

# KUZCO LIGHTING

## LUMINAIRE PHOTOMETRIC REPORT

**Filename:** 51561CH - Malta

**Manufacturer:** Kuzco Lighting

**Luminaire:** Ceiling Mount

**Luminaire Cat:** 51561CH

**Lamp:** 120V 60Wx1

**Lamp Cat:** A19 Noma 120V

**Lamp Output:** Total luminaire Lumens: 312.1

**Max Candela:** 95.0 at Horizontal: 40°, Vertical: 5°

**Input Wattage:** 60

**Luminous Opening:** Circular (Dia: 12")

**Test:** 015\_15

**Test Date:** 26 August 2015

**Test Lab:** Kuzco Lighting

**Photometry :** Type C

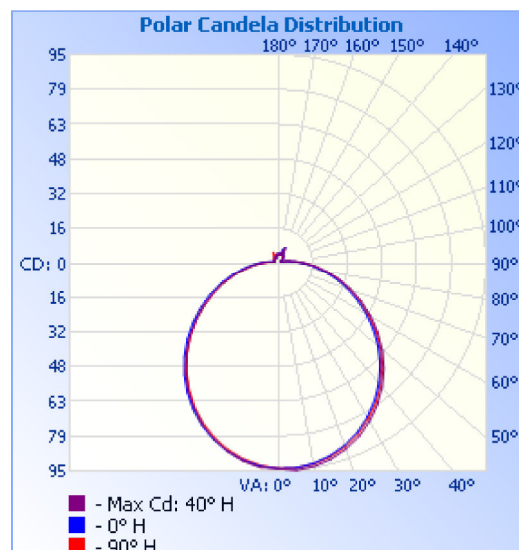
**CIE Class:** Direct

**Cutoff Class:** Semicutoff

**Nema Type:** 5 X 7

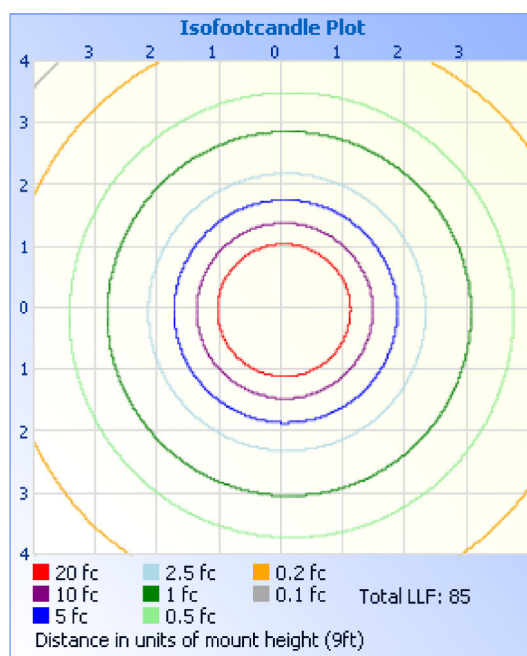
### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 72.8   | 23.3%       |
| 0-40   | 119.3  | 38.2%       |
| 0-60   | 212.6  | 68.1%       |
| 60-90  | 77.5   | 24.8%       |
| 70-100 | 48.7   | 15.6%       |
| 90-120 | 12.4   | 4%          |
| 0-90   | 290.1  | 93%         |
| 90-180 | 22.0   | 7%          |
| 0-180  | 312.1  | 100%        |



### Lumens Per Zone

| Zone  | Lumens | % Total | Zone    | Lumens | % Total |
|-------|--------|---------|---------|--------|---------|
| 0-10  | 8.9    | 2.8%    | 90-100  | 7.6    | 2.4%    |
| 10-20 | 25.4   | 8.1%    | 100-110 | 3.3    | 1%      |
| 20-30 | 38.5   | 12.3%   | 110-120 | 1.6    | 0.5%    |
| 30-40 | 46.5   | 14.9%   | 120-130 | 1.7    | 0.5%    |
| 40-50 | 48.6   | 15.6%   | 130-140 | 2.1    | 0.7%    |
| 50-60 | 44.7   | 14.3%   | 140-150 | 2.1    | 0.7%    |
| 60-70 | 36.4   | 11.7%   | 150-160 | 2.2    | 0.7%    |
| 70-80 | 25.7   | 8.3%    | 160-170 | 1.1    | 0.4%    |
| 80-90 | 15.4   | 4.9%    | 170-180 | 0.4    | 0.1%    |



