

REPORT NUMBER: ITL83571

PAGE: 1 OF 7

ISSUE DATE: 12/02/14

REVISED: 11/10/15

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: K2-LED-X45-NFL-12, SM-AP-LED-X45-NFL-12, AP-LED-X45-NFL-12, TY2-LED-X45-NFL-12

LUMINAIRE: CAST METAL HOUSING WITH UNFINISHED BROWN INTERIOR FINISH, CAST METAL DRIVER HOUSING, MACHINED BLACK FINISHED CIRCUIT BOARD MOUNTING BLOCK, 1 CIRCUIT BOARD WITH ONE LED, MOLDED WHITE PLASTIC LED SURROUND, MOLDED PLASTIC REFLECTOR WITH TEXTURED SEMI-SPECULAR FINISH, CLEAR MICRO-PRISMATIC FLAT GLASS LENS IN MACHINED WHITE PAINTED METAL FRAME. LENS PRISMS IN.

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

INPUT ELECTRICAL: 120.0 VOLTS, 34.7 WATTS, 0.292 AMPS

LED DRIVER: ELDOLED ECODEIVE 561/S, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST. CLIENT STATES DRIVER PROGRAMMED FOR 1050mA OUTPUT.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE DRIVER.

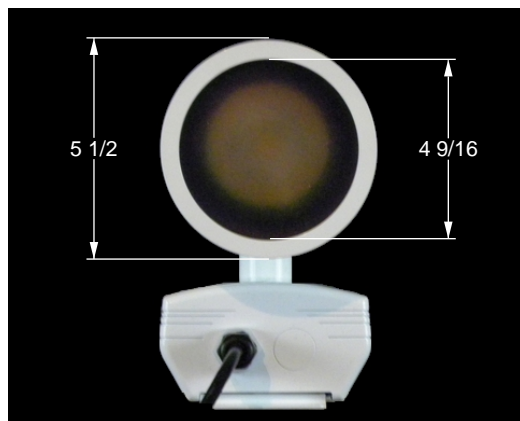
TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET

#### FLOODLIGHT CHARACTERISTICS

#### AXIAL CANDLEPOWER

IES TYPE 4H X 4V  
MAXIMUM CANDLEPOWER 5908. AT 0.0 H, 0.0 V  
HORIZONTAL BEAM ANGLE (50%) 28.5 deg  
VERTICAL BEAM ANGLE (50%) 28.8 deg  
HORIZONTAL FIELD ANGLE (10%) 61.5 deg  
VERTICAL FIELD ANGLE (10%) 62.0 deg  
BEAM LUMENS (% FIXTURE) 818. ( 39.3 % )  
FIELD LUMENS (% FIXTURE) 1799. ( 86.4 % )  
TOTAL LUMENS (% FIXTURE) 2081. (100.0 % )  
EFFICACY = 60.0 lm/W



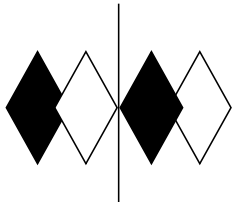
Checked ..... *B HYRE* .....

