

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 7

Test #: L07110602

Date: 7/26/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	CALIFORNIA ACCENT LIGHTING
Model Number:	LPL8150/2W/LED-CW

Total Lumens:	286.13
Input Power (W):	3.77
Input Current (Amp):	0.31
Input Power Factor:	N.A.
Efficacy: 75.90	
Color Rendering Index (CRI):	74.10
Correlated Color Temperature (K):	6234
Chromaticity Ordinate x:	0.318
Chromaticity Ordinate y:	0.325

*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.

A					JS	7/26/11
REV.	LOG NUMBER	REVISION DESCRIPTION	REVISION BY	CHECKED BY	APPROVED BY	DATE



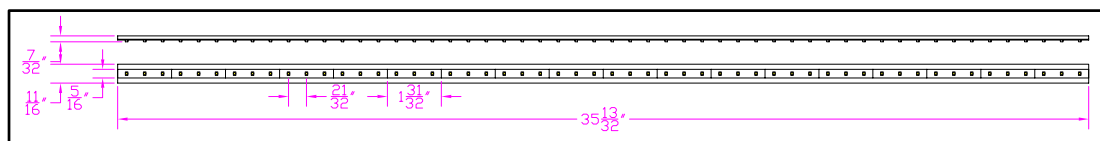
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L07110602.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L07110602
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 7/26/2011
[MANUFAC] CALIFORNIA ACCENT LIGHTING
[LUMCAT] LPL8150/2W/LED-CW
[LUMINAIRE] 35-13/32"L. X 11/16"W. X 7/32"H. LED STRIP
[MORE] 18 MODULES, EACH MODULE HAS 3 COOL WHITE LEDS WITH 21/32" LED SPACING
[MORE] TOTAL 54 LEDS, LED STRIP IS ON ALUMINUM CHANNEL
[LAMPPOSITION] 0,0
[LAMPCAT] COOL WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[POWER SUPPLY] 12VDC CONSTANT VOLTAGE SOURCE
[INPUT] 12VDC, 3.77W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	286
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	3.77
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.90 ft
Luminous Width (90-270)	0.01 ft
Luminous Height	0.00 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35503	35189	35294
55	34459	34265	34071
65	32027	31851	31412
75	26649	26363	25933
85	20848	20848	19997

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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	97.2	97.2	97.2	97.2	97.2
5	96.2	96.5	96.9	96.8	96.6
10	95.7	95.6	95.6	95.8	96.0
15	93.8	94.0	93.8	94.0	93.9
20	91.4	91.3	91.2	91.5	91.3
25	88.8	88.1	88.1	88.1	88.3
30	84.1	84.2	84.0	83.9	84.2
35	79.7	79.3	79.1	79.2	79.3
40	73.9	73.8	73.4	73.3	73.7
45	67.7	67.1	67.1	67.0	67.3
50	60.4	60.1	60.0	59.7	59.7
55	53.3	53.3	53.0	52.7	52.7
60	45.4	45.2	44.9	44.6	44.5
65	36.5	36.4	36.3	36.0	35.8
70	27.7	27.6	27.4	27.3	27.0
75	18.6	18.5	18.4	18.3	18.1
80	11.1	11.1	11.0	10.8	10.6
85	4.9	5.0	4.9	4.8	4.7
90	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	76.35	N.A.	26.70
0-40	125.90	N.A.	44.00
0-60	224.85	N.A.	78.60
0-90	286.13	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	286.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	9.20
10-20	26.52
20-30	40.63
30-40	49.55
40-50	51.75
50-60	47.19
60-70	35.83
70-80	19.82
80-90	5.63
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

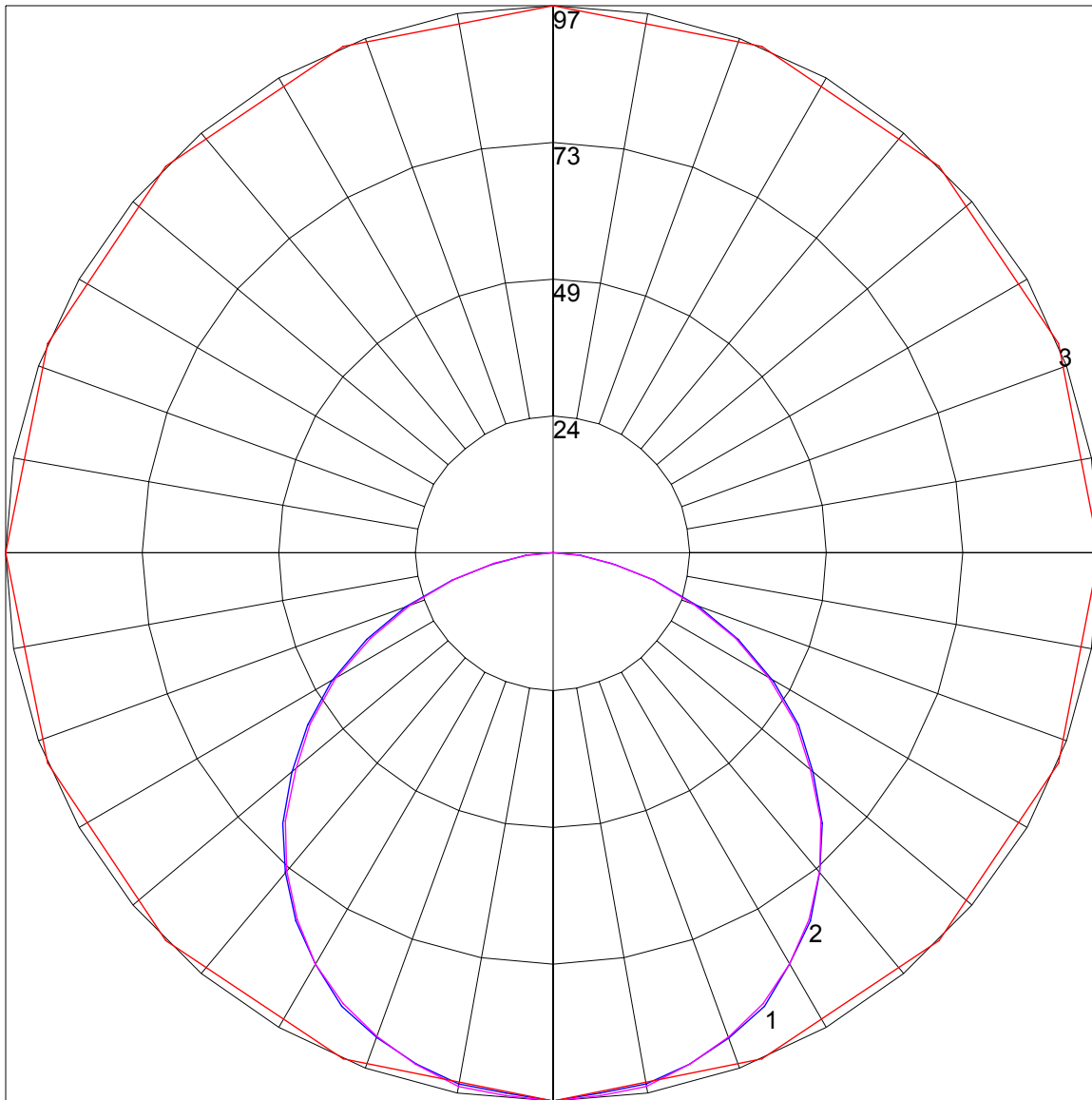
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 97.2 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