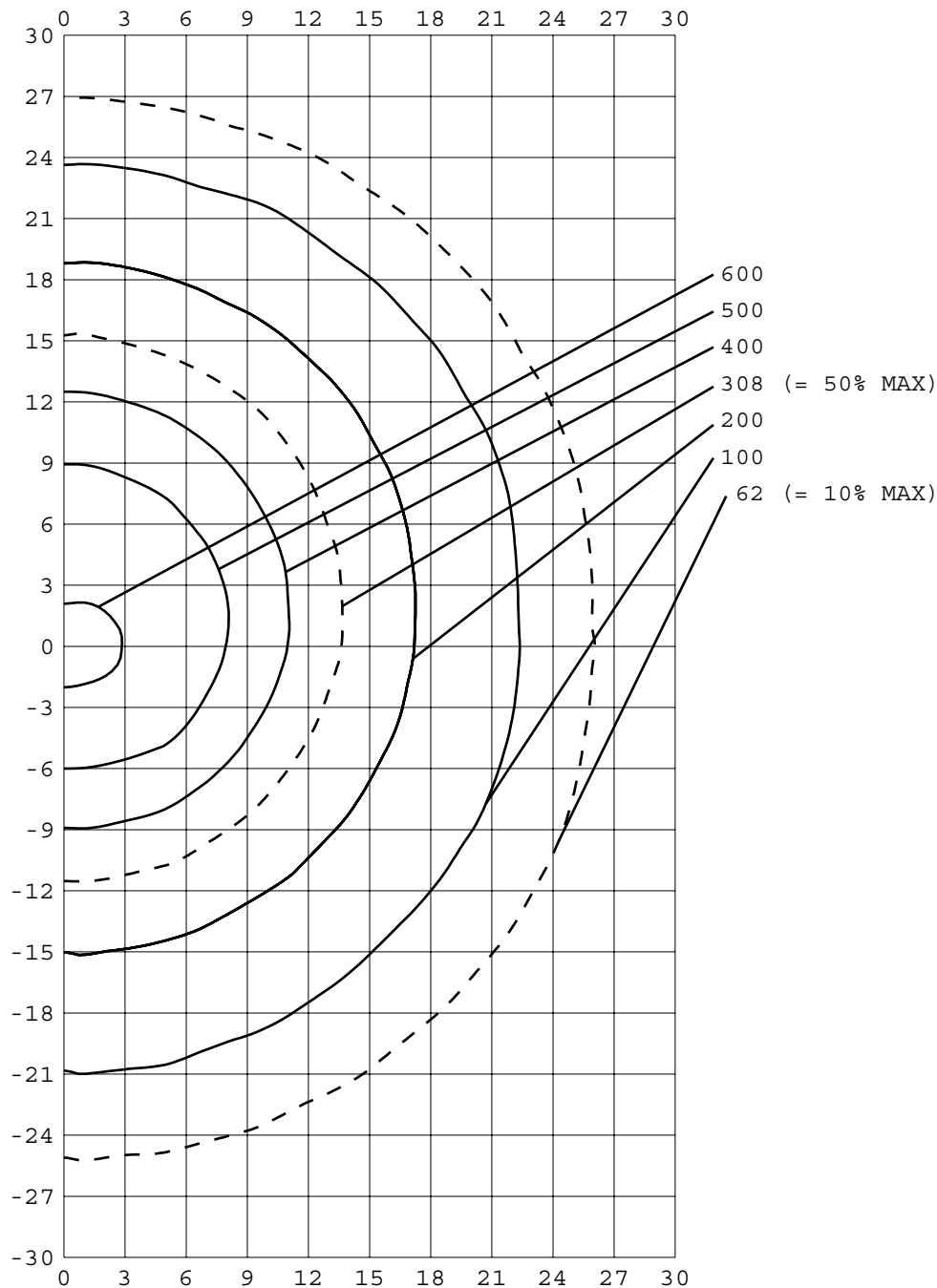
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PAGE: 6 OF 7

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MADERA, CA 93636-9515

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