

REPORT NUMBER: ITL REPORT NUMBER

ISSUE DATE: 01/09/15

PREPARED FOR: ITL CUSTOMER

CATALOG NUMBER: SAMPLE INDOOR - LED TEST - ABSOLUTE

LUMINAIRE: FABRICATED METAL FRAME, SPUN SPECULAR METAL REFLECTOR, BLACK PAINTED METAL BAFFLE LOWER CONE, OPEN BOTTOM.

LAMPS: TWENTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 35.1 AT 120.0 VOLTS

MOUNTING: RECESSED

LED DRIVER: MANUFACTURER NAME ABC123 DRIVER

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

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 35.0 FEET

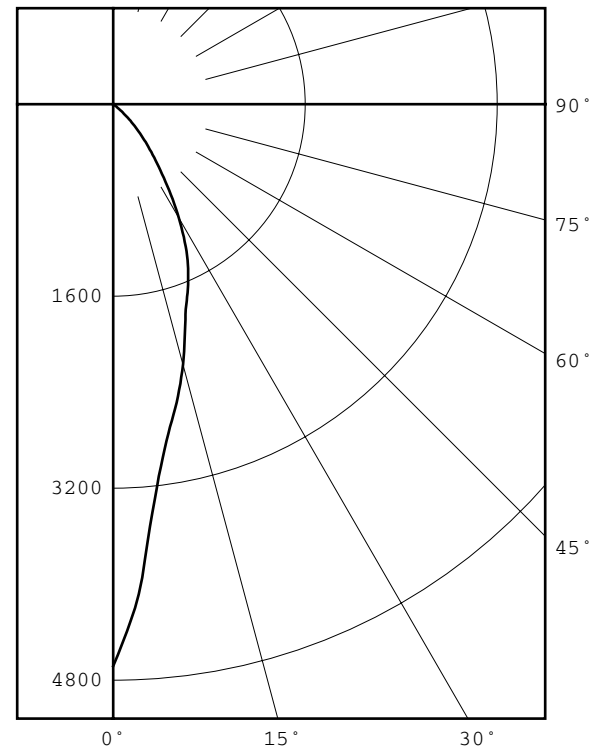
DEG	CANDELA	LUMENS
0	4682	
5	3531	314
15	2246	623
25	1473	666
35	710	452
45	234	185
55	7	16
65	3	3
75	1	1
85	0	0
90	0	0

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1602	70.9
0- 40	2055	90.9
0- 60	2255	99.8
0- 90	2260	100.0
90-180	0	0.0
0-180	2260	100.0

EFFICACY = 64.4 lm/W
CIE TYPE - DIRECT
LUMINAIRE SPACING CRITERION = 0.44
LUMINOUS DIAMETER: 5.938

LUMINANCE DATA IN CANDELA/SQ M	
ANGLE	AVERAGE
IN DEG	
45	18525.
55	683.
65	397.
75	216.
85	0.

PHOTOGRAPH
OF
CUSTOMER
SAMPLE
HERE



Checked
Approved
Lighting Engineer



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INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION

0.0	4682
2.5	4201
5.0	3531
7.5	3045
10.0	2730
12.5	2493
15.0	2246
17.5	1989
20.0	1780
22.5	1629
25.0	1473
27.5	1292
30.0	1094
32.5	894
35.0	710
37.5	561
40.0	438
42.5	331
45.0	234
47.5	151
50.0	76
52.5	23
55.0	7
57.5	4
60.0	4
62.5	3
65.0	3
67.5	3
70.0	2
72.5	1
75.0	1
77.5	1
80.0	1
82.5	0
85.0	0
87.5	0
90.0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	96
5- 10	219
10- 15	294
15- 20	328
20- 25	341
25- 30	325
30- 35	264
35- 40	189
40- 45	123
45- 50	62
50- 55	14
55- 60	2
60- 65	2
65- 70	1
70- 75	1
75- 80	1
80- 85	0
85- 90	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	314
0- 20	937
0- 30	1602
0- 40	2055
0- 50	2239
0- 60	2255
0- 70	2258
0- 80	2260
0- 90	2260



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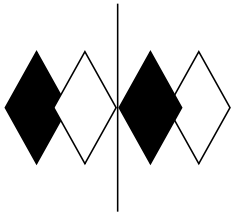
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	116	116	116	116	116	111	111	111	111	111	106	106	106	106	102	102	102	102	100	
1	114	111	110	108	106	111	110	109	107	105	105	103	101	101	101	101	100	98	98	98	97	96	96	94	
2	108	103	99	96	96	106	102	98	95	95	98	96	93	95	93	91	95	93	91	93	91	89	89	87	87
3	103	97	92	88	88	101	95	91	87	87	93	89	86	90	87	84	90	87	84	88	85	83	83	82	82
4	98	90	85	81	81	96	89	84	80	80	87	83	79	85	81	78	85	81	78	83	80	78	78	76	76
5	93	85	79	75	75	91	84	79	75	75	82	77	74	80	76	73	80	76	73	79	75	73	73	71	71
6	88	80	74	70	70	87	79	73	69	69	77	73	69	76	72	69	76	72	69	75	71	68	68	67	67
7	84	75	69	65	65	83	74	69	65	65	73	68	65	72	68	64	72	68	64	71	67	64	64	63	63
8	80	71	65	61	61	79	70	65	61	61	69	64	61	68	64	60	68	64	60	67	63	60	60	59	59
9	77	67	61	58	58	76	67	61	57	57	66	61	57	65	60	57	65	60	57	64	60	57	57	56	56
10	73	64	58	54	54	72	63	58	54	54	62	57	54	62	57	54	62	57	54	61	57	54	54	52	52

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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