

8" White Baffle with Prismatic Lens

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

Total Rated Lamp Lumens : 1800

Total Luminaire Efficiency : 57.5%

CIE Type: Direct

Spacing Ratio: 0.80

Report File# LLI010504E.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

8" Vertical Housing : LVH8126UE

8" Baffle with Lens : LR804W

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

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

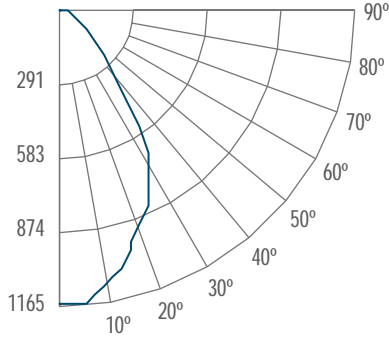
ITEM# :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES VERTICAL AVERAGE

0	1165
1	1162
3	1155
5	1131
7	1089
9	1046
11	1009
13	967
15	898
17	860
19.5	779
22.5	702
25.5	615
29	541
33	419
37.5	271
42.5	154
47.5	89
55	44
65	19
75	3
85	1
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6023	6023	6023
55	2689	2689	2689
65	1576	1576	1576
75	406	406	406
85	402	402	402

MULTIPLIERS**

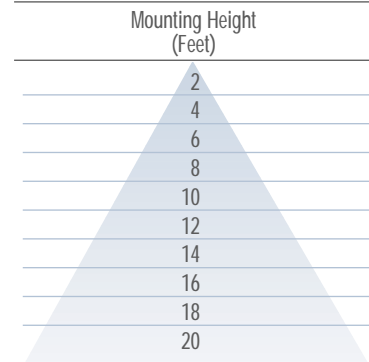
FINISHES		WATTAGES	
Black	0.85	13W	0.50
Natural	0.90	18W	0.66
		32W	1.33
		42W	1.78
		57W	2.35
		70W	2.85

** Based on White Baffle with Lens (26W).

INITIAL FOOTCANDLES

(Beam angle : 76°)

Footcandles at center	Circle Diameter	Footcandles at edge
340.1	3.1	33.6
84.8	6.3	8.6
37.3	9.4	3.8
19.2	12.5	2.1
13.7	15.6	1.4
9.5	18.8	1.0
7.0	21.9	0.7
5.3	25.0	0.5
4.2	28.1	0.4
3.4	31.3	0.3



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	50	30	10	0
0	68	68	68	68	67	67	67	67	64	64	64	61	61	61	59	59	59	57	57	57	57
1	65	63	61	60	63	62	60	59	59	58	57	57	56	55	55	54	54	53	53	53	53
2	61	58	55	53	60	57	54	52	55	53	51	53	51	50	51	50	49	48	48	48	48
3	57	53	50	47	56	52	49	47	51	48	46	49	47	45	48	46	45	44	44	44	44
4	54	49	46	43	53	48	45	42	47	44	42	46	43	41	45	43	41	40	40	40	40
5	51	46	42	39	50	45	41	39	44	41	38	43	40	38	42	40	38	37	37	37	37
6	48	42	39	36	47	42	38	36	41	38	35	40	37	35	39	37	35	34	34	34	34
7	45	40	36	33	45	39	35	33	38	35	33	38	35	33	37	34	32	31	31	31	31
8	43	37	33	31	42	37	33	31	36	33	30	35	32	30	35	32	30	29	29	29	29
9	41	35	31	28	40	34	31	28	34	31	28	33	30	28	33	30	28	27	27	27	27
10	39	33	29	27	38	32	29	27	32	29	27	31	28	26	31	28	26	26	26	26	26

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	619.60	34.40	59.90
0 - 40	826.26	45.90	79.90
0 - 60	990.84	55.00	95.80
0 - 90	1034.47	57.50	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	1034.47	57.50	100.00