

REPORT NUMBER: ITL86236

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ISSUE DATE: 12/28/15

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: MN-LED-e69-MFL-12-C, SN-MN-LED-e69-MFL-12, ST-MN-LED-e69-MFL-12, SF-MN-LED-e69-MFL-12, TF-MN-LED-e69-MFL-12, RM-MN-LED-e69-MFL-12, PM-MN-LED-e69-MFL-12, WM-MN-LED-e69-MFL-12, SM-MN-LED-e69-MFL-12, CH-LED-e69-MFL-12

LUMINAIRE: MACHINED CYLINDRICAL METAL HOUSING, 1 BLACK CIRCUIT BOARD WITH 3 LEDS, ONE CLEAR PRISMATIC PLASTIC LENS WITH ONE CONICAL OPTIC PER LED WITH SEMI-HEMISPHERICAL RECESSED CENTER TOWARD LED, CLEAR MICRO-PRISMATIC FLAT GLASS LENS IN MACHINED CYLINDRICAL BLACK PAINTED METAL LENS FRAME. LENS PRISMS OUT. LUMINAIRE AIMED AT THE HORIZON FOR THIS TEST.

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

INPUT ELECTRICAL: 12.0 VOLTS, 6.49 WATTS, 0.602 AMPS

LED DRIVER: B-K LIGHTING 524438/400188-L

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

TEST PROCEDURE: IESNA LM-79-08

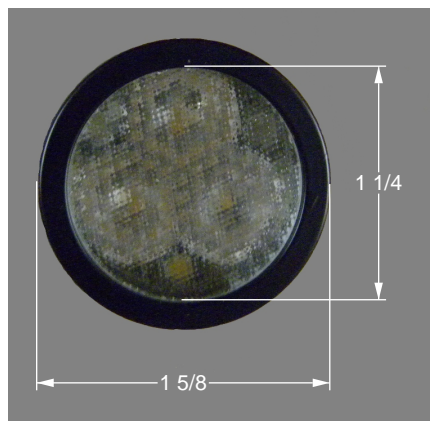
TEST DISTANCE = 20.0 FEET

# FLOODLIGHT CHARACTERISTICS

## AXIAL CANDLEPOWER

IES TYPE 4H X 4V  
MAXIMUM CANDLEPOWER 1877. AT 0.0 H, 0.0 V  
HORIZONTAL BEAM ANGLE (50%) 24.1 deg  
VERTICAL BEAM ANGLE (50%) 24.1 deg  
HORIZONTAL FIELD ANGLE (10%) 49.5 deg  
VERTICAL FIELD ANGLE (10%) 49.5 deg  
BEAM LUMENS (% FIXTURE) 188. ( 39.3 % )  
FIELD LUMENS (% FIXTURE) 375. ( 78.4 % )  
TOTAL LUMENS (% FIXTURE) 478. (100.0 % )  
EFFICACY = 73.7 lm/W

DEG	HORIZ.	DEG	VERT.
90.0	0.	90.0	0.
85.0	0.	85.0	0.
75.0	2.	75.0	1.
65.0	5.	65.0	3.
55.0	10.	55.0	9.
47.5	16.	47.5	16.
42.5	23.	42.5	24.
37.5	38.	37.5	39.
33.0	64.	33.0	67.
29.0	106.	29.0	110.
25.5	167.	25.5	175.
22.5	251.	22.5	260.
19.5	375.	19.5	385.
17.0	520.	17.0	531.
15.0	670.	15.0	678.
13.0	847.	13.0	850.
11.0	1044.	11.0	1049.
9.0	1260.	9.0	1254.
7.0	1474.	7.0	1464.
5.0	1656.	5.0	1646.
3.0	1792.	3.0	1795.
1.0	1866.	1.0	1865.
0.0	1877.	0.0	1877.
-1.0	1866.	-1.0	1866.
-3.0	1792.	-3.0	1795.
-5.0	1656.	-5.0	1656.
-7.0	1474.	-7.0	1469.
-9.0	1260.	-9.0	1256.
-11.0	1044.	-11.0	1037.
-13.0	847.	-13.0	835.
-15.0	670.	-15.0	658.
-17.0	520.	-17.0	507.
-19.5	375.	-19.5	363.
-22.5	251.	-22.5	240.
-25.5	167.	-25.5	161.
-29.0	106.	-29.0	102.
-33.0	64.	-33.0	64.
-37.5	38.	-37.5	40.
-42.5	23.	-42.5	27.
-47.5	16.	-47.5	20.
-55.0	10.	-55.0	14.
-65.0	5.	-65.0	7.
-75.0	2.	-75.0	2.
-85.0	0.	-85.0	0.
-90.0	0.	-90.0	0.



