

REPORT NUMBER: ITL86007

PAGE: 1 OF 7

ISSUE DATE: 02/15/16

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: NS-LED-e66-SP-12, AR-LED-TR-e66-SP-12, AR-LED-RM-e66-SP-12, DS-LED-e66-SP-12, RM-AR-LED-e66-SP-12, SN-LED-e66-SP-12, ST-LED-e66-SP-12, SF-LED-e66-SP-12, TF-LED-e66-SP-12, WS-LED-e66-SP-12, AW-LED-e66-SP-12, SW-LED-e66-SP-12, GD-LED-e66-SP-12, GQ-LED-e66-SP-12, EC-LED-e66-SP-12, ED-LED-e66-SP-12, SM-AR-LED-e66-SP-12, PM-LED-e66-SP-12, WM-LED-e66-SP-12, UL-AR-LED-e66-SP-12, HP2-LED-e66-SP-12, CO2-LED-e66-SP-12, VQ-LED-e66-SP-12, VS-LED-e66-SP-12

LUMINAIRE: MACHINED CYLINDRICAL METAL HOUSING, 1 BLACK CIRCUIT BOARD WITH 3 LEDS, ONE CLEAR CONICAL PLASTIC OPTIC PER LED WITH FROSTED SURFACE OPPOSITE LED AND SEMI-HEMISPHERICAL RECESSED CENTER TOWARD LED, MOLDED BLACK PLASTIC OPTIC MOUNTING FRAME, CLEAR MICRO-PRISMATIC FLAT GLASS LENS IN MACHINED CYLINDRICAL BLACK PAINTED METAL LENS FRAME. LENS PRISMS OUT.

LAMPS: THREE WHITE LIGHT EMITTING DIODES (LEDs), AIMED AT THE HORIZON.

INPUT ELECTRICAL: 12.0 VOLTS, 6.82 WATTS, 0.630 AMPS

LED DRIVER: B-K LIGHTING 528930/400188-M, DRIVER HAS MULTIPLE LEADS, LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (12VAC, 60Hz) TO THE DRIVER. POTENTIOMETER ON THE LED CIRCUIT BOARD SET TO POSITION "9" FOR THIS TEST.

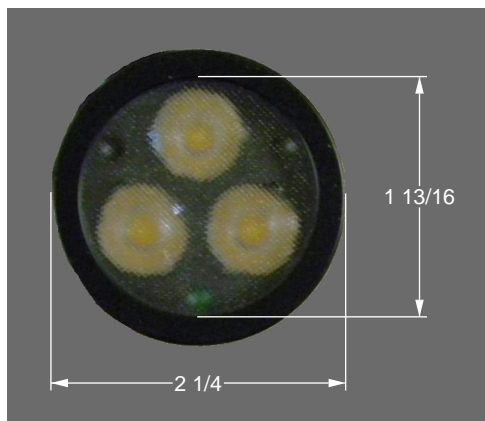
TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET

AXIAL CANDLEPOWER

FLOODLIGHT CHARACTERISTICS

IES TYPE 3H X 3V  
MAXIMUM CANDLEPOWER 5225. AT 0.0 H, 0.0 V  
HORIZONTAL BEAM ANGLE (50%) 15.6 deg  
VERTICAL BEAM ANGLE (50%) 15.2 deg  
HORIZONTAL FIELD ANGLE (10%) 30.2 deg  
VERTICAL FIELD ANGLE (10%) 29.6 deg  
BEAM LUMENS (% FIXTURE) 223. ( 43.6 % )  
FIELD LUMENS (% FIXTURE) 404. ( 79.1 % )  
TOTAL LUMENS (% FIXTURE) 511. (100.0 % )  
EFFICACY = 74.9 lm/W



