

REPORT NUMBER: ITL91849-GONIOPHOTOMETRY

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ISSUE DATE: 05/28/19

PREPARED FOR: LITELAB CORPORATION

CATALOG NUMBER: A77-L1800-A-9230-P10

DEG	CANDELA	LUMENS
0	37719	
5	19377	1191
15	534	172
25	98	52
35	31	19
45	7	6
55	2	2
65	1	1
75	0	0
85	0	0
90	0	

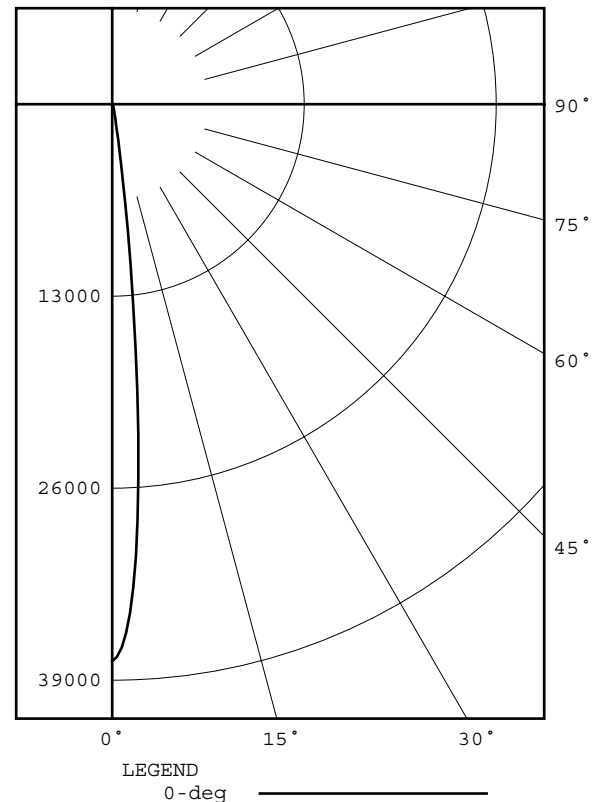
ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1415	98.1
0- 40	1434	99.4
0- 60	1441	100.0
0- 90	1442	100.0
90-180	0	0.0
0-180	1442	100.0

EFFICACY = 66.1 lm/W
 CIE TYPE - DIRECT
 SPACING CRITERION: 0.17
 BEAM ANGLE (50%) : 10.2 DEGREES
 FIELD ANGLE (10%) : 17.3 DEGREES
 LUMINOUS DIAMETER: 2.875

LUMINANCE DATA IN CANDELA/SQ M
ANGLE AVERAGE
IN DEG

45	2364.
55	833.
65	565.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

0.0	37719	82.5	0
0.5	37420	85.0	0
1.0	36779	87.5	0
1.5	35815	90.0	0
2.0	34447		
2.5	32743		
3.0	30668		
3.5	28195		
4.0	25424		
4.5	22452		
5.0	19377		
5.5	16406		
6.0	13456		
6.5	10936		
7.0	8676		
7.5	6779		
8.0	5242		
8.5	4044		
9.0	3133		
9.5	2488		
10.0	1991		
10.5	1631		
11.0	1360		
11.5	1163		
12.0	1006		
12.5	886		
13.0	789		
13.5	710		
14.0	644		
14.5	586		
15.0	534		
16.0	445		
17.0	375		
18.0	319		
19.0	273		
20.0	234		
22.5	158		
25.0	98		
27.5	68		
30.0	51		
32.5	40		
35.0	31		
37.5	19		
40.0	13		
42.5	9		
45.0	7		
47.5	5		
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		



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5-DEGREE ZONAL LUMEN SUMMARY		
0- 5		673
5- 10		518
10- 15		114
15- 20		58
20- 25		34
25- 30		18
30- 35		12
35- 40		7
40- 45		4
45- 50		2
50- 55		1
55- 60		1
60- 65		0
65- 70		0
70- 75		0
75- 80		0
80- 85		0
85- 90		0

10-DEGREE ZONAL LUMEN SUMMARY		
0- 10		1191
0- 20		1363
0- 30		1415
0- 40		1434
0- 50		1439
0- 60		1441
0- 70		1442
0- 80		1442
0- 90		1442



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

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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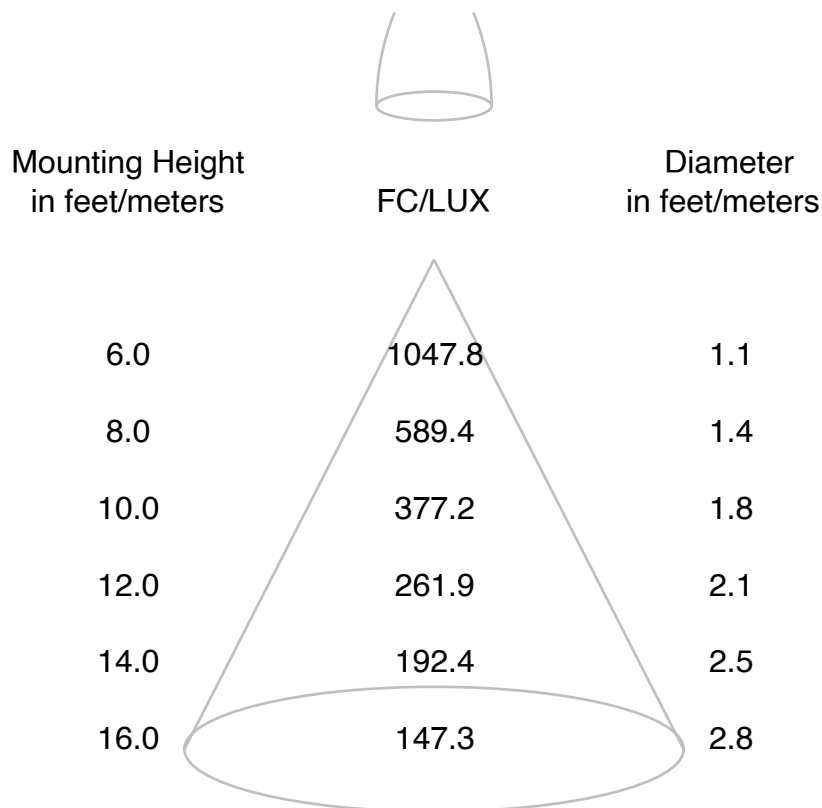
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CONE OF LIGHT DIAGRAM

(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.