

REPORT NUMBER: ITL90149-GONIOPHOTOMETRY

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ISSUE DATE: 01/22/18

PREPARED FOR: LITELAB CORPORATION

CATALOG NUMBER: A75-L1800-9230-735-A-DY-P

DEG	CANDELA	LUMENS
0	19697	
5	12177	872
15	434	218
25	75	36
35	29	19
45	10	9
55	5	5
65	1	1
75	1	1
85	0	0
90	0	

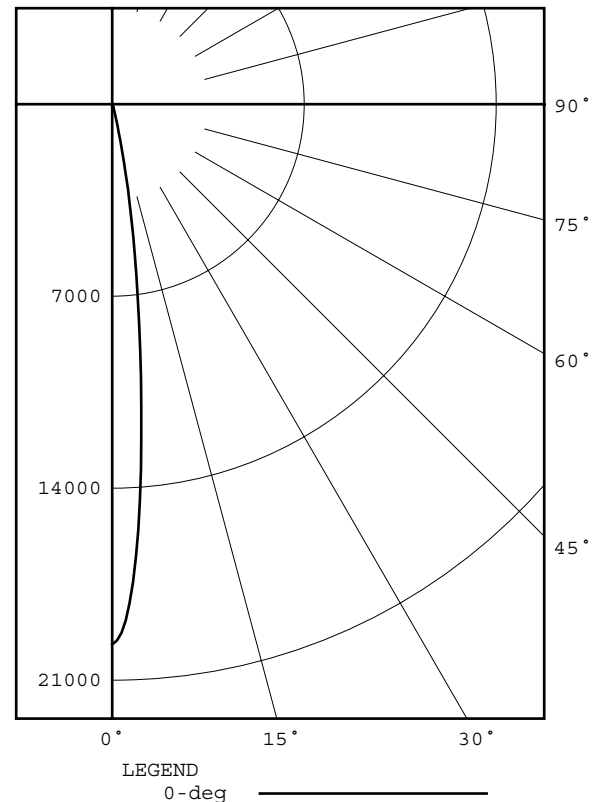
ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1127	97.0
0- 40	1145	98.6
0- 60	1159	99.7
0- 90	1162	100.0
90-180	0	0.0
0-180	1162	100.0

EFFICACY = 52.8 lm/W
 CIE TYPE - DIRECT
 SPACING CRITERION: 0.21
 BEAM ANGLE (50%) : 12.2 DEGREES
 FIELD ANGLE (10%) : 23.4 DEGREES
 LUMINOUS DIAMETER: 2.875

LUMINANCE DATA IN CANDELA/SQ M
ANGLE AVERAGE
IN DEG

45	3377.
55	2081.
65	565.
75	923.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

0.0	19697	82.5	1
0.5	19554	85.0	0
1.0	19274	87.5	0
1.5	18823	90.0	0
2.0	18205		
2.5	17449		
3.0	16534		
3.5	15539		
4.0	14458		
4.5	13332		
5.0	12177		
5.5	11082		
6.0	10028		
6.5	9025		
7.0	8060		
7.5	7169		
8.0	6345		
8.5	5582		
9.0	4885		
9.5	4249		
10.0	3654		
10.5	3121		
11.0	2621		
11.5	2155		
12.0	1739		
12.5	1389		
13.0	1095		
13.5	861		
14.0	675		
14.5	536		
15.0	434		
16.0	305		
17.0	236		
18.0	194		
19.0	165		
20.0	144		
22.5	104		
25.0	75		
27.5	53		
30.0	42		
32.5	34		
35.0	29		
37.5	25		
40.0	21		
42.5	15		
45.0	10		
47.5	8		
50.0	7		
52.5	6		
55.0	5		
57.5	5		
60.0	3		
62.5	2		
65.0	1		
67.5	1		
70.0	1		
72.5	1		
75.0	1		
77.5	1		
80.0	1		



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5-DEGREE
 ZONAL LUMEN SUMMARY

0- 5	373
5- 10	498
10- 15	180
15- 20	38
20- 25	22
25- 30	14
30- 35	10
35- 40	8
40- 45	6
45- 50	3
50- 55	3
55- 60	2
60- 65	1
65- 70	1
70- 75	1
75- 80	1
80- 85	0
85- 90	0

10-DEGREE
 ZONAL LUMEN SUMMARY

0- 10	872
0- 20	1090
0- 30	1127
0- 40	1145
0- 50	1154
0- 60	1159
0- 70	1160
0- 80	1161
0- 90	1162



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

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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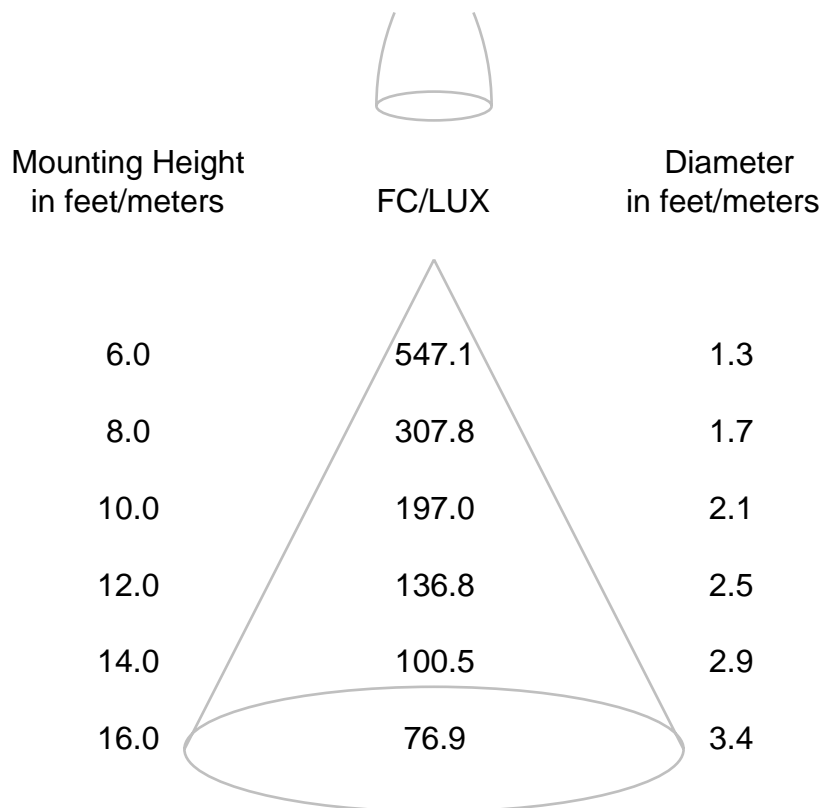
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CONE OF LIGHT DIAGRAM

(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.