

REPORT NUMBER: ITL91850-GONIOPHOTOMETRY

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ISSUE DATE: 05/28/19

PREPARED FOR: LITELAB CORPORATION

CATALOG NUMBER: A77-L1800-A-9230-P22

DEG	CANDELA	LUMENS
0	9030	
5	7922	673
15	2219	626
25	173	97
35	38	25
45	8	7
55	3	2
65	1	1
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1396	97.6
0- 40	1421	99.3
0- 60	1431	100.0
0- 90	1431	100.0
90-180	0	0.0
0-180	1431	100.0

EFFICACY = 65.9 lm/W

CIE TYPE - DIRECT

SPACING CRITERION: 0.37

BEAM ANGLE (50%) : 22.5 DEGREES

FIELD ANGLE (10%) : 36.7 DEGREES

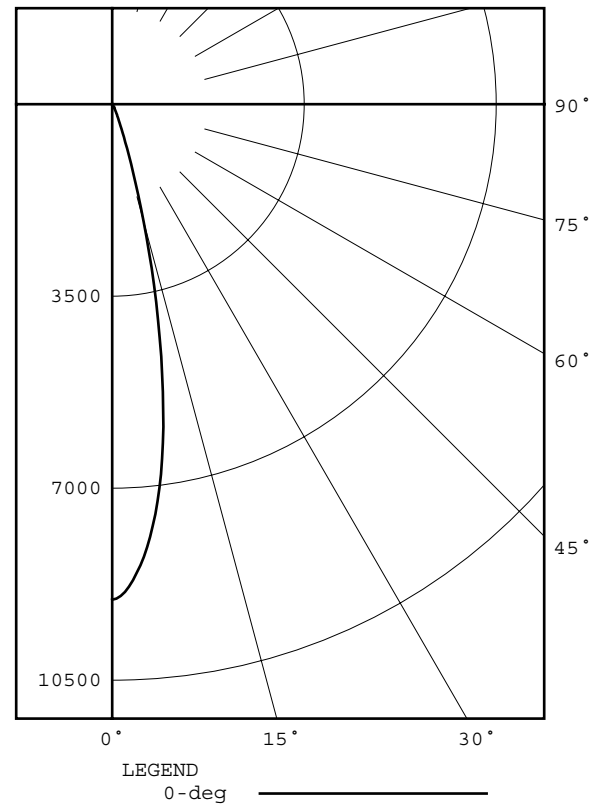
LUMINOUS DIAMETER: 2.875

LUMINANCE DATA IN CANDELA/SQ M

ANGLE AVERAGE

IN DEG

45	2701.
55	1249.
65	565.
75	0.
85	0.





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	9030	82.5	0
0.5	9012	85.0	0
1.0	8965	87.5	0
1.5	8895	90.0	0
2.0	8799		
2.5	8687		
3.0	8555		
3.5	8420		
4.0	8268		
4.5	8100		
5.0	7922		
5.5	7722		
6.0	7515		
6.5	7284		
7.0	7053		
7.5	6806		
8.0	6531		
8.5	6249		
9.0	5954		
9.5	5635		
10.0	5327		
10.5	4992		
11.0	4683		
11.5	4346		
12.0	4028		
12.5	3696		
13.0	3387		
13.5	3072		
14.0	2781		
14.5	2485		
15.0	2219		
16.0	1727		
17.0	1317		
18.0	986		
19.0	735		
20.0	551		
22.5	289		
25.0	173		
27.5	110		
30.0	76		
32.5	54		
35.0	38		
37.5	25		
40.0	16		
42.5	11		
45.0	8		
47.5	6		
50.0	5		
52.5	4		
55.0	3		
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		



INDEPENDENT TESTING LABORATORIES, INC.
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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	202
5- 10	472
10- 15	430
15- 20	197
20- 25	67
25- 30	29
30- 35	16
35- 40	9
40- 45	4
45- 50	3
50- 55	2
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	673
0- 20	1300
0- 30	1396
0- 40	1421
0- 50	1428
0- 60	1431
0- 70	1431
0- 80	1431
0- 90	1431



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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	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	98
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	97	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	96	97	95	94	97	93
4	106	102	98	95	105	101	97	95	99	96	94	97	95	93	95	93	92	95	91
5	104	99	95	92	103	98	94	92	96	93	91	95	92	90	93	91	90	93	89
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	87
7	99	94	90	87	98	93	90	87	92	89	87	91	88	86	90	88	86	90	85
8	97	91	88	85	96	91	87	85	90	87	85	89	86	85	88	86	84	88	83
9	95	89	86	83	94	89	86	83	88	85	83	87	85	83	87	84	83	87	82
10	93	87	84	82	92	87	84	82	86	83	81	86	83	81	85	83	81	85	80

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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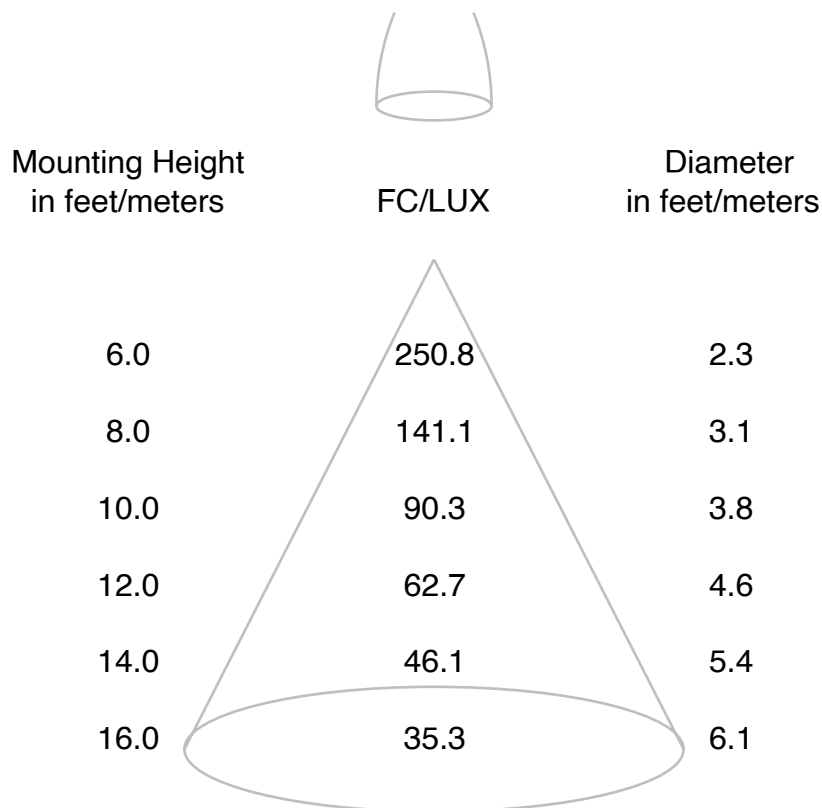
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CONE OF LIGHT DIAGRAM

(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.