

# KUZCO LIGHTING

## Luminaire Photometric Report

**Filename:** 399\_16 - FM11414-WH

**Manufacturer:** Kuzco Lighting

**Luminaire:** Ceiling Mounted

**Luminaire Cat:** FM11414-WH

**Lamp Cat:** RIG 02-1600-830-120-S3

**Lamp Output:** 1 lamp, rated Lumens/lamp: 754

**Max Candela:** 323.5 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 19.1

**Luminous Opening:** Circular (Dia: 13.78")

**Test:** 399\_16

**Test Date:** 31 March 2016

**Test Lab:** Kuzco Lighting

**Photometry :** Type C

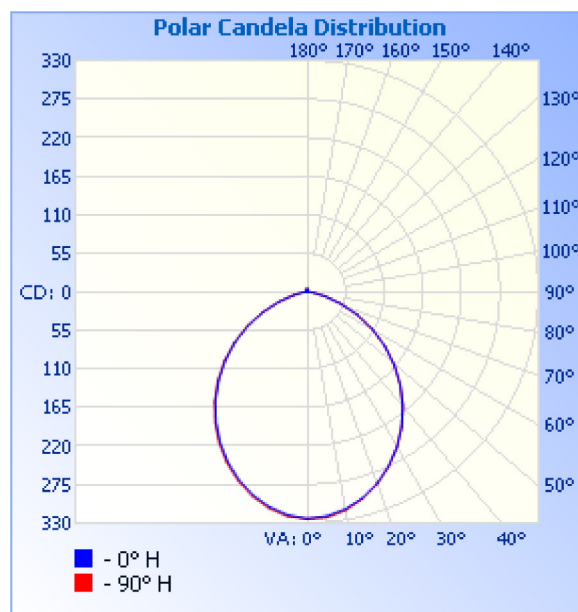
**CIE Class:** Direct

**Cutoff Class:** Cutoff

**Nema Type:** 7 X 7

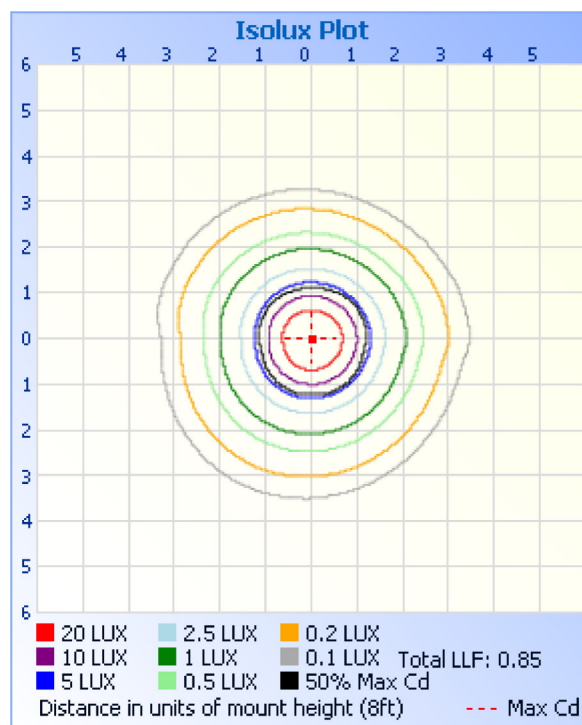
### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	240.3	31.9%	31.9%
0-40	384.4	51%	51%
0-60	641.5	85.1%	85.1%
60-90	103.5	13.7%	13.7%
70-100	30.6	4.1%	4.1%
90-120	2.8	0.4%	0.4%
0-90	745.0	98.8%	98.8%
90-180	8.8	1.2%	1.2%
0-180	753.8	100%	100%



### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	30.3	4.0%	90-100	0.7	0.1%
10-20	85.1	11.3%	100-110	0.9	0.1%
20-30	124.8	16.6%	110-120	1.2	0.2%
30-40	144.2	19.1%	120-130	1.3	0.2%
40-50	141.0	18.7%	130-140	1.4	0.2%
50-60	116.1	15.4%	140-150	1.3	0.2%
60-70	73.6	9.8%	150-160	1.0	0.1%
70-80	26.9	3.6%	160-170	0.7	0.1%
80-90	3.0	0.4%	170-180	0.3	0%



**Illuminance at a Distance**

	Center Beam LUX	Beam Width
1.3ft	2,060 LUX	3.0 ft 3.0 ft
2.7ft	478 LUX	6.2 ft 6.3 ft
4.0ft	218 LUX	9.2 ft 9.3 ft
5.3ft	124 LUX	12.2 ft 12.3 ft
6.7ft	77.6 LUX	15.5 ft 15.5 ft
8.0ft	54.4 LUX	18.5 ft 18.6 ft

■ Vert. Spread: 98.2°  
■ Horiz. Spread: 98.5°

## 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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1	1.10	1.06	1.02	.99	1.07	1.03	1.00	.86	.99	.96	.94	.95	.93	.91	.91	.89	.88	.86
2	1.01	.93	.87	.82	.98	.91	.86	.74	.88	.83	.79	.84	.81	.77	.81	.78	.75	.73
3	.93	.83	.75	.69	.90	.81	.74	.64	.78	.72	.67	.75	.70	.66	.73	.68	.65	.63
4	.85	.74	.66	.60	.83	.73	.65	.56	.70	.63	.58	.68	.62	.57	.65	.60	.56	.54
5	.79	.66	.58	.52	.76	.65	.57	.49	.63	.56	.51	.61	.55	.50	.59	.54	.50	.47
6	.73	.60	.52	.46	.71	.59	.51	.44	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7	.68	.55	.46	.40	.66	.54	.46	.39	.52	.45	.40	.51	.44	.40	.49	.44	.39	.37
8	.63	.50	.42	.36	.61	.49	.42	.35	.48	.41	.36	.47	.40	.36	.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	.43	.35	.30	.54	.42	.35	.29	.41	.34	.30	.40	.34	.29	.39	.33	.29	.27

Candela Table - Type C

	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	310	3	
0	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	3	
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10	315	314	313	313	312	312	312	312	312	316	316	315	313	312	311	311	311	311	311	312	313	313	314	315	315	315	315	315	313	314	315	316	316	3
15	304	303	302	302	301	300	300	300	301	306	304	303	301	300	299	299	299	299	300	301	302	303	303	304	305	305	304	302	303	303	305	306	3	
20	291	290	289	287	287	285	285	285	286	292	290	289	287	285	284	284	283	284	285	286	287	289	290	291	291	291	291	287	288	289	291	292	2	
25	275	273	272	270	270	269	268	268	269	275	273	272	269	268	266	266	266	267	268	269	271	272	273	275	275	275	274	270	271	272	274	276	2	
30	256	254	253	251	250	249	249	248	249	256	254	252	250	248	246	246	246	247	248	250	251	253	254	256	256	256	255	250	252	253	255	257	2	
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<b>Luminaire Report Summary</b>
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IESNA:LM-63-2002  
[TEST] 399\_16  
[TESTLAB] Kuzco Lighting  
[TESTDATE] 31 March 2016  
[ISSUEDATE] 2016-03-31 16:06:17  
[NEARFIELD]  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000A\_V1 SYSTEM  
[MANUFAC] Kuzco Lighting  
[LUMCAT] FM11414-WH  
[LUMINAIRE] Ceiling Mounted  
[LAMPCAT] RIG 02-1600-830-120-S3  
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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