



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 20375.0
 [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 NARROW TIR OPTIC & 6" CAST WHITE FLUSH SHALLOW TRIM
 [MORE] w/SOLITE LENS ADVANCE # XI050C140V054DSM5 @ 1125mA
 [LUMCAT] 6PS-P40-835-DIM-POE-LN-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	3614
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.56
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	13027	14206	14046
55	9980	11367	10310
65	7445	8342	7714
75	4540	5126	4540
85	870	1305	1305

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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	8771.947	8771.947	8771.947	8771.947	8771.947
5	8341.897	8288.141	8276.685	8322.510	8271.398
10	6949.525	6926.613	6945.119	6959.219	6911.631
15	4875.947	4773.723	4920.891	4879.472	4890.929
20	2815.589	2856.126	2943.370	2977.738	2883.445
25	1521.035	1596.822	1624.141	1597.703	1596.822
30	833.661	831.017	831.017	871.555	838.948
35	452.080	457.368	475.874	489.974	484.687
40	289.049	285.524	301.387	306.674	294.337
45	214.143	220.312	233.531	227.362	230.887
50	169.200	174.487	190.350	181.537	178.893
55	133.069	137.475	151.575	143.643	137.475
60	103.106	106.631	117.206	110.156	106.631
65	73.144	74.906	81.956	81.075	75.787
70	46.706	48.469	52.875	51.112	49.350
75	27.319	29.081	30.844	29.081	27.319
80	12.337	11.456	12.337	12.337	11.456
85	1.762	2.644	2.644	2.644	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	2089.91	N.A.	57.80
0-30	2870.38	N.A.	79.40
0-40	3192.42	N.A.	88.30
0-60	3499.38	N.A.	96.80
0-80	3609.2	N.A.	99.90
0-90	3613.84	N.A.	100.00
10-90	2864.63	N.A.	79.30
20-40	1102.51	N.A.	30.50
20-50	1281.25	N.A.	35.50
40-70	385.08	N.A.	10.70
60-80	109.82	N.A.	3.00
70-80	31.70	N.A.	0.90
80-90	4.64	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	3613.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	749.21
10-20	1340.7
20-30	780.47
30-40	322.04
40-50	178.74
50-60	128.22
60-70	78.12
70-80	31.70
80-90	4.64
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

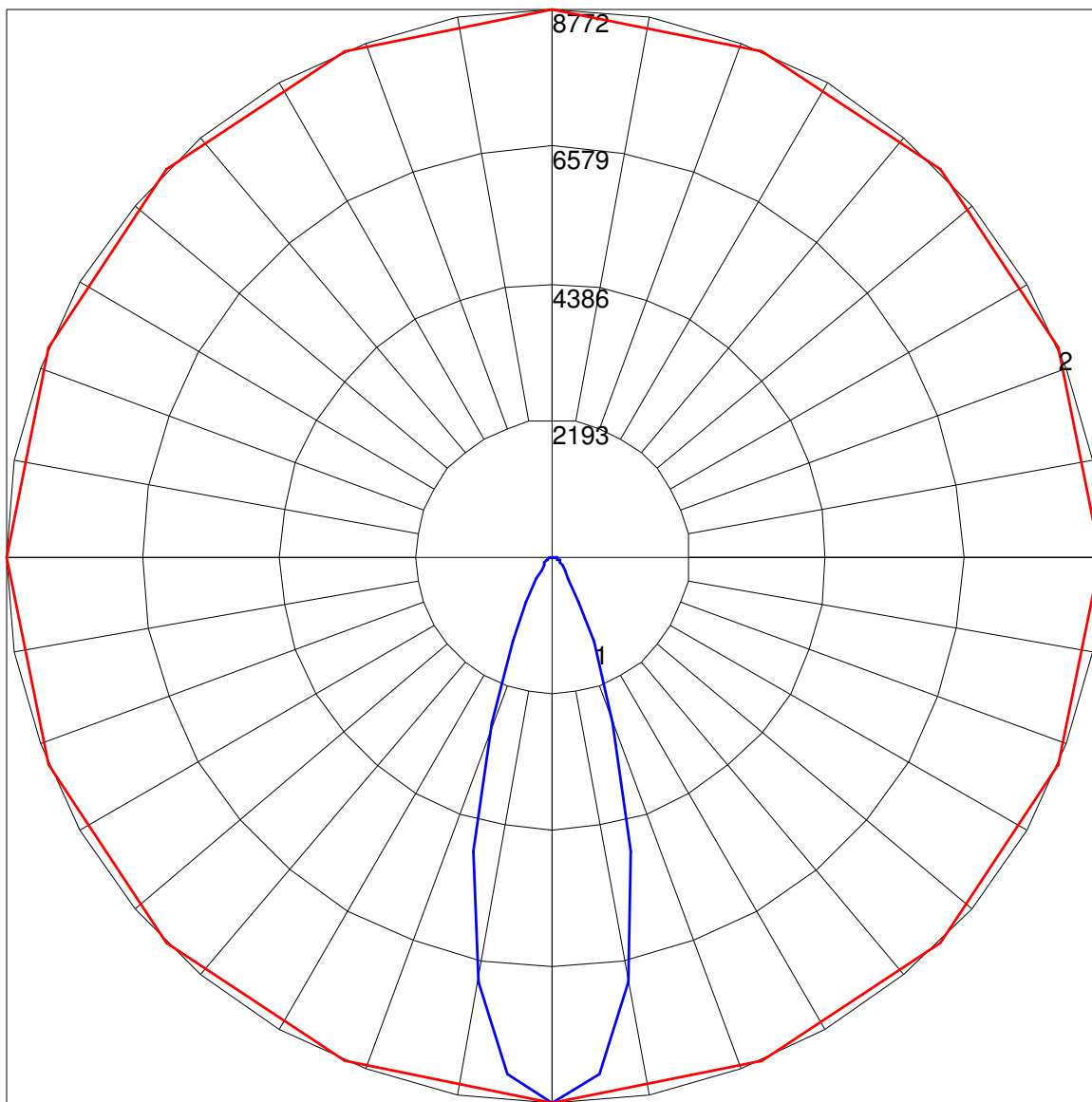
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 8771.947 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.)