Approved ..... *R BEATTIE* .....  
Lighting Engineer

DEG	HORIZ.	DEG	VERT.
90.0	0.	90.0	0.
85.0	7.	85.0	3.
75.0	14.	75.0	9.
65.0	22.	65.0	19.
55.0	30.	55.0	34.
47.5	44.	47.5	56.
42.5	72.	42.5	101.
37.5	171.	37.5	217.
33.0	387.	33.0	464.
29.0	750.	29.0	844.
25.5	1110.	25.5	1207.
22.5	1435.	22.5	1534.
19.5	1859.	19.5	1966.
17.0	2305.	17.0	2417.
15.0	2753.	15.0	2857.
13.0	3280.	13.0	3365.
11.0	3864.	11.0	3923.
9.0	4439.	9.0	4422.
7.0	4962.	7.0	4949.
5.0	5405.	5.0	5392.
3.0	5719.	3.0	5718.
1.0	5892.	1.0	5889.
0.0	5908.	0.0	5908.
-1.0	5892.	-1.0	5889.
-3.0	5719.	-3.0	5725.
-5.0	5405.	-5.0	5424.
-7.0	4962.	-7.0	4992.
-9.0	4439.	-9.0	4454.
-11.0	3864.	-11.0	3859.
-13.0	3280.	-13.0	3271.
-15.0	2753.	-15.0	2733.
-17.0	2305.	-17.0	2264.
-19.5	1859.	-19.5	1792.
-22.5	1435.	-22.5	1373.
-25.5	1110.	-25.5	1053.
-29.0	750.	-29.0	701.
-33.0	387.	-33.0	364.
-37.5	171.	-37.5	154.
-42.5	72.	-42.5	63.
-47.5	44.	-47.5	40.
-55.0	30.	-55.0	28.
-65.0	22.	-65.0	20.
-75.0	14.	-75.0	13.
-85.0	7.	-85.0	6.
-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.



