

itl boulder
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

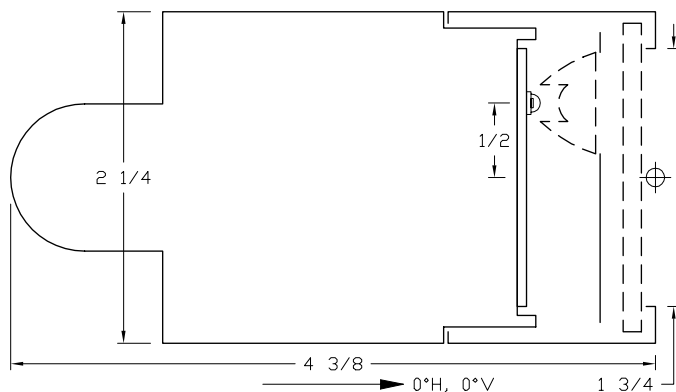
INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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

REPORT NUMBER: ITL64231
PREPARED FOR: B-K LIGHTING, INC.
CATALOG NUMBER: NS-LED-e22-SP-12; AR-LED-TR-e22-SP-12-C; AR-LED-RM-e22-SP-12-C;
DS-LED-e22-SP-12; RM-LED-e22-SP-12-C; SN-LED-e22-SP-12-C; ST-LED-e22-SP-12-C;
SF-LED-e22-SP-12-C; **TF-LED-e22-SP-12-C**; WS-LED-e22-SP-12; AW-LED-e22-SP-12;
SW-LED-e22-SP-12; VS-LED-e22-SP-12; VQ-LED-e22-SP-12; GD-LED-e22-SP-12;
GQ-LED-e22-SP-12; EC-LED-e22-SP-12; ED-LED-e22-SP-12; SM-AR-LED-e22-SP-12-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 MICRO-PRISMATIC GLASS LENS IN
MACHINED WHITE PAINTED CYLINDRICAL METAL FRAME WITH UNFINISHED INTERIOR, LENS
PRISMS IN.
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 = 8.2 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	3H X 3V			
MAXIMUM CANDLEPOWER	1824.	AT	0.0 H,	0.0 V
HORIZONTAL BEAM ANGLE (50%)	19.3	deg		
VERTICAL BEAM ANGLE (50%)	17.7	deg		
HORIZONTAL FIELD ANGLE (10%)	36.5	deg		
VERTICAL FIELD ANGLE (10%)	36.9	deg		
BEAM LUMENS (% FIXTURE)	106.	(42.1 %)		
FIELD LUMENS (% FIXTURE)	209.	(82.8 %)		
TOTAL LUMENS (% FIXTURE)	253.	(100.0 %)		
EFFICACY = 30.9	Lm/W			



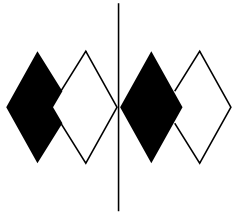
Checked *B HYRE*

Approved *R BEATTIE*

	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	2.	55.0	2.	
47.5	3.	47.5	3.	
42.5	5.	42.5	5.	
37.5	7.	37.5	8.	
33.0	12.	33.0	12.	
29.0	19.	29.0	21.	
25.5	34.	25.5	37.	
22.5	63.	22.5	67.	
19.5	127.	19.5	126.	
17.0	232.	17.0	218.	
15.0	360.	15.0	323.	
13.0	538.	13.0	460.	
11.0	752.	11.0	638.	
9.0	993.	9.0	858.	
7.0	1247.	7.0	1125.	
5.0	1490.	5.0	1407.	
3.0	1690.	3.0	1659.	
1.0	1809.	1.0	1808.	
0.0	1824.	0.0	1824.	
-1.0	1809.	-1.0	1799.	
-3.0	1690.	-3.0	1659.	
-5.0	1490.	-5.0	1426.	
-7.0	1247.	-7.0	1167.	
-9.0	993.	-9.0	918.	
-11.0	752.	-11.0	701.	
-13.0	538.	-13.0	521.	
-15.0	360.	-15.0	378.	
-17.0	232.	-17.0	265.	
-19.5	127.	-19.5	160.	
-22.5	63.	-22.5	88.	
-25.5	34.	-25.5	50.	
-29.0	19.	-29.0	26.	
-33.0	12.	-33.0	15.	
-37.5	7.	-37.5	9.	
-42.5	5.	-42.5	5.	
-47.5	3.	-47.5	4.	
-55.0	2.	-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.	

