

**REPORT NUMBER:** ITL91855-GONIOPHOTOMETRY

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**ISSUE DATE:** 05/31/19

**PREPARED FOR:** LITELAB CORPORATION

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

DEG	CANDELA	LUMENS
0	11495	
5	7407	564
15	1214	327
25	70	35
35	25	15
45	8	6
55	5	4
65	2	2
75	0	0
85	0	0
90	0	

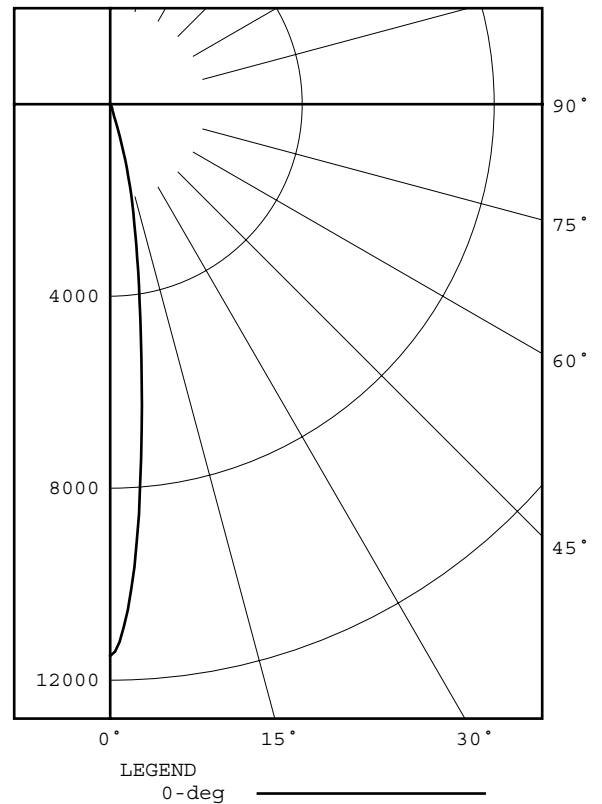
**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%FIXT
0- 30	926	97.1
0- 40	941	98.7
0- 60	952	99.8
0- 90	954	100.0
90-180	0	0.0
0-180	954	100.0

EFFICACY = 43.8 lm/W  
 CIE TYPE - DIRECT  
 SPACING CRITERION: 0.23  
 BEAM ANGLE (50%) : 13.1 DEGREES  
 FIELD ANGLE (10%) : 30.4 DEGREES  
 LUMINOUS DIAMETER: 2.875

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

45	2701.
55	2081.
65	1130.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.  
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CANDELA DISTRIBUTION

0.0	11495	82.5	0
0.5	11405	85.0	0
1.0	11210	87.5	0
1.5	10895	90.0	0
2.0	10547		
2.5	10107		
3.0	9652		
3.5	9095		
4.0	8570		
4.5	7963		
5.0	7407		
5.5	6821		
6.0	6304		
6.5	5786		
7.0	5331		
7.5	4891		
8.0	4505		
8.5	4142		
9.0	3823		
9.5	3520		
10.0	3245		
10.5	2984		
11.0	2746		
11.5	2521		
12.0	2320		
12.5	2120		
13.0	1941		
13.5	1754		
14.0	1571		
14.5	1389		
15.0	1214		
16.0	870		
17.0	531		
18.0	275		
19.0	167		
20.0	138		
22.5	102		
25.0	70		
27.5	51		
30.0	39		
32.5	31		
35.0	25		
37.5	17		
40.0	12		
42.5	9		
45.0	8		
47.5	7		
50.0	7		
52.5	6		
55.0	5		
57.5	3		
60.0	3		
62.5	2		
65.0	2		
67.5	1		
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 0-5 (220), 5-10 (345), 10-15 (248), 15-20 (79), 20-25 (21), 25-30 (13), 30-35 (9), 35-40 (6), 40-45 (4), 45-50 (3), 50-55 (3), 55-60 (2), 60-65 (1), 65-70 (1), 70-75 (0), 75-80 (0), 80-85 (0), 85-90 (0).

Table with 3 columns: Angle Range, ZONAL LUMEN, SUMMARY. Rows include 0-10 (564), 0-20 (892), 0-30 (926), 0-40 (941), 0-50 (948), 0-60 (952), 0-70 (954), 0-80 (954), 0-90 (954).



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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	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	99	100	98	97	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	94
4	107	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93
5	105	100	97	95	104	100	97	94	98	96	94	97	94	93	95	94	92	91
6	103	98	95	92	102	98	94	92	96	94	92	95	93	91	94	92	90	90
7	101	96	93	90	100	96	92	90	95	92	90	94	91	89	93	91	89	88
8	99	94	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87
9	98	93	89	87	97	92	89	87	92	89	87	91	88	87	90	88	86	86
10	96	91	88	86	96	91	88	86	90	87	86	90	87	85	89	87	85	85

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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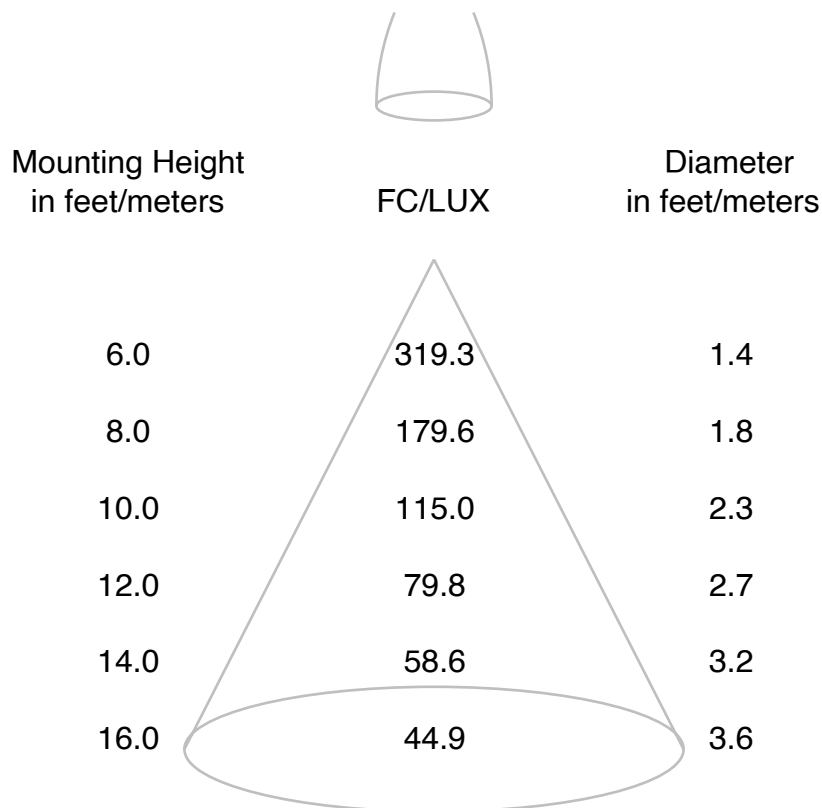
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## CONE OF LIGHT DIAGRAM

(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.