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



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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	3.	3.	4.	5.	6.	6.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	6.	5.	4.	2.	1.	0.	0.
75.0	9.	9.	10.	11.	12.	13.	14.	14.	14.	14.	14.	13.	13.	13.	13.	12.	11.	11.	9.	8.	6.	2.	0.
65.0	19.	19.	20.	20.	20.	22.	22.	22.	22.	22.	21.	21.	21.	20.	19.	18.	17.	16.	13.	11.	8.	3.	0.
55.0	34.	34.	34.	34.	34.	33.	33.	32.	32.	31.	30.	29.	28.	27.	25.	24.	22.	20.	17.	14.	10.	4.	0.
47.5	56.	56.	56.	55.	54.	52.	51.	49.	47.	45.	43.	40.	38.	35.	32.	29.	26.	23.	20.	16.	10.	5.	0.
42.5	101.	100.	100.	97.	93.	89.	85.	79.	73.	67.	61.	55.	48.	43.	38.	33.	29.	26.	22.	17.	11.	5.	0.
37.5	217.	212.	213.	208.	198.	186.	172.	159.	144.	128.	107.	89.	73.	59.	48.	39.	32.	28.	23.	18.	12.	6.	0.
33.0	464.	464.	454.	435.	404.	374.	341.	310.	275.	241.	201.	155.	120.	87.	61.	46.	36.	31.	25.	19.	12.	6.	0.
29.0	844.	843.	826.	788.	749.	701.	640.	572.	497.	421.	340.	256.	191.	131.	86.	57.	41.	33.	26.	19.	13.	6.	0.
25.5	1207.	1206.	1190.	1148.	1103.	1040.	967.	880.	782.	676.	546.	398.	285.	190.	118.	70.	46.	35.	27.	20.	13.	7.	0.
22.5	1534.	1532.	1512.	1458.	1405.	1333.	1247.	1147.	1038.	922.	762.	567.	398.	254.	152.	85.	51.	37.	27.	20.	13.	7.	0.
19.5	1966.	1956.	1922.	1842.	1760.	1656.	1537.	1411.	1282.	1155.	980.	753.	537.	335.	191.	101.	55.	38.	28.	21.	14.	7.	0.
17.0	2417.	2407.	2358.	2250.	2129.	1986.	1824.	1657.	1495.	1342.	1150.	907.	662.	408.	224.	115.	59.	40.	29.	21.	14.	7.	0.
15.0	2857.	2847.	2775.	2637.	2473.	2289.	2086.	1876.	1676.	1493.	1277.	1018.	760.	473.	253.	127.	62.	41.	29.	21.	14.	7.	0.
13.0	3365.	3356.	3266.	3083.	2873.	2634.	2377.	2117.	1866.	1645.	1390.	1117.	849.	535.	282.	138.	65.	42.	29.	21.	14.	7.	0.
11.0	3923.	3901.	3797.	3573.	3310.	3005.	2688.	2370.	2064.	1800.	1504.	1205.	925.	595.	308.	147.	67.	43.	30.	21.	14.	7.	0.
9.0	4422.	4452.	4328.	4072.	3752.	3383.	2997.	2621.	2255.	1954.	1619.	1282.	986.	643.	335.	155.	69.	43.	30.	22.	14.	7.	0.
7.0	4949.	4959.	4825.	4566.	4180.	3749.	3296.	2859.	2433.	2085.	1710.	1339.	1036.	684.	355.	161.	71.	44.	30.	22.	14.	7.	0.
5.0	5392.	5389.	5237.	4955.	4540.	4066.	3558.	3059.	2584.	2194.	1781.	1388.	1073.	718.	371.	167.	72.	44.	30.	22.	14.	7.	0.
3.0	5718.	5709.	5540.	5239.	4800.	4294.	3746.	3204.	2695.	2269.	1834.	1421.	1097.	737.	382.	171.	72.	44.	30.	22.	14.	7.	0.
1.0	5889.	5876.	5701.	5389.	4942.	4420.	3850.	3273.	2748.	2306.	1864.	1434.	1109.	747.	387.	172.	73.	44.	30.	22.	14.	7.	0.
0.0	5908.	5892.	5719.	5405.	4962.	4439.	3864.	3280.	2753.	2305.	1859.	1435.	1110.	750.	387.	171.	72.	44.	30.	22.	14.	7.	0.
