

PHOTOMETRIC DATA



23" x 23" Floodlight Wired



JFL1000MHQV-PK

Luminaire: Cast aluminum housing, Semi-Specular and Specular formed aluminum reflector, clear glass enclosure.

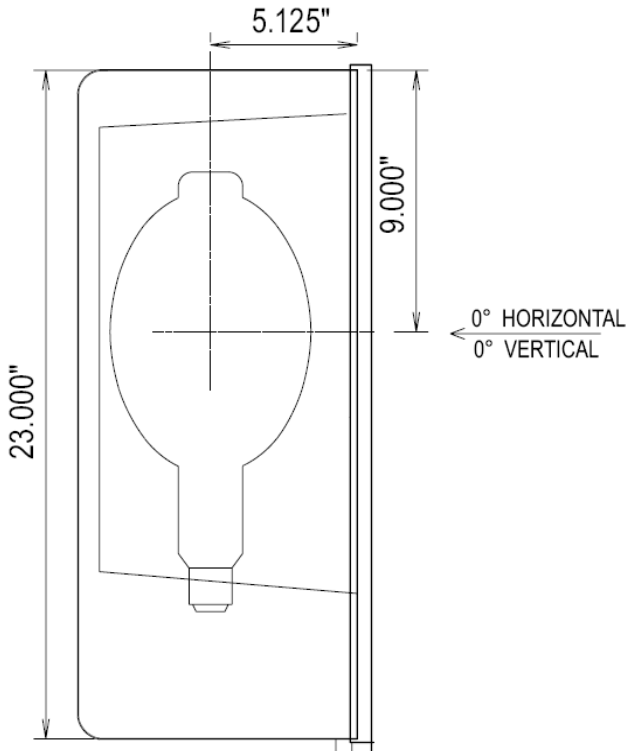
Lamps: One 1000 Watt BT56 Clear Metal Halide Rated at 110,000 Lumens

FLOODLIGHT CHARACTERISTICS

IES TYPE: 6H X 7V
MAXIMUM CANDELA: 40784 at 5.0 Deg H; -15.0 Deg V
BEAM SPREAD: 70.4 Deg Horiz
FIELD SPREAD: 128.6 Deg Horiz (at 50% Max CD)
 87.7 Deg Vert (at 10% Max CD)
 136.9 Deg Vert

BEAM LUMENS: 41479	FIELD LUMENS: 75446	TOTAL LUMENS: 77308
Efficiency: 37.7%	Efficiency: 68.6%	Efficiency: 70.3%

FLOODLIGHT SKETCH



AXIAL CANDELA

Deg H	Candela	Deg V	Candela
85.0	0.	85.0	0.
75.0	325.	75.0	1383.
65.0	3424.	65.0	6197.
55.0	12527.	55.0	13817.
45.0	16556.	45.0	18963.
35.0	20459.	35.0	30879.
25.0	24628.	25.0	38379.
15.0	32315.	15.0	38259.
5.0	39303.	5.0	38472.
0.0	38831.	0.0	38831.
		-5.0	39097.
		-15.0	40733.
		-25.0	40374.
		-35.0	29363.
		-45.0	19163.
		-55.0	16370.
		-65.0	4401.
		-75.0	492.
		-85.0	13.