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

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CANDELA TABULATION

PAGE 2

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.	0.	0.	0.	0.	0.	0.	0.	0.
55.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
47.5	3.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	2.	2.	2.	2.	1.	1.	1.	0.	0.	0.	0.
42.5	5.	5.	5.	5.	5.	5.	5.	5.	4.	4.	4.	4.	3.	3.	3.	2.	2.	1.	1.	0.	0.	0.	0.
37.5	8.	8.	8.	8.	8.	7.	7.	7.	6.	6.	6.	5.	5.	4.	3.	3.	2.	1.	1.	0.	0.	0.	0.
33.0	12.	12.	12.	12.	11.	11.	11.	10.	9.	9.	8.	7.	6.	5.	4.	3.	3.	2.	1.	0.	0.	0.	0.
29.0	21.	21.	20.	20.	18.	17.	16.	15.	13.	12.	11.	9.	8.	6.	5.	4.	3.	2.	1.	0.	0.	0.	0.
25.5	37.	37.	35.	33.	30.	27.	24.	21.	19.	17.	14.	12.	10.	8.	6.	4.	3.	2.	1.	1.	0.	0.	0.
22.5	67.	66.	63.	58.	52.	45.	39.	33.	27.	23.	19.	15.	12.	9.	7.	5.	4.	2.	1.	1.	0.	0.	0.
19.5	126.	125.	120.	109.	95.	80.	65.	52.	41.	33.	25.	18.	14.	11.	8.	6.	4.	3.	2.	1.	0.	0.	0.
17.0	218.	217.	204.	185.	159.	130.	103.	79.	60.	45.	33.	23.	17.	12.	8.	6.	4.	3.	2.	1.	0.	0.	0.
15.0	323.	321.	302.	274.	234.	191.	149.	112.	81.	60.	41.	27.	18.	13.	9.	6.	4.	3.	2.	1.	0.	0.	0.
13.0	460.	457.	433.	391.	336.	273.	210.	155.	110.	78.	51.	31.	21.	14.	10.	6.	4.	3.	2.	1.	0.	0.	0.
11.0	638.	633.	600.	541.	463.	374.	288.	211.	148.	102.	64.	37.	23.	15.	10.	7.	5.	3.	2.	1.	0.	0.	0.
9.0	858.	853.	807.	724.	618.	497.	382.	279.	191.	129.	77.	43.	26.	16.	11.	7.	5.	3.	2.	1.	0.	0.	0.
7.0	1125.	1116.	1048.	935.	792.	636.	487.	352.	238.	158.	91.	49.	28.	17.	11.	7.	5.	3.	2.	1.	0.	0.	0.
5.0	1407.	1396.	1307.	1158.	974.	778.	591.	425.	286.	187.	106.	55.	30.	18.	11.	7.	5.	3.	2.	1.	0.	0.	0.
3.0	1659.	1645.	1535.	1355.	1136.	902.	681.	487.	327.	213.	118.	59.	32.	19.	11.	7.	5.	3.	2.	1.	0.	0.	0.
1.0	1808.	1794.	1671.	1471.	1231.	977.	739.	527.	353.	228.	125.	62.	33.	19.	12.	7.	5.	3.	2.	1.	0.	0.	0.
0.0	1824.	1809.	1690.	1490.	1247.	993.	752.	538.	360.	232.	127.	63.	34.	19.	12.	7.	5.	3.	2.	1.	0.	0.	0.
-1.0	1799.	1786.	1670.	1477.	1240.	989.	753.	540.	362.	234.	129.	64.	34.	19.	11.	7.	5.	3.	2.	1.	0.	0.	0.
-3.0	1659.	1645.	1544.	1375.	1165.	936.	717.	517.	348.	227.	128.	63.	34.	19.	11.	7.	5.	3.	2.	1.	0.	0.	0.
-5.0	1426.	1417.	1337.	1202.	1027.	833.	643.	467.	317.	209.	118.	60.	33.	18.	11.	7.	5.	3.	2.	1.	0.	0.	0.
-7.0	1167.	1160.	1098.	994.	860.	705.	548.	402.	277.	184.	107.	55.	30.	18.	11.	7.	5.	3.	2.	1.	0.	0.	0.
-9.0	918.	913.	868.	790.	687.	566.	443.	329.	230.	155.	92.	51.	28.	17.	10.	7.	5.	3.	2.	1.	0.	0.	0.
-11.0	701.	696.	664.	608.	529.	437.	344.	258.	184.	127.	77.	43.	26.	16.	10.	7.	5.	3.	2.	1.	0.	0.	0.
-13.0	521.	519.	496.	452.	394.	327.	259.	195.	142.	101.	63.	37.	23.	15.	9.	6.	4.	3.	2.	1.	0.	0.	0.
-15.0	378.	376.	359.	327.	285.	237.	190.	145.	108.	78.	51.	31.	20.	13.	9.	6.	4.	3.	2.	1.	0.	0.	0.
-17.0	265.	263.	250.	228.	199.	167.	135.	105.	79.	59.	40.	26.	18.	12.	8.	6.	4.	3.	2.	1.	0.	0.	0.
-19.5	160.	160.	154.	141.	124.	106.	87.	69.	54.	41.	30.	21.	15.	10.	7.	5.	4.	3.	2.	1.	0.	0.	0.
-22.5	88.	88.	84.	79.	71.	62.	52.	43.	35.	28.	21.	16.	12.	9.	7.	5.	4.	3.	2.	1.	0.	0.	0.
-25.5	50.	49.	48.	44.	41.	36.	31.	27.	23.	19.	16.	12.	10.	7.	6.	4.	3.	2.	2.	1.	0.	0.	0.
-29.0	26.	26.	26.	25.	23.	21.	19.	17.	15.	13.	11.	9.	8.	6.	5.	4.	3.	2.	2.	1.	0.	0.	0.
-33.0	15.	15.	14.	14.	13.	13.	12.	11.	10.	9.	8.	7.	6.	5.	4.	3.	3.	2.	1.	1.	0.	0.	0.
-37.5	9.	9.	9.	9.	8.	8.	7.	7.	7.	6.	6.	5.	5.	4.	4.	3.	2.	2.	1.	0.	0.	0.	0.
-42.5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	4.	4.	4.	3.	3.	2.	2.	2.	1.	0.	0.	0.	0.
-47.5	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	2.	2.	2.	2.	1.	1.	0.	0.	0.	0.
-55.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	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.
-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 = 912. CP = 50% OF MAX
FIELD EDGE = 182. CP = 10% OF MAX

