

KUZCO LIGHTING

LUMINAIRE PHOTOMETRIC REPORT

Filename: 402401CH-LED - Malabar

Manufacturer: Kuzco Lighting

Luminaire: Pendant

Luminaire Cat: 402401CH-LED

Lamp Cat: PND 01-400-930-120-S1

Lamp Output: Total luminaire Lumens: 199.5

Max Candela: 34.7 at Horizontal: 270°, Vertical: 1°

Input Wattage: 4.6

Luminous Opening: Circular (Dia: 3.03")

Test: 1028_18

Test Date: 15 February 2018

Test Lab: Kuzco Lighting

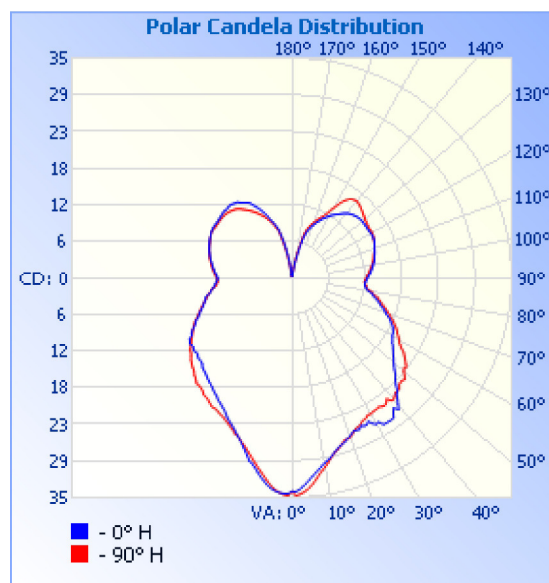
Photometry : Type C

CIE Class: General Diffuse

Cutoff Class: Noncutoff

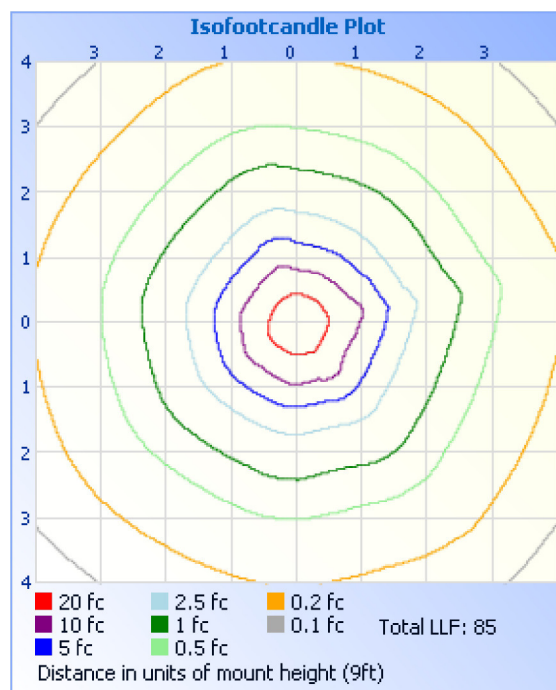
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	22.6	11.3%
0-40	37.5	18.8%
0-60	72.1	36.2%
60-90	44.8	22.4%
70-100	41.6	20.9%
90-120	42.1	21.1%
0-90	116.9	58.6%
90-180	82.6	41.4%
0-180	199.5	100%



Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	3.0	1.5%	90-100	13.6	6.8%
10-20	7.9	4.0%	100-110	14.3	7.2%
20-30	11.6	5.8%	110-120	14.3	7.1%
30-40	14.9	7.5%	120-130	13.2	6.6%
40-50	17.1	8.6%	130-140	11.4	5.7%
50-60	17.5	8.8%	140-150	8.7	4.3%
60-70	16.7	8.4%	150-160	5.1	2.6%
70-80	14.9	7.5%	160-170	2.0	1%
80-90	13.2	6.6%	170-180	0.1	0.1%



Illuminance at a Distance

	Center Beam fc	Beam Width
1.5ft	15.1 fc	6.7 ft 6.7 ft
3.0ft	3.78 fc	13.3 ft 13.5 ft
4.5ft	1.68 fc	20.0 ft 20.2 ft
6.0ft	0.94 fc	26.7 ft 26.9 ft
7.5ft	0.60 fc	33.3 ft 33.7 ft
9.0ft	0.42 fc	40.0 ft 40.4 ft

■ Vert. Spread: 131.5°
■ Horiz. Spread: 132.0°

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	1.09	1.09	1.09	1.09	1.02	1.02	1.02	.59	.88	.88	.88	.76	.76	.76	.64	.64	.64	.59
1	.97	.91	.86	.81	.90	.85	.80	.44	.73	.69	.66	.62	.59	.57	.52	.50	.48	.43
2	.87	.78	.70	.64	.80	.72	.66	.35	.62	.57	.53	.53	.49	.45	.44	.41	.38	.34
3	.79	.68	.59	.52	.73	.63	.55	.29	.54	.48	.43	.46	.41	.37	.38	.35	.31	.28
4	.72	.59	.50	.43	.66	.55	.47	.24	.47	.41	.36	.40	.35	.31	.34	.30	.26	.23
5	.66	.53	.44	.37	.60	.49	.41	.21	.42	.36	.31	.36	.31	.27	.30	.26	.23	.19
6	.60	.47	.38	.32	.56	.44	.36	.18	.38	.31	.26	.32	.27	.23	.27	.23	.20	.17
7	.56	.42	.34	.28	.51	.39	.32	.16	.34	.28	.23	.29	.24	.20	.25	.20	.17	.15
8	.52	.38	.30	.24	.48	.36	.28	.14	.31	.25	.20	.27	.22	.18	.23	.18	.15	.13
9	.48	.35	.27	.21	.44	.33	.25	.13	.29	.22	.18	.25	.20	.16	.21	.17	.14	.12
10	.45	.32	.24	.19	.42	.30	.23	.11	.26	.20	.16	.23	.18	.14	.19	.15	.12	.10

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	
0	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
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2	34	34	34	34	34	33	33	33	32	32	35	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	33	33	35	34	34	34
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167	4	4	4	5	5	6	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	5
168	3	3	3	4	5	5	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	5	5	4	5	5	6	5	5	5	5	5	5
169	3	2	3	3	4	4	4	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	5	5	4	4	4	4	4
170	2	2	2	3	3	3	3	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	4	4	3	3	3	3	3
171	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	2	2	2	2	2
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174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0
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176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 1028_18
[TESTLAB] Kuzco Lighting
[TESTDATE] 15 February 2018
[ISSUEDATE] 2018-02-15 11:28:26
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
[MANUFAC] Kuzco Lighting
[LUMCAT] 402401CH-LED
[LUMINAIRE] Pendant
[LAMPCAT] PND 01-400-930-120-S1

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, 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.