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

DEG	HORIZ.	DEG	VERT.
90.0	0.	90.0	0.
85.0	0.	85.0	0.
75.0	0.	75.0	0.
65.0	2.	65.0	2.
55.0	4.	55.0	4.
47.5	7.	47.5	6.
42.5	10.	42.5	9.
37.5	15.	37.5	14.
33.0	23.	33.0	22.
29.0	37.	29.0	37.
25.5	62.	25.5	61.
22.5	104.	22.5	100.
19.5	188.	19.5	181.
17.0	331.	17.0	324.
15.0	535.	15.0	528.
13.0	872.	13.0	865.
11.0	1376.	11.0	1388.
9.0	2080.	9.0	2133.
7.0	2953.	7.0	3051.
5.0	3907.	5.0	3898.
3.0	4700.	3.0	4723.
1.0	5167.	1.0	5185.
0.0	5225.	0.0	5225.
-1.0	5167.	-1.0	5109.
-3.0	4700.	-3.0	4544.
-5.0	3907.	-5.0	3676.
-7.0	2953.	-7.0	2726.
-9.0	2080.	-9.0	1873.
-11.0	1376.	-11.0	1210.
-13.0	872.	-13.0	751.
-15.0	535.	-15.0	459.
-17.0	331.	-17.0	284.
-19.5	188.	-19.5	164.
-22.5	104.	-22.5	92.
-25.5	62.	-25.5	58.
-29.0	37.	-29.0	36.
-33.0	23.	-33.0	23.
-37.5	15.	-37.5	15.
-42.5	10.	-42.5	10.
-47.5	7.	-47.5	7.
-55.0	4.	-55.0	4.
-65.0	2.	-65.0	2.
-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.

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



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)

