



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PS-L20-8TW-DIM-UNV-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-L20-8TW-DIM-UNV-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	2018
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	24
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	7274	7933	7843
55	5572	6347	5757
65	4157	4658	4307
75	2535	2862	2535
85	486	728	728

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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	4898.115	4898.115	4898.115	4898.115	4898.115
5	4657.983	4627.966	4621.569	4647.157	4618.617
10	3880.504	3867.710	3878.044	3885.917	3859.345
15	2722.651	2665.571	2747.747	2724.620	2731.017
20	1572.180	1594.815	1643.531	1662.722	1610.070
25	849.322	891.640	906.894	892.132	891.640
30	465.503	464.027	464.027	486.662	468.455
35	252.435	255.387	265.721	273.594	270.641
40	161.401	159.432	168.290	171.242	164.353
45	119.574	123.019	130.400	126.955	128.924
50	94.478	97.431	106.288	101.367	99.891
55	74.303	76.764	84.637	80.208	76.764
60	57.573	59.541	65.446	61.509	59.541
65	40.842	41.826	45.763	45.271	42.318
70	26.080	27.064	29.525	28.540	27.556
75	15.254	16.238	17.223	16.238	15.254
80	6.889	6.397	6.889	6.889	6.397
85	0.984	1.476	1.476	1.476	1.476
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1166.97	N.A.	57.80
0-30	1602.77	N.A.	79.40
0-40	1782.59	N.A.	88.30
0-60	1954.00	N.A.	96.80
0-80	2015.32	N.A.	99.90
0-90	2017.91	N.A.	100.00
10-90	1599.56	N.A.	79.30
20-40	615.62	N.A.	30.50
20-50	715.43	N.A.	35.50
40-70	215.03	N.A.	10.70
60-80	61.32	N.A.	3.00
70-80	17.70	N.A.	0.90
80-90	2.59	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	2017.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	418.35
10-20	748.62
20-30	435.80
30-40	179.82
40-50	99.81
50-60	71.59
60-70	43.62
70-80	17.70
80-90	2.59
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

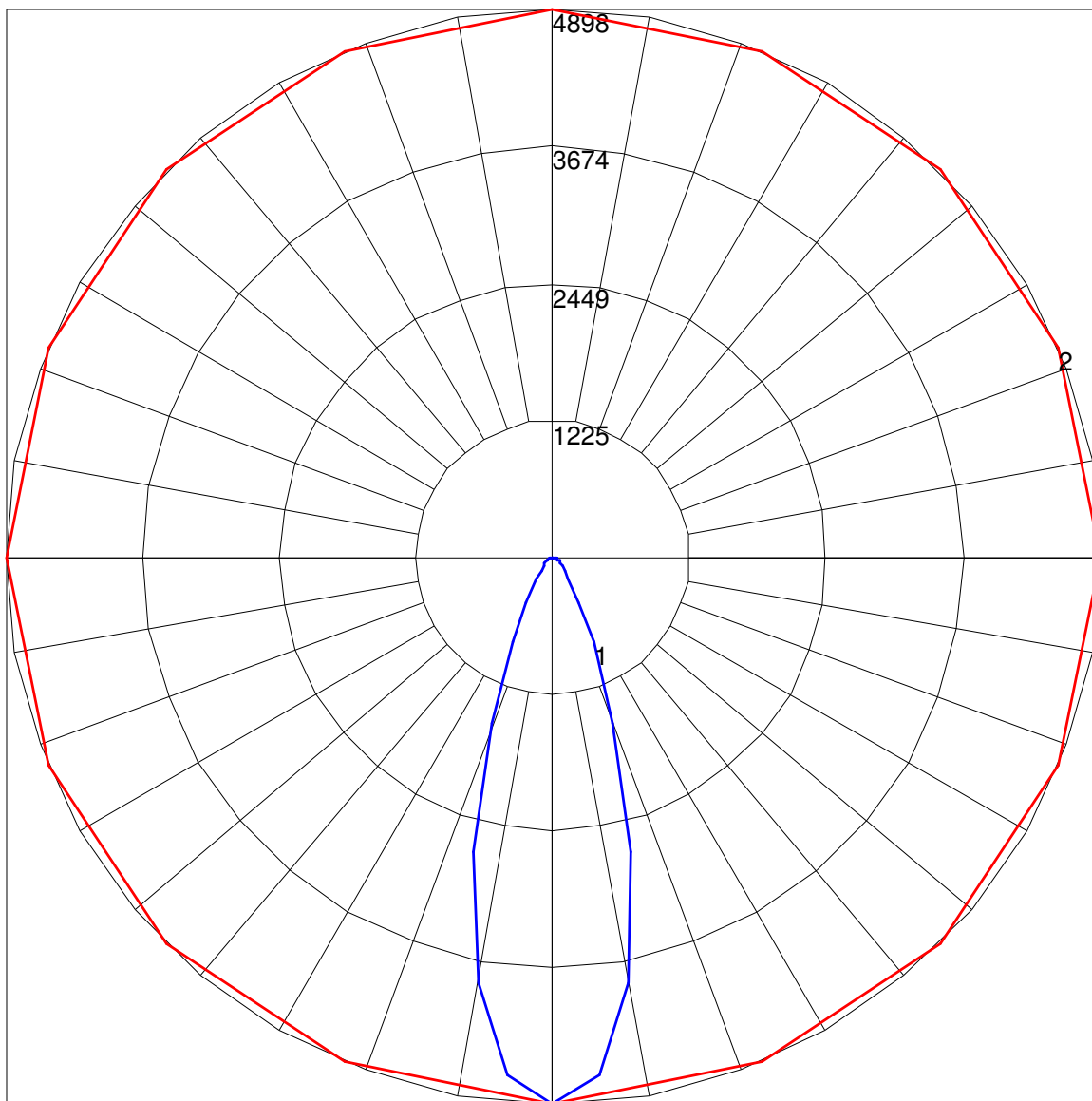
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	59	59	59	59	57	57	57	57	55	55	55	52	52	52	50	50	50	49
1	56	55	53	52	55	54	52	52	52	51	50	50	49	48	48	48	47	46
2	53	51	49	48	52	50	48	47	49	47	46	47	46	45	46	45	44	43
3	51	48	46	44	50	47	45	43	46	44	43	45	43	42	44	42	41	41
4	49	45	43	41	48	45	42	40	44	42	40	43	41	40	42	40	39	38
5	47	43	40	38	46	42	40	38	41	39	38	41	39	37	40	38	37	36
6	45	41	38	36	44	40	38	36	40	37	36	39	37	35	38	37	35	35
7	43	39	36	34	42	38	36	34	38	36	34	37	35	34	37	35	34	33
8	41	37	34	33	41	37	34	32	36	34	32	36	34	32	35	33	32	31
9	40	35	33	31	39	35	33	31	35	33	31	34	32	31	34	32	31	30
10	38	34	31	30	38	34	31	30	33	31	30	33	31	30	33	31	30	29

POLAR GRAPH



Maximum Candela = 4898.115 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.)