

# KUZCO LIGHTING

## LUMINAIRE PHOTOMETRIC REPORT

**Filename:** 401142-LED - Cupo

**Manufacturer:** Kuzco Lighting

**Luminaire:** Pendant

**Luminaire Cat:** 401142-LED

**Lamp:** 120V LED

**Lamp Cat:** RIG 02-2000-930-120-S3

**Lamp Output:** Total luminaire Lumens: 878.5

**Max Candela:** 385.3 at Horizontal: 270°, Vertical: 5°

**Input Wattage:** 23.5

**Luminous Opening:** Circular (Dia: 15.75")

**Test:** 282\_16

**Test Date:** 10 February 2016

**Test Lab:** Kuzco Lighting

**Photometry :** Type C

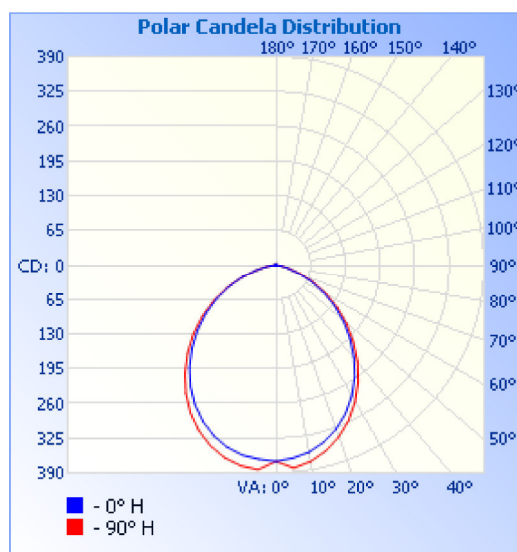
**CIE Class:** Direct

**Cutoff Class:** Cutoff

**Nema Type:** 7 X 7

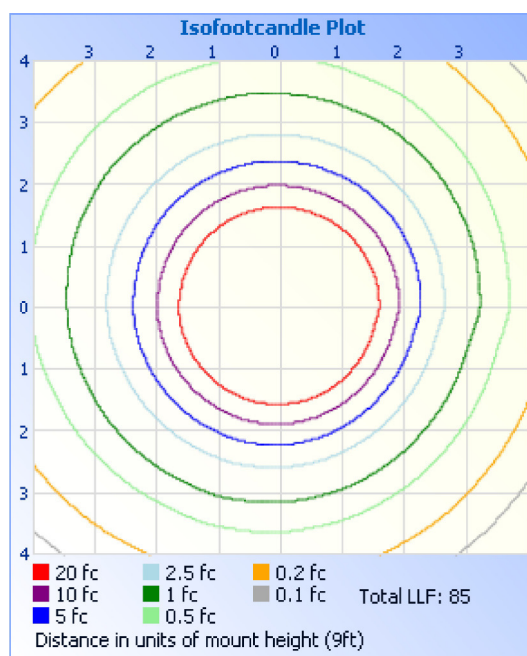
### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	280.0	31.9%
0-40	448.2	51%
0-60	742.8	84.6%
60-90	126.7	14.4%
70-100	43.1	4.9%
90-120	3.0	0.3%
0-90	869.5	99%
90-180	9.0	1%
0-180	878.5	100%



### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	34.9	4.0%	90-100	0.8	0.1%
10-20	99.0	11.3%	100-110	1.0	0.1%
20-30	146.2	16.6%	110-120	1.2	0.1%
30-40	168.2	19.2%	120-130	1.3	0.2%
40-50	162.4	18.5%	130-140	1.4	0.2%
50-60	132.2	15.0%	140-150	1.3	0.1%
60-70	84.4	9.6%	150-160	1.1	0.1%
70-80	35.3	4.0%	160-170	0.7	0.1%
80-90	7.0	0.8%	170-180	0.3	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.5ft	164 fc	3.3 ft	3.5 ft
3.0ft	40.9 fc	6.6 ft	6.9 ft
4.5ft	18.2 fc	10.0 ft	10.4 ft
6.0ft	10.2 fc	13.3 ft	13.9 ft
7.5ft	6.55 fc	16.6 ft	17.3 ft
9.0ft	4.55 fc	19.9 ft	20.8 ft

Legend:   
■ Vert. Spread: 95.8°   
■ Horiz. Spread: 98.3°

**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>				<b>70</b>				<b>50</b>			<b>30</b>			<b>10</b>			<b>0</b>
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1	1.10	1.06	1.02	.98	1.07	1.03	1.00	.86	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85
2	1.01	.93	.87	.82	.98	.91	.86	.74	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3	.92	.83	.75	.69	.90	.81	.74	.64	.78	.72	.67	.75	.70	.66	.72	.68	.65	.62
4	.85	.74	.66	.59	.83	.72	.65	.56	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54
5	.78	.66	.58	.52	.76	.65	.57	.49	.63	.56	.51	.61	.55	.50	.59	.54	.49	.47
6	.73	.60	.51	.45	.71	.59	.51	.44	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7	.67	.55	.46	.40	.66	.54	.46	.39	.52	.45	.40	.51	.44	.39	.49	.43	.39	.37
8	.63	.50	.42	.36	.61	.49	.41	.35	.48	.41	.36	.47	.40	.35	.45	.40	.35	.33
9	.59	.46	.38	.33	.57	.45	.38	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10	.55	.42	.35	.30	.54	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27



**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] 282\_16  
[TESTLAB] Kuzco Lighting  
[TESTDATE] 10 February 2016  
[ISSUEDATE] 2016-02-10 11:19:36  
[NEARFIELD]  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000A\_V1 SYSTEM  
[MANUFAC] Kuzco Lighting  
[LUMCAT] 401142-LED  
[LUMINAIRE] Pendant  
[LAMPCAT] RIG 02-2000-930-120-S3  
[LAMP] 120V LED

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 37  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: METRIC  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.