Checked M KLOPF  
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	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.
65.0	3.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	2.	1.	0.	0.	0.
55.0	9.	9.	9.	9.	8.	8.	8.	8.	8.	8.	8.	8.	7.	7.	7.	7.	6.	6.	4.	2.	1.	0.	0.
47.5	16.	16.	16.	16.	15.	15.	15.	14.	14.	13.	13.	12.	12.	11.	11.	11.	10.	9.	6.	3.	1.	0.	0.
42.5	24.	24.	24.	23.	23.	22.	22.	21.	20.	19.	18.	17.	16.	15.	14.	14.	13.	11.	7.	3.	1.	0.	0.
37.5	39.	39.	39.	38.	37.	36.	34.	33.	31.	29.	26.	24.	22.	20.	18.	17.	16.	13.	8.	3.	1.	0.	0.
33.0	67.	66.	65.	64.	61.	58.	54.	51.	47.	44.	39.	34.	30.	26.	23.	20.	18.	15.	9.	4.	1.	0.	0.
29.0	110.	110.	108.	105.	100.	94.	87.	80.	72.	65.	56.	47.	40.	33.	27.	23.	19.	16.	10.	4.	1.	0.	0.
25.5	175.	174.	172.	164.	155.	144.	131.	118.	104.	92.	79.	63.	51.	41.	32.	26.	20.	16.	10.	4.	1.	0.	0.
22.5	260.	258.	255.	243.	228.	209.	190.	168.	146.	126.	105.	82.	64.	49.	37.	28.	21.	16.	10.	4.	1.	0.	0.
19.5	385.	385.	374.	357.	331.	301.	267.	233.	200.	169.	137.	105.	79.	58.	42.	30.	21.	16.	10.	5.	2.	0.	0.
17.0	531.	527.	517.	486.	448.	403.	353.	305.	258.	215.	170.	127.	93.	66.	46.	31.	22.	16.	10.	5.	2.	0.	0.
15.0	678.	676.	654.	618.	567.	507.	439.	373.	312.	256.	200.	146.	106.	73.	49.	33.	22.	15.	10.	5.	2.	0.	0.
13.0	850.	849.	817.	771.	705.	623.	536.	452.	373.	302.	231.	165.	118.	80.	52.	34.	22.	16.	10.	5.	2.	0.	0.
11.0	1049.	1044.	1005.	945.	858.	751.	641.	536.	439.	352.	264.	185.	129.	86.	55.	35.	23.	16.	10.	5.	2.	0.	0.
9.0	1254.	1250.	1202.	1122.	1013.	888.	749.	621.	502.	399.	295.	205.	141.	92.	58.	36.	23.	16.	10.	5.	2.	0.	0.
7.0	1464.	1457.	1400.	1303.	1170.	1016.	856.	702.	564.	443.	324.	222.	150.	97.	60.	37.	23.	16.	10.	5.	2.	0.	0.
5.0	1646.	1640.	1579.	1457.	1308.	1130.	944.	770.	615.	480.	349.	236.	158.	101.	62.	38.	23.	16.	10.	5.	2.	0.	0.
3.0	1795.	1782.	1710.	1580.	1409.	1210.	1010.	821.	651.	506.	367.	246.	164.	104.	63.	38.	24.	16.	10.	5.	2.	0.	0.
1.0	1865.	1857.	1782.	1648.	1467.	1255.	1042.	845.	668.	519.	375.	251.	167.	106.	64.	38.	24.	16.	10.	5.	2.	0.	0.
0.0	1877.	1866.	1792.	1656.	1474.	1260.	1044.	847.	670.	520.	375.	251.	167.	106.	64.	38.	23.	16.	10.	5.	2.	0.	0.
