

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com  
REPORT NUMBER: ITL63766

DATE: 01/04/10  
REVISED: 02/02/10

PAGE 1

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: NS-LED-e23-MFL-13; AR-LED-TR-e23-MFL-13-C; AR-LED-RM-e23-MFL-13-C;  
DS-LED-e23-MFL-13; RM-LED-e23-MFL-13-C; SN-LED-e23-MFL-13-C;  
ST-LED-e23-MFL-13-C; SF-LED-e23-MFL-13-C; TF-LED-e23-MFL-13-C;  
WS-LED-e23-MFL-13; AW-LED-e23-MFL-13; SW-LED-e23-MFL-13; VS-LED-e23-MFL-13;  
VQ-LED-e23-MFL-13; GD-LED-e23-MFL-13; GQ-LED-e23-MFL-13; EC-LED-e23-MFL-13;  
ED-LED-e23-MFL-13; SM-AR-LED-e23-MFL-13-C

LUMINAIRE: MACHINED CYLINDRICAL METAL HOUSING, ONE CIRCUIT BOARD WITH 3 LEDS, ONE CLEAR CONICAL PLASTIC OPTIC PER LED WITH FROSTED SURFACE OPPOSITE LED, MOLDED BLACK PLASTIC OPTIC MOUNTING FRAME, CLEAR FLAT LINEAR PRISMATIC GLASS LENS IN MACHINED WHITE PAINTED CYLINDRICAL METAL FRAME WITH UNFINISHED INTERIOR, LENS PRISMS OUT AND VERTICAL.

LAMPS: THREE 2.5-WATT WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL PLASTIC LENS, LEDS AIMED AT THE HORIZON.

TOTAL INPUT WATTS = 8.5 AT 12.0 VOLTS

LED DRIVER: INTEGRAL

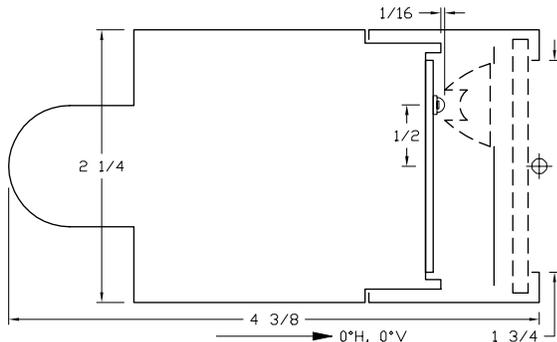
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (12VAC, 60Hz) TO THE LED DRIVER. LAMP INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

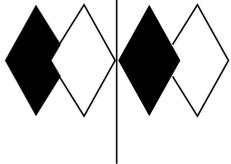
TEST DISTANCE = 25.25 FEET

### FLOODLIGHT CHARACTERISTICS

IES TYPE	5H X 4V						
MAXIMUM CANDLEPOWER	743.	AT	0.0 H,	-1.0 V			
HORIZONTAL BEAM ANGLE (50%)	46.9 deg					AXIAL CANDLEPOWER	
VERTICAL BEAM ANGLE (50%)	23.1 deg				DEG	HORIZ.	DEG
HORIZONTAL FIELD ANGLE (10%)	82.6 deg						VERT.
VERTICAL FIELD ANGLE (10%)	48.6 deg						
BEAM LUMENS (% FIXTURE)	134. ( 44.9 % )				90.0	0.	90.0
FIELD LUMENS (% FIXTURE)	253. ( 84.8 % )				85.0	1.	85.0
TOTAL LUMENS (% FIXTURE)	299. ( 100.0 % )				75.0	4.	75.0
EFFICACY = 35.2 Lm/W					65.0	6.	65.0
					55.0	8.	55.0
					47.5	32.	47.5
					42.5	63.	42.5
					37.5	110.	37.5
					33.0	173.	33.0
					29.0	247.	29.0
					25.5	323.	25.5
					22.5	392.	22.5
					19.5	460.	19.5
					17.0	514.	17.0
					15.0	554.	15.0
					13.0	590.	13.0
					11.0	624.	11.0
					9.0	657.	9.0
					7.0	687.	7.0
					5.0	711.	5.0
					3.0	728.	3.0
					1.0	738.	1.0
					0.0	740.	0.0
					-1.0	738.	-1.0
					-3.0	728.	-3.0
					-5.0	711.	-5.0
					-7.0	687.	-7.0
					-9.0	657.	-9.0
					-11.0	624.	-11.0
					-13.0	590.	-13.0
					-15.0	554.	-15.0
					-17.0	514.	-17.0
					-19.5	460.	-19.5
					-22.5	392.	-22.5
					-25.5	323.	-25.5
					-29.0	247.	-29.0
					-33.0	173.	-33.0
					-37.5	110.	-37.5
					-42.5	63.	-42.5
					-47.5	32.	-47.5
					-55.0	8.	-55.0
					-65.0	6.	-65.0
					-75.0	4.	-75.0
					-85.0	1.	-85.0
					-90.0	0.	-90.0