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



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DATE: 03/16/10

CANDELA TABULATION - FIELD ONLY

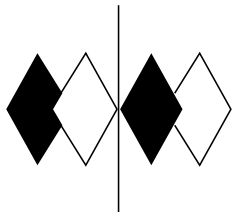
PAGE 3

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																							
19.5																							
17.0	218.	217.	204.	185.																			
15.0	323.	321.	302.	274.	234.	191.																	
13.0	460.	457.	433.	391.	336.	273.	210.																
11.0	638.	633.	600.	541.	463.	374.	288.	211.															
9.0	858.	853.	807.	724.	618.	497.	382.	279.	191.														
7.0	1125.	1116.	1048.	935.	792.	636.	487.	352.	238.														
5.0	1407.	1396.	1307.	1158.	974.	778.	591.	425.	286.	187.													
3.0	1659.	1645.	1535.	1355.	1136.	902.	681.	487.	327.	213.													
1.0	1808.	1794.	1671.	1471.	1231.	977.	739.	527.	353.	228.													
0.0	1824.	1809.	1690.	1490.	1247.	993.	752.	538.	360.	232.													
-1.0	1799.	1786.	1670.	1477.	1240.	989.	753.	540.	362.	234.													
-3.0	1659.	1645.	1544.	1375.	1165.	936.	717.	517.	348.	227.													
-5.0	1426.	1417.	1337.	1202.	1027.	833.	643.	467.	317.	209.													
-7.0	1167.	1160.	1098.	994.	860.	705.	548.	402.	277.	184.													
-9.0	918.	913.	868.	790.	687.	566.	443.	329.	230.														
-11.0	701.	696.	664.	608.	529.	437.	344.	258.	184.														
-13.0	521.	519.	496.	452.	394.	327.	259.	195.															
-15.0	378.	376.	359.	327.	285.	237.	190.																
-17.0	265.	263.	250.	228.	199.																		
-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																							

BEAM EDGE = 912. CP = 50% OF MAX
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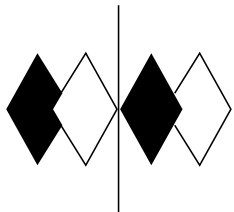
LUMEN TABULATION