-1.0	1866.	1858.	1784.	1648.	1467.	1252.	1038.	841.	666.	516.	372.	250.	166.	106.	64.	38.	23.	16.	10.	5.	2.	0.	0.
-3.0	1795.	1787.	1714.	1583.	1407.	1203.	996.	808.	642.	499.	361.	244.	163.	104.	63.	38.	23.	16.	9.	5.	2.	0.	0.
-5.0	1656.	1648.	1582.	1462.	1302.	1113.	927.	753.	600.	468.	341.	232.	156.	100.	61.	37.	23.	15.	9.	5.	2.	0.	0.
-7.0	1469.	1464.	1406.	1300.	1158.	997.	830.	679.	545.	428.	315.	216.	146.	95.	59.	36.	23.	15.	9.	4.	2.	0.	0.
-9.0	1256.	1253.	1204.	1115.	998.	859.	725.	596.	482.	382.	284.	198.	136.	89.	56.	35.	22.	15.	9.	4.	2.	0.	0.
-11.0	1037.	1032.	995.	925.	837.	726.	615.	510.	416.	333.	250.	178.	124.	82.	53.	33.	21.	15.	9.	4.	2.	0.	0.
-13.0	835.	830.	803.	752.	681.	595.	508.	427.	351.	285.	218.	156.	111.	76.	49.	32.	21.	14.	9.	4.	2.	0.	0.
-15.0	658.	657.	633.	595.	541.	478.	413.	351.	293.	240.	186.	136.	99.	69.	46.	30.	20.	14.	9.	4.	2.	0.	0.
-17.0	507.	508.	491.	462.	425.	379.	330.	283.	240.	200.	157.	117.	87.	62.	42.	29.	19.	13.	8.	4.	1.	0.	0.
-19.5	363.	362.	352.	334.	308.	280.	247.	215.	184.	156.	126.	97.	74.	54.	38.	26.	18.	13.	8.	4.	1.	0.	0.
-22.5	240.	238.	233.	223.	208.	192.	172.	153.	134.	116.	96.	76.	60.	45.	33.	24.	17.	12.	8.	4.	1.	0.	0.
-25.5	161.	158.	155.	149.	140.	130.	119.	107.	96.	85.	73.	59.	48.	37.	28.	21.	15.	11.	7.	3.	1.	0.	0.
-29.0	102.	101.	100.	97.	92.	86.	80.	74.	66.	60.	53.	44.	37.	30.	24.	18.	14.	10.	6.	3.	1.	0.	0.
-33.0	64.	63.	62.	60.	58.	55.	53.	49.	45.	42.	37.	32.	28.	24.	19.	15.	12.	9.	6.	3.	1.	0.	0.
-37.5	40.	40.	40.	39.	38.	36.	35.	33.	31.	29.	26.	24.	21.	18.	16.	13.	10.	8.	5.	3.	1.	0.	0.
-42.5	27.	27.	27.	26.	25.	25.	24.	23.	22.	20.	19.	17.	16.	14.	12.	10.	8.	6.	4.	2.	1.	0.	0.
-47.5	20.	20.	20.	20.	19.	18.	18.	17.	16.	15.	14.	13.	12.	11.	10.	8.	7.	5.	3.	2.	1.	0.	0.
-55.0	14.	14.	14.	14.	13.	13.	12.	11.	11.	10.	10.	9.	8.	8.	7.	6.	5.	4.	2.	1.	0.	0.	0.
-65.0	7.	7.	7.	7.	7.	7.	6.	6.	6.	6.	5.	5.	4.	4.	3.	3.	2.	2.	1.	1.	0.	0.	0.
-75.0	2.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.	1.	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 = 939. CP = 50% OF MAX  
FIELD EDGE = 188. CP = 10% OF MAX

