

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 7

Test #: L07110604

Date: 7/26/2011

Luminaire Photometric Performance LM-79-2008

Manufacturer:	CALIFORNIA ACCENT LIGHTING
Model Number:	LPL8150/4W/LED-CW

Total Lumens:	805.73
Input Power (W):	10.41
Input Current (Amp):	0.43
Input Power Factor:	N.A.
Efficacy: 77.40	
Color Rendering Index (CRI):	72.00
Correlated Color Temperature (K):	5443
Chromaticity Ordinate x:	0.333
Chromaticity Ordinate y:	0.344

*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 : L07110604.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L07110604

[TESTLAB] LIGHT LABORATORY, INC.

[ISSUEDATE] 7/26/2011

[MANUFAC] CALIFORNIA ACCENT LIGHTING

[LUMCAT] LPL8150/4W/LED-CW

[LUMINAIRE] 34-7/16"L. X 11/16"W. X 7/32"H. LED STRIP

[MORE] 7 MODULES, EACH MODULE HAS 6 COOL WHITE LEDS WITH 13/16" LED SPACING

[MORE] TOTAL 42 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.

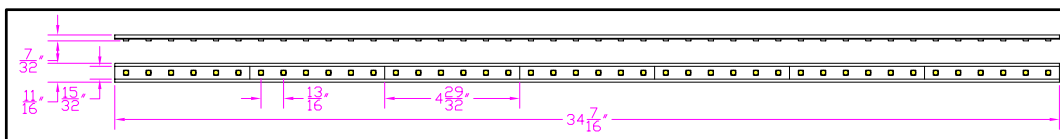
[POWER SUPPLY] 24VDC CONSTANT VOLTAGE SOURCE

[INPUT] 24VDC, 10.41W

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	10.41
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.82 ft
Luminous Width (90-270)	0.02 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	51152	51045	51125
55	50495	50362	50130
65	47824	47372	46966
75	40371	39708	39119
85	27565	26034	24065

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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	266.0	266.0	266.0	266.0	266.0
5	266.2	265.7	266.0	265.8	265.7
10	263.8	263.3	262.4	262.9	263.2
15	258.7	258.9	258.3	258.5	259.1
20	252.6	252.1	251.8	252.6	252.7
25	244.4	243.6	243.5	244.3	243.8
30	234.2	232.8	233.0	233.6	233.4
35	221.3	221.4	220.5	221.1	220.8
40	206.0	206.6	206.1	206.1	207.2
45	189.7	189.4	189.3	189.0	189.6
50	170.7	170.9	170.4	170.0	169.8
55	151.9	152.0	151.5	150.9	150.8
60	129.9	130.0	129.6	128.6	128.5
65	106.0	105.7	105.0	104.4	104.1
70	80.6	80.2	79.6	79.6	78.8
75	54.8	54.5	53.9	53.5	53.1
80	31.0	30.7	30.4	29.7	29.2
85	12.6	12.5	11.9	11.2	11.0
90	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	210.76	N.A.	26.20
0-40	348.96	N.A.	43.30
0-60	629.79	N.A.	78.20
0-90	805.73	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	805.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.28
10-20	73.05
20-30	112.43
30-40	138.20
40-50	145.95
50-60	134.88
60-70	103.78
70-80	57.48
80-90	14.68
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

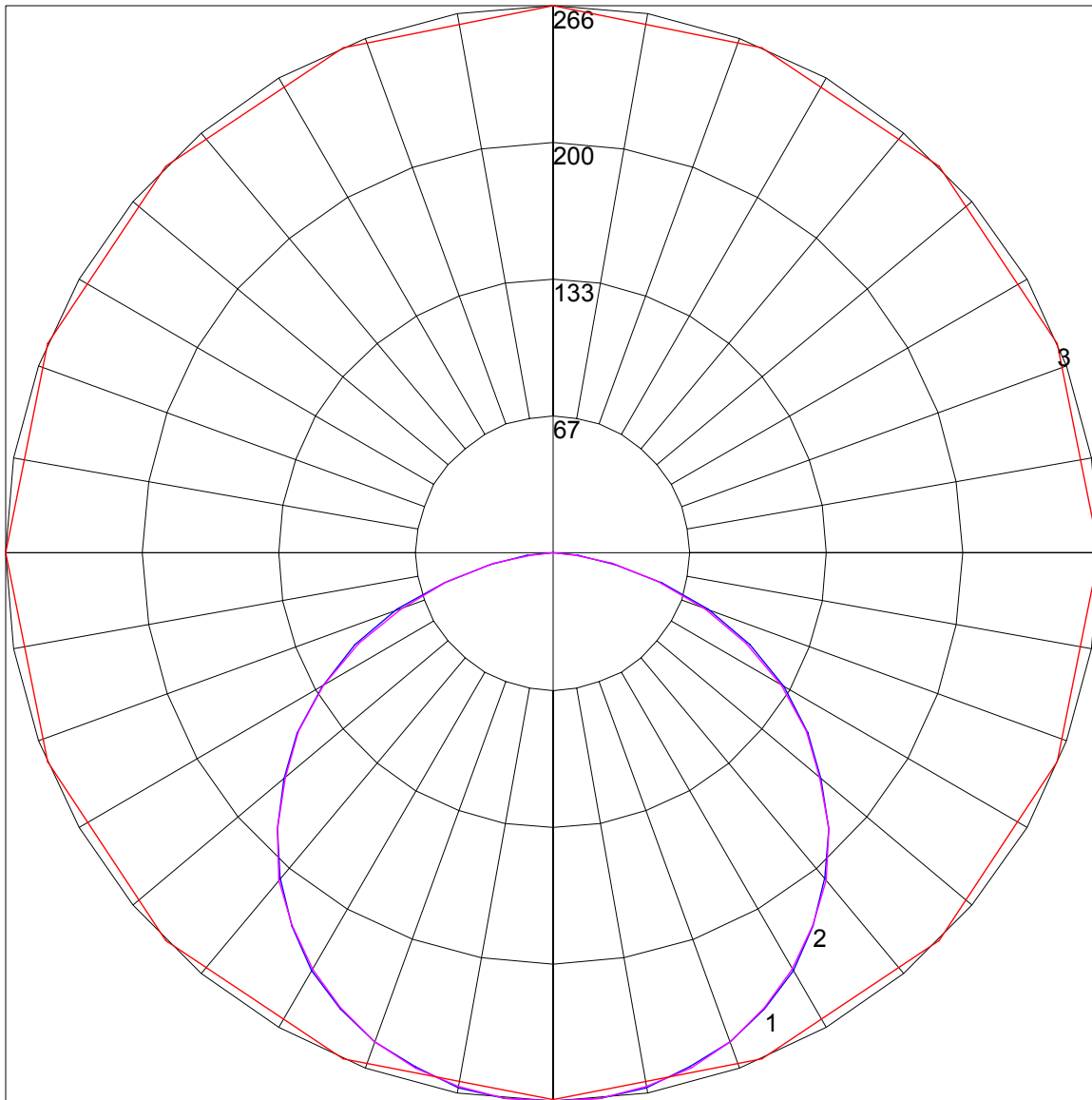
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	29	25	23

POLAR GRAPH



Maximum Candela = 266.2 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