

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BSS710-4-7-35-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Photopia 3.2.10 see: www.ltioptics.com/ies
[ISSUE DATE] 12/08/2016
[TEST] 1
[TEST DATE] Thu Dec 08 08:46:47 2016
[MANUFAC] BARTCO LIGHTING
[LUMINAIRE] BSS710 4 @ .200mA
[LAMP] (4) Fortimo LED Strip 1ft 1100lm 835 1R LV3 @.200mA.
[LAMP CAT] Fortimo LED Strip 1ft 1100lm 835 1R LV3

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3422
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	28
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)	3.68 ft
Luminous Width (90-270)	0.20 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

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
90	7.54	7.61	6.60	5.88	4.70	4.65	4.08	5.01	3.33	4.10
95	26.28	25.90	26.70	26.21	25.51	24.36	22.78	21.66	19.57	19.54
100	74.94	81.35	80.66	80.97	80.52	80.91	78.15	77.78	74.01	69.86
105	169.95	173.20	167.94	172.61	169.57	167.79	164.45	165.20	161.93	164.39
110	284.08	279.62	282.79	280.10	284.48	287.48	282.57	283.92	279.05	277.19
115	404.08	397.24	400.48	399.10	407.20	400.49	402.54	400.85	397.05	396.72
120	507.15	514.44	516.92	521.53	517.56	519.33	517.56	520.05	515.59	512.13
125	636.96	630.95	636.07	633.74	625.65	631.12	633.04	639.75	639.82	638.62
130	753.31	745.87	749.08	755.43	747.06	755.54	749.68	752.34	750.72	750.74
135	856.46	855.07	849.25	853.44	847.27	859.45	857.66	855.63	843.74	853.70
140	930.60	936.37	931.94	938.73	934.29	946.67	926.58	946.70	934.90	946.09
145	1024.75	1015.47	1016.81	1019.51	1013.50	1018.79	1024.35	1017.56	1031.21	1025.22
150	1073.38	1074.97	1074.83	1077.88	1095.66	1083.85	1086.31	1078.75	1089.47	1091.70
155	1123.88	1120.93	1142.39	1138.69	1132.17	1122.16	1141.25	1127.52	1118.02	1129.15
160	1173.14	1161.67	1171.17	1174.72	1167.51	1179.85	1176.44	1180.97	1173.19	1173.18
165	1207.56	1188.36	1202.68	1197.05	1179.10	1197.77	1198.47	1209.41	1194.73	1193.00
170	1212.56	1204.97	1213.65	1204.01	1210.89	1208.37	1213.37	1199.49	1213.58	1207.62
175	1242.93	1233.21	1209.93	1221.40	1216.39	1235.98	1220.40	1218.35	1223.35	1197.13
180	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
90	3.80	4.65	4.03	3.09	3.78	3.59	3.70	3.37	3.18
95	17.91	17.22	17.03	16.40	14.94	15.39	14.15	13.74	13.51
100	66.77	62.30	60.06	57.39	54.82	54.96	54.46	54.35	50.33
105	156.93	150.92	148.26	140.67	137.27	130.22	128.39	127.14	125.97
110	272.37	270.92	263.27	259.42	251.71	249.75	243.57	247.76	240.66
115	392.44	386.03	386.34	388.08	388.89	385.14	384.17	377.72	378.47
120	506.39	507.79	511.65	512.68	506.80	507.97	512.33	509.79	512.57
125	635.57	633.82	632.22	638.00	627.05	622.95	619.66	615.07	620.88
130	759.09	758.54	750.93	747.53	743.22	746.50	744.80	742.44	739.60
135	852.63	851.64	851.90	854.97	849.57	850.43	844.79	843.66	843.85
140	949.89	932.51	945.22	938.41	940.30	941.32	925.92	938.37	937.61
145	1026.22	1016.26	1039.07	1023.39	1018.57	1018.44	1025.36	1013.98	1022.62
150	1087.70	1082.64	1089.40	1087.72	1076.77	1091.31	1084.25	1074.70	1086.72
155	1139.82	1118.27	1131.81	1140.95	1127.27	1130.44	1132.10	1132.28	1133.82
160	1169.16	1180.05	1178.74	1156.26	1166.95	1169.77	1166.75	1164.86	1189.66
165	1197.99	1197.32	1197.99	1201.21	1189.36	1196.02	1203.78	1186.61	1214.93
170	1225.73	1216.27	1188.86	1194.21	1215.09	1206.62	1219.66	1198.44	1209.50
175	1235.94	1210.76	1230.21	1210.34	1251.10	1203.00	1203.11	1221.85	1215.45
180	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80	1225.80