-1.0	5889.	5866.	5697.	5385.	4950.	4424.	3851.	3268.	2744.	2297.	1848.	1430.	1106.	748.	386.	170.	71.	43.	30.	22.	14.	7.	0.
-3.0	5725.	5693.	5547.	5242.	4811.	4292.	3740.	3175.	2679.	2248.	1810.	1405.	1083.	732.	377.	165.	70.	43.	30.	22.	14.	7.	0.
-5.0	5424.	5372.	5239.	4951.	4539.	4049.	3534.	3012.	2553.	2152.	1744.	1359.	1053.	704.	359.	158.	68.	43.	30.	22.	14.	7.	0.
-7.0	4992.	4927.	4782.	4542.	4165.	3720.	3260.	2794.	2388.	2020.	1651.	1299.	1005.	663.	338.	150.	65.	42.	30.	22.	14.	7.	0.
-9.0	4454.	4387.	4261.	4021.	3720.	3336.	2943.	2538.	2187.	1867.	1546.	1228.	945.	613.	310.	141.	63.	41.	29.	22.	14.	7.	0.
-11.0	3859.	3800.	3693.	3491.	3244.	2930.	2602.	2267.	1974.	1705.	1435.	1144.	872.	557.	282.	130.	60.	40.	29.	21.	14.	7.	0.
-13.0	3271.	3222.	3130.	2973.	2784.	2533.	2269.	1997.	1763.	1544.	1314.	1048.	786.	493.	253.	119.	57.	39.	29.	21.	14.	7.	0.
-15.0	2733.	2698.	2627.	2506.	2343.	2165.	1960.	1746.	1566.	1386.	1187.	941.	691.	428.	222.	107.	54.	38.	28.	21.	14.	7.	0.
-17.0	2264.	2238.	2189.	2099.	1976.	1841.	1689.	1522.	1380.	1231.	1052.	824.	591.	362.	193.	96.	51.	37.	28.	21.	14.	7.	0.
-19.5	1792.	1777.	1746.	1685.	1604.	1509.	1405.	1279.	1164.	1043.	878.	665.	467.	287.	158.	83.	48.	36.	28.	21.	13.	7.	0.
-22.5	1373.	1364.	1346.	1306.	1254.	1187.	1115.	1020.	921.	809.	660.	483.	336.	211.	121.	69.	44.	34.	27.	20.	13.	7.	0.
-25.5	1053.	1045.	1028.	999.	956.	903.	840.	754.	664.	571.	455.	328.	233.	151.	92.	58.	41.	32.	26.	20.	13.	7.	0.
-29.0	701.	693.	682.	657.	622.	577.	522.	463.	399.	340.	272.	202.	147.	98.	67.	48.	37.	31.	25.	19.	13.	6.	0.
-33.0	364.	359.	352.	338.	318.	291.	264.	237.	210.	184.	150.	115.	88.	65.	50.	40.	33.	29.	24.	19.	12.	6.	0.
-37.5	154.	157.	153.	148.	141.	130.	123.	112.	101.	91.	77.	65.	55.	47.	40.	35.	30.	27.	23.	18.	12.	6.	0.
-42.5	63.	64.	64.	63.	61.	59.	57.	55.	52.	49.	46.	43.	39.	36.	33.	30.	27.	25.	22.	16.	11.	5.	0.
-47.5	40.	40.	40.	40.	39.	39.	38.	38.	37.	36.	35.	34.	32.	31.	29.	27.	25.	23.	20.	15.	10.	5.	0.
-55.0	28.	28.	28.	28.	28.	28.	28.	28.	27.	27.	26.	26.	25.	24.	23.	21.	20.	17.	13.	9.	4.	0.	0.
-65.0	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	19.	19.	18.	17.	16.	15.	13.	10.	8.	3.	0.
-75.0	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.	13.	12.	12.	12.	11.	11.	10.	9.	8.	6.	2.	0.
-85.0	6.	6.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	6.	6.	6.	6.	5.	4.	3.	2.	1.	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 = 2954. CP = 50% OF MAX  
FIELD EDGE = 591. 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	844.	843.	826.	788.	749.	701.	640.																
