



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 20374.0
 [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] ACRYLIC MED TIR OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM
 [MORE] w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA
 [LUMCAT] 6PS-P40-835-DIM-PoE-LM-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	3767
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.83 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4966	4217	5268
55	2444	2104	2444
65	1196	1008	1196
75	507	389	507
85	65	62	65

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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	7741.955	7741.955	7741.955	7741.955	7741.955
5	7586.869	7538.405	7535.762	7514.613	7486.416
10	6822.014	6804.391	6796.460	6821.133	6803.510
15	5321.383	5333.719	5367.203	5379.540	5398.926
20	3357.256	3363.424	3383.691	3420.700	3332.583
25	1736.785	1783.487	1820.496	1821.377	1816.090
30	909.367	904.961	931.396	958.712	997.484
35	519.009	535.751	547.206	560.424	548.969
40	318.983	326.033	337.488	345.418	341.013
45	217.649	222.936	232.629	233.510	230.866
50	158.611	158.611	170.947	163.898	158.611
55	110.146	110.146	122.483	117.196	110.146
60	74.018	75.781	86.355	81.068	75.781
65	53.751	53.751	59.920	55.514	53.751
70	34.366	35.247	38.771	37.009	36.128
75	22.029	22.029	22.910	22.029	22.029
80	12.336	12.336	14.980	12.336	12.336
85	2.644	2.644	3.525	0.881	2.644
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2137.59	N.A.	56.80
0-30	3027.17	N.A.	80.40
0-40	3391.99	N.A.	90.10
0-60	3680.74	N.A.	97.70
0-80	3761.8	N.A.	99.90
0-90	3766.65	N.A.	100.00
10-90	3071.08	N.A.	81.50
20-40	1254.41	N.A.	33.30
20-50	1437.74	N.A.	38.20
40-70	345.00	N.A.	9.20
60-80	81.06	N.A.	2.20
70-80	24.80	N.A.	0.70
80-90	4.85	N.A.	0.10
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	3766.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	695.58
10-20	1442.01
20-30	889.59
30-40	364.82
40-50	183.33
50-60	105.41
60-70	56.25
70-80	24.80
80-90	4.85
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

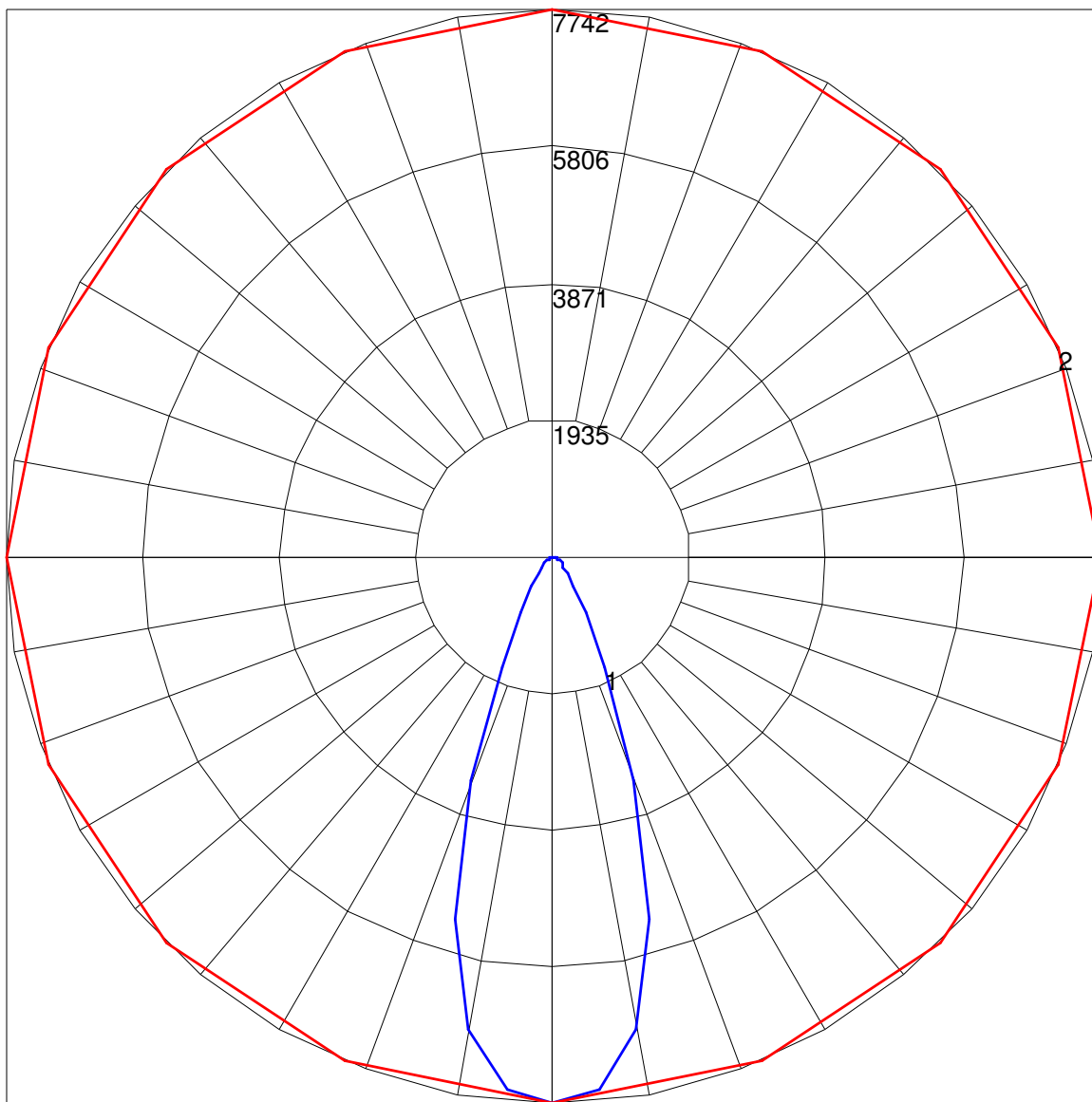
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	98	96	94	98	96	94	92	92	91	90	89	88	87	86	85	84	83
2	96	92	88	85	94	90	87	84	87	85	83	85	83	81	82	81	79	78
3	91	86	82	79	90	85	81	78	83	79	77	80	78	76	78	76	74	73
4	87	81	77	73	86	80	76	73	78	75	72	77	74	71	75	72	70	69
5	84	77	72	69	82	76	72	68	74	71	68	73	70	67	72	69	67	65
6	80	73	68	65	79	72	68	64	71	67	64	70	66	64	69	66	63	62
7	77	69	65	61	76	69	64	61	68	64	61	67	63	60	66	63	60	59
8	74	66	61	58	73	66	61	58	65	61	58	64	60	58	63	60	57	56
9	71	63	59	55	70	63	58	55	62	58	55	61	58	55	61	57	55	54
10	68	61	56	53	67	60	56	53	60	56	53	59	55	53	58	55	53	52

POLAR GRAPH



Maximum Candela = 7741.955 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.)