

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BFZ100-S-48_INDRECT-BATWING_PHOTOM_190606 COMBINED WITH DIRECT 190607.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 12899538.03 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-2-AW
[LUMINAIRE] White rectangular metal housing with plastic diffuse lens
[LAMP] 384 White LEDs (indirect)
[MORE] 640 White LEDs (direct)
[BALLAST] Two (2) Osram OT96W/24V/UNV/DIM
[OTHER] 25.8 C, 120.017 V, 0.280958 A, 33.401 W, 0.990552 PF, 59.9995
[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	5456
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	62.9437
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.	6.80
0-30	772.72	N.A.	14.20
0-40	1240.06	N.A.	22.70
0-60	2110.00	N.A.	38.70
0-80	2594.53	N.A.	47.60
0-90	2652.39	N.A.	48.60
10-90	2555.6	N.A.	46.80
20-40	870.03	N.A.	15.90
20-50	1334.97	N.A.	24.50
40-70	1173.71	N.A.	21.50
60-80	484.53	N.A.	8.90
70-80	180.76	N.A.	3.30
80-90	57.86	N.A.	1.10
90-110	348.11	N.A.	6.40
90-120	854.44	N.A.	15.70
90-130	1446.14	N.A.	26.50
90-150	2362.79	N.A.	43.30
90-180	2803.59	N.A.	51.40
110-180	2455.48	N.A.	45.00
0-180	5455.98	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	64.37
100-110	283.74
110-120	506.33
120-130	591.70
130-140	523.91
140-150	392.74
150-160	257.65
160-170	139.86
170-180	43.28

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

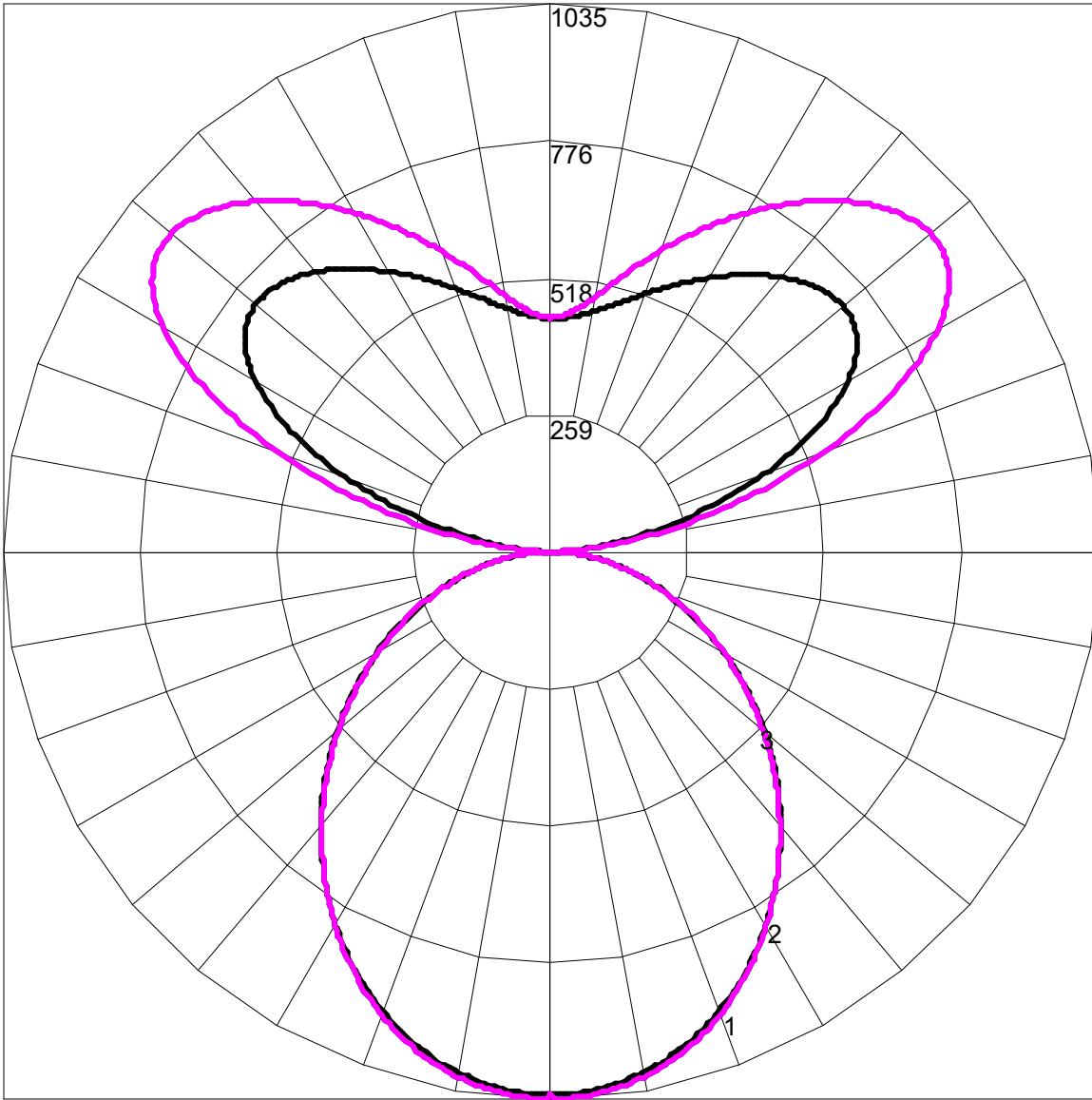
Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	97	93	89	86	89	86	82	79	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	59	54	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	51	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	63	50	42	37	57	47	40	34	40	34	30	34	29	26	27	24	22	19
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	25	22	19	17
8	54	41	34	28	49	38	32	27	33	27	24	28	24	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	26	21	18	21	18	16	14
10	47	35	27	23	43	32	26	21	28	23	19	24	20	17	20	17	14	12

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POLAR GRAPH



Maximum Candela = 1035 Located At Horizontal Angle = 90, Vertical Angle = .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)