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CANDELA TABULATION AVERAGE OF LEFT & RIGHT SIDES

	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
85.0	0.	66.	119.	152.	217.	125.	83.	68.	5.	0.
75.0	1383.	1429.	2428.	1124.	442.	288.	286.	201.	5.	0.
65.0	6197.	6430.	5120.	5049.	4518.	921.	658.	383.	0.	0.
55.0	13817.	13492.	12478.	10838.	10638.	5048.	1948.	553.	0.	0.
45.0	18963.	19146.	17595.	15063.	12868.	11090.	4618.	1330.	205.	0.
35.0	30879.	31247.	26629.	20147.	16465.	13894.	7300.	1693.	250.	0.
25.0	38379.	38413.	31029.	23070.	18978.	15077.	10580.	2415.	102.	0.
15.0	38259.	38601.	31821.	24200.	19933.	16039.	11870.	3056.	238.	0.
5.0	38472.	39207.	32188.	24466.	20325.	16480.	12412.	3340.	303.	0.
0.0	38831.	39303.	32315.	24628.	20459.	16556.	12527.	3424.	325.	0.
-5.0	39097.	39359.	32381.	24712.	20477.	16466.	12472.	3320.	316.	0.
-15.0	40733.	40784.	33021.	24732.	20167.	15989.	11902.	2943.	260.	0.
-25.0	40374.	40407.	33026.	24055.	18964.	14820.	10429.	2180.	148.	0.
-35.0	29363.	29060.	25624.	20301.	16125.	13564.	6651.	1377.	24.	0.
-45.0	19163.	19080.	17287.	14784.	12607.	10960.	3913.	1016.	209.	0.
-55.0	16370.	16251.	15973.	13836.	14820.	6599.	1610.	354.	0.	0.
-65.0	4401.	3974.	5425.	5004.	4843.	1038.	583.	212.	0.	0.
-75.0	492.	396.	1021.	864.	451.	269.	184.	0.	0.	0.
-85.0	13.	46.	86.	123.	150.	52.	9.	0.	0.	0.

FIELD EDGE = 4078. Candela = 10% of Max CD

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LUMEN TABULATION AVERAGE OF LEFT & RIGHT SIDES

	0	10	20	30	40	50	60	70	80	90	TOTAL
90		2.	3.	4.	5.	3.	1.	1.	0.	0.	20.
80		43.	71.	31.	11.	6.	5.	3.	0.	0.	170.
70		195.	150.	139.	113.	20.	11.	5.	0.	0.	633.
60		409.	367.	299.	265.	109.	34.	7.	0.	0.	1489.
50		580.	517.	415.	321.	239.	81.	17.	2.	0.	2171.
40		947.	783.	556.	410.	299.	127.	22.	2.	0.	3145.
30		1164.	912.	636.	473.	324.	185.	31.	1.	0.	3726.
20		1170.	935.	667.	497.	345.	207.	39.	2.	0.	3862.
10		1188.	946.	675.	507.	355.	217.	43.	2.	0.	3932.
0		1193.	952.	681.	510.	354.	218.	43.	2.	0.	3953.
-10		1236.	970.	682.	503.	344.	208.	38.	2.	0.	3982.
-20		1225.	971.	663.	473.	319.	182.	28.	1.	0.	3861.
-30		881.	753.	560.	402.	292.	116.	18.	0.	0.	3021.
-40		578.	508.	408.	314.	236.	68.	13.	2.	0.	2127.
-50		493.	469.	381.	369.	142.	28.	5.	0.	0.	1887.
-60		120.	159.	138.	121.	22.	10.	3.	0.	0.	574.
-70		12.	30.	24.	11.	6.	3.	0.	0.	0.	86.
-80		1.	3.	3.	4.	1.	0.	0.	0.	0.	12.
-90		11438.	9499.	6963.	5308.	3414.	1702.	314.	16.	0.	38654.

1/2 LUMEN TOTAL = 38654.

