



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HOUSE LIGHT 6IN 27K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041411203
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 05/05/2014
 [MANUFAC] TEMPO
 [LUMCAT] C4R05-06-5106-108HU27S-NA
 [LUMINAIRE] 2-1/8"L. X 6-1/8"W. X 1-3/8"H. LED T BAR LIGHT
 [MORE] FROSTED LENS
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 36VDC, 5.00W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	425
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.18 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13544	13849	16286
55	11337	12467	15332
65	9178	10562	13471
75	6249	6446	4746
85	2959	1971	2041

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	149.93	149.93	149.93	149.93	149.93	149.93	149.93	149.93	149.93	149.93
5	150.09	150.13	150.17	150.17	150.17	150.13	150.13	150.05	150.01	149.92
10	146.48	146.48	146.52	146.65	146.69	146.82	146.90	146.94	147.03	147.11
15	144.38	144.38	144.38	144.38	144.30	144.13	144.00	143.67	143.21	142.83
20	139.51	139.68	139.76	139.68	139.47	138.88	138.30	137.75	137.37	137.04
25	133.72	133.64	133.60	133.34	132.88	132.29	131.75	131.03	130.70	130.62
30	125.24	125.16	124.91	124.57	124.19	123.61	123.31	123.48	123.77	124.36
35	116.01	116.01	115.55	114.92	114.29	114.04	114.54	115.38	116.22	117.18
40	107.61	107.57	106.99	105.98	105.05	104.68	105.14	106.23	107.87	109.00
45	97.96	97.79	97.29	96.28	95.86	96.16	96.70	97.42	98.38	99.47
50	85.96	85.66	84.91	84.32	84.74	86.08	87.59	88.10	88.43	89.02
55	71.69	71.52	70.89	71.39	72.95	74.58	76.09	77.10	77.61	78.11
60	59.01	58.68	58.17	59.14	60.86	62.71	64.34	65.56	66.40	67.03
65	47.93	47.72	47.64	48.48	49.40	50.41	52.00	53.51	54.10	54.48
70	35.00	34.79	35.17	36.39	37.48	38.36	38.95	39.83	40.63	40.80
75	24.76	24.64	24.97	25.64	26.44	26.78	26.78	26.69	26.32	25.10
80	15.78	15.87	16.33	16.75	16.91	16.50	15.24	13.73	12.17	10.49
85	7.64	8.18	8.98	9.32	8.81	8.10	7.22	6.34	5.62	4.95
90	2.69	3.11	3.74	4.03	4.16	4.07	3.82	3.53	3.23	2.90
95	3.36	2.81	2.31	2.22	2.35	2.35	2.39	2.22	2.14	2.02
100	3.86	3.27	2.35	1.85	1.72	1.68	1.64	1.60	1.60	1.60
105	3.69	3.19	2.35	1.68	1.43	1.39	1.30	1.30	1.34	1.30
110	3.19	2.85	2.22	1.68	1.30	1.22	1.13	1.13	1.09	1.09
115	2.77	2.56	2.14	1.68	1.30	1.09	1.01	1.01	1.01	1.01
120	2.43	2.27	1.97	1.68	1.39	1.18	1.05	1.01	0.92	0.92
125	2.18	2.06	1.85	1.60	1.43	1.22	1.05	1.01	0.92	0.92
130	1.85	1.85	1.72	1.55	1.39	1.22	1.09	1.05	1.01	0.92
135	1.60	1.60	1.55	1.39	1.34	1.22	1.18	1.05	1.05	1.01
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	149.93	149.93	149.93	149.93	149.93	149.93	149.93	149.93	149.93
5	149.84	149.71	149.50	149.42	149.25	149.17	149.08	149.00	149.00
10	147.15	147.11	146.94	146.77	146.44	146.14	145.85	145.68	145.64
15	142.37	142.03	141.86	141.74	141.70	141.44	141.07	140.69	140.35
20	136.74	136.49	136.07	136.03	136.28	136.45	136.53	136.32	135.99
25	130.91	130.99	130.83	130.70	131.08	131.45	131.87	132.04	131.96
30	124.99	125.54	126.08	126.25	126.50	126.88	126.96	126.96	126.75
35	118.07	118.95	119.53	120.08	120.16	120.16	120.46	120.58	120.21
40	109.92	110.85	111.39	111.90	112.40	112.61	112.53	112.69	112.90
45	100.77	101.74	102.37	102.79	103.25	103.33	103.21	103.67	104.09
50	89.82	90.74	92.17	92.92	93.18	93.68	94.10	94.31	94.44
55	79.07	80.17	81.55	82.14	82.43	82.94	82.43	82.05	82.01
60	67.53	68.46	69.13	69.63	69.97	70.55	70.55	69.84	69.84

