



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 822142EX.LDT

DESCRIPTION INFORMATION (From Photometric File)

EULUMDAT
[MANUFAC] PALAZZOLI
[EULUMDAT_ITYP] 2
[EULUMDAT_HDIST] 10
[EULUMD_VDIST] 2.5
[TEST] PALAZZOLI 1267-QL16-S05
[LUMINAIRE] 822142-EX
[LUMCAT] 822142-EX
[EULUM_FILENAME] 822142EX.LDT
[ISSUEDATE] 23-11-2016 / 1.09.10
[EULUM_AREALENGTH] 700
[EULUM_AREAWIDTH] 160
[EULUM_C0_LUM] 1
[EULUM_C90_LUM] 1
[EULUM_C180_LUM] 1
[EULUM_C270_LUM] 1
[EULUM_DOWN_FLUX] 100
[EULUM_EFFICIENCY] 100
[EULUM_CONV] 1
[EULUM_TILT] 0.00
[EULUM_LAMP_1_NUM] 1
[EULUM_LAMP_1_TYPE] LED
[EULUM_LAMP_1_FLUX] 2885.63
[EULUM_LAMP_1_COLOR] 0
[EULUM_LAMP_1_CRG]
[EULUM_LAMP_1_WATTS] 23.73
[LAMP] LED
[EULUM_DR_0] 0.3243
[EULUM_DR_1] 0.41704
[EULUM_DR_2] 0.49531
[EULUM_DR_3] 0.57146
[EULUM_DR_4] 0.62878
[EULUM_DR_5] 0.71633
[EULUM_DR_6] 0.77212
[EULUM_DR_7] 0.81137
[EULUM_DR_8] 0.85766
[EULUM_DR_9] 0.88523

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CHARACTERISTICS

Lumens Per Lamp	2885.63 (1 lamp)
Total Lamp Lumens	2885.63
Luminaire Lumens	2886
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	23.73
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.70 m
Luminous Width (90-270)	0.16 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9113	8949	10007
55	8470	8659	9291
65	6584	7553	7774
75	427	3008	4714
85	281	529	1044

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	406.43	14.10	14.10
0-30	849.47	29.40	29.40
0-40	1381.81	47.90	47.90
0-60	2433.22	84.30	84.30
0-80	2876.09	99.70	99.70
0-90	2885.64	100.00	100.00
10-90	2776.53	96.20	96.20
20-40	975.38	33.80	33.80
20-50	1530.83	53.10	53.00
40-70	1389.9	48.20	48.20
60-80	442.86	15.30	15.30
70-80	104.38	3.60	3.60
80-90	9.55	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	2885.64	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.11
10-20	297.32
20-30	443.05
30-40	532.33
40-50	555.45
50-60	495.96
60-70	338.48
70-80	104.38
80-90	9.55
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

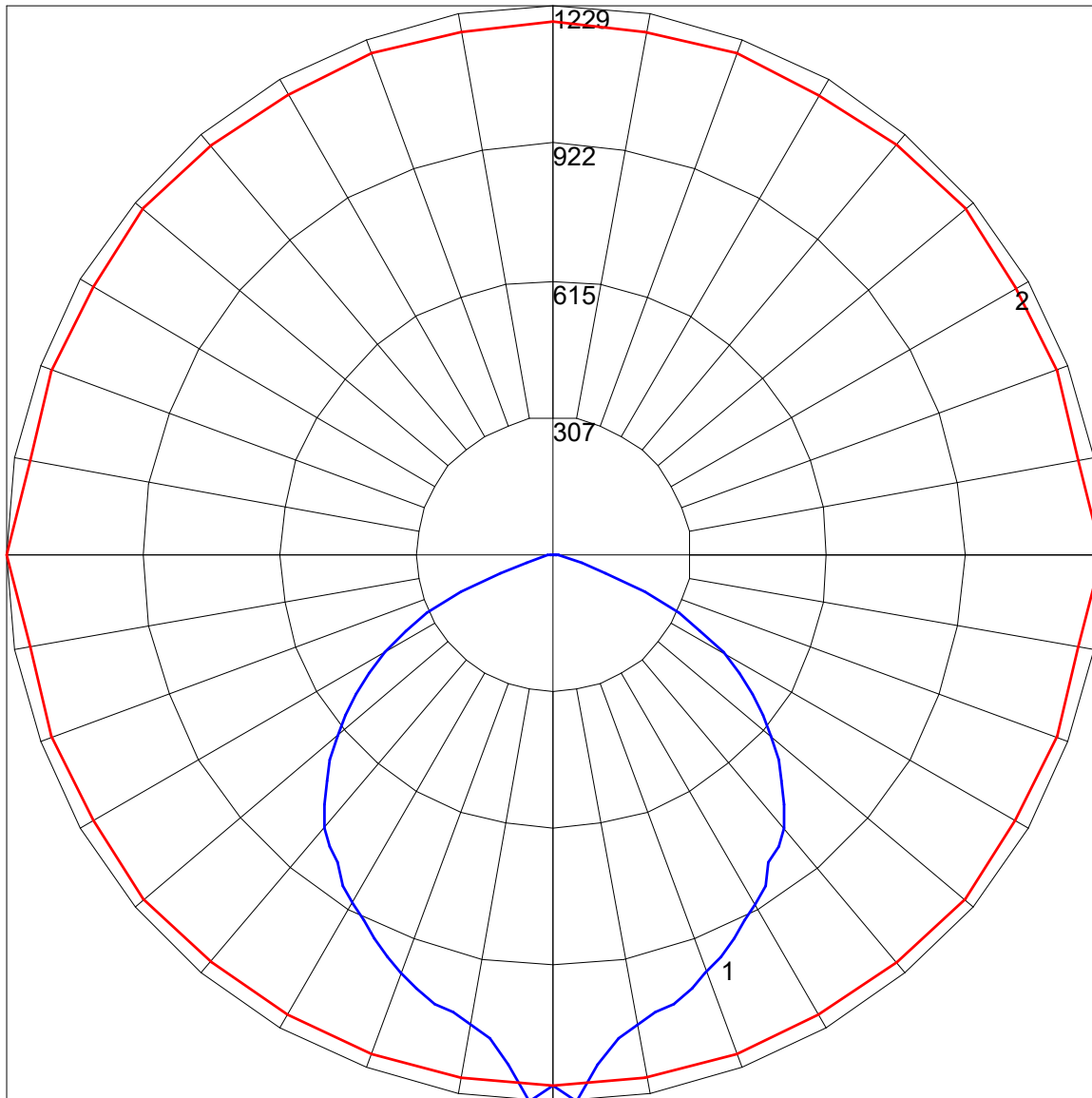
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	73
3	92	82	74	68	90	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	49	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1229.249 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)