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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	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
55.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	2.	2.	2.	1.	1.	0.	0.	0.	0.
47.5	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.	5.	5.	5.	4.	4.	3.	3.	2.	2.	1.	0.	0.	0.
42.5	9.	9.	9.	9.	9.	9.	8.	8.	8.	8.	8.	7.	7.	6.	5.	4.	3.	3.	2.	1.	0.	0.	0.
37.5	14.	14.	14.	14.	13.	13.	13.	12.	12.	11.	11.	10.	9.	8.	7.	5.	4.	3.	2.	1.	0.	0.	0.
33.0	22.	22.	22.	21.	21.	20.	19.	18.	17.	16.	15.	13.	12.	10.	8.	6.	5.	4.	3.	1.	0.	0.	0.
29.0	37.	37.	36.	35.	33.	31.	29.	26.	24.	22.	20.	17.	15.	12.	10.	8.	6.	4.	3.	1.	0.	0.	0.
25.5	61.	61.	60.	57.	53.	48.	43.	39.	35.	31.	27.	22.	19.	15.	12.	9.	6.	5.	3.	1.	0.	0.	0.
22.5	100.	100.	97.	92.	84.	75.	66.	57.	50.	43.	35.	28.	22.	17.	13.	10.	7.	5.	3.	1.	0.	0.	0.
19.5	181.	180.	173.	160.	142.	121.	103.	86.	72.	60.	47.	35.	27.	20.	15.	11.	8.	5.	3.	1.	0.	0.	0.
17.0	324.	320.	303.	274.	235.	195.	156.	125.	100.	80.	60.	43.	32.	23.	16.	11.	8.	6.	3.	1.	0.	0.	0.
15.0	528.	522.	491.	435.	364.	290.	224.	172.	131.	102.	74.	51.	36.	25.	18.	12.	8.	6.	4.	1.	0.	0.	0.
13.0	865.	856.	796.	692.	562.	428.	322.	236.	173.	129.	89.	59.	41.	28.	19.	13.	9.	6.	4.	1.	0.	0.	0.
11.0	1388.	1366.	1258.	1075.	853.	632.	458.	324.	225.	160.	108.	68.	45.	30.	20.	13.	9.	6.	4.	1.	0.	0.	0.
9.0	2133.	2082.	1905.	1606.	1253.	905.	635.	436.	290.	199.	127.	78.	50.	32.	21.	14.	9.	6.	4.	2.	0.	0.	0.
7.0	3051.	2972.	2708.	2264.	1742.	1256.	847.	566.	368.	241.	148.	87.	54.	34.	21.	14.	9.	7.	4.	2.	0.	0.	0.
5.0	3898.	3921.	3567.	2964.	2258.	1608.	1068.	698.	441.	281.	166.	95.	58.	35.	22.	14.	10.	7.	4.	2.	0.	0.	0.
3.0	4723.	4719.	4290.	3559.	2696.	1904.	1255.	806.	500.	313.	181.	101.	61.	36.	23.	15.	10.	7.	4.	2.	0.	0.	0.
1.0	5185.	5141.	4677.	3883.	2933.	2065.	1363.	865.	531.	329.	188.	104.	62.	37.	23.	15.	10.	7.	4.	2.	0.	0.	0.
0.0	5225.	5167.	4700.	3907.	2953.	2080.	1376.	872.	535.	331.	188.	104.	62.	37.	23.	15.	10.	7.	4.	2.	0.	0.	0.
-1.0	5109.	5065.	4607.	3833.	2906.	2047.	1360.	861.	531.	327.	187.	103.	61.	36.	23.	15.	10.	7.	4.	2.	0.	0.	0.
-3.0	4544.	4511.	4110.	3429.	2634.	1869.	1247.	795.	495.	308.	178.	100.	59.	36.	22.	14.	10.	7.	4.	2.	0.	0.	0.
-5.0	3676.	3643.	3328.	2796.	2179.	1563.	1057.	685.	435.	276.	164.	93.	57.	34.	22.	14.	9.	7.	4.	2.	0.	0.	0.
-7.0	2726.	2695.	2472.	2096.	1664.	1211.	835.	555.	361.	237.	145.	85.	53.	33.	21.	14.	9.	6.	4.	1.	0.	0.	0.
-9.0	1873.	1852.	1710.	1466.	1186.	880.	622.	427.	287.	193.	123.	75.	48.	31.	20.	13.	9.	6.	4.	1.	0.	0.	0.
-11.0	1210.	1202.	1116.	970.	801.	611.	444.	311.	222.	155.	103.	66.	43.	29.	19.	13.	9.	6.	4.	1.	0.	0.	0.
-13.0	751.	751.	703.	620.	513.	404.	310.	225.	166.	123.	86.	56.	39.	26.	18.	12.	8.	6.	4.	1.	0.	0.	0.
-15.0	459.	463.	437.	392.	333.	264.	208.	163.	126.	97.	70.	48.	34.	24.	16.	12.	8.	6.	4.	1.	0.	0.	0.
-17.0	284.	288.	275.	250.	214.	180.	147.	119.	94.	76.	57.	41.	30.	21.	15.	11.	8.	6.	4.	1.	0.	0.	0.
-19.5	164.	163.	157.	146.	132.	115.	98.	82.	68.	56.	44.	33.	25.	19.	14.	10.	7.	6.	3.	1.	0.	0.	0.
-22.5	92.	91.	90.	86.	79.	72.	64.	55.	47.	41.	33.	26.	21.	16.	12.	9.	7.	5.	3.	1.	0.	0.	0.
-25.5	58.	57.	56.	54.	51.	46.	42.	38.	34.	30.	26.	21.	17.	14.	11.	8.	6.	5.	3.	1.	0.	0.	0.
-29.0	36.	36.	35.	34.	33.	30.	28.	26.	24.	22.	19.	17.	14.	12.	9.	7.	6.	5.	3.	1.	0.	0.	0.
-33.0	23.	22.	22.	22.	21.	20.	19.	18.	17.	16.	15.	13.	11.	10.	8.	6.	5.	4.	3.	1.	0.	0.	0.
-37.5	15.	14.	14.	14.	14.	13.	13.	12.	12.	11.	11.	10.	9.	8.	7.	5.	5.	4.	2.	1.	0.	0.	0.
-42.5	10.	9.	9.	9.	9.	9.	9.	9.	8.	8.	8.	7.	7.	6.	5.	5.	4.	3.	2.	1.	0.	0.	0.
-47.5	7.	7.	7.	7.	6.	6.	6.	6.	6.	6.	6.	5.	5.	5.	4.	4.	3.	2.	1.	0.	0.	0.	0.
-55.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	2.	2.	1.	1.	0.	0.	0.	0.
-65.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.	1.	1.	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 = 2613. CP = 50% OF MAX  
FIELD EDGE = 523. CP = 10% OF MAX

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



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4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

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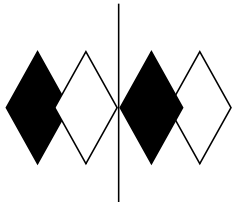
# CANDELA TABULATION - FIELD ONLY

