



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DIG-S22-240TT-AD-EB2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14229.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 05-AUG-2008
 [MANUFAC] H.E. WILLIAMS, INC
 [LUMINAIRE] 2/40W BIAX LAMP 2x2'RECESSED MNT LUMINAIRE w/WHITE REFL
 [MORE] CENTER FROSTED EXTERNAL RIBBED ACRYLIC LENS REFL=90%
 [MORE] HOWARD INDUSTRIES BALLAST #EP2/40IS-TT/MV/SC WATTS=65
 [LUMCAT] DIG-S22-240TT-AD-EB2-UNV
 [LAMPCAT] FT40/2G11/835

CHARACTERISTICS

Lumens Per Lamp	3150 (2 lamps)
Total Lamp Lumens	6300
Luminaire Lumens	5143
Total Luminaire Efficiency	82 %
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	65
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.91 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4414	5250	5751
55	3835	5065	5766
65	3309	4687	5376
75	2528	3792	4175
85	1205	1791	1894

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1813	1813	1813	1813	1813
5	1809	1807	1804	1802	1803
10	1779	1779	1783	1784	1787
15	1727	1736	1746	1757	1761
20	1658	1673	1696	1718	1727
25	1567	1588	1635	1673	1682
30	1454	1487	1555	1610	1623
35	1333	1374	1463	1528	1548
40	1190	1251	1353	1436	1455
45	1040	1114	1237	1328	1355
50	879	975	1109	1207	1237
55	733	830	968	1075	1102
60	600	685	820	925	946
65	466	548	660	738	757
70	338	408	501	538	547
75	218	271	327	351	360
80	116	146	180	182	179
85	35	44	52	53	55
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1415.28	22.50	27.50
0-40	2322.73	36.90	45.20
0-60	4109.3	65.20	79.90
0-90	5142.92	81.60	100.00
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
0-180	5142.92	81.60	100.00

Total Luminaire Efficiency = 81.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.57
10-20	492.83
20-30	750.88
30-40	907.45
40-50	940.00
50-60	846.58
60-70	631.60
70-80	331.03
80-90	70.99
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

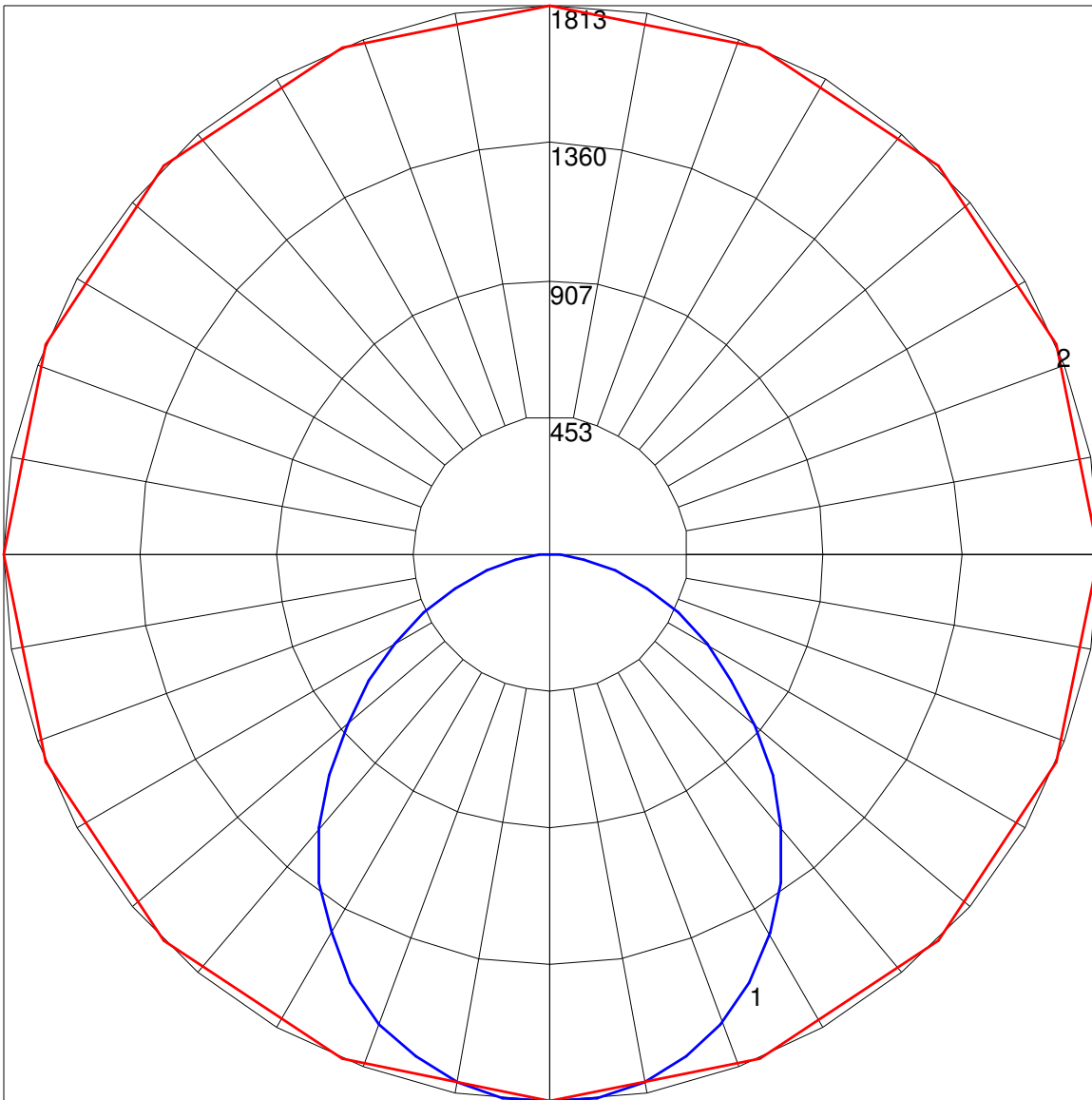
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	97	97	97	95	95	95	95	91	91	91	87	87	87	83	83	83	82	82
1	89	85	82	79	87	83	80	77	80	77	75	77	75	73	74	72	70	69	69
2	81	74	69	64	79	73	68	63	70	66	62	67	64	60	65	62	59	57	57
3	74	65	59	53	72	64	58	53	61	56	52	59	55	51	57	53	50	48	48
4	68	58	51	45	66	57	50	45	55	49	44	53	48	44	51	47	43	41	41
5	62	52	44	39	60	51	44	39	49	43	38	47	42	38	46	41	37	36	36
6	57	46	39	34	56	46	39	34	44	38	33	43	37	33	41	37	33	31	31
7	53	42	35	30	52	41	35	30	40	34	30	39	33	29	38	33	29	27	27
8	49	38	31	27	48	38	31	27	37	31	26	36	30	26	35	30	26	24	24
9	46	35	28	24	45	35	28	24	34	28	24	33	27	24	32	27	23	22	22
10	43	32	26	22	42	32	26	22	31	25	22	30	25	21	30	25	21	20	20

POLAR GRAPH



Maximum Candela = 1813 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)