

**REPORT NUMBER:** ITL94756-GONIOPHOTOMETRY

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**ISSUE DATE:** 05/28/21

**PREPARED FOR:** LITELAB CORPORATION

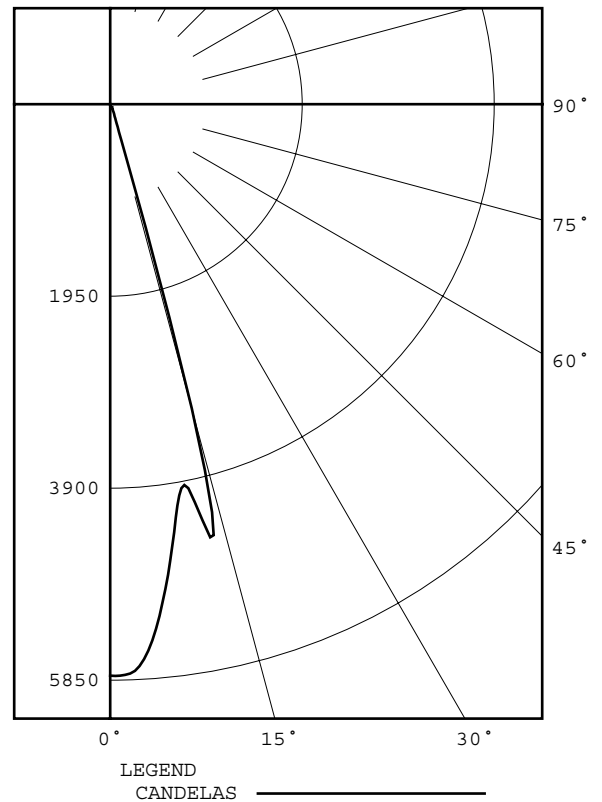
**CATALOG NUMBER:** C74L1800-9TC-DY-A-9230-P-33

DEG	CANDELA	LUMENS
0	5803	
5	5347	464
15	3198	603
25	55	29
35	18	12
45	6	5
55	3	2
65	1	1
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1095	98.2
0- 40	1107	99.3
0- 60	1115	99.9
0- 90	1115	100.0
90-180	0	0.0
0-180	1115	100.0

EFFICACY = 45.7 lm/W  
 CIE TYPE - DIRECT  
 SPACING CRITERION: 0.40  
 BEAM ANGLE (50%) : 30.3 DEGREES  
 FIELD ANGLE (10%) : 33.6 DEGREES  
 LUMINOUS DIAMETER: 2.125

LUMINANCE DATA IN CANDELA/SQ M	
ANGLE	AVERAGE
IN DEG	
45	3708.
55	2286.
65	1034.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

Table with 4 columns: Wavelength (nm), Candela, and two empty columns. Values range from 0.0 to 80.0 nm.



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	134
5- 10	329
10- 15	487
15- 20	116
20- 25	18
25- 30	10
30- 35	7
35- 40	5
40- 45	3
45- 50	2
50- 55	1
55- 60	1
60- 65	1
65- 70	0
70- 75	0
75- 80	0
80- 85	0
85- 90	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	464
0- 20	1067
0- 30	1095
0- 40	1107
0- 50	1112
0- 60	1115
0- 70	1115
0- 80	1115
0- 90	1115



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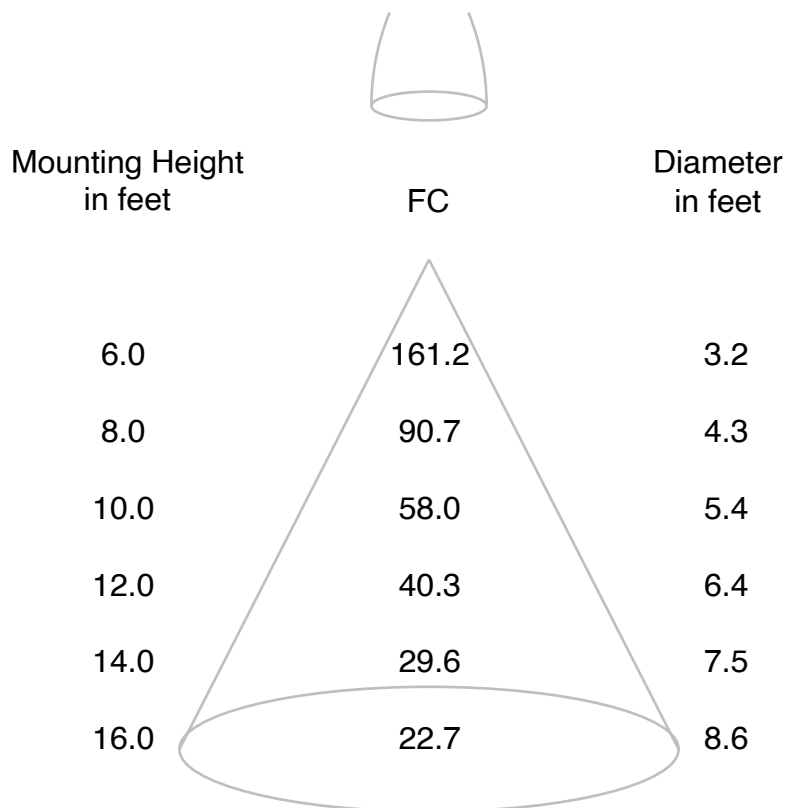
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## CONE OF LIGHT DIAGRAM

(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.