25.5	1207.	1206.	1190.	1148.	1103.	1040.	967.	880.	782.	676.													
22.5	1534.	1532.	1512.	1458.	1405.	1333.	1247.	1147.	1038.	922.	762.												
19.5	1966.	1956.	1922.	1842.	1760.	1656.	1537.	1411.	1282.	1155.	980.	753.											
17.0	2417.	2407.	2358.	2250.	2129.	1986.	1824.	1657.	1495.	1342.	1150.	907.	662.										
15.0	2857.	2847.	2775.	2637.	2473.	2289.	2086.	1876.	1676.	1493.	1277.	1018.	760.										
13.0	3365.	3356.	3266.	3083.	2873.	2634.	2377.	2117.	1866.	1645.	1390.	1117.	849.										
11.0	3923.	3901.	3797.	3573.	3310.	3005.	2688.	2370.	2064.	1800.	1504.	1205.	925.	595.									
9.0	4422.	4452.	4328.	4072.	3752.	3383.	2997.	2621.	2255.	1954.	1619.	1282.	986.	643.									
7.0	4949.	4959.	4825.	4566.	4180.	3749.	3296.	2859.	2433.	2085.	1710.	1339.	1036.	684.									
5.0	5392.	5389.	5237.	4955.	4540.	4066.	3558.	3059.	2584.	2194.	1781.	1388.	1073.	718.									
3.0	5718.	5709.	5540.	5239.	4800.	4294.	3746.	3204.	2695.	2269.	1834.	1421.	1097.	737.									
1.0	5889.	5876.	5701.	5389.	4942.	4420.	3850.	3273.	2748.	2306.	1864.	1434.	1109.	747.									
0.0	5908.	5892.	5719.	5405.	4962.	4439.	3864.	3280.	2753.	2305.	1859.	1435.	1110.	750.									
-1.0	5889.	5866.	5697.	5385.	4950.	4424.	3851.	3268.	2744.	2297.	1848.	1430.	1106.	748.									
-3.0	5725.	5693.	5547.	5242.	4811.	4292.	3740.	3175.	2679.	2248.	1810.	1405.	1083.	732.									
-5.0	5424.	5372.	5239.	4951.	4539.	4049.	3534.	3012.	2553.	2152.	1744.	1359.	1053.	704.									
-7.0	4992.	4927.	4782.	4542.	4165.	3720.	3260.	2794.	2388.	2020.	1651.	1299.	1005.	663.									
-9.0	4454.	4387.	4261.	4021.	3720.	3336.	2943.	2538.	2187.	1867.	1546.	1228.	945.	613.									
-11.0	3859.	3800.	3693.	3491.	3244.	2930.	2602.	2267.	1974.	1705.	1435.	1144.	872.										
-13.0	3271.	3222.	3130.	2973.	2784.	2533.	2269.	1997.	1763.	1544.	1314.	1048.	786.										
-15.0	2733.	2698.	2627.	2506.	2343.	2165.	1960.	1746.	1566.	1386.	1187.	941.	691.										
-17.0	2264.	2238.	2189.	2099.	1976.	1841.	1689.	1522.	1380.	1231.	1052.	824.	591.										
-19.5	1792.	1777.	1746.	1685.	1604.	1509.	1405.	1279.	1164.	1043.	878.	665.											
-22.5	1373.	1364.	1346.	1306.	1254.	1187.	1115.	1020.	921.	809.	660.												
-25.5	1053.	1045.	1028.	999.	956.	903.	840.	754.	664.														
-29.0	701.	693.	682.	657.	622.																		
-33.0																							
-37.5																							
-42.5																							
-47.5																							
-55.0																							
-65.0																							
-75.0																							
-85.0																							
-90.0																							