## 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																							
19.5																							
17.0																							
15.0	528.																						
13.0	865.	856.	796.	692.	562.																		
11.0	1388.	1366.	1258.	1075.	853.	632.																	
9.0	2133.	2082.	1905.	1606.	1253.	905.	635.																
7.0	3051.	2972.	2708.	2264.	1742.	1256.	847.	566.															
5.0	3898.	3921.	3567.	2964.	2258.	1608.	1068.	698.															
3.0	4723.	4719.	4290.	3559.	2696.	1904.	1255.	806.															
1.0	5185.	5141.	4677.	3883.	2933.	2065.	1363.	865.	531.														
0.0	5225.	5167.	4700.	3907.	2953.	2080.	1376.	872.	535.														
-1.0	5109.	5065.	4607.	3833.	2906.	2047.	1360.	861.	531.														
-3.0	4544.	4511.	4110.	3429.	2634.	1869.	1247.	795.															
-5.0	3676.	3643.	3328.	2796.	2179.	1563.	1057.	685.															
-7.0	2726.	2695.	2472.	2096.	1664.	1211.	835.	555.															
-9.0	1873.	1852.	1710.	1466.	1186.	880.	622.																
-11.0	1210.	1202.	1116.	970.	801.	611.																	
-13.0	751.	751.	703.	620.																			
-15.0																							
-17.0																							
-19.5																							
-22.5																							
-25.5																							
-29.0																							
-33.0																							
-37.5																							
-42.5																							
-47.5																							
-55.0																							
-65.0																							
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**itl boulder**  
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



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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	0.0
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	0.2
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	0.4
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	0.3
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	0.5
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	0.6
35	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
24	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	1.6
21	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
18	0.4	0.4	0.3	0.3	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	2.5
16	0.6	0.6	0.5	0.4	0.3	0.3	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	3.7
14	1.0	1.0	0.8	0.7	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	0.0	5.6
12	1.7	1.5	1.3	1.0	0.8	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	8.2
10	2.5	2.3	1.9	1.5	1.1	0.8	0.5	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	11.9
8	3.6	3.3	2.7	2.1	1.5	1.0	0.7	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4
6	4.8	4.3	3.6	2.7	1.9	1.3	0.8	0.5	0.3	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	21.1
4	5.7	5.2	4.3	3.3	2.3	1.5	1.0	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	25.0
2	6.3	5.7	4.7	3.5	2.5	1.6	1.0	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	27.2
0	6.2	5.6	4.7	3.5	2.5	1.6	1.0	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	26.9
-2	5.5	5.0	4.2	3.2	2.2	1.5	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	24.3
-4	4.4	4.0	3.4	2.6	1.9	1.3	0.8	0.5	0.3	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	20.0
-6	3.3	3.0	2.5	2.0	1.5	1.0	0.7	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	15.3
-8	2.3	2.1	1.8	1.4	1.1	0.7	0.5	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	11.0
-10	1.5	1.4	1.2	1.0	0.7	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	7.6
-12	0.9	0.9	0.8	0.6	0.5	0.4	0.3	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	5.1
-14	0.6	0.5	0.5	0.4	0.3	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	3.4
-16	0.4	0.3	0.3	0.3	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	2.3
-18	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
-21	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	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	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
-31	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.7
-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
-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
-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
-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
-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	53.3	48.8	41.2	32.1	23.4	16.2	11.0	7.4	5.1	4.9	3.2	2.2	2.0	1.3	1.1	0.8	0.5	0.6	0.1	0.0	0.0	0.0	255.3

LUMEN TOTAL THIS PAGE = 255.3



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)

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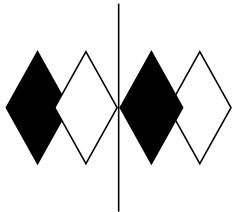
PAGE: 5 OF 7

# 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																							0.0
21																							0.0
18																							0.0
16																							0.0
14																							0.0
12	1.0	1.0	0.8	0.7																			3.5
10	1.7	1.5	1.3	1.0	0.8																		6.3
8	2.5	2.3	1.9	1.5	1.1	0.8																	10.2
6	3.6	3.3	2.7	2.1	1.5	1.0	0.7																15.0
4	4.8	4.3	3.6	2.7	1.9	1.3	0.8																19.5
2	5.7	5.2	4.3	3.3	2.3	1.5	1.0																23.3
0	6.3	5.7	4.7	3.5	2.5	1.6	1.0	0.6															26.0
-2	6.2	5.6	4.7	3.5	2.5	1.6	1.0	0.6															25.7
-4	5.5	5.0	4.2	3.2	2.2	1.5	0.9																22.5
-6	4.4	4.0	3.4	2.6	1.9	1.3	0.8																18.5
-8	3.3	3.0	2.5	2.0	1.5	1.0	0.7																14.0
-10	2.3	2.1	1.8	1.4	1.1	0.7																	9.4
-12	1.5	1.4	1.2	1.0	0.7																		5.7
-14	0.9	0.9	0.8																				2.5
-16																							0.0
-18																							0.0
-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	49.7	45.3	37.9	28.6	19.9	12.3	6.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201.9

