

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 6

Test #: L04110205

Date: 03/30/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	J&J ELECTRONICS
Model Number:	CB2 SW50

Total Lumens:	199.96
Input Power (W):	4.54
Input Current (Amp):	0.20
Input Power Factor:	0.96
Efficacy:	44.04
Color Rendering Index (CRI):	82.70
Correlated Color Temperature (K):	4812
Chromaticity Ordinate x:	0.350
Chromaticity Ordinate y:	0.352

*Test data documentation on file and available upon request.

*All results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

REV.	LOG NUMBER	REVISION DESCRIPTION	REVISION BY	CHECKED BY	APPROVED BY	DATE
A					JS	03/30/11

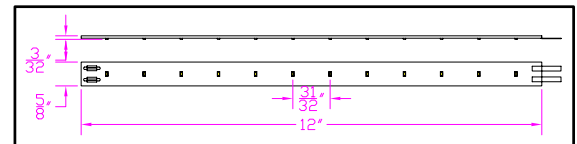
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L04110205.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L04110205
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 3/30/2011
[MANUFAC] J&J ELECTRONICS
[LUMCAT] CB2 SW50
[LUMINAIRE] 12"L. X 5/8"W. X 3/32"H. LED STRIP LIGHT
[MORE] 31/32" SPACING WITH 12 5000K COOL WHITE LEDS
[LAMPPOSITION] 0,0
[LAMPCAT] 5000K COOL WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 24VAC, 4.54W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	4.54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.28
Spacing Criteria (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.90 ft
Luminous Width (90-270)	0.01 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	80095	80796	78689
55	74489	76220	76220
65	68180	70530	65828
75	61424	59504	53747
85	57005	51301	34205

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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	69.226	69.226	69.226	69.226	69.226
5	68.187	69.434	69.434	68.187	68.187
10	69.018	68.187	68.603	68.603	68.187
15	66.524	67.356	66.524	66.940	66.524
20	65.693	64.861	64.861	64.445	65.693
25	63.197	61.534	62.782	61.950	62.366
30	59.871	59.455	59.455	59.871	59.871
35	55.714	55.714	56.129	55.714	55.714
40	51.556	51.972	51.556	51.140	52.388
45	47.399	46.983	47.814	47.398	46.567
50	40.746	41.577	41.577	41.577	41.577
55	35.757	36.172	36.588	36.588	36.588
60	29.936	29.936	31.183	30.768	29.936
65	24.115	24.530	24.946	24.530	23.283
70	18.294	18.710	19.126	18.710	18.294
75	13.305	12.889	12.889	12.474	11.642
80	7.484	7.484	7.899	7.900	7.484
85	4.158	4.573	3.742	3.326	2.495
90	0.000	0.832	0.832	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	54.23	N.A.	27.10
0-40	89.16	N.A.	44.60
0-60	157.80	N.A.	78.90
0-90	199.96	N.A.	100.00
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
0-180	199.96	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6.56
10-20	18.89
20-30	28.77
30-40	34.94
40-50	36.26
50-60	32.38
60-70	24.26
70-80	13.66
80-90	4.25
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

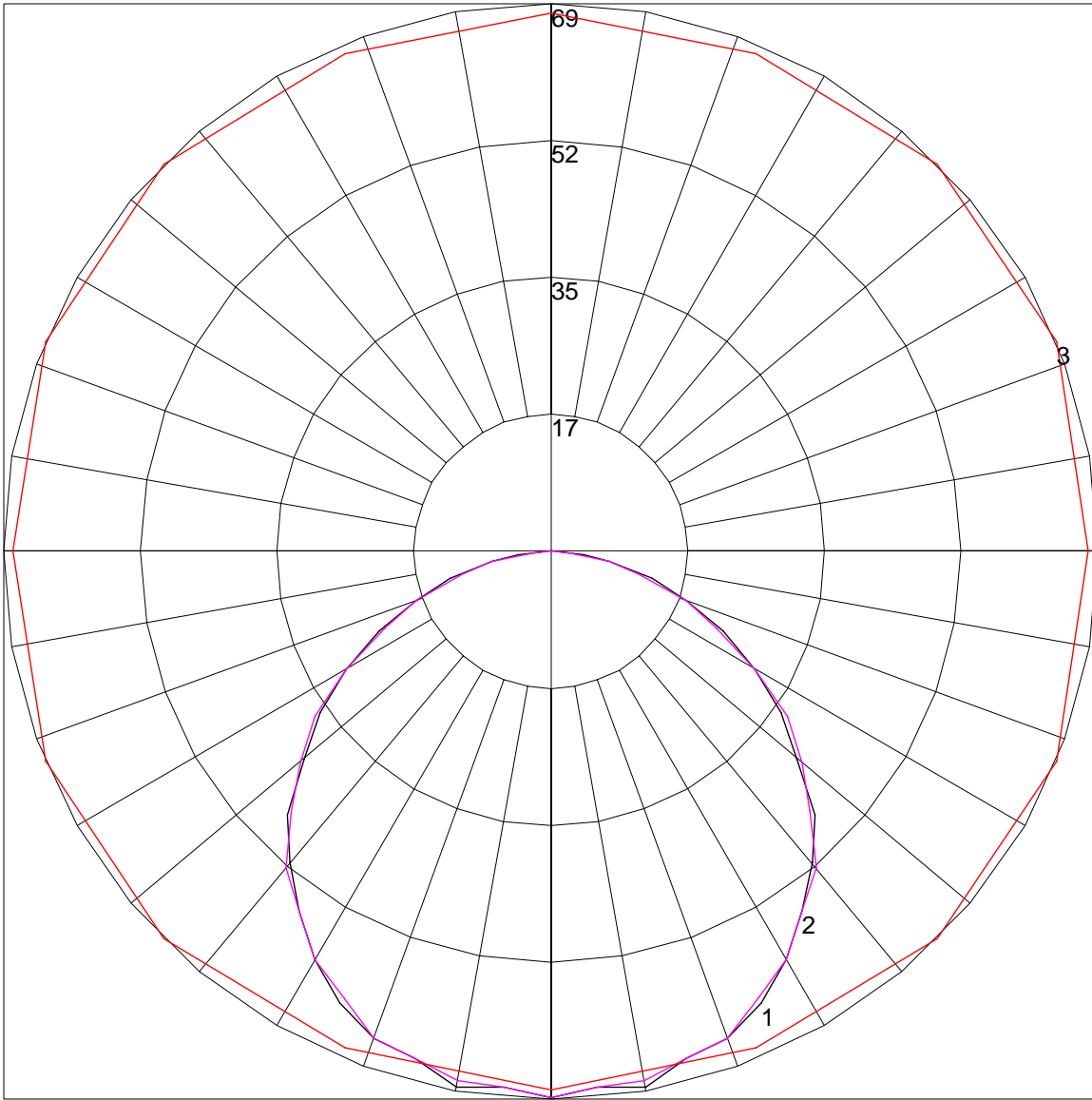
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 69.434 Located At Horizontal Angle = 22.5, Vertical Angle = 5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180) : BLACK
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
- # 3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) : RED