

REPORT NUMBER: ITL89714-GONIOPHOTOMETRY

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ISSUE DATE: 09/27/17

PREPARED FOR: LITELAB CORPORATION

CATALOG NUMBER: ROL15-930-A0G-RCO-P-N

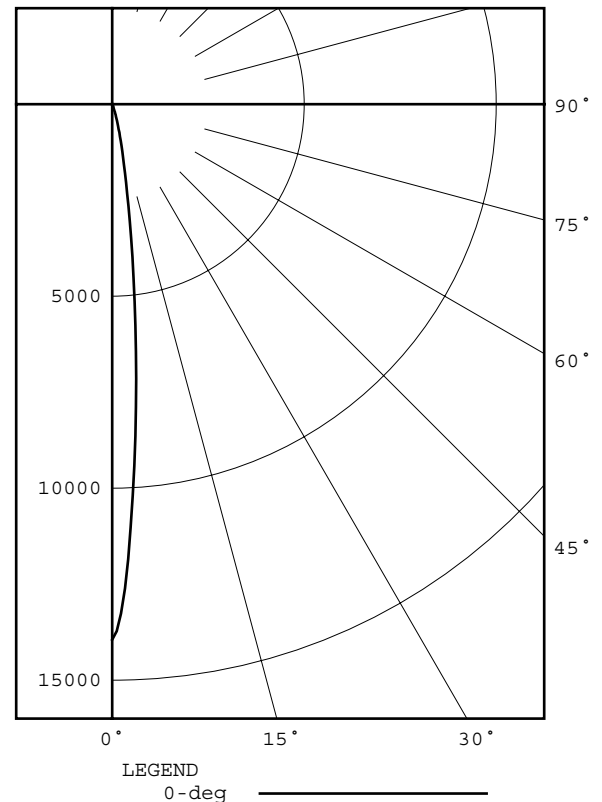
DEG	CANDELA	LUMENS
0	13941	
5	7180	515
15	590	185
25	33	19
35	4	3
45	0	0
55	0	0
65	0	0
75	0	0
85	0	0
90	0	0

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	719	99.6
0- 40	722	100.0
0- 60	722	100.0
0- 90	722	100.0
90-180	0	0.0
0-180	722	100.0

EFFICACY = 38.6 lm/W
 CIE TYPE - DIRECT
 SPACING CRITERION: 0.18
 BEAM ANGLE (50%) : 10.3 DEGREES
 FIELD ANGLE (10%) : 23.2 DEGREES
 LUMINOUS DIAMETER: 2.000

LUMINANCE DATA IN CANDELA/SQ M
 ANGLE AVERAGE
 IN DEG

45	0.
55	0.
65	0.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

0.0	13941	82.5	0
0.5	13720	85.0	0
1.0	13264	87.5	0
1.5	12616	90.0	0
2.0	11852		
2.5	11038		
3.0	10208		
3.5	9431		
4.0	8665		
4.5	7911		
5.0	7180		
5.5	6473		
6.0	5795		
6.5	5162		
7.0	4564		
7.5	4017		
8.0	3521		
8.5	3085		
9.0	2688		
9.5	2358		
10.0	2066		
10.5	1820		
11.0	1607		
11.5	1428		
12.0	1259		
12.5	1108		
13.0	977		
13.5	863		
14.0	761		
14.5	671		
15.0	590		
16.0	448		
17.0	336		
18.0	249		
19.0	176		
20.0	123		
22.5	59		
25.0	33		
27.5	19		
30.0	11		
32.5	7		
35.0	4		
37.5	2		
40.0	1		
42.5	0		
45.0	0		
47.5	0		
50.0	0		
52.5	0		
55.0	0		
57.5	0		
60.0	0		
62.5	0		
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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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	232
5- 10	282
10- 15	135
15- 20	50
20- 25	14
25- 30	5
30- 35	2
35- 40	1
40- 45	0
45- 50	0
50- 55	0
55- 60	0
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	515
0- 20	699
0- 30	719
0- 40	722
0- 50	722
0- 60	722
0- 70	722
0- 80	722
0- 90	722



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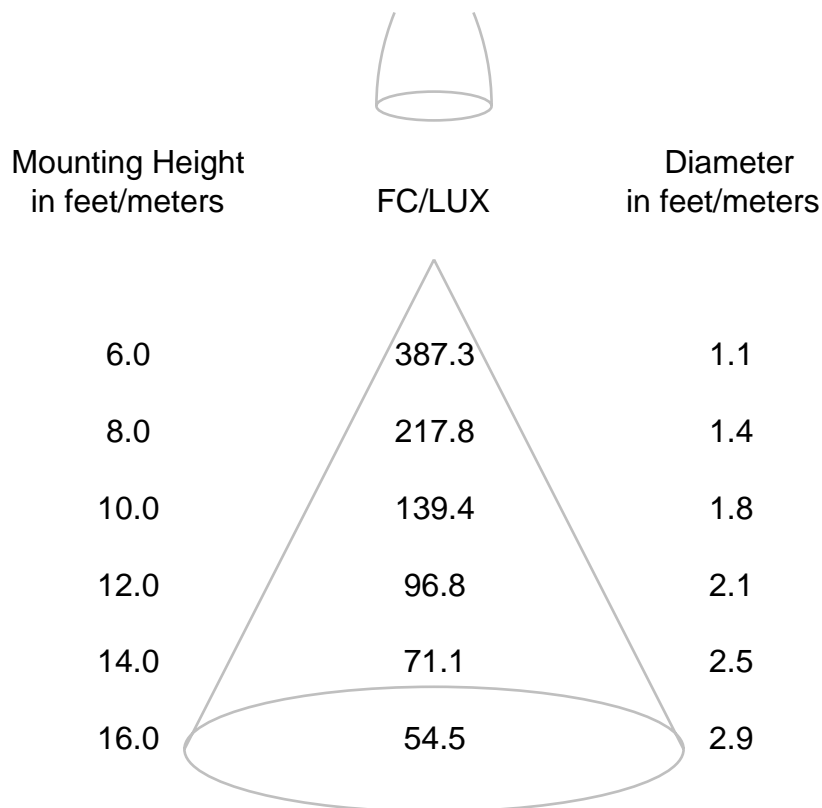
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CONE OF LIGHT DIAGRAM

(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.