

8" Clear Specular HighZak Reflector

Lamp: (1)150W A21

Total Rated Lamp Lumens : 2780

Total Luminaire Efficiency : 79.1%

CIE Type: Direct

Spacing Ratio: 1.06

Report File # LLI090306B.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

8" Incandescent Housing : LH800

8" HighZak Reflector : LR871CCF

HOUSING	LAMP	MAX. WATT	LUMEN*
LH800	A21	150W	2780
	A23	200W	4000
PAR38	150W	---	---

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

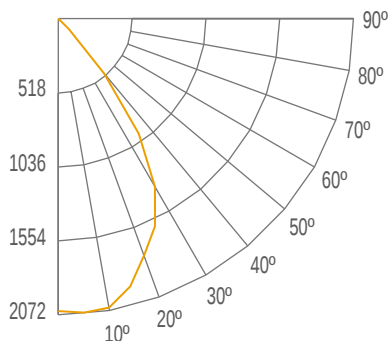
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	2053
5	2072
10	2057
15	1942
20	1763
25	1605
30	1359
35	979
40	495
45	98
50	16
55	7
60	2
65	1
70	0
75	0
80	0
85	0
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4227	4227	4227
55	372	372	372
65	72	72	72
75	0	0	0
85	0	0	0

MULTIPLIERS**

FINISHES

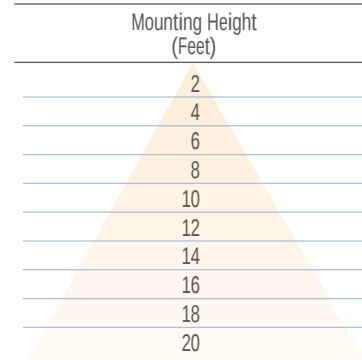
Gold	0.90
White	0.95
Black	0.70
Satin Haze	0.80
Copper	0.75

** Based on Clear reflector

INITIAL FOOTCANDLES

(Beam angle : 82°)

Footcandles at center	Circle Diameter	Footcandles at edge
513.3	3.5	51.3
128.3	7.0	12.8
57.0	10.4	5.7
32.1	13.9	3.2
20.5	17.4	2.1
14.3	20.9	1.4
10.5	24.3	1.0
8.0	27.8	0.8
6.3	31.3	0.6
5.1	34.8	0.5



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	50	30	10	0
0	94	94	94	94	92	92	92	92	88	88	88	84	84	84	81	81	81	79			
1	90	88	86	84	88	86	84	82	83	81	80	80	79	78	77	76	75	74			
2	85	81	78	75	83	80	77	75	77	75	73	75	73	71	73	71	70	69			
3	81	76	72	68	79	75	71	68	72	69	67	71	68	66	69	67	65	64			
4	77	70	66	63	75	70	65	62	68	64	62	66	63	61	65	62	60	59			
5	73	66	61	58	71	65	61	57	64	60	57	62	59	56	61	58	56	55			
6	69	62	57	53	68	61	56	53	60	56	53	59	55	52	58	54	52	51			
7	65	58	53	49	64	57	52	49	56	52	49	55	51	49	54	51	48	47			
8	62	54	49	46	61	54	49	46	53	49	46	52	48	45	51	48	45	44			
9	59	51	46	43	58	50	46	43	50	46	43	49	45	42	48	45	42	41			
10	56	48	43	40	55	48	43	40	47	43	40	46	42	40	46	42	40	39			

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	1467.92	52.80	66.80
0 - 40	2058.13	74.00	93.60
0 - 60	2198.05	79.10	100.00
0 - 90	2199.03	79.10	100.00
90 -120	0.00	0.00	0.00
90 -130	0.00	0.00	0.00
90 -150	0.00	0.00	0.00
90 -180	0.00	0.00	0.00
0 -180	2199.03	79.10	100.00