IES INDOOR REPORT
PHOTOMETRIC FILENAME : GP2-L15-850-W-XXX-XXX-TBOX.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM BALLABS TEST NO. 19516.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 16-SEP-2016
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-192 LED 22"ARRAYS EACH ON ALUM HEATSINK 24X14"HIGHBAY
[MORE] LUMINAIRE WITH NO DIFFUSERS/OPEN BOTTOM & CENTER DRIVER
[MORE] HOUSING EVERLINE #D23CC90UNVT-F
[LUMCAT] GP2-L150-850-W-xxx-xxx
[LAMPCAT] D5638D192C2560A8N50
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor, Industrial, Manufacturing, Warehouse, High Bay
[_SEARCH_MOUNTING] Cable, Pendant, Suspended
[_SEARCH_CERTIFICATION] DLC

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15202
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	122
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.18 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25410	25783	25738
55	24253	24072	24852
65	21636	22070	18537
75	16600	13977	10336
85	6139	6414	4673

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	5380.180	5380.180	5380.180	5380.180	5380.180
5	5381.819	5371.986	5365.431	5352.321	5365.431
10	5334.294	5329.378	5319.545	5301.518	5311.351
15	5208.106	5199.912	5229.411	5209.745	5214.662
20	5077.002	5044.226	5068.808	5070.447	5080.280
25	4870.514	4873.791	4878.708	4904.928	4916.400
30	4637.804	4632.888	4678.774	4700.078	4723.022
35	4334.626	4373.957	4398.539	4444.426	4459.175
40	4036.364	4042.920	4097.000	4136.331	4141.248
45	3687.300	3690.578	3741.380	3757.768	3734.825
50	3289.072	3290.710	3315.292	3354.624	3334.958
55	2854.790	2874.455	2833.485	2913.786	2925.258
60	2368.066	2404.120	2376.260	2446.728	2490.976
65	1876.426	1891.175	1914.118	1805.958	1607.663
70	1365.120	1378.231	1291.374	1106.190	1116.023
75	881.674	889.868	742.376	637.493	548.998
80	432.643	358.897	298.262	291.706	283.512
85	109.800	103.244	114.716	91.773	83.579
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1982.42	N.A.	13.00
0-30	4236.26	N.A.	27.90
0-40	6990.11	N.A.	46.00
0-60	12431.1	N.A.	81.80
0-80	15057.87	N.A.	99.10
0-90	15202.08	N.A.	100.00
10-90	14691.41	N.A.	96.60
20-40	5007.69	N.A.	32.90
20-50	7878.19	N.A.	51.80
40-70	7257.79	N.A.	47.70
60-80	2626.77	N.A.	17.30
70-80	809.97	N.A.	5.30
80-90	144.21	N.A.	0.90
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	15202.08	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	510.67
10-20	1471.75
20-30	2253.83
30-40	2753.86
40-50	2870.5
50-60	2570.49
60-70	1816.81
70-80	809.97
80-90	144.21
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	416	416	416	416	406	406	406	406	388	388	388	372	372	372	357	357	357	349
1	382	366	352	339	373	358	346	334	344	333	323	330	321	313	318	311	304	297
2	348	320	297	278	339	314	293	275	301	284	268	290	275	262	280	267	256	249
3	318	282	254	232	309	276	250	230	266	244	225	256	237	222	247	231	218	210
4	291	250	219	196	283	245	217	195	236	212	192	228	207	190	221	202	187	180
5	267	223	192	169	260	219	190	168	212	186	166	205	182	164	198	179	163	155
6	247	201	170	147	240	197	168	147	191	165	145	185	162	144	180	159	143	136
7	229	182	151	130	223	179	150	129	174	147	129	168	145	128	164	143	127	120
8	213	166	136	116	207	163	135	115	159	133	115	154	131	114	150	129	113	107
9	199	152	123	104	194	150	122	104	146	121	103	142	119	103	139	118	102	96
10	186	140	113	94	182	138	112	94	135	110	94	132	109	93	128	108	93	87

