

REPORT NUMBER: ITL91854-GONIOPHOTOMETRY
ISSUE DATE: 05/30/19
PREPARED FOR: LITELAB CORPORATION
CATALOG NUMBER: C7-L1800-A-9230-PZ

PAGE: 2 OF 6

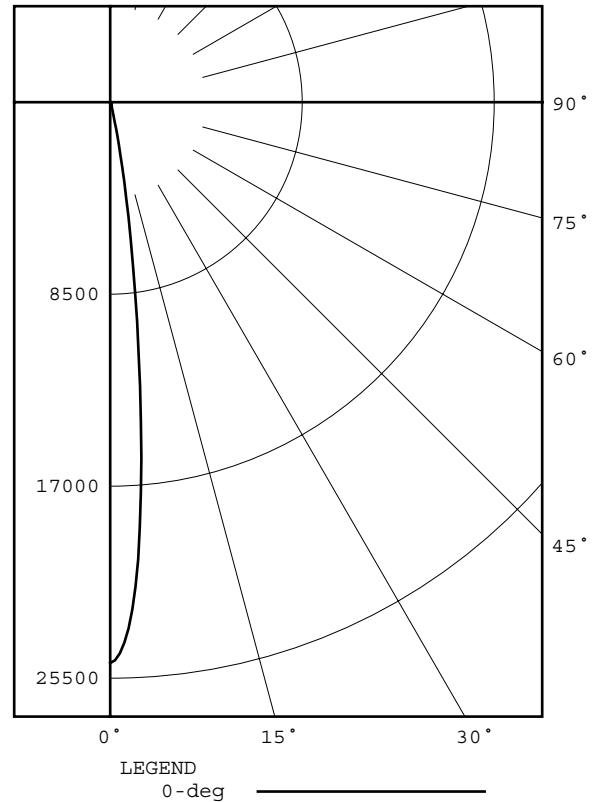
DEG	CANDELA	LUMENS
0	24831	
5	15820	1069
15	459	208
25	76	39
35	22	14
45	5	4
55	2	2
65	1	1
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1316	98.5
0- 40	1330	99.5
0- 60	1336	100.0
0- 90	1337	100.0
90-180	0	0.0
0-180	1337	100.0

EFFICACY = 61.3 lm/W
 CIE TYPE - DIRECT
 SPACING CRITERION: 0.21
 BEAM ANGLE (50%) : 12.1 DEGREES
 FIELD ANGLE (10%) : 21.8 DEGREES
 LUMINOUS DIAMETER: 2.875

LUMINANCE DATA IN CANDELA/SQ M

ANGLE	AVERAGE
45	1688.
55	833.
65	565.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

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CANDELA DISTRIBUTION

0.0	24831	82.5	0
0.5	24715	85.0	0
1.0	24405	87.5	0
1.5	23943	90.0	0
2.0	23301		
2.5	22477		
3.0	21468		
3.5	20278		
4.0	18846		
4.5	17336		
5.0	15820		
5.5	14187		
6.0	12639		
6.5	11090		
7.0	9773		
7.5	8441		
8.0	7247		
8.5	6163		
9.0	5173		
9.5	4312		
10.0	3585		
10.5	2906		
11.0	2370		
11.5	1882		
12.0	1516		
12.5	1186		
13.0	969		
13.5	779		
14.0	648		
14.5	536		
15.0	459		
16.0	346		
17.0	277		
18.0	230		
19.0	195		
20.0	167		
22.5	117		
25.0	76		
27.5	54		
30.0	40		
32.5	31		
35.0	22		
37.5	13		
40.0	9		
42.5	7		
45.0	5		
47.5	4		
50.0	4		
52.5	3		
55.0	2		
57.5	1		
60.0	1		
62.5	1		
65.0	1		
67.5	0		
70.0	0		
72.5	0		
75.0	0		
77.5	0		
80.0	0		



NVLAP LAB CODE: 200925-0

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PAGE: 4 OF 6

Table with 3 columns: Angle Range, Zonal Lumen, Summary. Rows include 5-DEGREE ZONAL LUMEN SUMMARY with values ranging from 483 down to 0.

Table with 3 columns: Angle Range, Zonal Lumen, Summary. Rows include 10-DEGREE ZONAL LUMEN SUMMARY with values ranging from 1069 down to 0.



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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	115	113	112	114	112	111	111	109	108	107	105	105	104	104	102	101	101	99
2	114	111	109	107	112	109	107	106	106	105	104	104	104	102	101	101	100	99	98
3	112	108	106	104	110	107	105	103	105	103	101	102	102	101	100	100	99	98	97
4	110	106	103	101	108	105	102	100	103	101	99	101	101	100	98	100	98	97	96
5	108	104	101	99	107	103	101	99	102	100	98	100	98	97	100	98	96	95	95
6	106	102	99	97	105	102	99	97	100	98	97	100	98	96	99	97	95	94	94
7	105	101	98	96	104	100	98	96	99	97	96	98	97	95	98	96	95	94	94
8	104	100	97	95	103	99	97	95	98	96	95	98	96	94	97	95	94	93	93
9	103	99	96	94	102	98	96	94	98	95	94	97	95	94	96	95	93	93	93
10	102	98	95	93	101	97	95	93	97	95	93	96	94	93	96	94	93	92	92

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.

REPORT NUMBER: ITL91854-GONIOPHOTOMETRY

PAGE: 6 OF 6

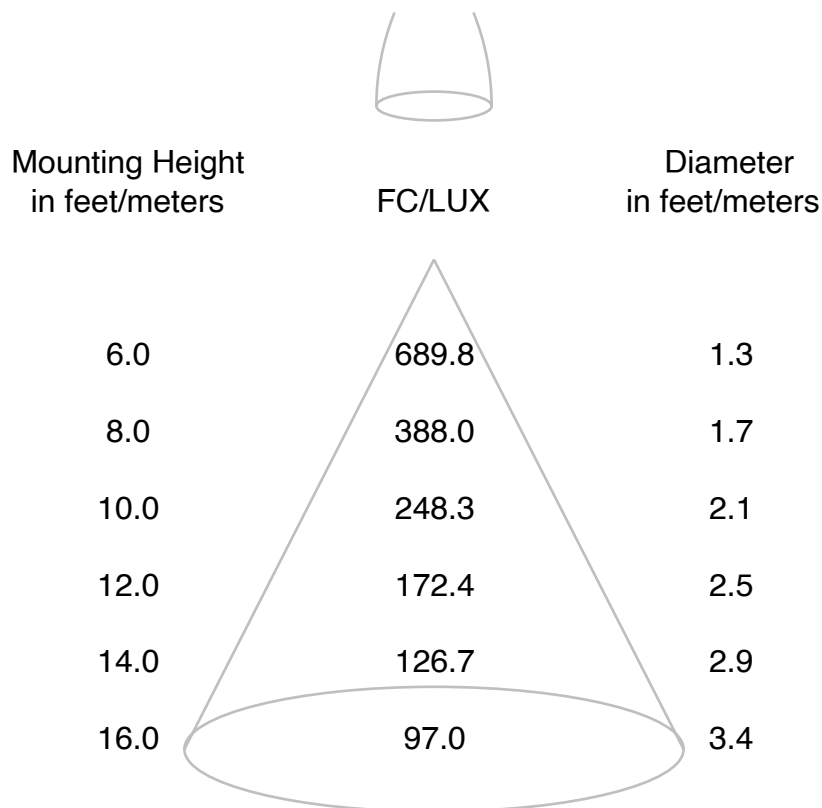
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CONE OF LIGHT DIAGRAM

(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.