



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CXC-3-08-P8-835-25-D-POEX.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]GEN FROM BALLABS TEST NO. 19929.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 19-JUN-2017  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] 2-56 LED 22"ARRAYS 44"COVE LUMINAIRE @ 25DEG  
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS  
 [LUMCAT] CXC-3-08-P8-835-25-D-POEx  
 [LAMPCAT] HLM 80 CRI 3500K CCT

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3094
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	23
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.08 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CXC-3-08-P8-835-25-D-POEX.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
<b>0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>10</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>15</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>20</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>25</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>30</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>35</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>40</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>45</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>50</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>55</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>60</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>65</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>70</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>75</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>80</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>85</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95</b>	101.190	106.048	100.381	136.810	58.286	17.000	15.381	8.905	4.857
<b>100</b>	219.381	232.333	241.238	238.810	137.619	55.857	31.571	30.762	25.905
<b>105</b>	344.857	378.857	399.095	326.238	228.286	147.333	55.857	46.143	45.333
<b>110</b>	484.095	527.000	515.667	409.619	312.476	249.333	124.667	71.238	52.619
<b>115</b>	627.381	659.762	614.429	496.238	384.524	302.762	216.952	147.333	85.000
<b>120</b>	752.048	760.143	699.429	579.619	462.238	374.000	297.095	234.762	165.143
<b>125</b>	842.714	834.619	779.571	654.095	533.476	451.714	411.238	321.381	255.810
<b>130</b>	914.762	905.857	842.714	722.905	612.810	536.714	486.524	416.095	348.095
<b>135</b>	971.429	966.571	892.905	787.667	692.952	622.524	546.429	535.095	437.143
<b>140</b>	1016.762	1014.333	948.762	848.381	777.143	693.762	620.095	570.714	564.238
<b>145</b>	1045.905	1048.333	987.619	901.000	840.286	759.333	695.381	631.429	597.429
<b>150</b>	1067.762	1073.429	1023.238	946.333	897.762	821.667	765.000	701.857	671.905
<b>155</b>	1077.476	1089.619	1051.571	982.762	947.952	885.619	824.905	769.857	743.143
<b>160</b>	1075.857	1096.095	1071.000	1020.000	987.619	946.333	889.667	835.429	808.714
<b>165</b>	1066.952	1092.857	1073.429	1041.048	1020.000	994.095	949.571	896.952	867.000
<b>170</b>	1047.524	1076.667	1068.571	1047.524	1041.857	1032.952	999.762	951.190	918.810
<b>175</b>	1007.048	1046.714	1055.619	1041.857	1054.810	1058.048	1041.048	990.048	970.619
<b>180</b>	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905	1028.905

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CXC-3-08-P8-835-25-D-POEX.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	305.81	N.A.	9.90
90-120	698.90	N.A.	22.60
90-130	1205.02	N.A.	38.90
90-150	2282.21	N.A.	73.80
90-180	3094.26	N.A.	100.00
110-180	2788.45	N.A.	90.10
0-180	3094.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	70.86
100-110	234.95
110-120	393.09
120-130	506.12
130-140	553.42
140-150	523.78
150-160	430.29
160-170	283.40
170-180	98.36

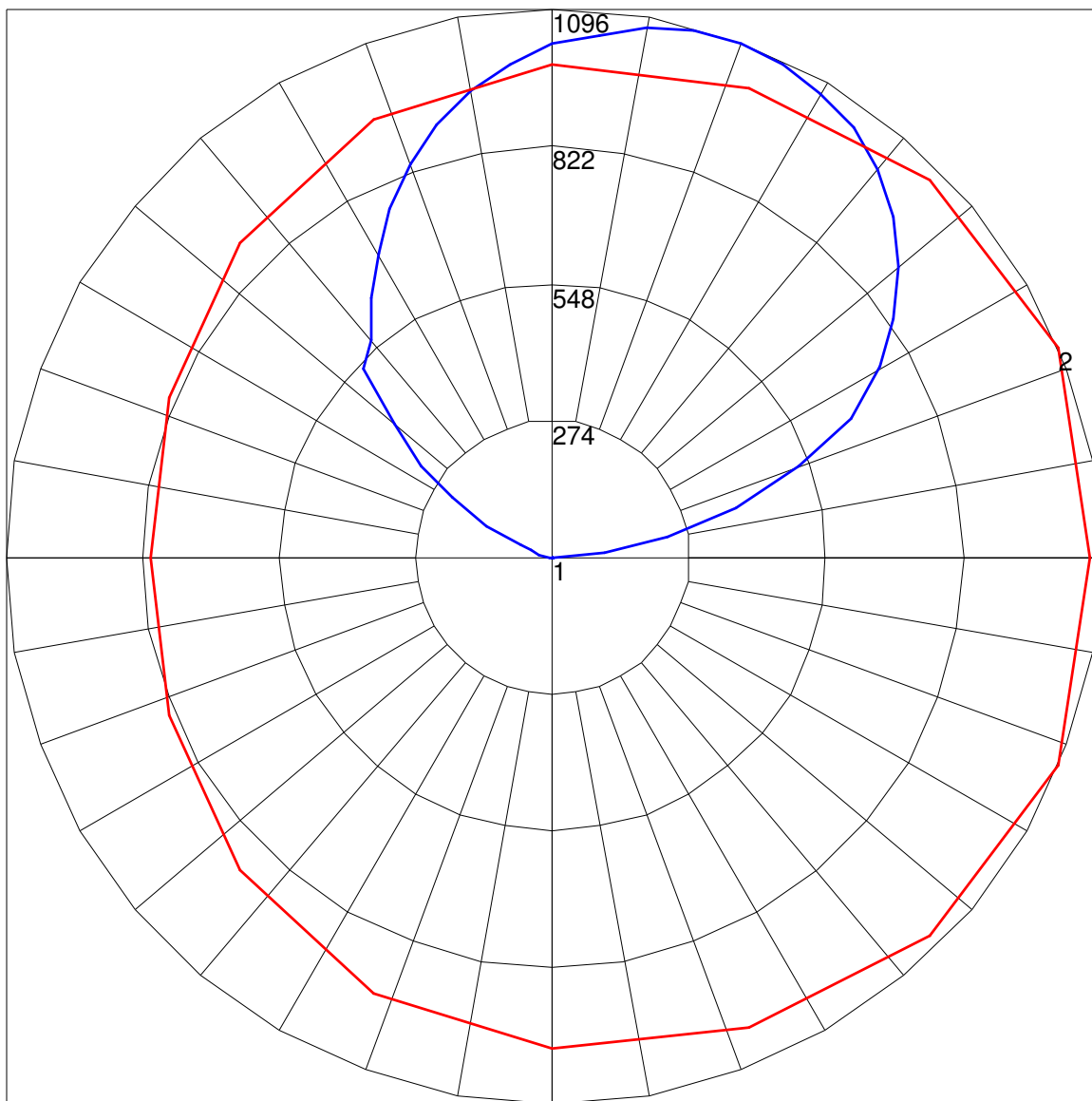
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CXC-3-08-P8-835-25-D-POEX.IES**

**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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1096.095 Located At Horizontal Angle = 22.5, Vertical Angle = 160  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (160) (Through Max. Cd.)