BEAM EDGE = 2954. CP = 50% OF MAX  
FIELD EDGE = 591. CP = 10% OF MAX

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## LUMEN TABULATION

### AVERAGE OF RIGHT AND LEFT SIDES

	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	1.0	
80	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	0.2	0.1	0.0	2.0	
70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	3.1	
60	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	4.4	
50	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.0	3.0	
45	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.0	4.3	
40	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.0	7.5	
35	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.7	0.5	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.1	0.0	11.0	
31	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.2	1.0	1.2	0.9	0.6	0.6	0.4	0.3	0.2	0.1	0.2	0.1	0.0	19.0	
27	2.2	2.2	2.1	2.0	1.9	1.7	1.6	1.4	1.2	1.4	1.0	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.0	21.1	
24	2.8	2.8	2.7	2.5	2.4	2.2	2.0	1.8	1.6	2.0	1.4	1.0	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.0	27.4	
21	3.6	3.5	3.4	3.2	3.0	2.8	2.5	2.3	2.0	2.5	1.9	1.3	1.1	0.6	0.4	0.2	0.1	0.1	0.1	0.0	34.5	
18	2.9	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	2.0	1.5	1.1	0.9	0.5	0.3	0.1	0.1	0.1	0.1	0.0	27.6	
16	3.5	3.4	3.2	3.0	2.8	2.5	2.2	2.0	1.7	2.2	1.7	1.3	1.0	0.5	0.3	0.1	0.1	0.1	0.1	0.0	31.6	
14	4.1	4.0	3.7	3.5	3.2	2.8	2.5	2.2	1.9	2.4	1.9	1.4	1.1	0.6	0.3	0.1	0.1	0.1	0.1	0.0	36.1	
12	4.8	4.6	4.3	4.0	3.6	3.2	2.8	2.4	2.1	2.6	2.0	1.5	1.3	0.6	0.4	0.2	0.1	0.1	0.1	0.0	40.7	
10	5.4	5.3	4.9	4.5	4.1	3.6	3.1	2.7	2.3	2.8	2.2	1.6	1.4	0.7	0.4	0.2	0.1	0.1	0.1	0.0	45.3	
8	6.0	5.9	5.5	5.1	4.5	3.9	3.4	2.9	2.4	2.9	2.3	1.7	1.5	0.7	0.4	0.2	0.1	0.1	0.1	0.0	49.6	
6	6.6	6.4	6.0	5.5	4.9	4.3	3.6	3.0	2.6	3.1	2.3	1.8	1.5	0.8	0.4	0.2	0.1	0.1	0.1	0.0	53.1	
4	7.0	6.7	6.4	5.8	5.2	4.5	3.8	3.2	2.6	3.2	2.4	1.8	1.6	0.8	0.4	0.2	0.1	0.1	0.1	0.0	55.7	
2	7.2	6.9	6.5	6.0	5.3	4.6	3.9	3.2	2.7	3.2	2.4	1.8	1.6	0.8	0.4	0.2	0.1	0.1	0.1	0.0	57.0	
0	7.1	6.9	6.5	6.0	5.3	4.6	3.9	3.2	2.7	3.2	2.4	1.8	1.6	0.8	0.4	0.2	0.1	0.1	0.1	0.0	57.0	
-2	6.9	6.7	6.4	5.8	5.2	4.5	3.8	3.2	2.6	3.1	2.4	1.8	1.6	0.8	0.4	0.2	0.1	0.1	0.1	0.0	55.5	
-4	6.5	6.4	6.0	5.5	4.9	4.2	3.6	3.0	2.5	3.0	2.3	1.7	1.5	0.7	0.4	0.2	0.1	0.1	0.1	0.0	52.7	
-6	6.0	5.8	5.5	5.0	4.5	3.9	3.3	2.8	2.4	2.8	2.2	1.7	1.4	0.7	0.4	0.1	0.1	0.1	0.1	0.0	48.8	
-8	5.3	5.2	4.9	4.5	4.0	3.5	3.0	2.6	2.2	2.7	2.1	1.6	1.3	0.6	0.3	0.1	0.1	0.1	0.1	0.0	44.2	
-10	4.6	4.5	4.2	3.9	3.5	3.1	2.7	2.3	2.0	2.5	1.9	1.4	1.2	0.6	0.3	0.1	0.1	0.1	0.1	0.0	39.2	
-12	3.9	3.8	3.6	3.4	3.0	2.7	2.4	2.1	1.8	2.3	1.8	1.3	1.1	0.5	0.3	0.1	0.1	0.1	0.1	0.0	34.3	
-14	3.3	3.2	3.0	2.8	2.6	2.3	2.1	1.8	1.6	2.0	1.6	1.1	0.9	0.5	0.3	0.1	0.1	0.1	0.1	0.0	29.6	
-16	2.7	2.7	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.8	1.4	1.0	0.8	0.4	0.2	0.1	0.1	0.1	0.1	0.0	25.4	
-18	3.2	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.8	2.3	1.7	1.2	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.0	31.2	
-21	2.5	2.5	2.4	2.3	2.1	2.0	1.8	1.6	1.4	1.7	1.2	0.8	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.0	24.2	
-24	1.9	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.0	1.2	0.8	0.6	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.0	18.0	
-27	1.7	1.7	1.6	1.5	1.4	1.2	1.1	0.9	0.8	0.9	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.2	0.1	0.0	15.6	
-31	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.0	8.6	
-35	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.0	5.7	
-40	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	0.1	0.2	0.1	0.0	3.3	
-45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.0	2.5	
-50	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.1	3.9	
-60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	2.9	
-70	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	0.2	0.1	0.0	1.9	
-80	0.0	0.0	0.0	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	0.0	0.0	1.0	
-90	118.6	115.6	109.6	101.6	92.1	81.9	71.5	61.7	52.9	64.9	49.9	37.1	32.0	17.5	11.5	6.4	4.6	6.1	3.4	1.4	0.2	1040.4

LUMEN TOTAL THIS PAGE = 1040.4



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REPORT NUMBER: ITL83571  
ISSUE DATE: 12/02/14  
PREPARED FOR: B-K LIGHTING, INC.