LUMEN TOTAL THIS PAGE = 201.9

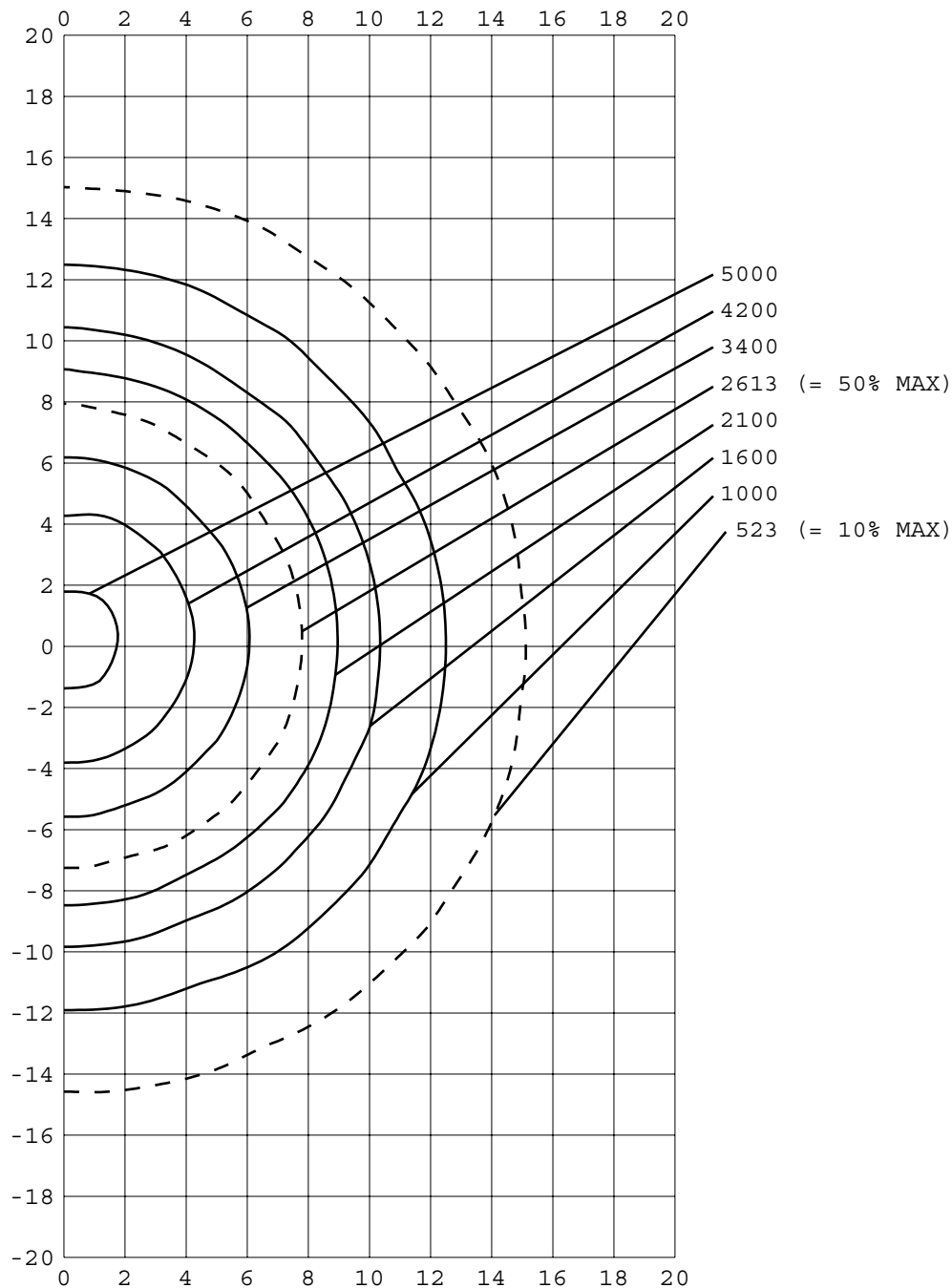


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INDEPENDENT TESTING LABORATORIES, INC.  
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

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)

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ADDRESS: 40429 BRICKYARD DRIVE  
MADERA, CA 93636-9515

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