



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PS-L10-840-DIM-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

[ISSUE DATE] 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

[LUMCAT] 6PS-L10-840-DIM-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	995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	11
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	1312	1114	1391
55	646	556	646
65	316	266	316
75	134	103	134
85	17	16	17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PS-L10-840-DIM-LM-OF-WH.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2044.928	2044.928	2044.928	2044.928	2044.928
5	2003.965	1991.163	1990.465	1984.879	1977.431
10	1801.939	1797.284	1795.189	1801.706	1797.051
15	1405.568	1408.827	1417.671	1420.930	1426.050
20	886.772	888.401	893.754	903.530	880.255
25	458.747	471.083	480.858	481.091	479.695
30	240.196	239.033	246.015	253.230	263.471
35	137.089	141.511	144.537	148.028	145.002
40	84.255	86.117	89.143	91.237	90.074
45	57.489	58.885	61.446	61.678	60.980
50	41.895	41.895	45.153	43.291	41.895
55	29.094	29.094	32.352	30.956	29.094
60	19.551	20.016	22.809	21.413	20.016
65	14.198	14.198	15.827	14.663	14.198
70	9.077	9.310	10.241	9.775	9.543
75	5.819	5.819	6.051	5.819	5.819
80	3.258	3.258	3.957	3.258	3.258
85	0.698	0.698	0.931	0.233	0.698
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PS-L10-840-DIM-LM-OF-WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	564.61	N.A.	56.70
0-30	799.58	N.A.	80.40
0-40	895.95	N.A.	90.10
0-60	972.22	N.A.	97.70
0-80	993.63	N.A.	99.90
0-90	994.91	N.A.	100.00
10-90	811.18	N.A.	81.50
20-40	331.33	N.A.	33.30
20-50	379.76	N.A.	38.20
40-70	91.13	N.A.	9.20
60-80	21.41	N.A.	2.20
70-80	6.55	N.A.	0.70
80-90	1.28	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	994.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.73
10-20	380.89
20-30	234.97
30-40	96.36
40-50	48.43
50-60	27.84
60-70	14.86
70-80	6.55
80-90	1.28
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

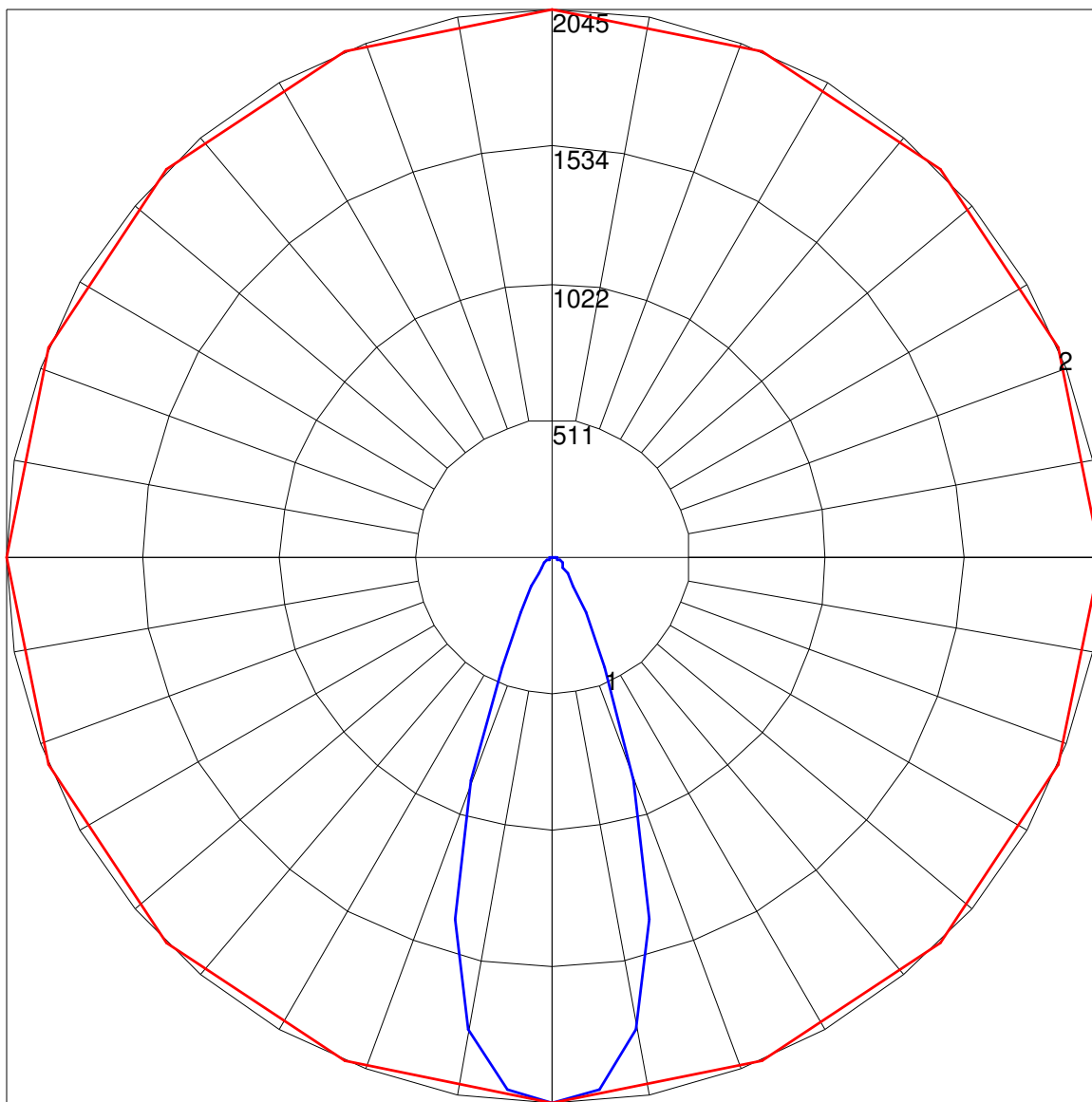
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PS-L10-840-DIM-LM-OF-WH.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	28	28	28	28	27	27	27	27	26	26	26	25	25	25	24	24	24	23
1	26	26	25	25	26	25	25	24	24	24	24	24	23	23	23	23	22	22
2	25	24	23	23	25	24	23	22	23	22	22	22	22	21	22	21	21	21
3	24	23	22	21	24	22	21	21	22	21	20	21	21	20	21	20	20	19
4	23	21	20	19	23	21	20	19	21	20	19	20	19	19	20	19	19	18
5	22	20	19	18	22	20	19	18	20	19	18	19	18	18	19	18	18	17
6	21	19	18	17	21	19	18	17	19	18	17	18	18	17	18	17	17	16
7	20	18	17	16	20	18	17	16	18	17	16	18	17	16	17	17	16	16
8	19	17	16	15	19	17	16	15	17	16	15	17	16	15	17	16	15	15
9	19	17	15	15	18	17	15	15	16	15	15	16	15	15	16	15	14	14
10	18	16	15	14	18	16	15	14	16	15	14	16	15	14	15	15	14	14

POLAR GRAPH



Maximum Candela = 2044.928 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.)