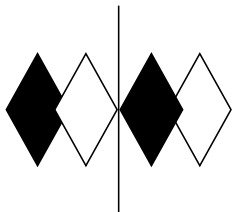
PAGE: 5 OF 7  
REVISED: 11/10/15

# 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	2.1	2.0	1.9	1.8	1.7	1.5																11.0
24	2.2	2.2	2.1	2.0	1.9	1.7	1.6	1.4	1.2													16.2
21	2.8	2.8	2.7	2.5	2.4	2.2	2.0	1.8	1.6	2.0												22.9
18	3.6	3.5	3.4	3.2	3.0	2.8	2.5	2.3	2.0	2.5	1.9											30.6
16	2.9	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	2.0	1.5	1.1										25.6
14	3.5	3.4	3.2	3.0	2.8	2.5	2.2	2.0	1.7	2.2	1.7	1.3										29.4
12	4.1	4.0	3.7	3.5	3.2	2.8	2.5	2.2	1.9	2.4	1.9	1.4										33.6
10	4.8	4.6	4.3	4.0	3.6	3.2	2.8	2.4	2.1	2.6	2.0	1.5	1.3									39.3
8	5.4	5.3	4.9	4.5	4.1	3.6	3.1	2.7	2.3	2.8	2.2	1.6	1.4									43.8
6	6.0	5.9	5.5	5.1	4.5	3.9	3.4	2.9	2.4	2.9	2.3	1.7	1.5									48.0
4	6.6	6.4	6.0	5.5	4.9	4.3	3.6	3.0	2.6	3.1	2.3	1.8	1.5									51.5
2	7.0	6.7	6.4	5.8	5.2	4.5	3.8	3.2	2.6	3.2	2.4	1.8	1.6									54.1
0	7.2	6.9	6.5	6.0	5.3	4.6	3.9	3.2	2.7	3.2	2.4	1.8	1.6									55.4
-2	7.1	6.9	6.5	6.0	5.3	4.6	3.9	3.2	2.7	3.2	2.4	1.8	1.6									55.3
-4	6.9	6.7	6.4	5.8	5.2	4.5	3.8	3.2	2.6	3.1	2.4	1.8	1.6									53.9
-6	6.5	6.4	6.0	5.5	4.9	4.2	3.6	3.0	2.5	3.0	2.3	1.7	1.5									51.1
-8	6.0	5.8	5.5	5.0	4.5	3.9	3.3	2.8	2.4	2.8	2.2	1.7	1.4									47.3
-10	5.3	5.2	4.9	4.5	4.0	3.5	3.0	2.6	2.2	2.7	2.1	1.6	1.3									42.8
-12	4.6	4.5	4.2	3.9	3.5	3.1	2.7	2.3	2.0	2.5	1.9	1.4										36.8
-14	3.9	3.8	3.6	3.4	3.0	2.7	2.4	2.1	1.8	2.3	1.8	1.3										32.0
-16	3.3	3.2	3.0	2.8	2.6	2.3	2.1	1.8	1.6	2.0	1.6	1.1										27.6
-18	2.7	2.7	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.8	1.4	1.0										23.6
-21	3.2	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.8	2.3	1.7											27.8
-24	2.5	2.5	2.4	2.3	2.1	2.0	1.8	1.6	1.4	1.7												20.3
-27	1.9	1.9	1.8	1.7	1.6	1.5	1.3	1.2														13.0
-31	1.7	1.7	1.6	1.5																		6.4
-35																						0.0
-40																						0.0
-45																						0.0
-50																						0.0
-60																						0.0
-70																						0.0
-80																						0.0
-90																						0.0
	113.9	110.9	105.0	97.2	86.6	76.8	65.4	56.3	47.1	56.2	40.4	27.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	899.4

