



IES INDOOR REPORT

PHOTOMETRIC FILENAME : M6PS-L20-8TW-DIM-UNV-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] M6PS-L20-8TW-DIM-UNV-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	2205
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	24
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	31488	39762	31190
55	14676	23005	14126
65	9561	11553	9611
75	6830	7318	6911
85	4105	3622	4105

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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	1091.003	1091.003	1091.003	1091.003	1091.003
5	1091.003	1087.578	1085.132	1082.196	1081.707
10	1076.815	1071.433	1070.944	1067.519	1067.519
15	1051.864	1047.950	1044.036	1045.504	1046.971
20	1016.638	1011.746	1012.235	1015.171	1017.617
25	977.989	976.032	968.204	974.075	976.032
30	936.403	928.575	920.748	925.640	932.000
35	867.910	863.996	866.931	864.974	846.873
40	721.138	741.197	787.675	748.046	717.224
45	517.615	562.625	653.623	581.216	512.722
50	304.307	351.763	482.390	392.859	301.371
55	195.696	214.287	306.753	226.028	188.357
60	130.627	143.347	178.083	148.239	131.605
65	93.934	98.826	113.503	101.272	94.423
70	66.047	67.515	72.407	68.983	65.069
75	41.096	41.585	44.031	44.031	41.585
80	22.505	22.505	23.483	22.994	22.505
85	8.317	7.339	7.339	6.849	8.317
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	398.57	N.A.	18.10
0-30	847.65	N.A.	38.40
0-40	1380.34	N.A.	62.60
0-60	2043.38	N.A.	92.70
0-80	2194.53	N.A.	99.50
0-90	2204.81	N.A.	100.00
10-90	2101.68	N.A.	95.30
20-40	981.77	N.A.	44.50
20-50	1421.62	N.A.	64.50
40-70	767.52	N.A.	34.80
60-80	151.15	N.A.	6.90
70-80	46.67	N.A.	2.10
80-90	10.29	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	2204.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.14
10-20	295.43
20-30	449.08
30-40	532.69
40-50	439.85
50-60	223.19
60-70	104.48
70-80	46.67
80-90	10.29
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

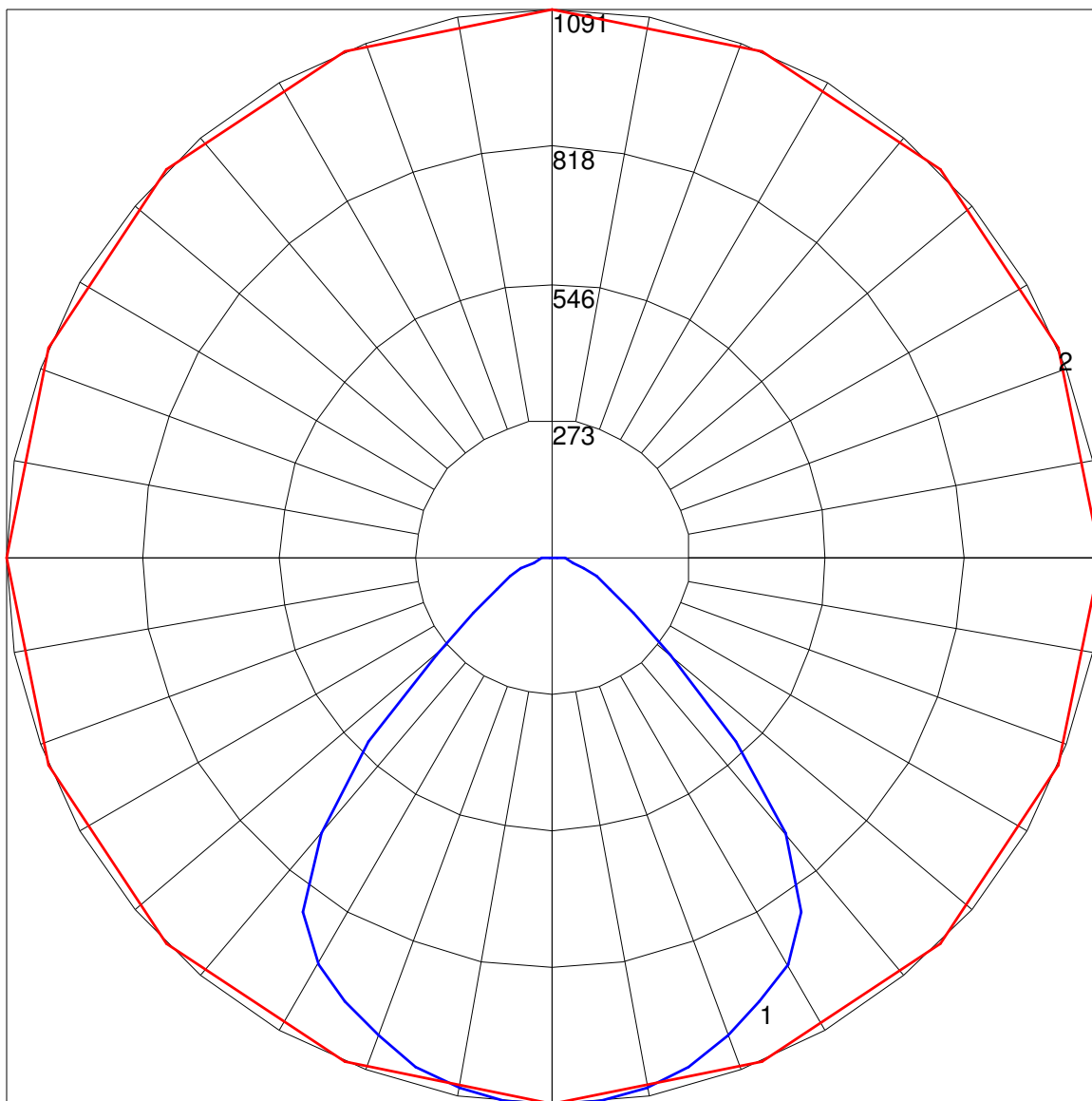
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	83	77	73	80	75	72	78	74	71	69
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 1091.003 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.)