

LIGHT LABORATORY, INC.

8165 E Kaiser Blvd. Anaheim, CA 92808

SHT 1 OF 7

Test #: L07110603

Date: 7/26/2011

Luminaire Photometric Performance LM-79-2008

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

Total Lumens:	516.90
Input Power (W):	9.17
Input Current (Amp):	0.38
Input Power Factor:	N.A.
Efficacy: 56.37	
Color Rendering Index (CRI):	81.90
Correlated Color Temperature (K):	2954
Chromaticity Ordinate x:	0.439
Chromaticity Ordinate y:	0.403

*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

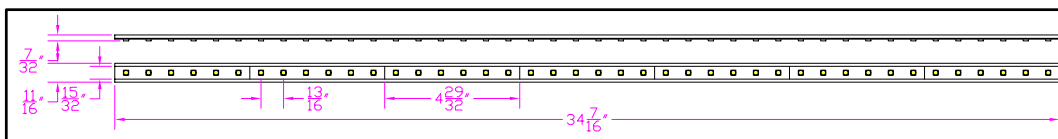
PHOTOMETRIC FILENAME : L07110603.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L07110603
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 7/26/2011
[MANUFAC] CALIFORNIA ACCENT LIGHTING
[LUMCAT] LPL8150/4W/LED-WW
[LUMINAIRE] 34-7/16"L. X 11/16"W. X 7/32"H. LED STRIP
[MORE] 7 MODULES, EACH MODULE HAS 6 WARM WHITE LEDS WITH 13/16" LED SPACING
[MORE] TOTAL 42 LEDS, LED STRIP IS ON ALUMINUM CHANNEL
[LAMPPOSITION] 0,0
[LAMPCAT] WARM 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, 9.17W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	517
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	9.17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
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	32708	32574	32655
55	31580	31414	31281
65	29281	28920	28649
75	24385	23943	23427
85	15970	14876	13564

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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	184.6	184.6	184.6	184.6	184.6
5	183.8	183.7	183.8	183.9	183.6
10	181.0	181.4	180.8	180.9	180.9
15	176.5	176.8	176.3	176.5	176.7
20	171.0	170.6	170.4	170.9	170.7
25	163.7	163.4	163.2	163.3	163.2
30	154.8	154.5	154.1	154.4	154.4
35	144.5	144.7	144.1	144.3	144.4
40	133.5	133.8	133.3	133.2	133.6
45	121.3	121.1	120.8	120.4	121.1
50	107.9	107.9	107.3	107.0	106.9
55	95.0	94.9	94.5	94.0	94.1
60	80.6	80.3	79.9	79.3	79.1
65	64.9	64.7	64.1	63.2	63.5
70	48.9	48.7	48.3	48.0	47.5
75	33.1	32.8	32.5	32.1	31.8
80	18.4	18.3	18.0	17.7	17.4
85	7.3	7.1	6.8	6.4	6.2
90	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	142.52	N.A.	27.60
0-40	232.88	N.A.	45.10
0-60	410.29	N.A.	79.40
0-90	516.90	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	516.90	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.45
10-20	49.83
20-30	75.24
30-40	90.36
40-50	93.22
50-60	84.19
60-70	63.43
70-80	34.61
80-90	8.57
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

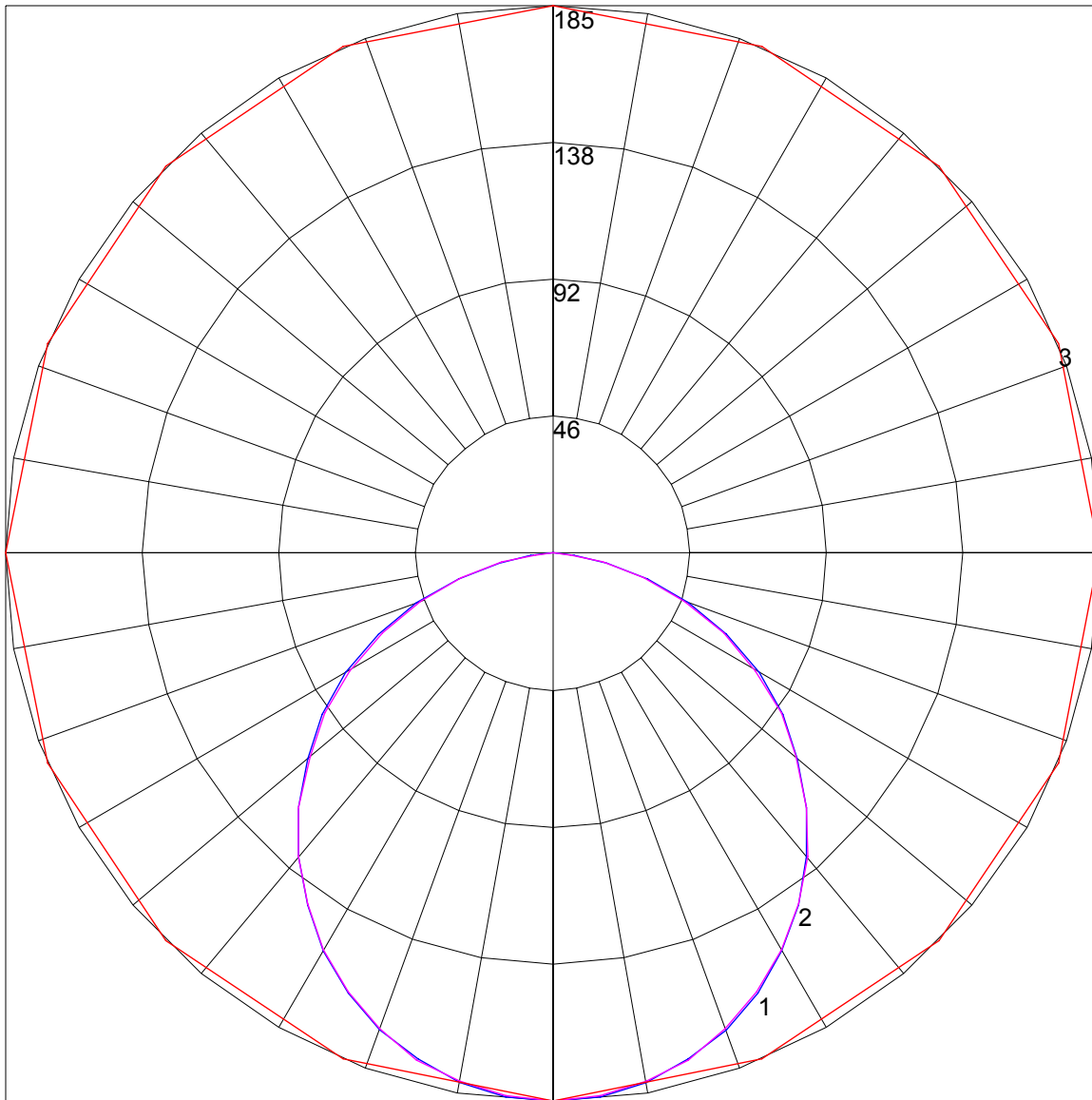
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 184.6 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