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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	201.12	N.A.	5.90
90-120	589.52	N.A.	17.20
90-130	1154.36	N.A.	33.70
90-150	2446.25	N.A.	71.50
90-180	3422.03	N.A.	100.00
110-180	3220.91	N.A.	94.10
0-180	3422.03	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	30.71
100-110	170.41
110-120	388.40
120-130	564.84
130-140	654.90
140-150	636.99
150-160	521.75
160-170	337.88
170-180	116.14

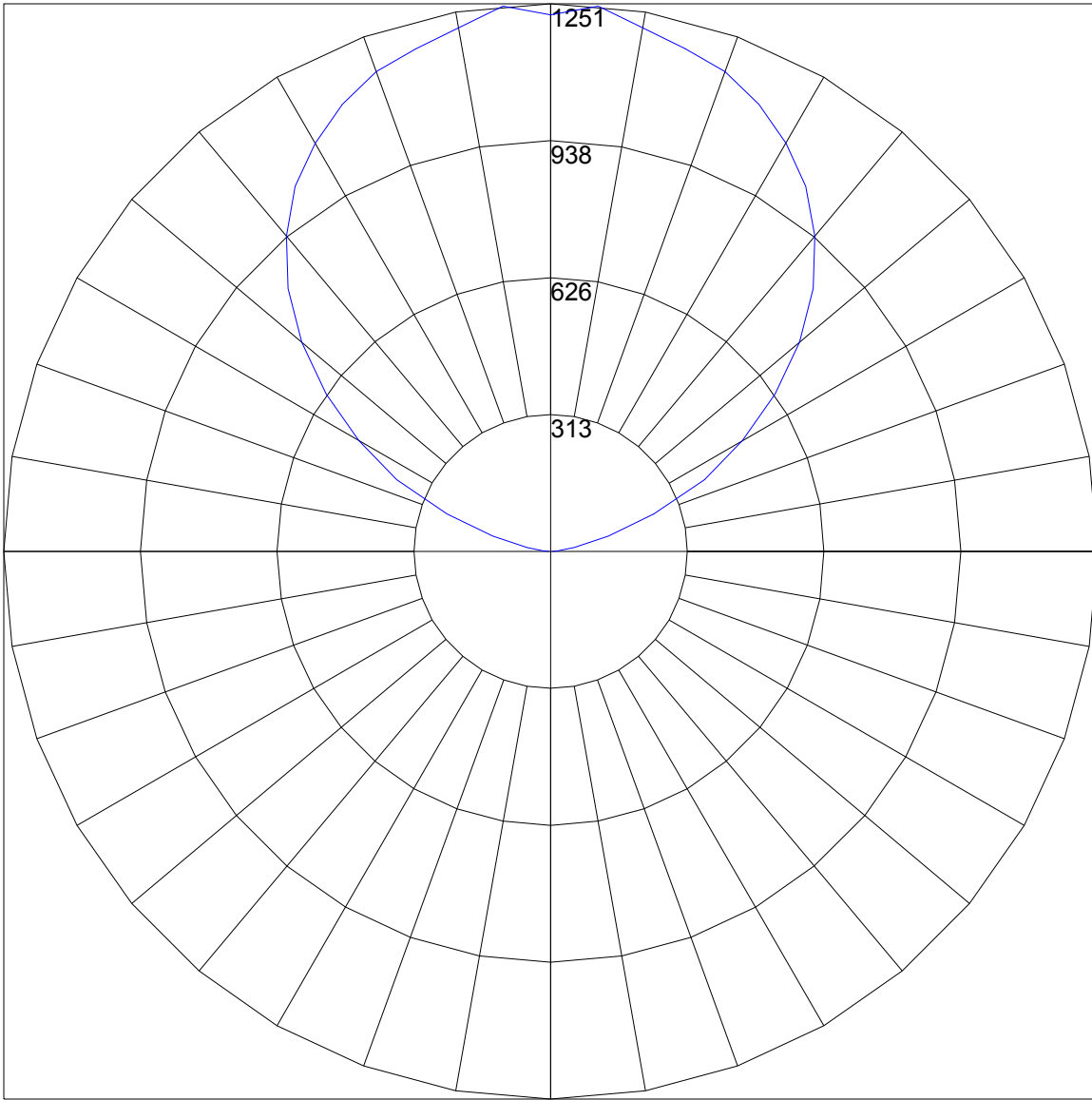
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1251.1 Located At Horizontal Angle = 70, Vertical Angle = 175
Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)