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CANDELA TABULATION - (Cont.)

65	54.56	54.90	55.44	56.12	56.66	56.96	56.79	56.24	55.82
70	40.67	40.17	39.79	39.50	39.03	38.19	37.19	36.05	35.93
75	23.08	20.99	19.10	17.42	16.03	15.11	14.19	13.56	13.35
80	9.19	8.06	7.26	6.59	6.09	5.71	5.50	5.29	5.20
85	4.45	4.03	3.74	3.48	3.23	3.15	2.98	2.90	2.85
90	2.69	2.43	2.31	2.14	2.02	1.89	1.81	1.72	1.68
95	1.93	1.81	1.72	1.55	1.47	1.39	1.34	1.34	1.26
100	1.55	1.47	1.34	1.30	1.26	1.18	1.13	1.09	1.09
105	1.30	1.26	1.26	1.13	1.09	1.09	0.97	0.92	0.92
110	1.09	1.09	1.09	1.09	0.97	0.92	0.92	0.92	0.92
115	1.01	1.01	0.92	0.92	0.92	0.92	0.92	0.92	0.92
120	0.92	0.92	0.92	0.92	0.92	0.92	0.84	0.84	0.84
125	0.92	0.92	0.88	0.88	0.84	0.84	0.84	0.84	0.84
130	0.88	0.88	0.88	0.88	0.84	0.84	0.84	0.84	0.84
135	0.88	0.88	0.88	0.84	0.84	0.84	0.84	0.84	0.84
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	54.46	N.A.	12.80
0-30	115.24	N.A.	27.10
0-40	188.77	N.A.	44.40
0-60	335.23	N.A.	78.80
0-80	411.74	N.A.	96.80
0-90	418.57	N.A.	98.40
10-90	404.39	N.A.	95.10
20-40	134.30	N.A.	31.60
20-50	211.24	N.A.	49.70
40-70	198.52	N.A.	46.70
60-80	76.52	N.A.	18.00
70-80	24.46	N.A.	5.80
80-90	6.83	N.A.	1.60
90-110	3.90	N.A.	0.90
90-120	5.13	N.A.	1.20
90-130	6.16	N.A.	1.40
90-150	6.80	N.A.	1.60
90-180	6.80	N.A.	1.60
110-180	2.90	N.A.	0.70
0-180	425.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	14.18
10-20	40.28
20-30	60.78
30-40	73.52
40-50	76.93
50-60	69.53
60-70	52.06
70-80	24.46
80-90	6.83
90-100	2.32
100-110	1.58
110-120	1.23
120-130	1.03
130-140	0.64
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