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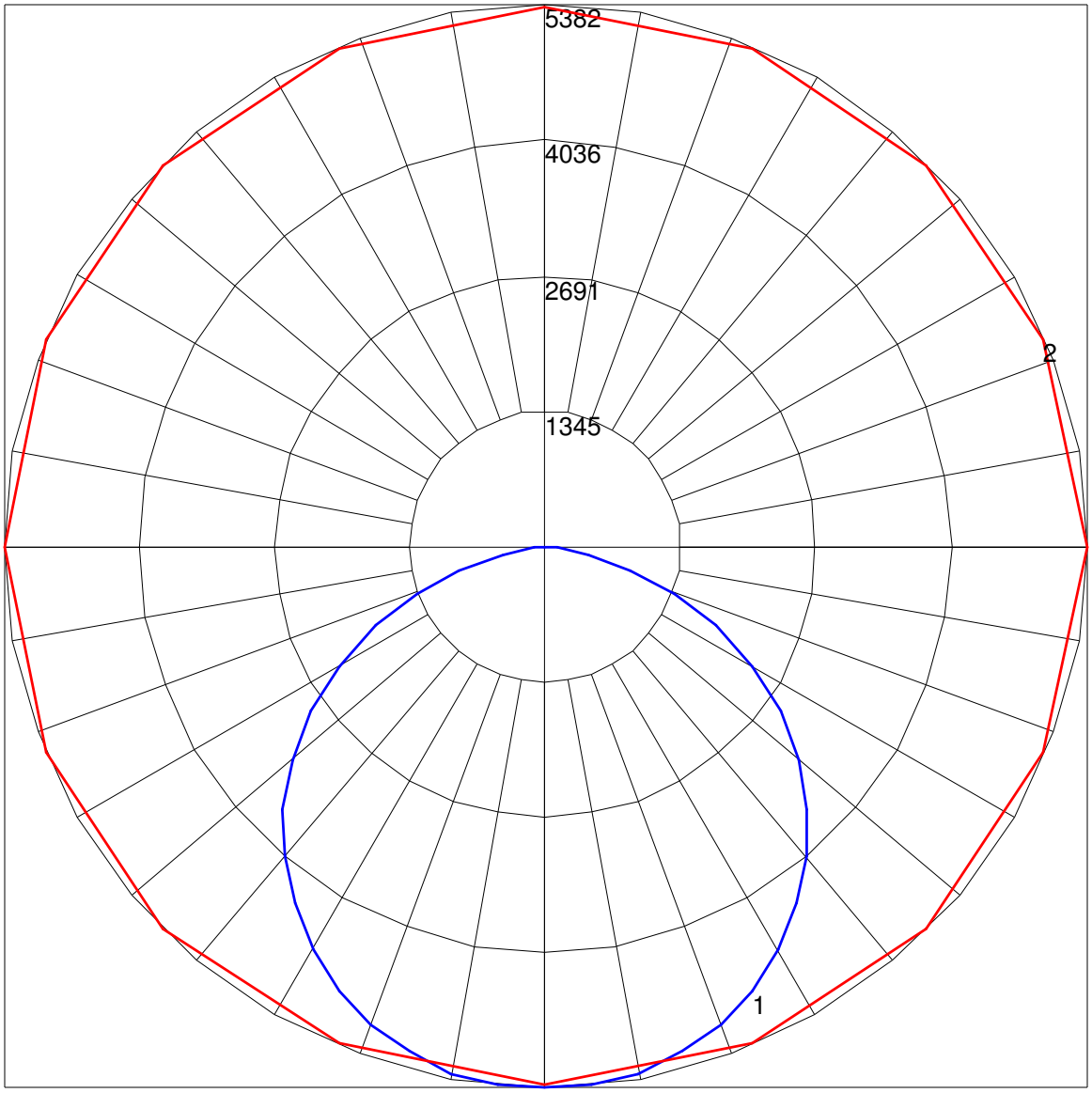
POLAR GRAPH



Maximum Candela = 5381.819 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)