

**8" Clear Specular HighZak Reflector**

Lamp: (1)CF26DT/E/IN/830

Total Rated Lamp Lumens : 1800

Total Luminaire Efficiency : 68.5 %

CIE Type: Direct

Spacing Ratio: 0.72

Report File# LL1070307H.IES

By: Light Laboratory, Inc.

LM-63-2002

**LUMINANCE DATA**

8" Vertical Housing : LVH8126UE

8" HighZak Reflector : LR801CCF

HOUSING	WATTAGE	LUMEN*
LVH8113	13W	900
LVH8118	18W	1200
LVH8126UE	26W	1800
LVH8132UE	32W	2400
LVH8142UE	42W	3200
LVH8157UE	57W	4300
LVH8170UE	70W	5200

\* Lumens may vary upon lamp types/manufacturers.

**PROJECT INFORMATION**

TYPE : \_\_\_\_\_

VOLTAGE : \_\_\_\_\_

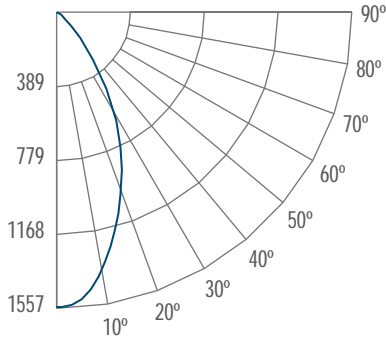
PROJECT : \_\_\_\_\_

ITEM# : \_\_\_\_\_

DATE : \_\_\_\_\_

**CANDLE POWER DISTRIBUTION**

DEGREES VERTICAL	AVERAGE
0	1540
1	1544
3	1551
5	1557
7	1533
9	1471
11	1373
13	1268
15	1167
17	1053
19.5	931
22.5	825
25.5	762
29	687
33	577
37.5	435
42.5	175
47.5	15
55	5
65	3
75	2
85	1
90	1



**LUMINANCE**

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4709	4709	4709
55	306	306	306
65	249	249	249
75	271	271	271
85	402	402	402

**MULTIPLIERS\*\***

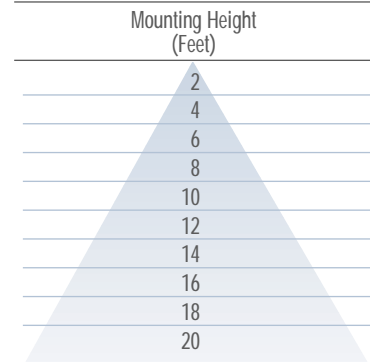
FINISHES		WATTAGES	
Gold	0.90	13W	0.50
White	0.95	18W	0.66
Black	0.70	32W	1.33
Satin Haze	0.80	42W	1.78
		57W	2.35
		70W	2.85

\*\* Based on Clear reflector (26W).

**INITIAL FOOTCANDLES**

(Beam angle : 80°)

Footcandles at center	Circle Diameter	Footcandles at edge
385.0	3.4	38.5
96.3	6.7	9.6
42.8	10.1	4.3
24.1	13.4	2.4
15.4	16.8	1.5
10.7	20.1	1.1
7.9	23.5	0.8
6.0	26.9	0.6
4.8	30.2	0.5
3.8	33.6	0.4



**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	82	82	82	82	80	80	80	80	76	76	76	73	73	73	70	70	70	68
1	78	76	74	72	76	74	72	71	71	70	69	69	68	67	66	66	65	64
2	74	70	67	65	72	69	66	64	67	64	63	65	63	61	63	61	60	59
3	70	65	61	59	68	64	61	58	62	60	57	61	58	56	59	57	55	54
4	66	60	57	54	65	60	56	53	58	55	53	57	54	52	56	53	51	50
5	62	56	52	49	61	56	52	49	55	51	49	53	50	48	52	50	48	47
6	59	53	48	45	58	52	48	45	51	48	45	50	47	45	49	46	44	43
7	56	49	45	42	55	49	45	42	48	44	42	47	44	41	46	43	41	40
8	53	46	42	39	52	46	42	39	45	41	39	44	41	39	44	41	39	38
9	50	44	39	37	50	43	39	36	43	39	36	42	39	36	41	38	36	35
10	48	41	37	34	47	41	37	34	40	37	34	40	36	34	39	36	34	33

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	786.56	43.70	63.80
0 - 40	1073.39	59.60	87.10
0 - 60	1224.08	68.00	99.30
0 - 90	1232.61	68.50	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	1232.61	68.50	100.00