

**REPORT NUMBER:** ITL91853-GONIOPHOTOMETRY

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**ISSUE DATE:** 05/30/19

**PREPARED FOR:** LITELAB CORPORATION

**CATALOG NUMBER:** C7-L1800-A-9230-PZ

DEG	CANDELA	LUMENS
0	23322	
5	16425	1121
15	677	281
25	94	49
35	22	14
45	4	4
55	1	1
65	0	0
75	0	0
85	0	0
90	0	0

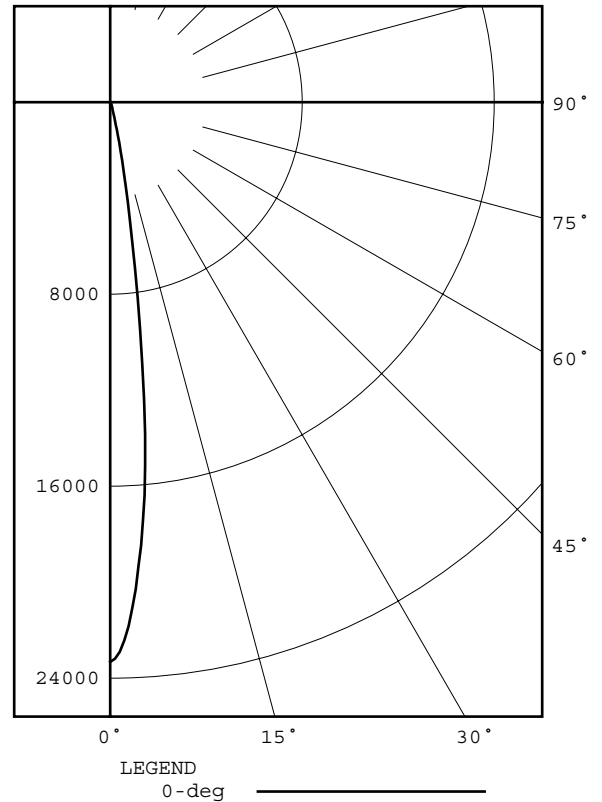
**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%FIXT
0- 30	1451	98.7
0- 40	1465	99.6
0- 60	1470	100.0
0- 90	1470	100.0
90-180	0	0.0
0-180	1470	100.0

EFFICACY = 67.4 lm/W  
 CIE TYPE - DIRECT  
 SPACING CRITERION: 0.22  
 BEAM ANGLE (50%) : 13.5 DEGREES  
 FIELD ANGLE (10%) : 23.4 DEGREES  
 LUMINOUS DIAMETER: 2.875

**LUMINANCE DATA IN CANDELA/SQ M**  
**ANGLE AVERAGE**  
**IN DEG**

45	1351.
55	416.
65	0.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.  
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CANDELA DISTRIBUTION

0.0	23322	82.5	0
0.5	23193	85.0	0
1.0	22909	87.5	0
1.5	22425	90.0	0
2.0	21851		
2.5	21082		
3.0	20307		
3.5	19372		
4.0	18513		
4.5	17454		
5.0	16425		
5.5	15198		
6.0	13910		
6.5	12453		
7.0	10964		
7.5	9535		
8.0	8210		
8.5	6995		
9.0	5925		
9.5	5005		
10.0	4211		
10.5	3536		
11.0	2979		
11.5	2486		
12.0	2087		
12.5	1722		
13.0	1434		
13.5	1175		
14.0	981		
14.5	804		
15.0	677		
16.0	488		
17.0	379		
18.0	311		
19.0	263		
20.0	225		
22.5	149		
25.0	94		
27.5	63		
30.0	45		
32.5	33		
35.0	22		
37.5	12		
40.0	9		
42.5	6		
45.0	4		
47.5	3		
50.0	3		
52.5	2		
55.0	1		
57.5	1		
60.0	1		
62.5	1		
65.0	0		
67.5	0		
70.0	0		
72.5	0		
75.0	0		
77.5	0		
80.0	0		



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Table with 3 columns: Angle Range, ZONAL LUMEN, SUMMARY. Rows include 5-DEGREE ZONAL LUMEN SUMMARY with values ranging from 467 to 0.

