

REPORT NUMBER: ITL94757-GONIOPHOTOMETRY

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ISSUE DATE: 05/28/21

PREPARED FOR: LITELAB CORPORATION

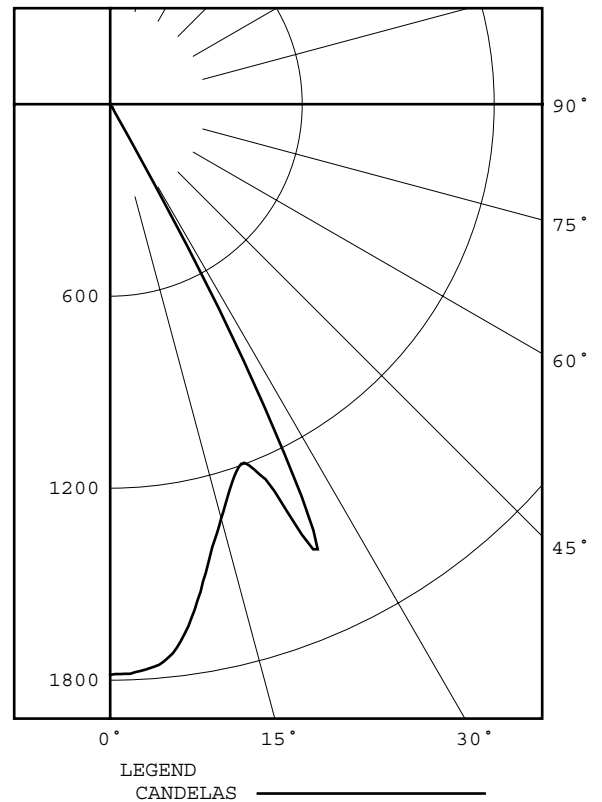
CATALOG NUMBER: C74L1800-9TC-DY-A-9230-P-54

DEG	CANDELA	LUMENS
0	1783	
5	1758	162
15	1341	378
25	1535	487
35	10	8
45	4	3
55	0	0
65	0	0
75	0	0
85	0	0
90	0	0

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1027	98.8
0- 40	1036	99.7
0- 60	1039	100.0
0- 90	1039	100.0
90-180	0	0.0
0-180	1039	100.0

EFFICACY = 42.4 lm/W
 CIE TYPE - DIRECT
 SPACING CRITERION: 0.76
 BEAM ANGLE (50%) : 55.1 DEGREES
 FIELD ANGLE (10%) : 59.2 DEGREES
 LUMINOUS DIAMETER: 2.125

LUMINANCE DATA IN CANDELA/SQ M	
ANGLE	AVERAGE
IN DEG	
45	2472.
55	0.
65	0.
75	0.
85	0.





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CANDELA DISTRIBUTION

0.0	1783	82.5	0
0.5	1781	85.0	0
1.0	1781	87.5	0
1.5	1781	90.0	0
2.0	1781		
2.5	1777		
3.0	1774		
3.5	1771		
4.0	1767		
4.5	1763		
5.0	1758		
5.5	1750		
6.0	1739		
6.5	1727		
7.0	1711		
7.5	1692		
8.0	1671		
8.5	1650		
9.0	1625		
9.5	1601		
10.0	1573		
10.5	1549		
11.0	1520		
11.5	1496		
12.0	1469		
12.5	1444		
13.0	1420		
13.5	1400		
14.0	1380		
14.5	1360		
15.0	1341		
16.0	1304		
17.0	1269		
18.0	1238		
19.0	1213		
20.0	1196		
22.5	1269		
25.0	1535		
27.5	903		
30.0	40		
32.5	14		
35.0	10		
37.5	8		
40.0	7		
42.5	5		
45.0	4		
47.5	3		
50.0	2		
52.5	1		
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		



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

0- 5	42
5- 10	120
10- 15	171
15- 20	207
20- 25	277
25- 30	210
30- 35	6
35- 40	3
40- 45	2
45- 50	1
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	162
0- 20	540
0- 30	1027
0- 40	1036
0- 50	1039
0- 60	1039
0- 70	1039
0- 80	1039
0- 90	1039



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	85	83	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74
7	90	82	77	73	89	81	77	73	80	76	73	79	75	72	78	75	72	71	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68	68
9	83	75	70	67	82	74	70	66	74	69	66	73	69	66	72	68	66	65	65
10	80	72	67	63	79	71	67	63	71	66	63	70	66	63	69	66	63	62	62

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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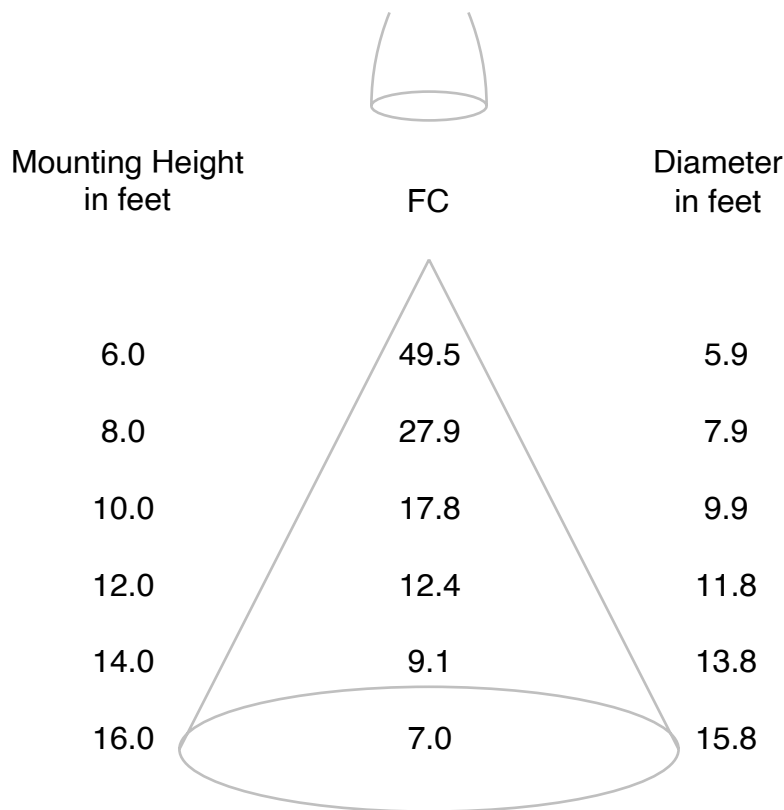
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CONE OF LIGHT DIAGRAM

(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.