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LUMEN TABULATION—FIELD ONLY AVERAGE OF LEFT & RIGHT SIDES

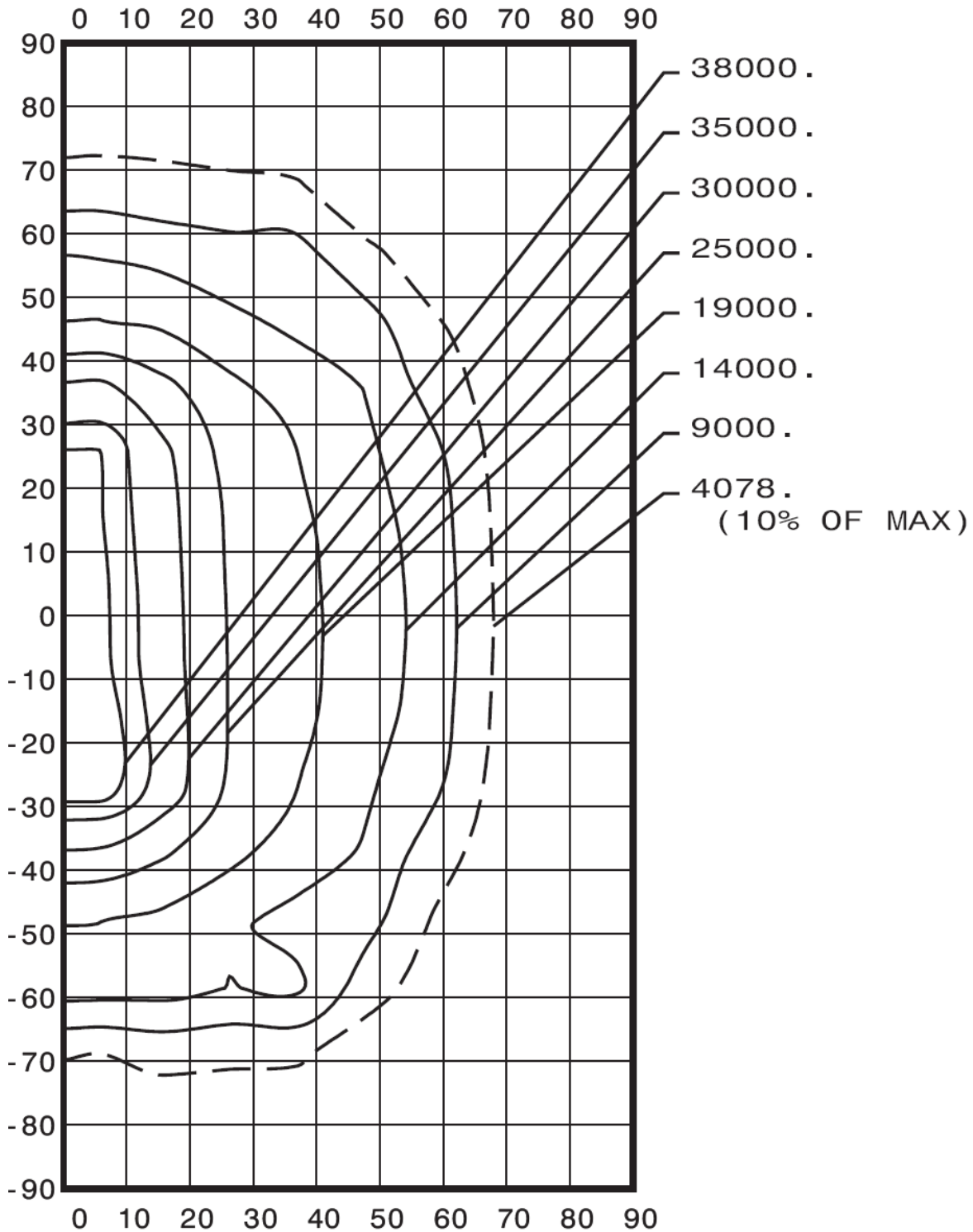
	0	10	20	30	40	50	60	70	80	90	TOTAL
90											0.
80											0.
70											597.
60	195.	150.	139.	113.							1448.
50	409.	367.	299.	265.	109.						2152.
40	580.	517.	415.	321.	239.	81.					3122.
30	947.	783.	556.	410.	299.	127.					3694.
20	1164.	912.	636.	473.	324.	185.					3821.
10	1170.	935.	667.	497.	345.	207.					3886.
0	1188.	946.	675.	507.	355.	217.					3908.
-10	1193.	952.	681.	510.	354.	218.					3943.
-20	1236.	970.	682.	503.	344.	208.					3832.
-30	1225.	971.	663.	473.	319.	182.					3003.
-40	881.	753.	560.	402.	292.	116.					2044.
-50	578.	508.	408.	314.	236.						1855.
-60	493.	469.	381.	369.	142.						418.
-70		159.	138.	121.							0.
-80											0.
-90	11258.	9392.	6900.	5276.	3356.	1540.	0.	0.	0.		37723.

1/2 LUMEN TOTAL = 37723.

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ISOCANDELA CURVES AVERAGE OF LEFT & RIGHT SIDES



PHOTOMETRIC DATA

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AXIAL CANDELA PLOTS

