

KUZCO LIGHTING

LUMINAIRE PHOTOMETRIC REPORT

Filename: 401207WH-LED - Sampson

Manufacturer: Kuzco Lighting

Luminaire: Pendant

Luminaire Cat: 401207WH-LED

Lamp: 120V LED

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

Lamp Output: Total luminaire Lumens: 974.2

Max Candela: 318.1 at Horizontal: 0°, Vertical: 0°

Input Wattage: 20

Luminous Opening: Circular (Dia: 16")

Test: 290_16

Test Date: 15 February 2016

Test Lab: Kuzco Lighting

Photometry : Type C

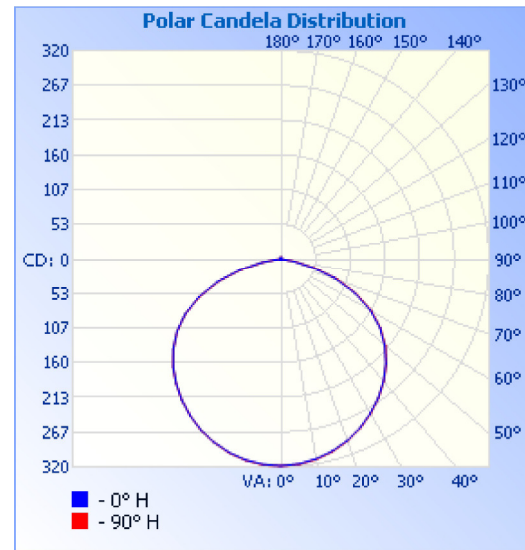
CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

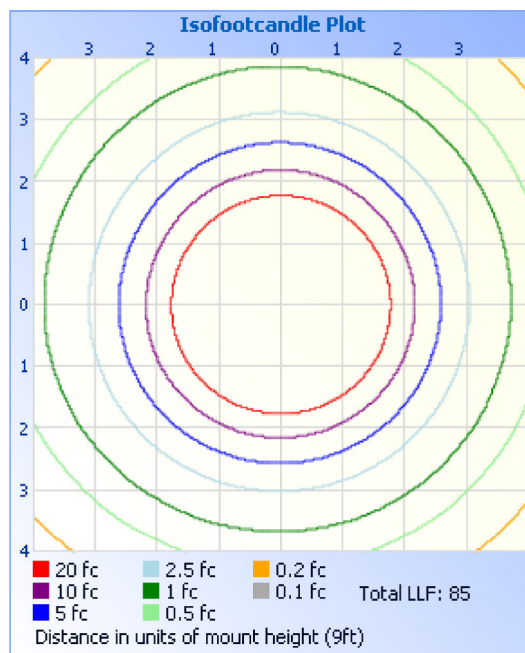
Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 249.8 | 25.6% |
| 0-40 | 414.5 | 42.5% |
| 0-60 | 762.2 | 78.2% |
| 60-90 | 202.2 | 20.8% |
| 70-100 | 73.4 | 7.5% |
| 90-120 | 3.6 | 0.4% |
| 0-90 | 964.4 | 99% |
| 90-180 | 9.9 | 1% |
| 0-180 | 974.2 | 100% |



Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|--------|---------|---------|--------|---------|
| 0-10 | 30.1 | 3.1% | 90-100 | 1.0 | 0.1% |
| 10-20 | 86.7 | 8.9% | 100-110 | 1.2 | 0.1% |
| 20-30 | 133.1 | 13.7% | 110-120 | 1.4 | 0.1% |
| 30-40 | 164.6 | 16.9% | 120-130 | 1.4 | 0.1% |
| 40-50 | 178.3 | 18.3% | 130-140 | 1.4 | 0.1% |
| 50-60 | 169.5 | 17.4% | 140-150 | 1.3 | 0.1% |
| 60-70 | 129.8 | 13.3% | 150-160 | 1.1 | 0.1% |
| 70-80 | 62.2 | 6.4% | 160-170 | 0.7 | 0.1% |
| 80-90 | 10.2 | 1.0% | 170-180 | 0.3 | 0% |



Illuminance at a Distance

| | Center Beam fc | Beam Width | |
|-------|----------------|------------|---------|
| 1.5ft | 141 fc | 5.4 ft | 5.4 ft |
| 3.0ft | 35.3 fc | 10.8 ft | 10.8 ft |
| 4.5ft | 15.7 fc | 16.1 ft | 16.2 ft |
| 6.0ft | 8.84 fc | 21.5 ft | 21.5 ft |
| 7.5ft | 5.66 fc | 26.9 ft | 26.9 ft |
| 9.0ft | 3.93 fc | 32.3 ft | 32.3 ft |

Legend:
■ Vert. Spread: 121.7°
■ Horiz. Spread: 121.8°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| | | | | | | | | | | | | | | | | | | |
|--------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| 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 | .89 | .87 | .85 | .83 |
| 2 | .99 | .90 | .84 | .78 | .96 | .88 | .82 | .70 | .85 | .79 | .75 | .81 | .77 | .73 | .78 | .74 | .71 | .69 |
| 3 | .90 | .79 | .71 | .64 | .87 | .77 | .70 | .59 | .74 | .68 | .62 | .71 | .66 | .61 | .69 | .64 | .60 | .58 |
| 4 | .82 | .70 | .61 | .54 | .80 | .68 | .60 | .51 | .66 | .59 | .53 | .63 | .57 | .52 | .61 | .56 | .51 | .49 |
| 5 | .75 | .62 | .53 | .46 | .73 | .61 | .52 | .44 | .59 | .51 | .45 | .57 | .50 | .45 | .55 | .49 | .44 | .42 |
| 6 | .69 | .56 | .47 | .40 | .67 | .55 | .46 | .38 | .53 | .45 | .40 | .51 | .44 | .39 | .49 | .43 | .39 | .37 |
| 7 | .64 | .50 | .42 | .35 | .62 | .50 | .41 | .34 | .48 | .40 | .35 | .46 | .40 | .34 | .45 | .39 | .34 | .32 |
| 8 | .60 | .46 | .37 | .31 | .58 | .45 | .37 | .30 | .44 | .36 | .31 | .42 | .36 | .31 | .41 | .35 | .30 | .29 |
| 9 | .56 | .42 | .34 | .28 | .54 | .41 | .33 | .27 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .27 | .26 |
| 10 | .52 | .39 | .31 | .25 | .51 | .38 | .31 | .25 | .37 | .30 | .25 | .36 | .30 | .25 | .35 | .29 | .25 | .23 |

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 290_16
[TESTLAB] Kuzco Lighting
[TESTDATE] 15 February 2016
[ISSUEDATE] 2016-02-15 09:51:08
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
[MANUFAC] Kuzco Lighting
[LUMCAT] 401207WH-LED
[LUMINAIRE] Pendant
[LAMPCAT] RIG 02-1600-930-120-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.