

**REPORT NUMBER:** ITL94146-GONIOPHOTOMETRY

**PAGE:** 1 OF 6

**ISSUE DATE:** 10/19/20

**PREPARED FOR:** LITELAB CORPORATION

**ADDRESS:** 251 ELM STREET

BUFFALO, NY 14203

**CATALOG NUMBER:** C75L700-(FITTER)-(VOLTAGE)-9230-(FINISH)-5

**LUMINAIRE:** FABRICATED DIFFUSE METAL DRIVER HOUSING, CAST WHITE PAINTED METAL HOUSING WITH FINNED HEAT SINK, ONE CIRCUIT BOARD WITH 1 LED, FABRICATED DIFFUSE METAL OPTIC MOUNTING RING, CLEAR CONICAL PLASTIC OPTIC WITH RECESSED CONVEX TOP CENTER AND CONCAVE MICRO-PRISMATIC BOTTOM. MOLDED BLACK PLASTIC FRAME, BLACK PLASTIC LOWER BAFFLE.

**LAMP:** ONE WHITE LIGHT EMITTING DIODE (LED), VERTICAL BASE-UP POSITION.

**MOUNTING:** TRACK

**LED DRIVER:** LITELAB PROPRIETARY

**NOTE:** DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE DRIVER.

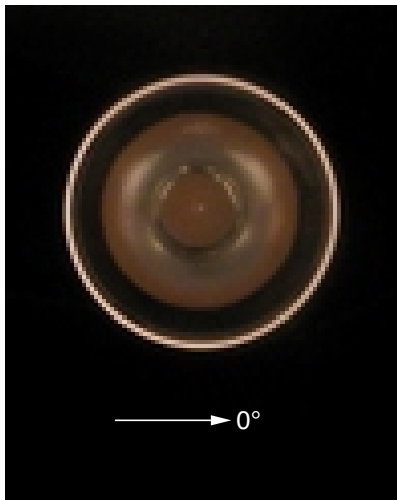
**INPUT ELECTRICAL:** 120.0 VOLTS, 17.6 WATTS, 0.162 AMPS

POWER FACTOR: 90.5%, VOLTAGE THD: 0.1%, CURRENT THD: 12.4%

TEST PROCEDURE: IESNA LM-79-19

TEST DISTANCE = 20.0 FEET

AMBIENT: 24.9



THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

Approved R BERGIN

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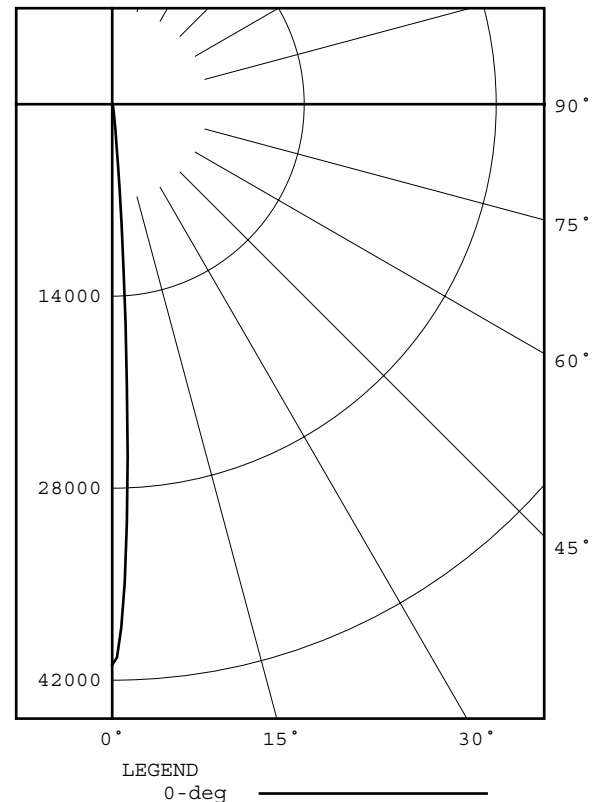
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DEG	CANDELA	LUMENS
0	40870	
5	6281	572
15	226	69
25	46	23
35	13	8
45	3	2
55	1	1
65	0	0
75	0	0
85	0	0
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	663	98.3
0- 40	672	99.6
0- 60	675	100.0
0- 90	675	100.0
90-180	0	0.0
0-180	675	100.0

EFFICACY = 38.4 lm/W  
 CIE TYPE - DIRECT  
 SPACING CRITERION: 0.10  
 BEAM ANGLE (50%) : 6.0 DEGREES  
 FIELD ANGLE (10%) : 11.3 DEGREES  
 LUMINOUS DIAMETER: 2.875

LUMINANCE DATA IN CANDELA/SQ M	
ANGLE	AVERAGE
IN DEG	
45	1013.
55	416.
65	0.
75	0.
85	0.





INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

Table with 3 columns: Angle (0.0 to 80.0), Candela values, and a third column with zeros.



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	440
5- 10	132
10- 15	46
15- 20	23
20- 25	14
25- 30	9
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	572
0- 20	640
0- 30	663
0- 40	672
0- 50	674
0- 60	675
0- 70	675
0- 80	675
0- 90	675



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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	115	113	112	114	113	111	110	109	108	107	105	104	104	102	101	101	101	99
2	114	111	109	107	112	110	108	106	107	105	104	104	103	102	101	100	100	100	98
3	112	109	106	104	110	107	105	103	105	103	102	103	101	100	101	100	99	99	98
4	110	106	104	102	109	105	103	101	104	102	100	102	100	99	100	99	98	98	97
5	108	105	102	100	107	104	101	99	102	100	99	101	99	98	100	98	97	97	96
6	107	103	100	98	106	102	100	98	101	99	98	100	98	97	99	98	96	96	96
7	106	102	99	97	105	101	99	97	100	98	97	99	98	96	99	97	96	96	95
8	105	101	98	96	104	100	98	96	99	97	96	99	97	95	98	96	95	95	95
9	104	100	97	95	103	99	97	95	99	97	95	98	96	95	97	96	95	94	94
10	103	99	96	95	102	98	96	95	98	96	94	97	96	94	97	95	94	94	94

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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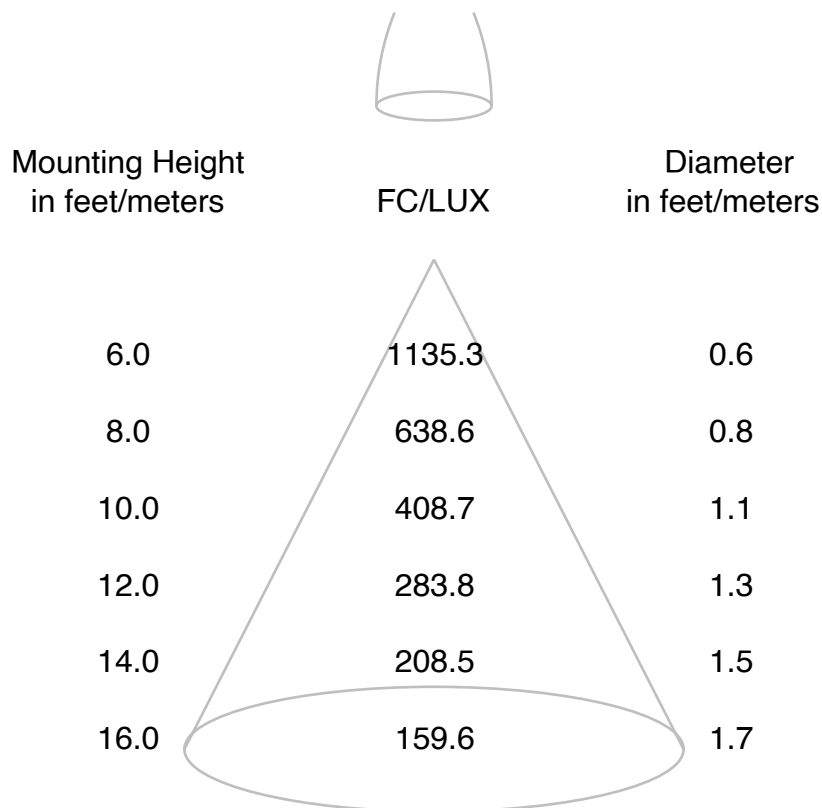
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## CONE OF LIGHT DIAGRAM

(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.