Checked ..... *N. WHITE* .....  
Approved ..... *R. BEATTIE* .....



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

INDEPENDENT TESTING LABORATORIES, INC.  
 3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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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	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.
65.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	0.	0.
55.0	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	2.	2.	2.	1.	0.	0.
47.5	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.	5.	5.	5.	5.	5.	4.	3.	3.	3.	2.	2.	0.	0.
42.5	9.	9.	9.	9.	9.	9.	9.	8.	8.	8.	8.	7.	7.	7.	6.	6.	4.	3.	3.	3.	2.	0.	0.
37.5	14.	14.	13.	13.	13.	13.	13.	13.	13.	12.	12.	11.	11.	10.	9.	8.	6.	4.	3.	3.	2.	0.	0.
33.0	22.	22.	22.	22.	21.	21.	21.	21.	20.	20.	19.	18.	16.	15.	13.	11.	9.	6.	4.	3.	2.	0.	0.
29.0	36.	37.	37.	36.	35.	34.	34.	33.	32.	31.	29.	27.	25.	22.	19.	16.	12.	7.	4.	4.	3.	0.	0.
25.5	57.	57.	57.	56.	55.	54.	52.	51.	49.	47.	44.	41.	37.	32.	27.	22.	16.	9.	5.	4.	3.	0.	0.
22.5	85.	85.	84.	83.	81.	79.	77.	74.	71.	68.	63.	57.	51.	44.	36.	28.	20.	11.	5.	4.	3.	1.	0.
19.5	126.	126.	125.	122.	120.	116.	112.	108.	103.	97.	90.	81.	72.	61.	49.	37.	25.	14.	6.	5.	3.	1.	0.
17.0	174.	174.	172.	169.	165.	160.	154.	147.	140.	132.	121.	108.	95.	79.	62.	45.	31.	17.	6.	5.	3.	1.	0.
15.0	225.	224.	222.	218.	212.	205.	197.	188.	179.	168.	154.	136.	118.	97.	75.	54.	36.	19.	6.	5.	3.	1.	0.
13.0	287.	286.	283.	278.	270.	261.	250.	238.	226.	211.	193.	169.	145.	118.	90.	63.	40.	22.	7.	5.	3.	0.	0.
11.0	361.	360.	356.	348.	338.	326.	312.	296.	280.	262.	238.	208.	176.	142.	106.	72.	45.	24.	7.	5.	3.	0.	0.
9.0	443.	443.	438.	428.	416.	399.	381.	362.	341.	318.	288.	250.	210.	167.	122.	82.	50.	26.	7.	6.	3.	0.	0.
7.0	531.	530.	523.	511.	496.	476.	453.	429.	405.	376.	339.	293.	244.	192.	138.	91.	54.	28.	8.	6.	3.	1.	0.
5.0	614.	613.	605.	592.	572.	548.	522.	494.	465.	432.	388.	333.	276.	214.	152.	99.	58.	31.	8.	6.	4.	1.	0.
3.0	684.	683.	673.	657.	636.	609.	579.	547.	514.	477.	428.	366.	302.	233.	164.	105.	61.	31.	8.	6.	3.	1.	0.
1.0	729.	728.	718.	700.	677.	647.	615.	581.	546.	507.	454.	387.	319.	244.	171.	109.	63.	32.	8.	6.	4.	1.	0.
0.0	740.	738.	728.	711.	687.	657.	624.	590.	554.	514.	460.	392.	323.	247.	173.	110.	63.	32.	8.	6.	4.	1.	0.
-1.0	743.	741.	731.	713.	689.	659.	626.	592.	556.	515.	462.	394.	324.	248.	173.	110.	63.	32.	8.	6.	4.	1.	0.
-3.0	723.	721.	711.	694.	671.	641.	610.	577.	542.	502.	450.	385.	317.	243.	170.	108.	63.	32.	8.	6.	4.	1.	0.
-5.0	672.	670.	662.	646.	624.	598.	569.	538.	506.	470.	422.	362.	299.	231.	162.	104.	61.	31.	8.	6.	4.	1.	0.
-7.0	599.	598.	590.	576.	558.	535.	509.	483.	454.	423.	380.	328.	273.	212.	151.	98.	57.	29.	8.	6.	4.	1.	0.
-9.0	514.	513.	506.	494.	479.	460.	439.	417.	396.	366.	331.	287.	241.	189.	136.	90.	53.	27.	8.	6.	4.	1.	0.
-11.0	425.	426.	420.	412.	399.	384.	367.	349.	329.	308.	279.	244.	206.	164.	120.	80.	49.	25.	8.	6.	4.	1.	0.
-13.0	344.	344.	339.	333.	323.	312.	298.	284.	269.	252.	230.	202.	172.	139.	103.	71.	44.	23.	7.	6.	3.	1.	0.
-15.0	272.	271.	269.	263.	256.	248.	237.	227.	215.	202.	185.	164.	141.	115.	88.	61.	39.	20.	7.	6.	3.	1.	0.
-17.0	211.	211.	209.	205.	200.	194.	186.	178.	170.	160.	147.	131.	114.	95.	73.	52.	34.	18.	7.	6.	3.	1.	0.
-19.5	152.	152.	150.	148.	145.	140.	135.	130.	124.	117.	109.	98.	86.	73.	57.	42.	28.	15.	6.	5.	3.	1.	0.
-22.5	101.	101.	100.	99.	97.	95.	92.	89.	85.	81.	76.	69.	61.	52.	42.	32.	22.	12.	5.	5.	3.	1.	0.
-25.5	68.	68.	67.	67.	65.	64.	62.	60.	58.	56.	52.	48.	43.	38.	31.	25.	17.	10.	5.	5.	3.	0.	0.
-29.0	43.	43.	43.	43.	42.	41.	40.	39.	38.	36.	34.	32.	29.	25.	22.	18.	13.	8.	4.	4.	3.	0.	0.
-33.0	26.	26.	26.	26.	26.	25.	25.	24.	24.	23.	22.	20.	19.	17.	14.	12.	9.	6.	4.	4.	3.	0.	0.
-37.5	16.	16.	16.	16.	16.	16.	15.	15.	15.	14.	14.	13.	12.	11.	10.	8.	6.	4.	3.	4.	2.	0.	0.
-42.5	10.	10.	10.	10.	10.	10.	10.	10.	10.	9.	9.	8.	7.	7.	6.	4.	3.	3.	3.	3.	2.	0.	0.
-47.5	7.	7.	7.	7.	7.	7.	7.	6.	6.	6.	6.	5.	5.	5.	4.	3.	2.	2.	2.	2.	2.	0.	0.
-55.0	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.	2.	2.	2.	2.	2.	2.	1.	0.	0.
-65.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.	0.	0.
-75.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	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 = 372. CP = 50% OF MAX  
 FIELD EDGE = 74. CP = 10% OF MAX