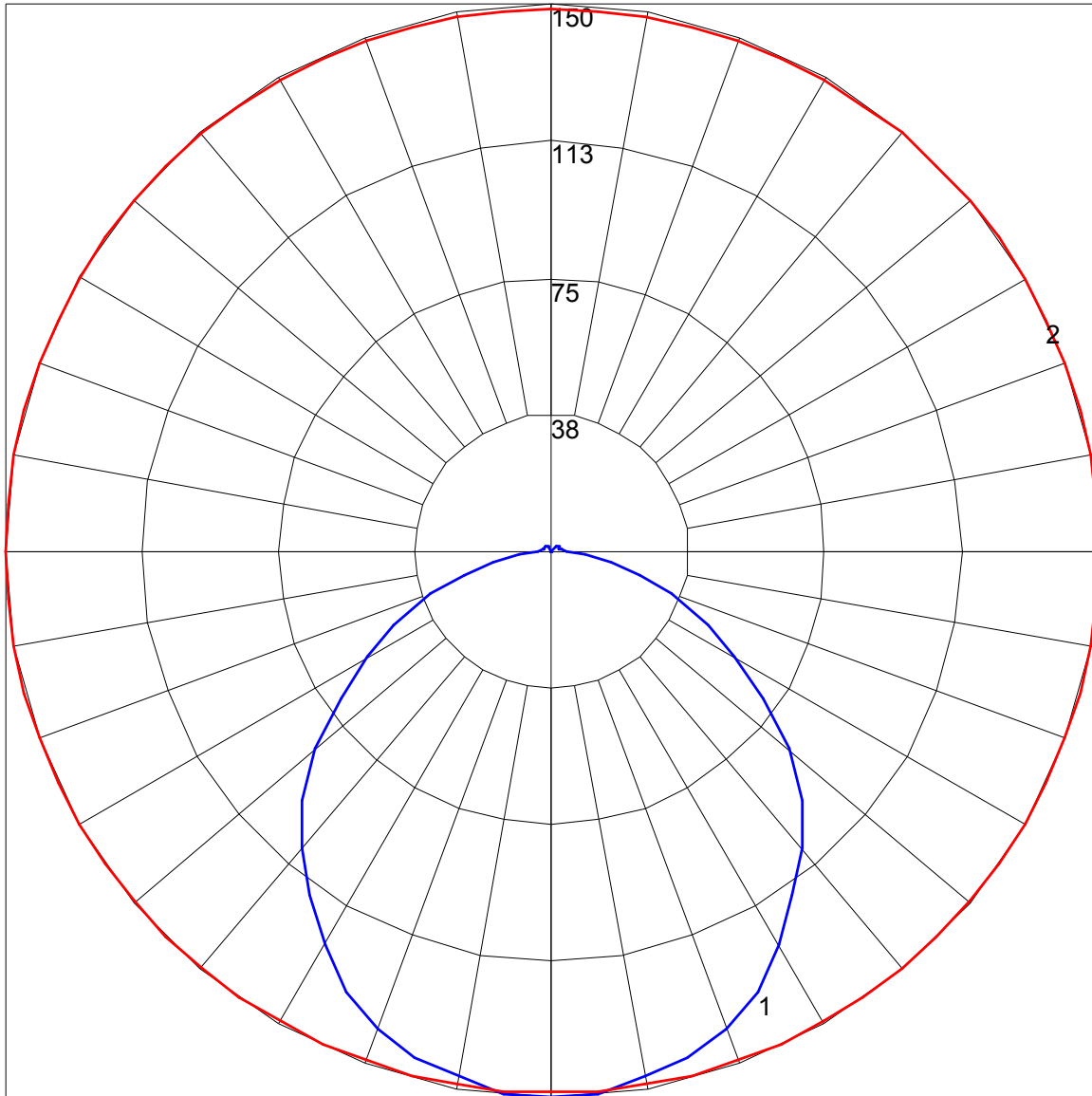
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	109	104	100	96	106	102	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	83	77	85	80	75	81	77	73	78	75	71	69
3	90	80	72	65	88	78	71	64	75	68	63	72	66	62	69	65	61	58
4	83	71	62	55	80	69	61	55	66	59	54	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	46	57	51	46	55	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	33	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	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 150.17 Located At Horizontal Angle = 10, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (10 - 190) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)