

KETRA

IES INDOOR REPORT

PHOTOMETRIC FILENAME : KETRA D3 WW 18W.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] D3WWSx18BTWWxxNCICxx / D3TxxSW1xxW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	714
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	18
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	51027	39185	20677
55	38984	29589	16479
65	28959	20492	11340
75	19567	10164	3688
85	1314	100	121

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	145.13	N.A.	20.30
0-30	287.69	N.A.	40.30
0-40	431.30	N.A.	60.40
0-60	642.79	N.A.	90.00
0-80	712.97	N.A.	99.80
0-90	714.30	N.A.	100.00
10-90	675.23	N.A.	94.50
20-40	286.17	N.A.	40.10
20-50	408.91	N.A.	57.20
40-70	263.15	N.A.	36.80
60-80	70.18	N.A.	9.80
70-80	18.52	N.A.	2.60
80-90	1.33	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	714.30	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.07
10-20	106.06
20-30	142.56
30-40	143.61
40-50	122.74
50-60	88.75
60-70	51.66
70-80	18.52
80-90	1.33
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

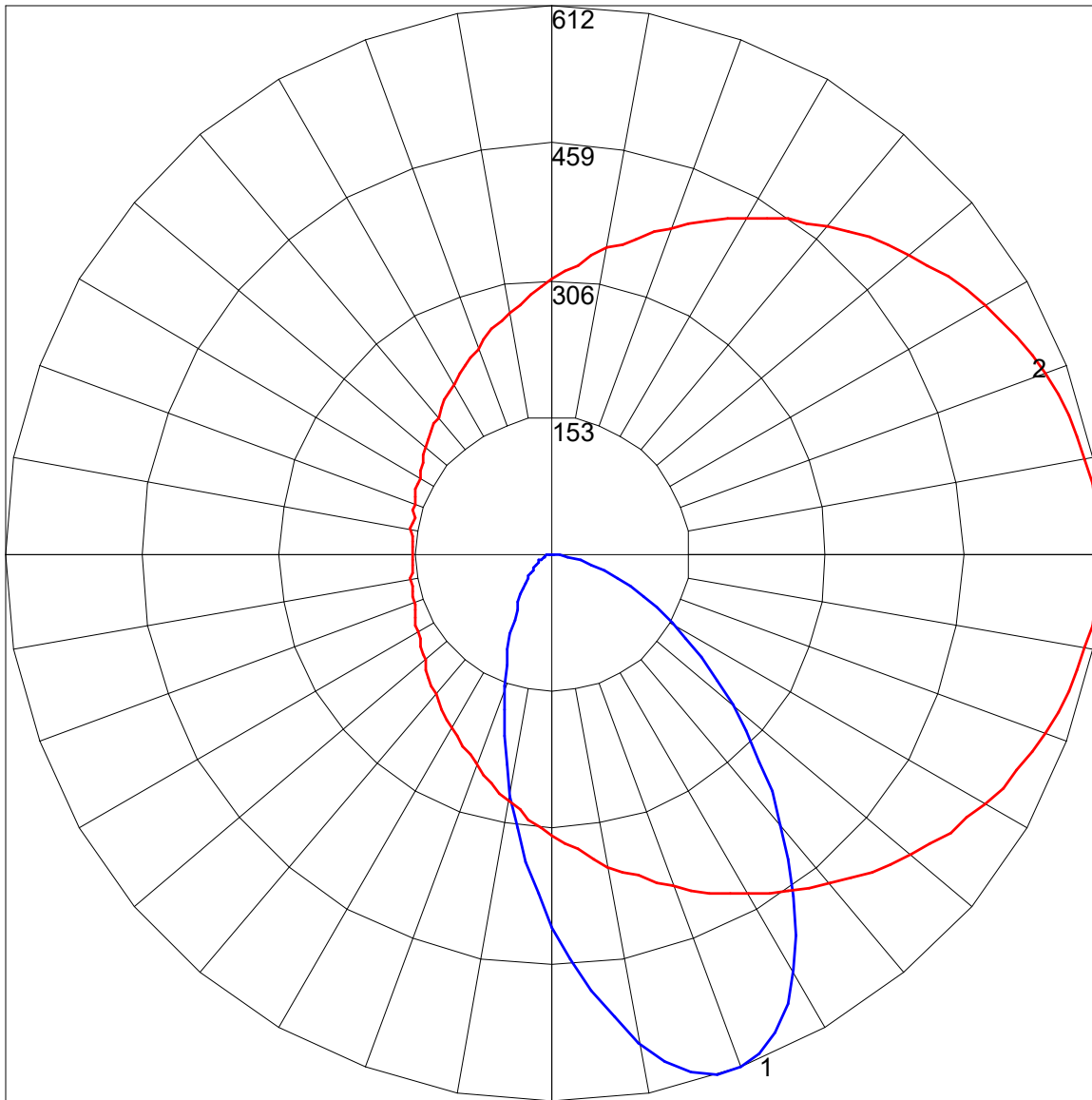
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	92	90	89
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	77	70	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	40	35	46	39	35	45	39	35	44	38	34	33

POLAR GRAPH



Maximum Candela = 612.013 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.)