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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																								
22.5	85.	85.	84.	83.	81.	79.	77.																	
19.5	126.	126.	125.	122.	120.	116.	112.	108.	103.	97.	90.	81.												
17.0	174.	174.	172.	169.	165.	160.	154.	147.	140.	132.	121.	108.	95.	79.										
15.0	225.	224.	222.	218.	212.	205.	197.	188.	179.	168.	154.	136.	118.	97.	75.									
13.0	287.	286.	283.	278.	270.	261.	250.	238.	226.	211.	193.	169.	145.	118.	90.									
11.0	361.	360.	356.	348.	338.	326.	312.	296.	280.	262.	238.	208.	176.	142.	106.									
9.0	443.	443.	438.	428.	416.	399.	381.	362.	341.	318.	288.	250.	210.	167.	122.	82.								
7.0	531.	530.	523.	511.	496.	476.	453.	429.	405.	376.	339.	293.	244.	192.	138.	91.								
5.0	614.	613.	605.	592.	572.	548.	522.	494.	465.	432.	388.	333.	276.	214.	152.	99.								
3.0	684.	683.	673.	657.	636.	609.	579.	547.	514.	477.	428.	366.	302.	233.	164.	105.								
1.0	729.	728.	718.	700.	677.	647.	615.	581.	546.	507.	454.	387.	319.	244.	171.	109.								
0.0	740.	738.	728.	711.	687.	657.	624.	590.	554.	514.	460.	392.	323.	247.	173.	110.								
-1.0	743.	741.	731.	713.	689.	659.	626.	592.	556.	515.	462.	394.	324.	248.	173.	110.								
-3.0	723.	721.	711.	694.	671.	641.	610.	577.	542.	502.	450.	385.	317.	243.	170.	108.								
-5.0	672.	670.	662.	646.	624.	598.	569.	538.	506.	470.	422.	362.	299.	231.	162.	104.								
-7.0	599.	598.	590.	576.	558.	535.	509.	483.	454.	423.	380.	328.	273.	212.	151.	98.								
-9.0	514.	513.	506.	494.	479.	460.	439.	417.	396.	366.	331.	287.	241.	189.	136.	90.								
-11.0	425.	426.	420.	412.	399.	384.	367.	349.	329.	308.	279.	244.	206.	164.	120.	80.								
-13.0	344.	344.	339.	333.	323.	312.	298.	284.	269.	252.	230.	202.	172.	139.	103.									
-15.0	272.	271.	269.	263.	256.	248.	237.	227.	215.	202.	185.	164.	141.	115.	88.									
-17.0	211.	211.	209.	205.	200.	194.	186.	178.	170.	160.	147.	131.	114.	95.										
-19.5	152.	152.	150.	148.	145.	140.	135.	130.	124.	117.	109.	98.	86.											
-22.5	101.	101.	100.	99.	97.	95.	92.	89.	85.	81.	76.													
-25.5																								
-29.0																								
-33.0																								
-37.5																								
-42.5																								
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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	0.2
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	0.3
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	0.5
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	0.4
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	0.5
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
35	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	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	0.9
31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6
24	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	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	2.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.8
16	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.5
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.4
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4
10	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.5
8	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	7.7
6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	8.7
4	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.6
2	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.8	0.7	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.2
0	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.8	0.7	0.5	0.5	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.4
-2	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.8	0.7	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.1
-4	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.7	0.6	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.5
-6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	8.6
-8	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	7.5
-10	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.3
-12	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.2
-14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	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	4.2
-16	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	3.4
-18	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.7
-21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	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	2.6
-24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8
-27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6
-31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
-35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
-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	0.6
-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	0.4
-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	0.5
-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	0.3
-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	0.2
-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	12.1	11.9	11.6	11.2	10.8	10.2	9.7	9.1	8.4	11.3	9.6	8.0	8.3	6.0	4.9	2.9	1.5	1.1	0.7	0.3	0.0	0.0	149.4