Table with 3 columns: Angle Range, ZONAL LUMEN, SUMMARY. Rows include 10-DEGREE ZONAL LUMEN SUMMARY with values ranging from 1121 to 1470.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100
1	116	114	113	112	114	112	111	110	108	107	107	108	105	104	103	101	101	101	99
2	114	111	109	107	112	109	107	105	106	105	103	103	102	101	101	101	100	99	98
3	111	108	105	103	110	107	104	102	104	102	101	102	101	99	100	99	98	98	97
4	109	105	103	100	108	104	102	100	103	101	99	101	99	98	100	98	96	99	96
5	108	103	101	98	106	103	100	98	101	99	97	100	98	96	100	97	96	99	95
6	106	102	99	97	105	101	98	96	100	98	96	100	97	95	99	96	95	98	94
7	104	100	97	95	104	100	97	95	99	96	95	98	96	94	98	95	94	97	93
8	103	99	96	94	102	98	96	94	98	95	94	97	95	93	96	94	93	96	92
9	102	98	95	93	101	97	95	93	97	94	93	96	94	93	95	94	92	95	92
10	101	97	94	92	100	96	94	92	96	93	92	95	93	92	95	93	92	95	91

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

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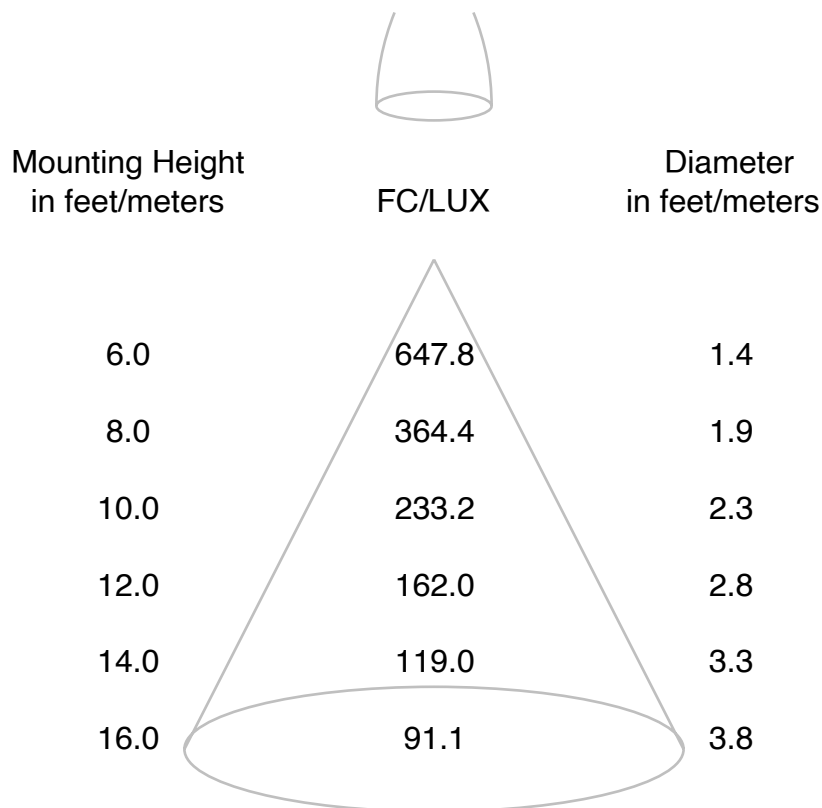
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## CONE OF LIGHT DIAGRAM

(diameter shown is where fc/lux value is half the fc/lux at nadir)



If distances are feet, results are footcandles.  
If distances are meters, results are lux.