

KETRA

IES INDOOR REPORT

PHOTOMETRIC FILENAME : KETRA D3 WW 13W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Radiant Zemax ProSource

[ISSUE DATE]1/13/2017 3:51:20 PM

[TEST DATE]04-Jan-2017 16:12:40

[MANUFAC] Ketra Inc

[LAMP] LED

[LUMCAT] D3WWSx13BTWWxxNCICxx / D3TxxSW1xxW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	578
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41256	31681	16718
55	31519	23923	13324
65	23414	16568	9168
75	15820	8218	2981
85	1063	81	97

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	117.34	N.A.	20.30
0-30	232.60	N.A.	40.30
0-40	348.71	N.A.	60.40
0-60	519.70	N.A.	90.00
0-80	576.45	N.A.	99.80
0-90	577.52	N.A.	100.00
10-90	545.93	N.A.	94.50
20-40	231.37	N.A.	40.10
20-50	330.61	N.A.	57.20
40-70	212.76	N.A.	36.80
60-80	56.74	N.A.	9.80
70-80	14.97	N.A.	2.60
80-90	1.08	N.A.	0.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	577.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.59
10-20	85.75
20-30	115.26
30-40	116.11
40-50	99.24
50-60	71.75
60-70	41.77
70-80	14.97
80-90	1.08
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

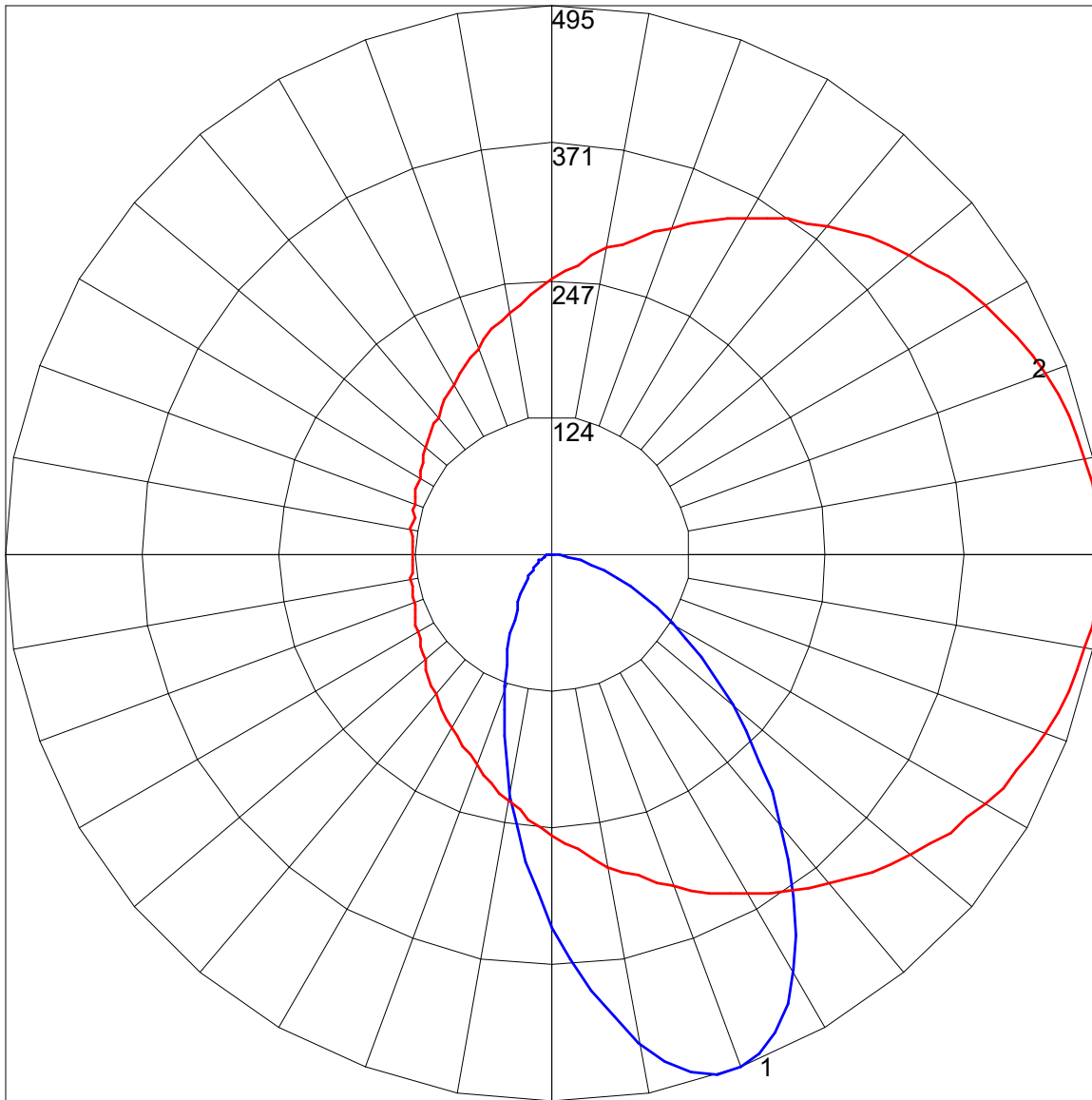
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	64	56	51	62	55	50	60	54	50	59	53	49	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	35	44	38	34	33

POLAR GRAPH



Maximum Candela = 494.819 Located At Horizontal Angle = 0, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)