PAGE 4

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	0.2
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
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	0.4
31	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	0.0	0.0	0.0	0.0	0.6
27	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	0.0	0.6
24	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	0.0	0.0	0.0	0.0	0.9
21	0.2	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	0.0	0.0	0.0	1.6
18	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	0.0	0.0	0.0	1.6
16	0.4	0.4	0.3	0.3	0.2	0.2	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	2.3
14	0.6	0.5	0.5	0.4	0.3	0.3	0.2	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	3.2
12	0.8	0.7	0.7	0.6	0.5	0.3	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	0.0	0.0	0.0	4.4
10	1.0	1.0	0.9	0.7	0.6	0.5	0.3	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	0.0	0.0	5.8
8	1.4	1.3	1.1	1.0	0.8	0.6	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
6	1.7	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
4	2.0	1.9	1.6	1.4	1.1	0.8	0.6	0.4	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	0.0	10.5
2	2.2	2.0	1.8	1.5	1.2	0.9	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
0	2.2	2.0	1.8	1.5	1.2	0.9	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4
-2	2.0	1.9	1.7	1.4	1.1	0.9	0.6	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
-4	1.7	1.6	1.5	1.2	1.0	0.8	0.6	0.4	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	0.0	9.5
-6	1.4	1.3	1.2	1.0	0.8	0.7	0.5	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
-8	1.1	1.1	1.0	0.8	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
-10	0.8	0.8	0.7	0.6	0.5	0.4	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	0.0	0.0	0.0	5.0
-12	0.6	0.6	0.5	0.5	0.4	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	0.0	0.0	3.8
-14	0.5	0.4	0.4	0.3	0.3	0.2	0.2	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	2.8
-16	0.3	0.3	0.3	0.2	0.2	0.2	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	2.0
-18	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	0.0	0.0	2.0
-21	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	1.2
-24	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	0.0	0.0	0.0	0.0	0.0	0.8
-27	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	0.6
-31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
-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	0.4
-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22.2	20.9	18.7	16.0	12.9	10.0	7.3	5.1	3.5	3.2	1.9	1.2	1.0	0.7	0.6	0.4	0.3	0.3	0.1	0.0	0.0	0.0	126.3

LUMEN TOTAL THIS PAGE = 126.3



INDEPENDENT TESTING LABORATORIES, INC.
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REPORT NUMBER: ITL64231
PREPARED FOR: B-K LIGHTING, INC.

DATE: 03/16/10

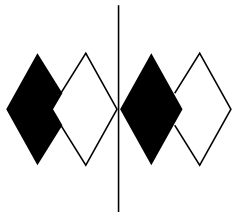
LUMEN TABULATION - FIELD ONLY

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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																						0.0
21																						0.0
18																						0.0
16	0.3	0.2	0.2																			0.7
14	0.4	0.4	0.3	0.3	0.2																	1.6
12	0.6	0.5	0.5	0.4	0.3	0.3																2.5
10	0.8	0.7	0.7	0.6	0.5	0.3	0.3															3.8
8	1.0	1.0	0.9	0.7	0.6	0.5	0.3	0.2														5.3
6	1.4	1.3	1.1	1.0	0.8	0.6	0.4	0.3														6.8
4	1.7	1.6	1.4	1.2	0.9	0.7	0.5	0.3	0.2													8.6
2	2.0	1.9	1.6	1.4	1.1	0.8	0.6	0.4	0.2													10.0
0	2.2	2.0	1.8	1.5	1.2	0.9	0.6	0.4	0.3													10.9
-2	2.2	2.0	1.8	1.5	1.2	0.9	0.6	0.4	0.3													10.9
-4	2.0	1.9	1.7	1.4	1.1	0.9	0.6	0.4	0.3													10.2
-6	1.7	1.6	1.5	1.2	1.0	0.8	0.6	0.4	0.2													9.0
-8	1.4	1.3	1.2	1.0	0.8	0.7	0.5	0.3	0.2													7.5
-10	1.1	1.1	1.0	0.8	0.7	0.5	0.4	0.3														5.8
-12	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2														4.5
-14	0.6	0.6	0.5	0.5	0.4	0.3	0.2															3.2
-16	0.5	0.4	0.4	0.3	0.3	0.2																2.1
-18	0.3	0.3	0.3	0.2																		1.1
-21																						0.0
-24																						0.0
-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	21.0	19.7	17.6	14.7	11.6	8.7	5.9	3.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.6

LUMEN TOTAL THIS PAGE = 104.6



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AVERAGE OF RIGHT AND LEFT SIDES

