

# Cobra Street Lighting

CO-120/277V-100W-5K-00

## Induction Lamp Specifications

Wattage (W)	Luminance (LM)	CRI	Color Temp (K)	Rated Life (Hours)
100	8,500	85	5,000	100,000

## Driver Specifications

Wattage (W)	Input Voltage (VAC)	Input Current (A)	Input Frequency	Power Factor	Operating Temp	Input Power (W)
100	120/277	0.93 - 0.40	50-60Hz	0.98	-30 to 122° F	110

## Photometric Report

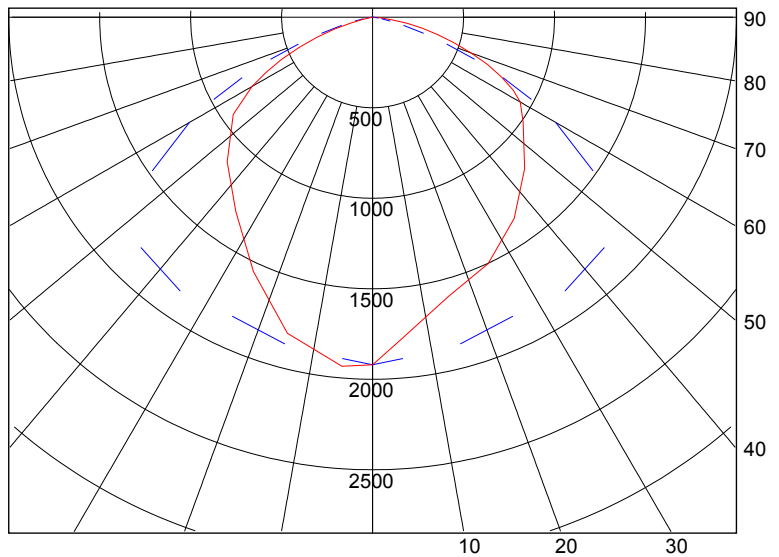
FILENAME: COBRA | 100W FLAT GLASS.IES

IESNA:LM-63-2002  
 [TEST] 021109-3  
 [TESTLAB] LIGHTING LABS  
 [ISSUEDATE] 2/11/2008  
 [MANUFAC] US LIGHTING TECH  
 [LUMINAIRE] COBRA 100 FLAT LENS  
 [LAMP] INDUCTION 100W  
 [LAMPPOSITION] 0,0

### SUMMARY DATA

EFFICIENCY (Total): 63.6 %  
 EFFICIENCY (Downlight): 63.6 %  
 EFFICIENCY (Uplight): 0.0 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (90-Deg.): 1.48  
 LUMENS/LAMP: 8500  
 NO. OF LAMPS: 1  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.92 (Feet)  
     Length: 1.13  
     Height: 0.00  
 INPUT WATTS: 105

### CANDELA PLOT



Bilaterally Symmetric  
 Solid: 180-0 Degrees Dashed: 90-270 Degrees

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1443.1	17.0	26.7
0 - 40	2397.9	28.2	44.3
0 - 60	4498.2	52.9	83.1
60 - 90	911.6	10.7	16.9
0 - 90	5409.7	63.6	100.0
90 - 180	0.0	0.0	0.0
0 - 180	5409.7	63.6	100.0

### AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	15	35	55	75	90	105	125	145	165	180
0	19879	19879	19879	19879	19879	19879	19879	19879	19879	19879	19879
45	17315	16985	18816	22952	26100	26357	25112	21195	17278	16436	16546
55	18232	17736	19947	24369	26852	26671	25362	20714	16833	16788	16878
65	19171	18068	17027	20457	20457	19416	17701	12801	11515	12923	13536
75	14802	13301	9101	9701	8201	7101	6001	4300	4000	4601	5101
85	5049	5049	2376	2376	2079	1782	1485	1188	1188	891	891

### COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50				30				10				0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.76	.76	.76	.76	.74	.74	.74	.74	.71	.71	.71	.68	.68	.68	.65	.65	.65	.64			
1	.70	.67	.64	.62	.68	.66	.63	.61	.63	.61	.59	.60	.59	.57	.58	.57	.56	.54			
2	.64	.59	.54	.51	.62	.57	.54	.50	.55	.52	.49	.53	.50	.48	.51	.49	.47	.46			
3	.58	.51	.46	.42	.56	.50	.46	.42	.49	.45	.41	.47	.43	.41	.45	.42	.40	.38			
4	.53	.46	.40	.36	.52	.45	.40	.36	.43	.39	.35	.42	.38	.35	.40	.37	.34	.33			
5	.49	.41	.35	.31	.47	.40	.35	.31	.38	.34	.30	.37	.33	.30	.36	.32	.30	.28			
6	.45	.36	.31	.27	.44	.36	.30	.27	.35	.30	.26	.34	.29	.26	.33	.29	.26	.25			
7	.41	.33	.27	.23	.40	.32	.27	.23	.31	.27	.23	.30	.26	.23	.30	.26	.23	.22			
8	.39	.30	.25	.21	.38	.29	.24	.21	.29	.24	.21	.28	.24	.20	.27	.23	.20	.19			
9	.36	.27	.22	.19	.35	.27	.22	.19	.26	.22	.18	.26	.21	.18	.25	.21	.18	.17			
10	.34	.25	.20	.17	.33	.25	.20	.17	.24	.20	.17	.24	.20	.17	.23	.19	.17	.15			