

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 6

Test #: L04110204

Date: 04/04/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	J&J ELECTRONICS
Model Number:	CB2 SW35

Total Lumens:	293.91
Input Power (W):	6.16
Input Current (Amp):	0.26
Input Power Factor:	1.00
Efficacy:	47.71
Color Rendering Index (CRI):	88.20
Correlated Color Temperature (K):	3464
Chromaticity Ordinate x:	0.402
Chromaticity Ordinate y:	0.380

*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	04/04/11

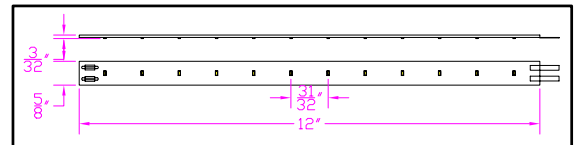
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L04110204.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L04110204
[TESTLAB] LIGHT LABORATORY INC
[ISSUEDATE] 4/4/2011
[MANUFAC] J&J ELECTRONICS
[LUMCAT] CB2 SW35
[LUMINAIRE] 12"L. X 5/8"W. X 3/32"H. LED STRIP LIGHT
[MORE] 31/32" SPACING WITH 12 3500K NEUTRAL WHITE LEDS
[LAMPPOSITION] 0,0
[LAMPCAT] 3500K NEUTRAL 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	294
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	6.16
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.28
Spacing Criteria (Diagonal)	1.38
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	115223	116628	115223
55	110865	110865	105670
65	101096	101096	98744
75	92134	92134	88298
85	91196	91196	57005

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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	102.696	102.696	102.696	102.696	102.696
5	103.112	102.281	102.281	102.696	100.617
10	99.785	100.201	101.033	99.785	99.785
15	99.785	99.785	99.369	98.954	98.954
20	96.459	96.043	96.043	95.628	95.628
25	93.133	91.886	91.886	92.302	92.302
30	86.481	86.897	86.481	86.481	87.313
35	80.660	81.491	81.492	81.075	82.323
40	75.671	75.671	75.255	76.086	75.671
45	68.187	68.603	69.019	68.603	68.187
50	59.871	60.703	61.534	60.703	60.703
55	53.219	52.388	53.219	52.388	50.725
60	44.903	45.319	45.735	44.903	45.735
65	35.757	35.757	35.757	35.757	34.925
70	26.609	27.025	27.857	27.441	26.610
75	19.957	20.373	19.957	20.373	19.126
80	10.811	11.226	11.642	10.395	9.147
85	6.652	6.652	6.652	4.989	4.158
90	0.000	2.079	2.910	1.663	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	80.00	N.A.	27.20
0-40	130.95	N.A.	44.60
0-60	231.06	N.A.	78.60
0-90	293.91	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	293.91	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	9.69
10-20	27.93
20-30	42.37
30-40	50.95
40-50	52.86
50-60	47.24
60-70	35.61
70-80	20.62
80-90	6.62
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

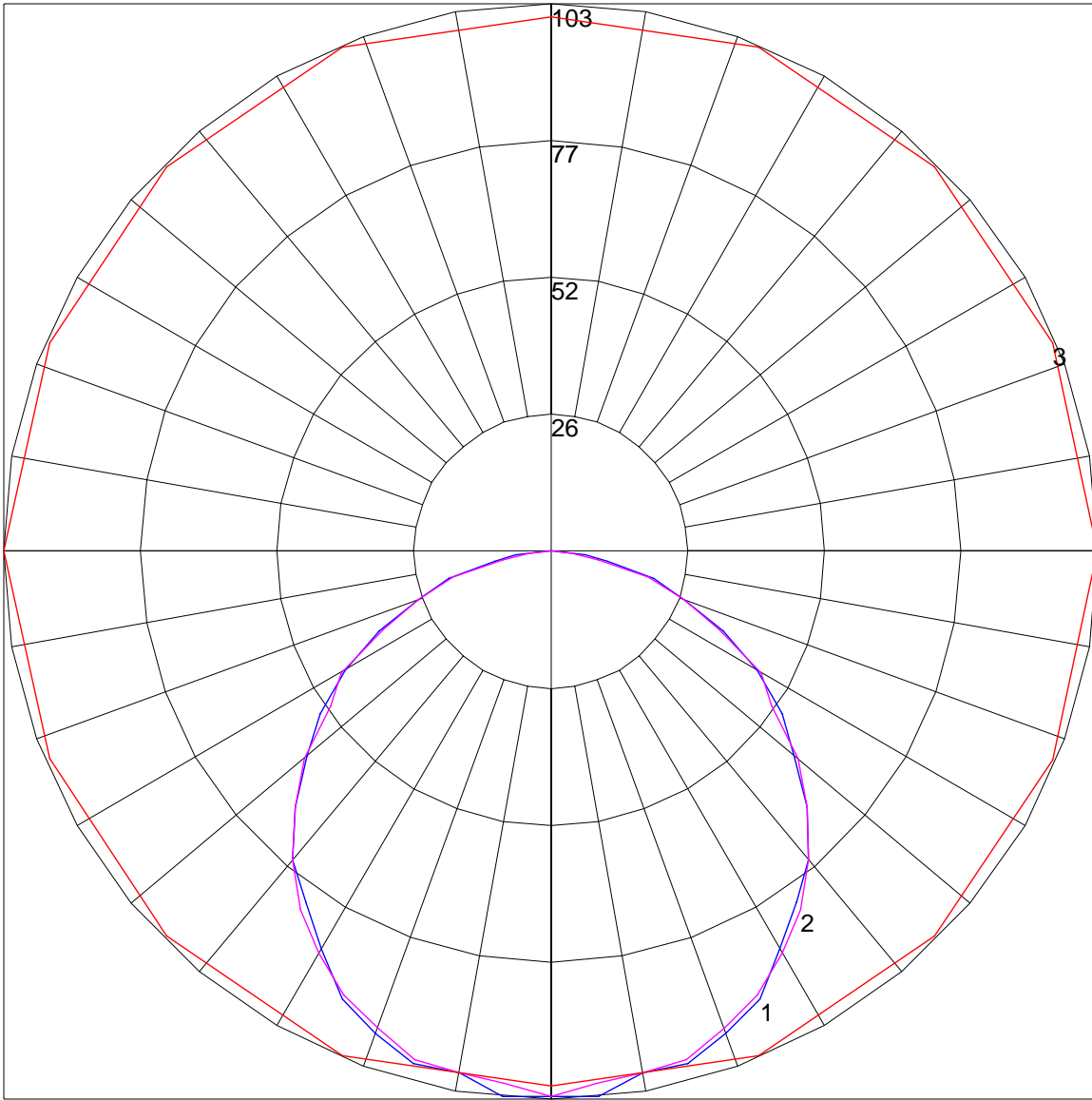
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	60	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	73	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	40	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	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 103.112 Located At Horizontal Angle = 0, Vertical Angle = 5
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 (5) (Through Max. Cd.) : RED