**Illuminance at a Distance**

|       | Center Beam fc | Beam Width |         |
|-------|----------------|------------|---------|
| 1.5ft | 41.7 fc        | 4.7 ft     | 4.6 ft  |
| 3.0ft | 10.4 fc        | 9.3 ft     | 9.2 ft  |
| 4.5ft | 4.64 fc        | 14.0 ft    | 13.8 ft |
| 6.0ft | 2.61 fc        | 18.6 ft    | 18.4 ft |
| 7.5ft | 1.67 fc        | 23.3 ft    | 23.1 ft |
| 9.0ft | 1.16 fc        | 27.9 ft    | 27.7 ft |

■ Vert. Spread: 114.4°  
■ Horiz. Spread: 113.9°

**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 | 1.17      | 1.17      | 1.17      | 1.17     | 1.14      | 1.14      | 1.14      | .93      | 1.07      | 1.07      | 1.07      | 1.01      | 1.01      | 1.01      | .96       | .96       | .96       | .93      |
| 1      | 1.06      | 1.00      | .95       | .91      | 1.02      | .97       | .93       | .75      | .92       | .88       | .85       | .86       | .84       | .81       | .82       | .79       | .77       | .75      |
| 2      | .95       | .87       | .79       | .73      | .92       | .84       | .77       | .62      | .79       | .74       | .69       | .75       | .70       | .66       | .71       | .67       | .64       | .61      |
| 3      | .87       | .76       | .67       | .60      | .84       | .74       | .66       | .53      | .69       | .63       | .57       | .66       | .60       | .55       | .62       | .58       | .53       | .51      |
| 4      | .79       | .67       | .58       | .51      | .76       | .65       | .57       | .45      | .62       | .54       | .48       | .58       | .52       | .47       | .55       | .50       | .46       | .43      |
| 5      | .73       | .60       | .50       | .43      | .70       | .58       | .49       | .39      | .55       | .48       | .42       | .52       | .46       | .41       | .50       | .44       | .40       | .37      |
| 6      | .67       | .54       | .44       | .38      | .65       | .52       | .44       | .34      | .50       | .42       | .36       | .47       | .41       | .36       | .45       | .39       | .35       | .32      |
| 7      | .62       | .48       | .40       | .33      | .60       | .47       | .39       | .30      | .45       | .38       | .32       | .43       | .36       | .31       | .41       | .35       | .31       | .29      |
| 8      | .58       | .44       | .36       | .30      | .56       | .43       | .35       | .27      | .41       | .34       | .29       | .39       | .33       | .28       | .38       | .32       | .27       | .25      |
| 9      | .54       | .40       | .32       | .27      | .52       | .40       | .32       | .25      | .38       | .31       | .26       | .36       | .30       | .25       | .35       | .29       | .25       | .23      |
| 10     | .51       | .37       | .29       | .24      | .49       | .37       | .29       | .22      | .35       | .28       | .23       | .34       | .27       | .23       | .32       | .27       | .22       | .21      |



**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] 015\_15  
[TESTLAB] Kuzco Lighting  
[TESTDATE] 26 August 2015  
[ISSUEDATE] 2015-08-26 13:03:35  
[NEARFIELD]  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000A\_V1 SYSTEM  
[MANUFAC] Kuzco Lighting  
[LUMCAT] 51561CH  
[LUMINAIRE] Ceiling Mount  
[LAMPCAT] A19 Noma 120V  
[LAMP] 120V 60Wx1

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

Photometrics Pro 1.3.29 copyright 2003-2020 by jSolutions, Inc.  
Reported data calculated from manufacturer's data file, based on IES recommended methods.