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



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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	260.	258.	255.	243.	228.	209.	190.																
19.5	385.	385.	374.	357.	331.	301.	267.	233.	200.														
17.0	531.	527.	517.	486.	448.	403.	353.	305.	258.	215.													
15.0	678.	676.	654.	618.	567.	507.	439.	373.	312.	256.	200.												
13.0	850.	849.	817.	771.	705.	623.	536.	452.	373.	302.	231.												
11.0	1049.	1044.	1005.	945.	858.	751.	641.	536.	439.	352.	264.												
9.0	1254.	1250.	1202.	1122.	1013.	888.	749.	621.	502.	399.	295.	205.											
7.0	1464.	1457.	1400.	1303.	1170.	1016.	856.	702.	564.	443.	324.	222.											
5.0	1646.	1640.	1579.	1457.	1308.	1130.	944.	770.	615.	480.	349.	236.											
3.0	1795.	1782.	1710.	1580.	1409.	1210.	1010.	821.	651.	506.	367.	246.											
1.0	1865.	1857.	1782.	1648.	1467.	1255.	1042.	845.	668.	519.	375.	251.											
0.0	1877.	1866.	1792.	1656.	1474.	1260.	1044.	847.	670.	520.	375.	251.											
-1.0	1866.	1858.	1784.	1648.	1467.	1252.	1038.	841.	666.	516.	372.	250.											
-3.0	1795.	1787.	1714.	1583.	1407.	1203.	996.	808.	642.	499.	361.	244.											
-5.0	1656.	1648.	1582.	1462.	1302.	1113.	927.	753.	600.	468.	341.	232.											
-7.0	1469.	1464.	1406.	1300.	1158.	997.	830.	679.	545.	428.	315.	216.											
-9.0	1256.	1253.	1204.	1115.	998.	859.	725.	596.	482.	382.	284.	198.											
-11.0	1037.	1032.	995.	925.	837.	726.	615.	510.	416.	333.	250.												
-13.0	835.	830.	803.	752.	681.	595.	508.	427.	351.	285.	218.												
-15.0	658.	657.	633.	595.	541.	478.	413.	351.	293.	240.													
-17.0	507.	508.	491.	462.	425.	379.	330.	283.	240.	200.													
-19.5	363.	362.	352.	334.	308.	280.	247.	215.															
-22.5	240.	238.	233.	223.	208.	192.																	
-25.5																							
-29.0																							
-33.0																							
-37.5																							
-42.5																							
-47.5																							
-55.0																							
-65.0																							
-75.0																							
-85.0																							
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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	0.5
60	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	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	1.1
50	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	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.9
45	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	0.1	0.1	0.1	0.0	0.0	0.0	1.3
40	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	0.1	0.1	0.1	0.0	0.0	0.0	1.8
35	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	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	2.1
31	0.3	0.3	0.3	0.2	0.2	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	0.1	0.0	0.0	0.0	3.1
27	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	3.3
24	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	4.5
21	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	6.2
18	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	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	5.3
16	0.8	0.8	0.8	0.7	0.6	0.5	0.4	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	6.5
14	1.0	1.0	0.9	0.9	0.7	0.6	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
12	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4	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	9.4
10	1.5	1.5	1.4	1.2	1.1	0.9	0.7	0.6	0.5	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	11.0
8	1.8	1.7	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.6	0.4	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.5
6	2.0	1.9	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.8
4	2.2	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8
2	2.3	2.2	2.0	1.8	1.5	1.2	1.0	0.8	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	15.3
0	2.3	2.2	2.0	1.8	1.5	1.2	1.0	0.8	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	15.3
-2	2.2	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	14.7
-4	2.0	1.9	1.8	1.6	1.3	1.1	0.9	0.7	0.5	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.7
-6	1.8	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.5	0.5	0.4	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.3
-8	1.5	1.5	1.4	1.2	1.0	0.9	0.7	0.6	0.4	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	10.7
-10	1.3	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1
-12	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
-14	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.3	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	6.2
-16	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	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	5.0
-18	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	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	5.7
-21	0.4	0.4	0.4	0.4	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	4.1
-24	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	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	2.9
-27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	2.7
-31	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9
-35	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	1.7
-40	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	1.2
-45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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
-50	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	1.3
-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	0.7
-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	31.4	30.3	28.2	25.4	22.2	18.8	15.7	12.8	10.3	11.7	8.4	6.0	5.5	3.7	3.1	2.1	1.5	1.6	0.5	0.1	0.0	0.0	239.1

LUMEN TOTAL THIS PAGE = 239.1



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REPORT NUMBER: ITL86236  
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PREPARED FOR: B-K LIGHTING, INC.

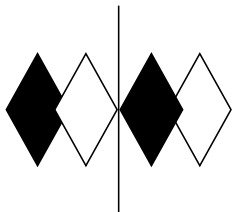
PAGE: 5 OF 7

# 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																							0.0
21	0.5	0.5	0.4	0.4	0.4	0.3																	2.5
18	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4															4.4
16	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3														4.2
14	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3													5.6
12	1.0	1.0	0.9	0.9	0.7	0.6	0.5	0.4	0.4	0.4													6.9
10	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.5													8.4
8	1.5	1.5	1.4	1.2	1.1	0.9	0.7	0.6	0.5	0.5	0.3												10.2
6	1.8	1.7	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.6	0.4												11.7
4	2.0	1.9	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.6	0.4												13.0
2	2.2	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.6	0.4												13.9
0	2.3	2.2	2.0	1.8	1.5	1.2	1.0	0.8	0.6	0.6	0.4												14.4
-2	2.3	2.2	2.0	1.8	1.5	1.2	1.0	0.8	0.6	0.6	0.4												14.4
-4	2.2	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.6	0.4												13.9
-6	2.0	1.9	1.8	1.6	1.3	1.1	0.9	0.7	0.5	0.6	0.4												12.9
-8	1.8	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.5	0.5	0.4												11.5
-10	1.5	1.5	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.5	0.3												10.0
-12	1.3	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.4													8.1
-14	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.4													6.7
-16	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.3														5.1
-18	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2														4.0
-21	0.7	0.6	0.6	0.6	0.5	0.4	0.4																3.8
-24	0.4	0.4	0.4	0.4	0.3																		2.0
-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																							0.0
	29.2	28.1	26.1	23.4	20.3	16.8	13.5	10.5	7.9	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.5