LUMEN TOTAL THIS PAGE = 899.4



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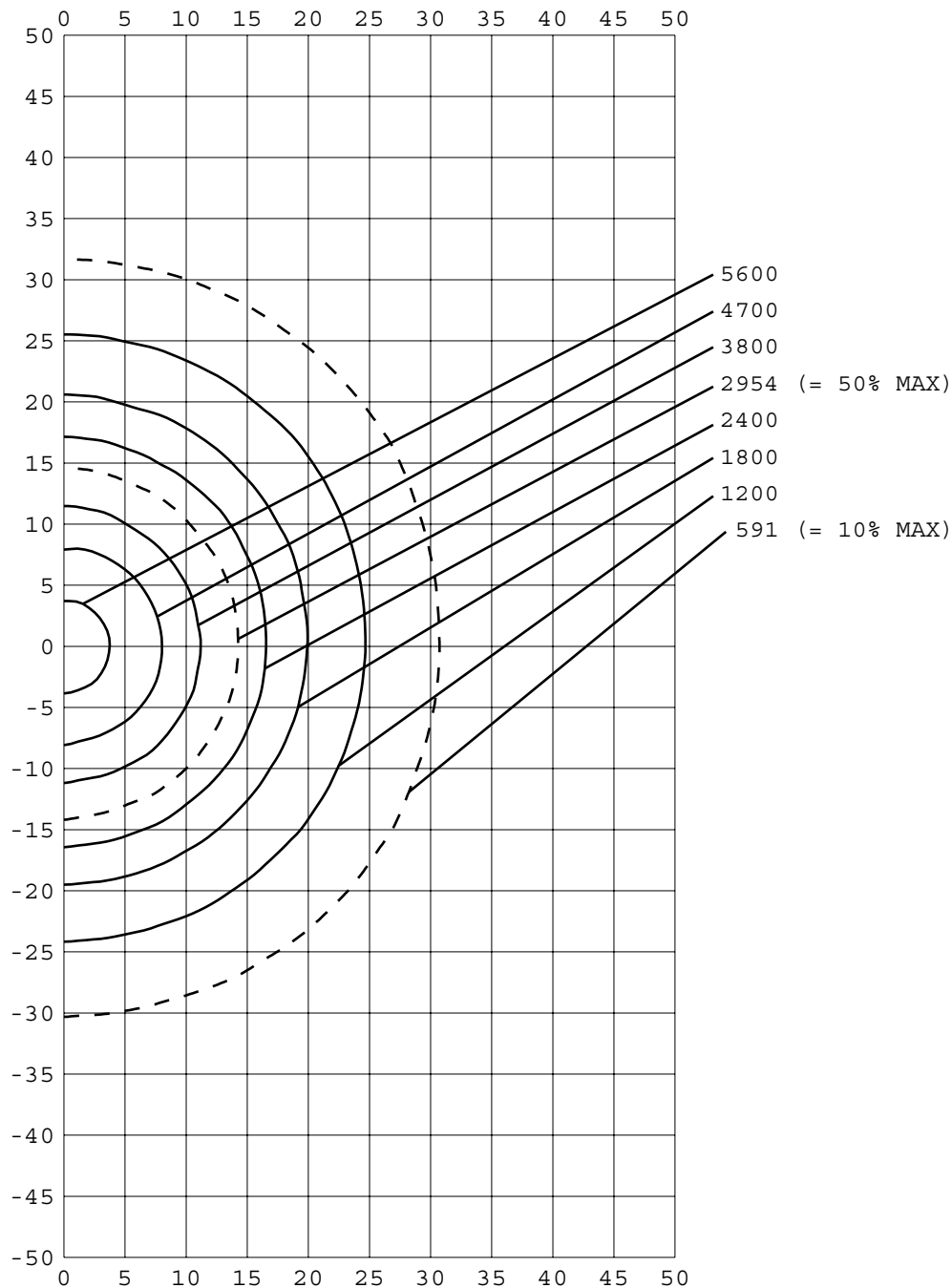
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PAGE: 6 OF 7  
REVISED: 11/10/15

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