



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L10-840-DIM-(L5)-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-L10-840-DIM-(L5)-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	480
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	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	633	537	671
55	311	268	311
65	152	128	152
75	65	50	65
85	8	8	8

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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	986.498	986.498	986.498	986.498	986.498
5	966.737	960.561	960.225	957.530	953.937
10	869.277	867.032	866.021	869.165	866.919
15	678.063	679.635	683.902	685.474	687.944
20	427.789	428.575	431.158	435.874	424.646
25	221.305	227.256	231.972	232.084	231.411
30	115.874	115.312	118.681	122.161	127.102
35	66.133	68.267	69.726	71.411	69.951
40	40.646	41.544	43.004	44.014	43.453
45	27.733	28.407	29.642	29.754	29.418
50	20.211	20.211	21.782	20.884	20.211
55	14.035	14.035	15.607	14.933	14.035
60	9.432	9.656	11.004	10.330	9.656
65	6.849	6.849	7.635	7.074	6.849
70	4.379	4.491	4.940	4.716	4.604
75	2.807	2.807	2.919	2.807	2.807
80	1.572	1.572	1.909	1.572	1.572
85	0.337	0.337	0.449	0.112	0.337
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	272.38	N.A.	56.80
0-30	385.73	N.A.	80.40
0-40	432.22	N.A.	90.10
0-60	469.01	N.A.	97.70
0-80	479.34	N.A.	99.90
0-90	479.96	N.A.	100.00
10-90	391.32	N.A.	81.50
20-40	159.84	N.A.	33.30
20-50	183.20	N.A.	38.20
40-70	43.96	N.A.	9.20
60-80	10.33	N.A.	2.20
70-80	3.16	N.A.	0.70
80-90	0.62	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	479.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.63
10-20	183.74
20-30	113.35
30-40	46.49
40-50	23.36
50-60	13.43
60-70	7.17
70-80	3.16
80-90	0.62
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

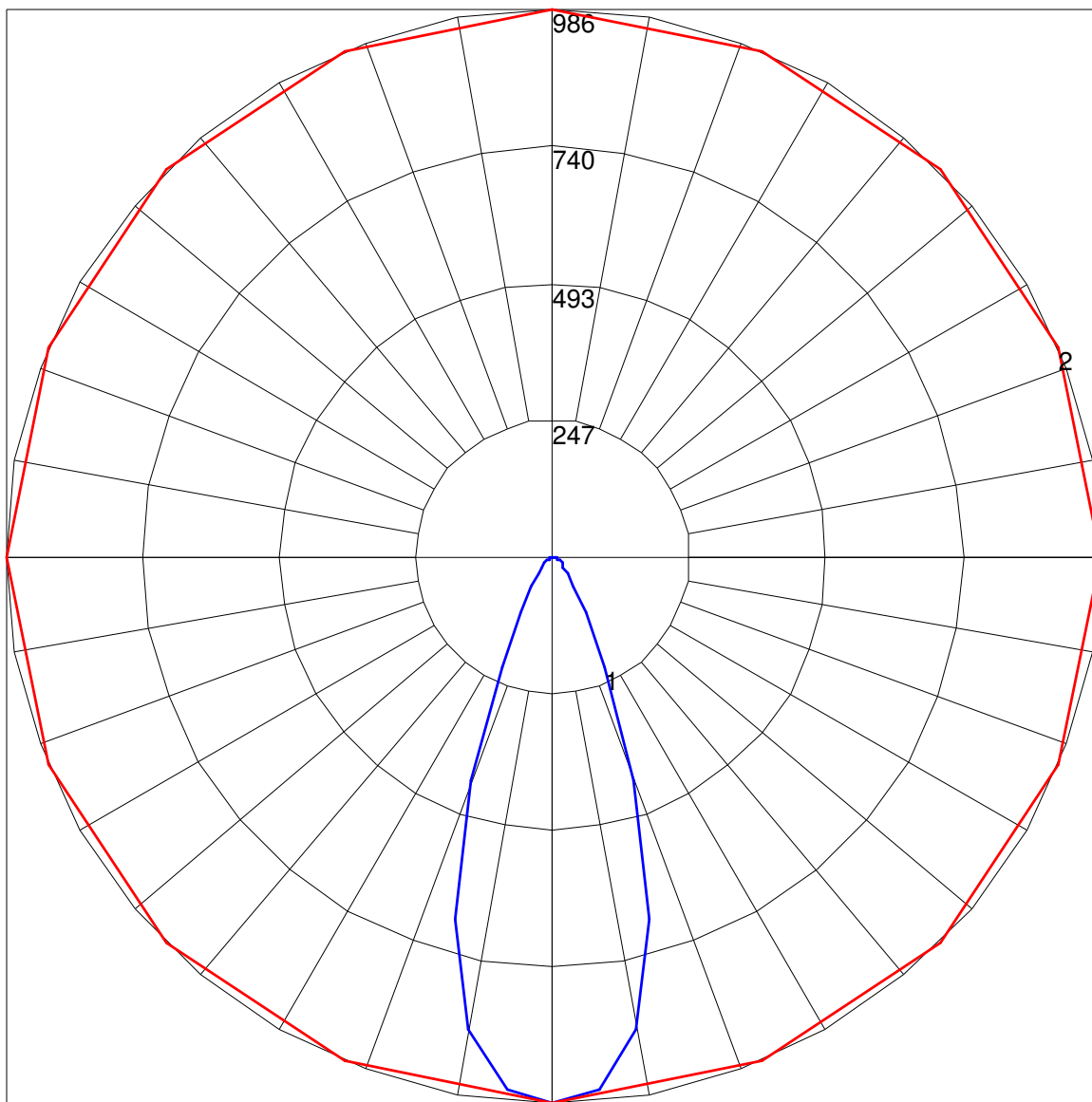
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	13	13	13	13	13	13	13	13	12	12	12	12	12	12	11	11	11	11
1	13	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11
2	12	12	11	11	12	11	11	11	11	11	11	11	11	10	10	10	10	10
3	12	11	10	10	11	11	10	10	11	10	10	10	10	10	10	10	9	9
4	11	10	10	9	11	10	10	9	10	10	9	10	9	9	10	9	9	9
5	11	10	9	9	10	10	9	9	9	9	9	9	9	9	9	9	8	8
6	10	9	9	8	10	9	9	8	9	9	8	9	8	8	9	8	8	8
7	10	9	8	8	10	9	8	8	9	8	8	9	8	8	8	8	8	8
8	9	8	8	7	9	8	8	7	8	8	7	8	8	7	8	8	7	7
9	9	8	7	7	9	8	7	7	8	7	7	8	7	7	8	7	7	7
10	9	8	7	7	9	8	7	7	8	7	7	8	7	7	7	7	7	7

POLAR GRAPH



Maximum Candela = 986.498 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.)