LUMEN TOTAL THIS PAGE = 149.4



INDEPENDENT TESTING LABORATORIES, INC.  
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 PREPARED FOR: B-K LIGHTING, INC.

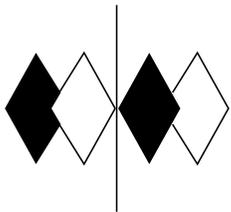
DATE: 01/04/10  
 REVISED: 02/02/10

LUMEN TABULATION - FIELD ONLY

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	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																							0.0
21	0.2	0.2	0.2	0.1	0.1	0.1																	0.9
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.3
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4
14	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.2
12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	4.1
10	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.2	5.0
8	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.3
6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.4
4	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	8.5
2	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	9.4
0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	10.0
-2	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.8	0.7	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	10.1
-4	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.8	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	9.9
-6	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.7	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	9.2
-8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	8.3
-10	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.2
-12	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.1
-14	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.8
-16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.9
-18	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.9
-21	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.0
-24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.7
-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	11.2	11.1	10.8	10.5	10.0	9.5	8.8	8.2	7.6	10.2	8.5	6.8	6.7	4.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.7

LUMEN TOTAL THIS PAGE = 126.7



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PREPARED FOR: B-K LIGHTING, INC.

DATE: 01/04/10  
REVISED: 02/02/10

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