

**PHOTOMETRICS**

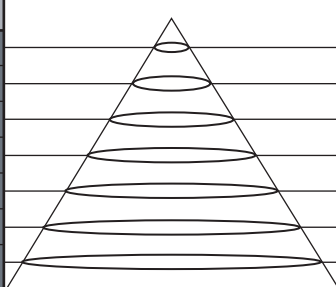
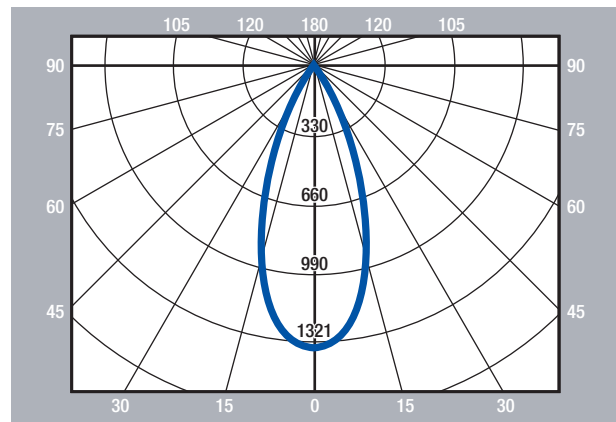
# ORBIT

 SERIES

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
2"	OB200	700 LM	8.5 W/120V	3K, 4K & 5K	80+	50,000 HOURS

**OB200 FOOTCANDLE DIAGRAM**

MOUNTING HEIGHT (FEET/METERS)	FOOTCANDLES AT NADIR	DIAMETER (FEET/METERS)
4.00' / 1.22m	58.12	3.33' / 1.01m
6.00' / 1.83m	25.83	5' / 1.52m
8.00' / 2.44m	14.53	6.66' / 2.03m
10.0' / 3.05m	9.3	8.33' / 2.54m
12.0' / 3.66m	6.46	9.99' / 3.04m
14.0' / 4.27m	4.74	11.66' / 3.55m
16.0' / 4.88m	3.63	13.32' / 4.06m


**OB200 DISTRIBUTION CURVE (cd/klm)**

**OB200 AVERAGE LUMINANCE (cd/m<sup>2</sup>)**

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0	45	90
0	1183572.0	1183572.0	1183572.0
45	150734.1	151499.0	148574.3
55	85091.4	84814.1	84758.6
65	48784.1	46299.7	41858.0
75	22619.0	19299.9	19668.7
85	8761.3	0.0	0.0

**OB200 ZONAL LUMEN SUMMARY**

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-30	456.5	64.81
0-40	580.8	82.45
0-60	683.4	97.02
0-90	704.4	100
90-180	0	0

**OB200 COEFFICIENTS OF UTILIZATION**

CEILING CAVITY REFLECTANCE	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
WALL REFLECTANCE																		
ROOM CAVITY RATIO (RCR)	EFFECTIVE FLOOR CAVITY REFLECTANCE 20% ** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **																	
0	1190	1190	1190	1190	1160	1160	1160	1160	1110	1110	1110	1060	1060	1060	1020	1020	1020	1000
1	1130	1100	1070	1050	1100	1080	1050	1030	1040	1020	1000	1000	980	970	970	950	940	920
2	1070	1010	970	930	1050	1000	960	920	960	930	900	930	910	880	910	880	870	850
3	1010	940	890	840	990	930	880	840	900	860	820	870	840	810	850	820	800	780
4	950	870	810	770	930	860	810	760	840	790	750	820	780	740	800	760	740	720
5	900	810	750	700	890	800	750	700	790	730	700	770	720	690	750	710	680	670
6	860	760	700	650	840	750	690	650	740	680	640	720	680	640	710	670	640	620
7	810	710	650	610	800	710	650	600	690	640	600	680	630	600	670	630	590	580
8	770	670	610	570	760	670	610	560	650	600	560	640	600	560	630	590	560	540
9	730	630	570	530	720	630	570	530	620	570	530	610	560	530	600	560	520	510
10	700	600	540	500	690	600	540	500	590	530	500	580	530	500	570	530	490	480