

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NICHE1808W3K5120D120D120VAC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/29/2017 11:38
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] NICHE-HV
 [LUMINAIRE] 08W, 120°, CLEAR, CLEAR ANODIZED, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3500K
 [_VOLTAGE] 121.0 V
 [_CURRENT] 0.066 A
 [_POWERFACTOR] 0.964
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	564.6 (1 lamp)
Total Lamp Lumens	564.6
Luminaire Lumens	565
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	7.73
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 m
Luminous Width (90-270)	0.02 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	34209	35167	36105
55	32389	33200	33643
65	27432	28014	4327
75	20266	3425	4160
85	5058	3798	4625

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	80.54	14.30	14.30
0-30	172.06	30.50	30.50
0-40	283.66	50.20	50.20
0-60	499.82	88.50	88.50
0-80	562.51	99.60	99.60
0-90	564.63	100.00	100.00
10-90	543.85	96.30	96.30
20-40	203.11	36.00	36.00
20-50	319.19	56.50	56.50
40-70	264.25	46.80	46.80
60-80	62.70	11.10	11.10
70-80	14.61	2.60	2.60
80-90	2.12	0.40	0.40
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	564.63	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.78
10-20	59.77
20-30	91.52
30-40	111.59
40-50	116.08
50-60	100.08
60-70	48.09
70-80	14.61
80-90	2.12
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

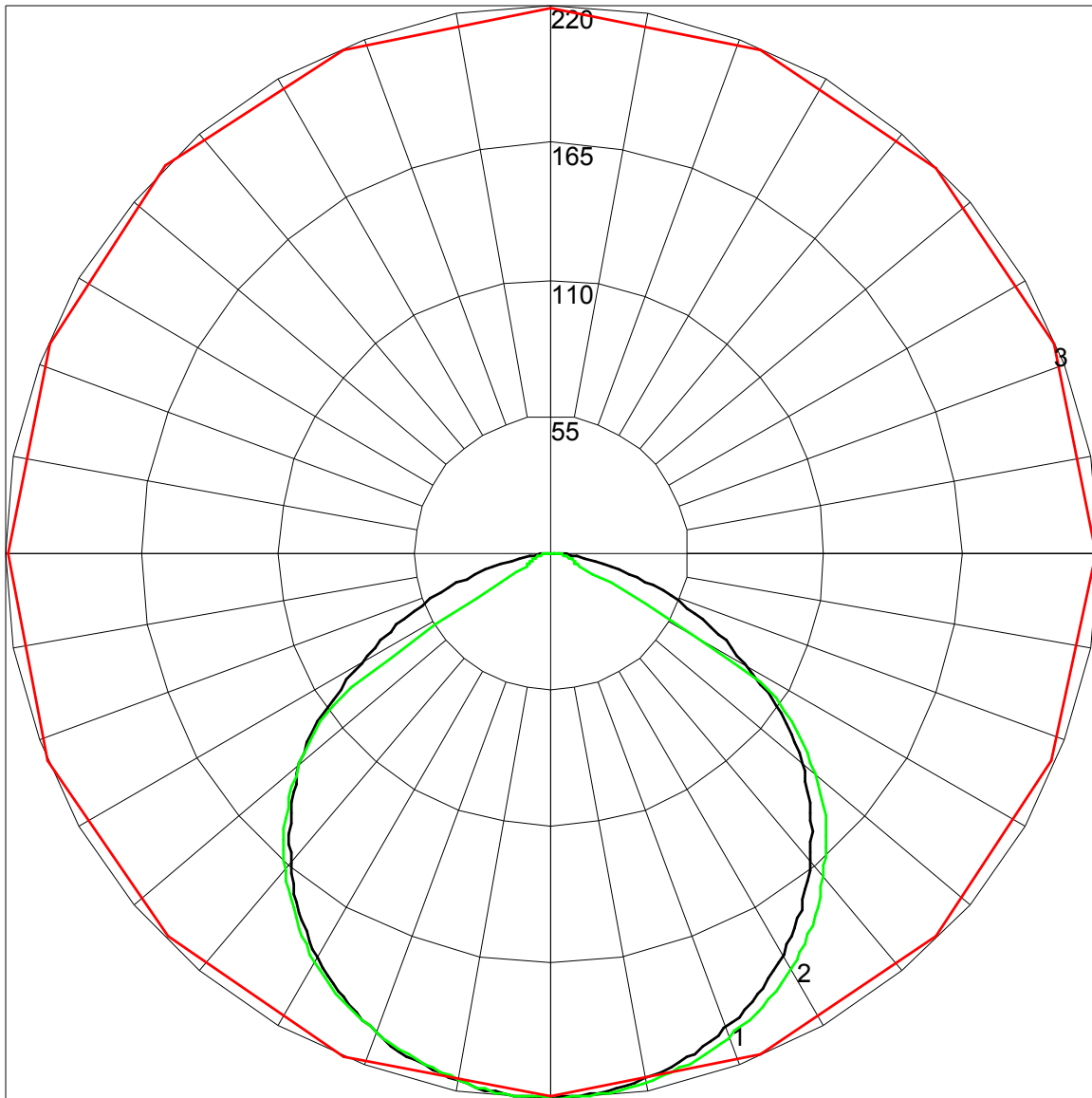
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 219.8 Located At Horizontal Angle = 135, Vertical Angle = 4

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)