

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 6

Test #: L04110206

Date: 03/30/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	J&J ELECTRONICS
Model Number:	CB2 SW50

Total Lumens:	324.53
Input Power (W):	6.16
Input Current (Amp):	0.26
Input Power Factor:	1.00
Efficacy:	52.68
Color Rendering Index (CRI):	83.00
Correlated Color Temperature (K):	4764
Chromaticity Ordinate x:	0.351
Chromaticity Ordinate y:	0.353

*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

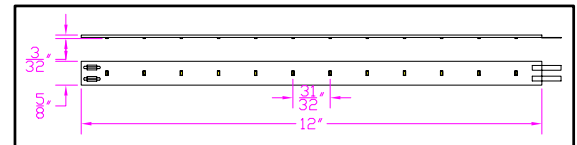
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L04110206.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L04110206
[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.
[_POWER SUPPLY] 24VDC CONSTANT VOLTAGE SOURCE
[_INPUT] 24VDC, 6.16W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	6.16
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	125059	129273	127869
55	122992	124723	124723
65	110500	112849	108147
75	95975	101732	99811
85	102603	102603	68397

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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	111.427	111.427	111.427	111.427	111.427
5	111.427	111.427	111.011	111.427	111.427
10	109.764	110.180	109.348	110.180	109.764
15	107.270	107.685	107.685	107.270	107.270
20	103.944	104.775	103.528	104.775	103.112
25	100.617	100.201	100.201	99.785	99.785
30	94.796	95.628	95.628	95.212	94.796
35	88.975	89.391	89.391	88.976	88.975
40	82.323	82.739	82.739	83.155	82.323
45	74.008	75.255	76.502	74.839	75.671
50	66.524	66.940	66.940	67.771	66.524
55	59.040	59.455	59.871	59.455	59.871
60	49.062	49.893	49.477	50.309	49.893
65	39.083	39.914	39.914	40.330	38.251
70	29.936	29.936	32.015	30.352	29.936
75	20.789	22.867	22.036	22.452	21.620
80	12.474	13.305	14.552	12.889	11.642
85	7.484	7.900	7.484	6.236	4.989
90	0.000	2.495	3.326	2.495	0.832

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	87.06	N.A.	26.80
0-40	142.91	N.A.	44.00
0-60	253.76	N.A.	78.20
0-90	324.53	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	324.53	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	10.58
10-20	30.33
20-30	46.15
30-40	55.85
40-50	58.05
50-60	52.80
60-70	39.55
70-80	23.23
80-90	7.98
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

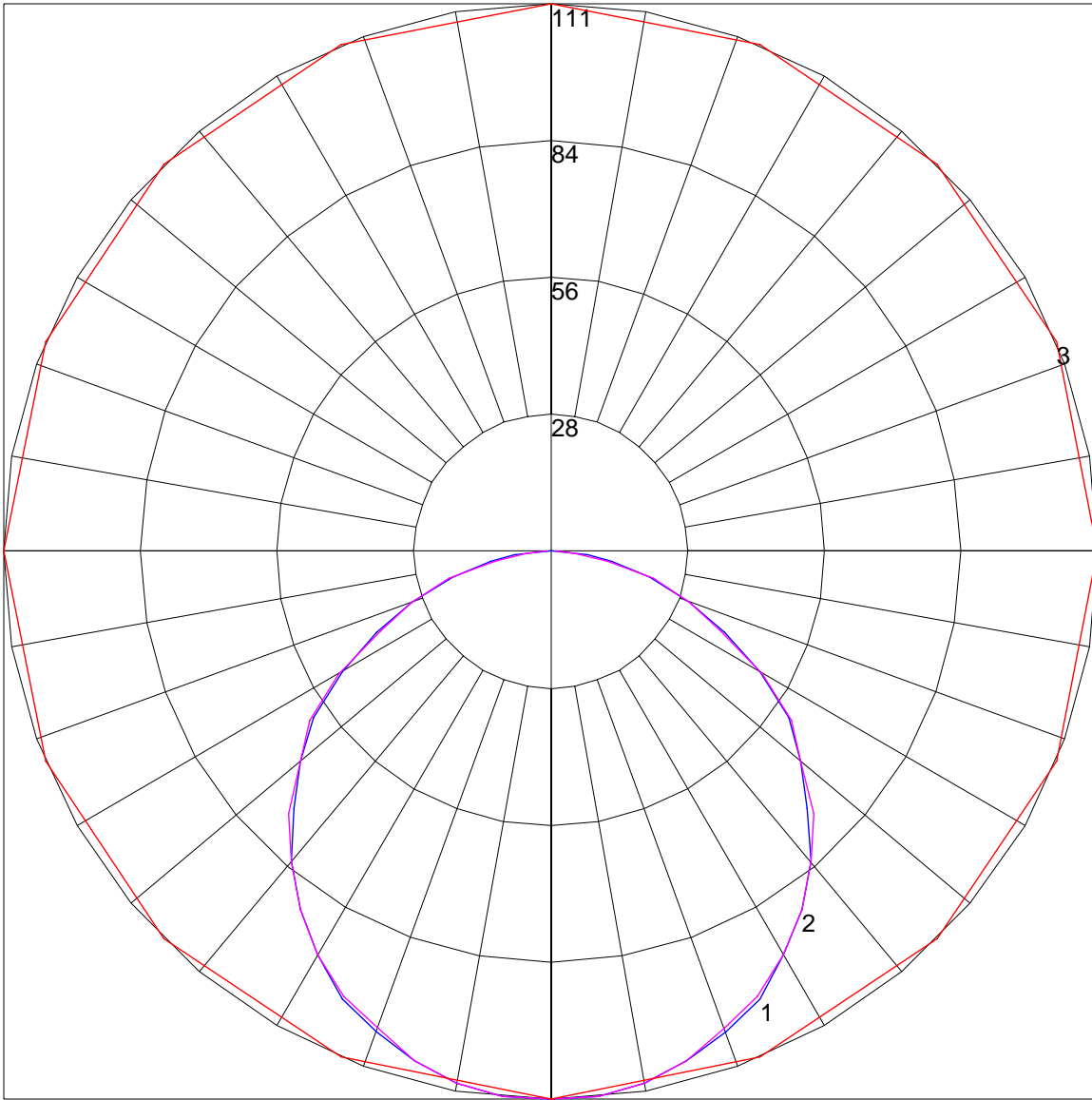
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 111.427 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.) : RED