

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BFZ100-S-48_INDRECT-LAMBERTIAN_PHOTOM_190607 COMBINED WITH DIRECT 190607.I

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 12899538.02 combined with 12899538.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 6/10/2019
 [MANUFAC] BARTCO LIGHTING INC
 [LUMCAT] BFZ100-S-E1-E1-48-35-N-NA-R-1-AW
 [LUMINAIRE] White rectangular metal housing with plastic diffuse lens
 [MORE] on each side
 [LAMP] 352 White LEDs (Indirect)
 [MORE] 640 White LEDs (Direct)
 [BALLAST] Two (2) Osram OT96W/24V/UNV/DIM
 [OTHER] 24.5 C, 120.025 V, 0.261665 A, 31.0855 W, 0.989787 PF, 59.9997
 [MORE] Hz
 [MORE] 24.7 C, 120.036 V, 0.248824 A, 29.5427 W, 0.989117 PF, 59.9994
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5959
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	60.6282
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13749	13737	13649
55	12759	12695	12596
65	11812	11656	11561
75	10642	10618	10518
85	9771	9660	9550

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Zone	Lumens	%Lamp	%Fixt
0-20	370.03	N.A.	6.20
0-30	772.72	N.A.	13.00
0-40	1240.06	N.A.	20.80
0-60	2110.00	N.A.	35.40
0-80	2594.53	N.A.	43.50
0-90	2652.39	N.A.	44.50
10-90	2555.6	N.A.	42.90
20-40	870.03	N.A.	14.60
20-50	1334.97	N.A.	22.40
40-70	1173.71	N.A.	19.70
60-80	484.53	N.A.	8.10
70-80	180.76	N.A.	3.00
80-90	57.86	N.A.	1.00
90-110	180.10	N.A.	3.00
90-120	502.49	N.A.	8.40
90-130	1015.29	N.A.	17.00
90-150	2300.14	N.A.	38.60
90-180	3306.32	N.A.	55.50
110-180	3126.23	N.A.	52.50
0-180	5958.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.79
10-20	273.24
20-30	402.69
30-40	467.35
40-50	464.93
50-60	405.00
60-70	303.77
70-80	180.76
80-90	57.86
90-100	30.65
100-110	149.44
110-120	322.39
120-130	512.80
130-140	640.44
140-150	644.41
150-160	535.62
160-170	349.26
170-180	121.30

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

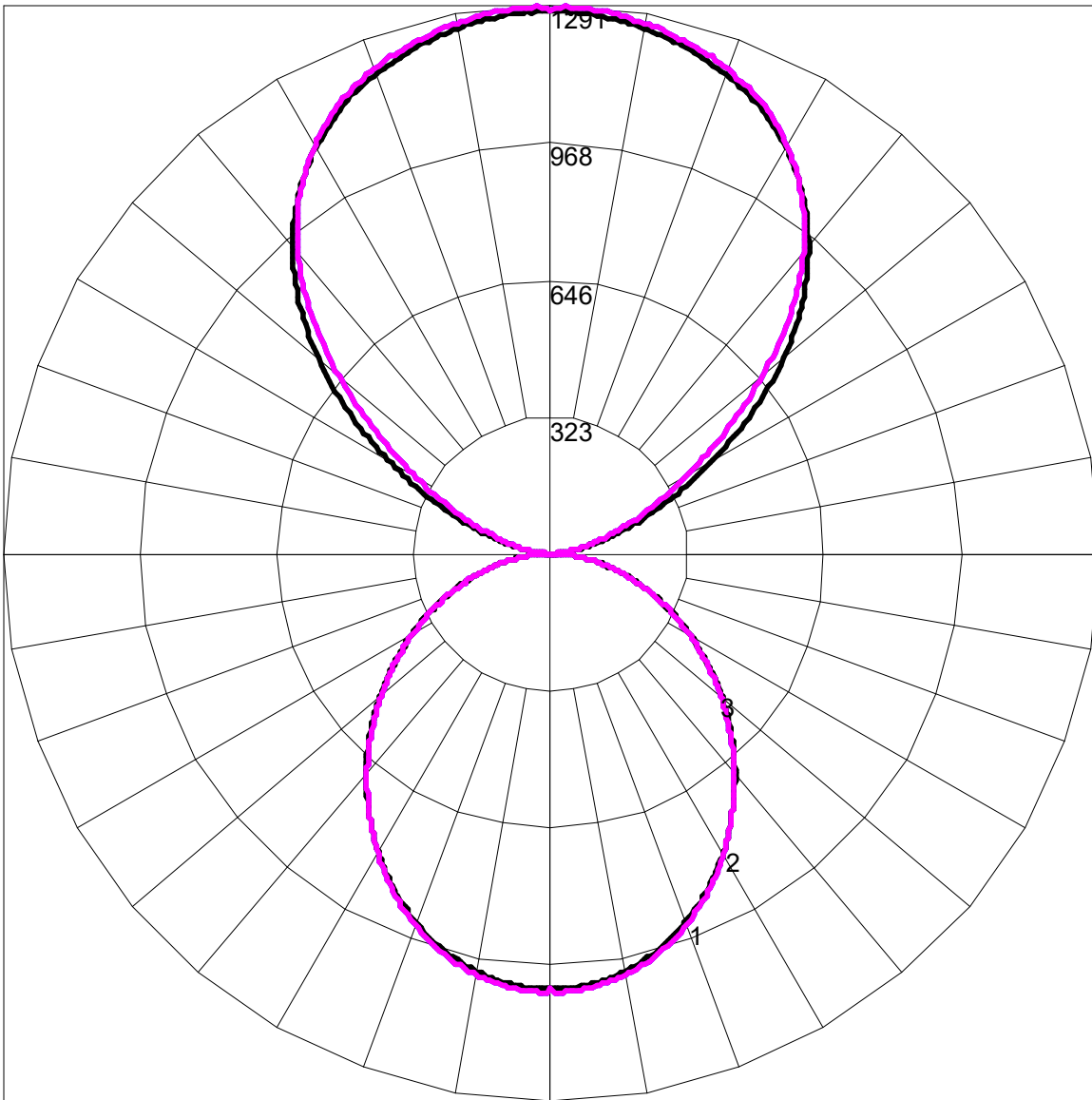
Effective Floor Cavity Reflectance 0.20

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	45	44	43	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	40	38	36	31
3	80	71	63	58	73	65	59	53	54	49	46	44	41	38	35	33	31	26
4	73	62	55	49	67	58	51	45	48	43	39	39	36	33	31	29	26	23
5	67	56	48	42	61	51	44	39	43	38	33	35	31	28	28	25	23	20
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	26	23	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	27	22	19	21	18	16	14
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	20	17	15	12
10	46	34	27	22	42	32	25	21	27	22	18	23	19	16	18	15	13	11

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POLAR GRAPH



Maximum Candela = 1291 Located At Horizontal Angle = 90, Vertical Angle = 178.5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

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