



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PS-P40-835-DIM-POE-LW-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 20372.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 30-APR-2018
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] GEN7 V18 LED 6" TALL HEATSINK 6" SQ FORMED HOUSING DOWNLIGHT
 [MORE] NO OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM
 [MORE] w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA
 [LUMCAT] 6PS-P40-835-DIM-POE-LW-OF-WH
 [LAMPCAT] BXRE-35E4000
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3972
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	56721	71625	56185
55	26437	41440	25446
65	17223	20811	17312
75	12304	13182	12450
85	7394	6524	7394

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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	1965.289	1965.289	1965.289	1965.289	1965.289
5	1965.289	1959.120	1954.714	1949.426	1948.545
10	1939.732	1930.038	1929.156	1922.987	1922.987
15	1894.786	1887.735	1880.685	1883.329	1885.973
20	1831.332	1822.519	1823.401	1828.689	1833.095
25	1761.710	1758.185	1744.084	1754.660	1758.185
30	1686.800	1672.699	1658.598	1667.411	1678.868
35	1563.419	1556.368	1561.656	1558.131	1525.523
40	1299.030	1335.163	1418.886	1347.501	1291.979
45	932.411	1013.490	1177.411	1046.979	923.598
50	548.166	633.652	868.958	707.680	542.878
55	352.518	386.008	552.572	407.159	339.299
60	235.306	258.220	320.792	267.033	237.069
65	169.209	178.022	204.461	182.428	170.090
70	118.975	121.619	130.432	124.263	117.212
75	74.029	74.910	79.317	79.317	74.910
80	40.540	40.540	42.302	41.421	40.540
85	14.982	13.219	13.219	12.338	14.982
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	717.97	N.A.	18.10
0-30	1526.93	N.A.	38.40
0-40	2486.49	N.A.	62.60
0-60	3680.86	N.A.	92.70
0-80	3953.14	N.A.	99.50
0-90	3971.67	N.A.	100.00
10-90	3785.88	N.A.	95.30
20-40	1768.52	N.A.	44.50
20-50	2560.85	N.A.	64.50
40-70	1382.58	N.A.	34.80
60-80	272.28	N.A.	6.90
70-80	84.06	N.A.	2.10
80-90	18.53	N.A.	0.50
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	3971.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	185.79
10-20	532.18
20-30	808.96
30-40	959.56
40-50	792.32
50-60	402.05
60-70	188.21
70-80	84.06
80-90	18.53
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

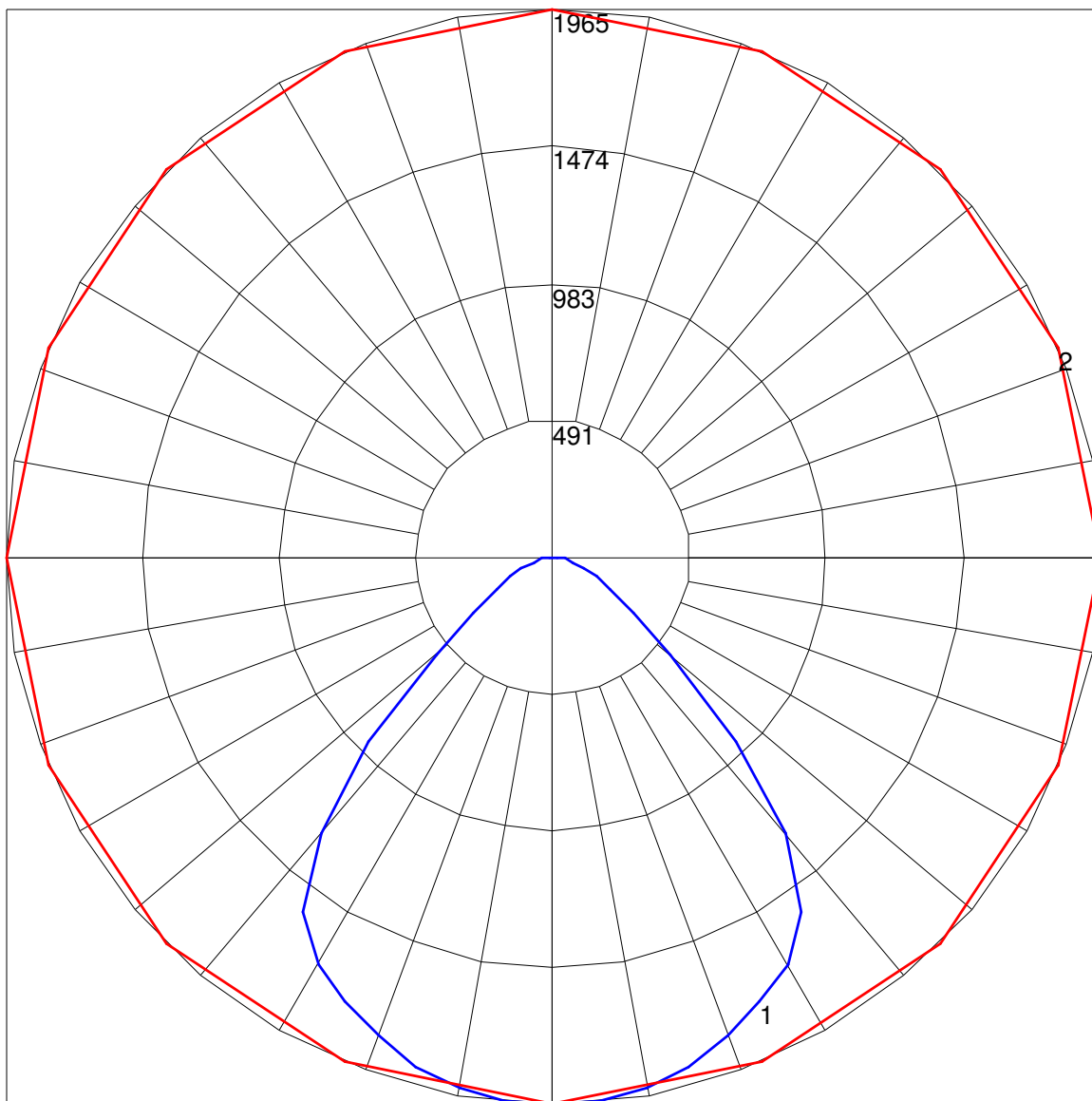
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	102	102	102	102	98	98	98	94	94	94	90	90	90	88
1	98	95	92	89	96	93	90	88	89	87	85	86	84	82	83	81	80	78
2	91	85	80	76	89	83	79	75	80	77	74	78	75	72	75	73	70	69
3	84	77	71	66	82	75	70	65	73	68	64	70	67	63	68	65	62	60
4	78	69	63	58	76	68	62	57	66	61	57	64	60	56	62	58	55	53
5	73	63	56	51	71	62	55	51	60	55	50	59	54	50	57	53	49	48
6	68	57	50	45	66	56	50	45	55	49	45	54	48	45	52	48	44	43
7	63	52	46	41	62	52	45	41	50	45	40	49	44	40	48	43	40	38
8	59	48	41	37	58	48	41	37	47	41	37	45	40	36	45	40	36	35
9	55	45	38	33	54	44	38	33	43	37	33	42	37	33	41	36	33	31
10	52	41	35	31	51	41	35	31	40	34	30	39	34	30	38	34	30	29

POLAR GRAPH



Maximum Candela = 1965.289 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.)