

# KUZCO LIGHTING

## LUMINAIRE PHOTOMETRIC REPORT

**Filename:** 401207BK-LED - Sampson

**Manufacturer:** Kuzco Lighting

**Luminaire:** Pendant

**Luminaire Cat:** 401207BK-LED

**Lamp Cat:** RIG 02-1600-930-120-S3

**Lamp Output:** Total luminaire Lumens: 955.8

**Max Candela:** 324.5 at Horizontal: 90°, Vertical: 5°

**Input Wattage:** 20

**Luminous Opening:** Circular (Dia: 11.22")

**Test:** 406\_16

**Test Date:** 03 May 2016

**Test Lab:** Kuzco Lighting

**Photometry :** Type C

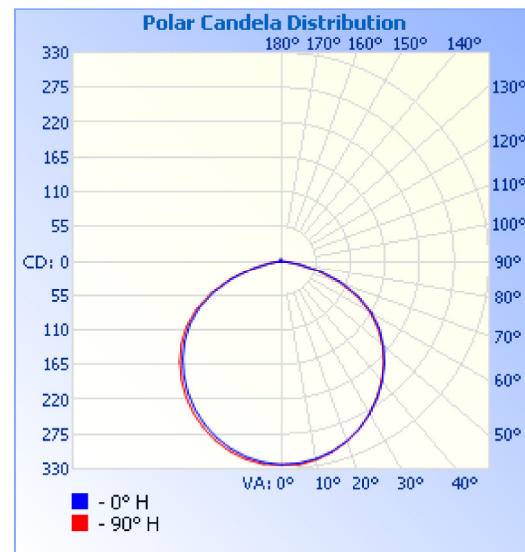
**CIE Class:** Direct

**Cutoff Class:** Cutoff

**Nema Type:** 7 X 7

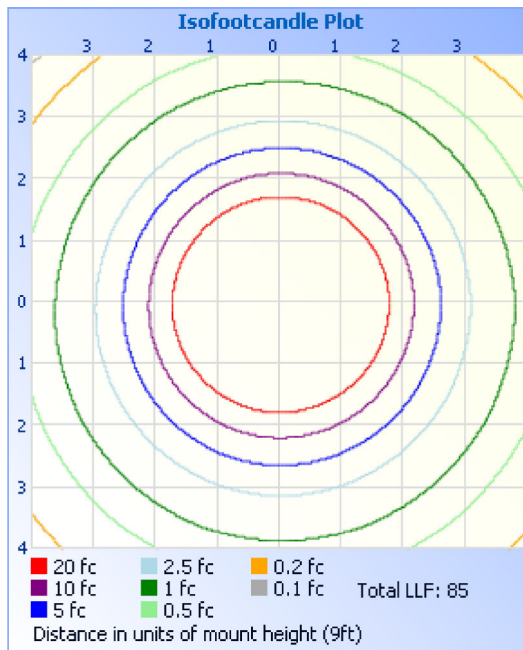
### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	252.1	26.4%
0-40	415.9	43.5%
0-60	754.3	78.9%
60-90	191.8	20.1%
70-100	68.9	7.2%
90-120	3.5	0.4%
0-90	946.1	99%
90-180	9.7	1%
0-180	955.8	100%



### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	30.6	3.2%	90-100	1.0	0.1%
10-20	87.7	9.2%	100-110	1.2	0.1%
20-30	133.8	14.0%	110-120	1.4	0.1%
30-40	163.8	17.1%	120-130	1.4	0.1%
40-50	174.7	18.3%	130-140	1.4	0.1%
50-60	163.7	17.1%	140-150	1.3	0.1%
60-70	123.9	13.0%	150-160	1.1	0.1%
70-80	58.5	6.1%	160-170	0.7	0.1%
80-90	9.4	1.0%	170-180	0.3	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
1.5ft	144 fc	5.0 ft	5.1 ft
3.0ft	35.9 fc	10.0 ft	10.1 ft
4.5ft	16.0 fc	15.0 ft	15.2 ft
6.0ft	8.98 fc	20.0 ft	20.3 ft
7.5ft	5.75 fc	25.0 ft	25.3 ft
9.0ft	3.99 fc	30.0 ft	30.4 ft

■ Vert. Spread: 118.1°  
■ Horiz. Spread: 118.8°

**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	1.09	1.04	1.00	.96	1.06	1.02	.98	.84	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2	.99	.91	.84	.78	.96	.89	.83	.71	.85	.80	.75	.82	.77	.73	.78	.75	.72	.69
3	.90	.79	.71	.65	.87	.78	.70	.60	.75	.68	.63	.72	.66	.62	.69	.64	.61	.58
4	.82	.70	.61	.55	.80	.69	.61	.51	.66	.59	.53	.64	.58	.53	.61	.56	.52	.50
5	.76	.63	.54	.47	.73	.61	.53	.45	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6	.70	.56	.47	.41	.68	.55	.47	.39	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7	.65	.51	.42	.36	.63	.50	.42	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8	.60	.46	.38	.32	.58	.46	.37	.31	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9	.56	.43	.34	.29	.55	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10	.52	.39	.31	.26	.51	.39	.31	.25	.38	.31	.26	.37	.30	.25	.36	.30	.25	.24

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	
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175	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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<b>Luminaire Report Summary</b>
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IESNA:LM-63-2002  
[TEST] 406\_16  
[TESTLAB] Kuzco Lighting  
[TESTDATE] 03 May 2016  
[ISSUEDATE] 2016-05-03 11:12:57  
[NEARFIELD]  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000A\_V1 SYSTEM  
[MANUFAC] Kuzco Lighting  
[LUMCAT] 401207BK-LED  
[LUMINAIRE] Pendant  
[LAMPCAT] RIG 02-1600-930-120-S3

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.