LUMEN TOTAL THIS PAGE = 187.5



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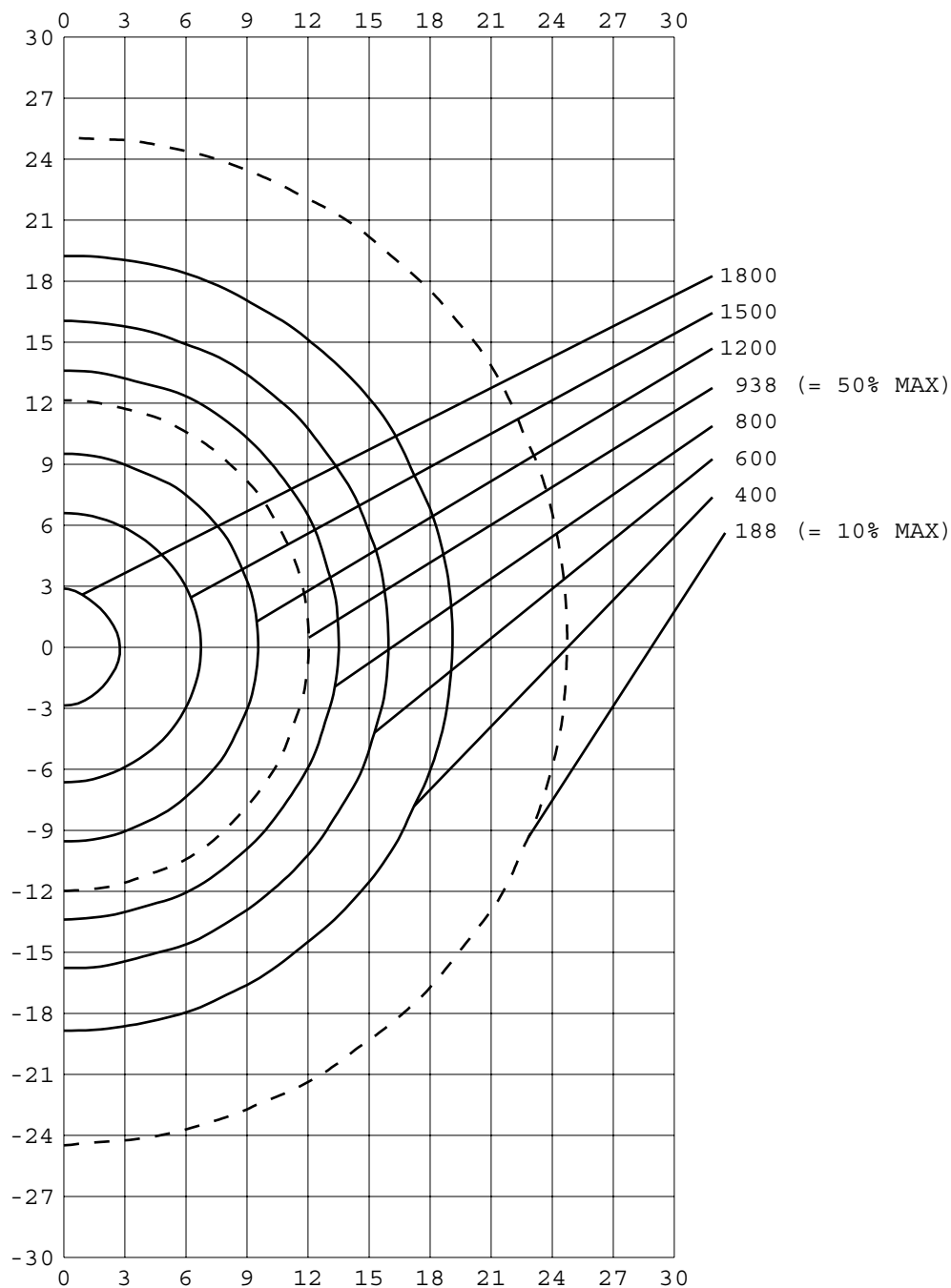
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