



Filename: FN 3xT5 ho wh refl

Manufacturer: Stanpro

Luminaire: 3/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED &
GASKETED LUMINAIRE WHITE REFLECTOR w/CLEAR
ACRYLIC DROP LENS REFL=86% UNIVERSAL BALLAST
WATTS=329

Luminaire Cat: FN4 3-54-3LT5

Lamp Cat: FN54T5HO/835/C

Lamp Output: 3 lamp(s), rated Lumens/lamp: 4900

Max Candela: 3,666.0 at Horizontal: 90°, Vertical: 15°

Input Wattage: 168

Luminous Opening: Rectangle w/Luminous Sides (L: 4.23ft, W: 1.12ft, H:
0.25ft)

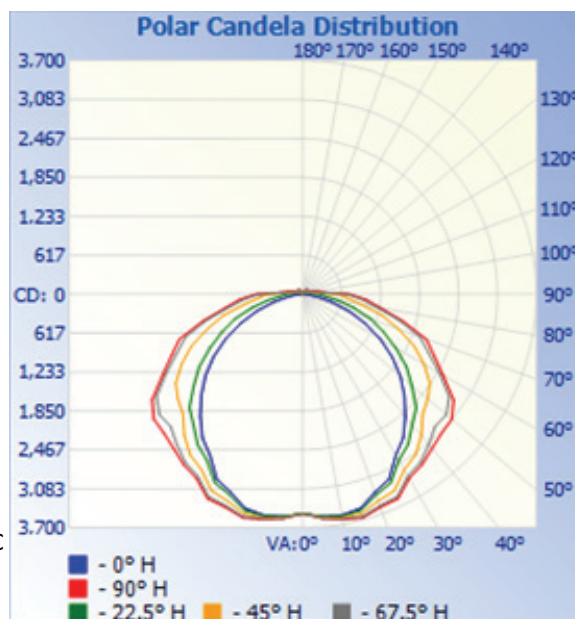
Test: BALLABS TEST NO. 14142.0

Test Lab: BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

Photometry : Type C

CIE Class: Direct

Cutoff Class: Noncutoff



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	87.7%	12,891.7	n/a	164.1
Beam (50%):	68.8%	10,114.1	145.6	111.1
Total:	91.3%	13,423.3		

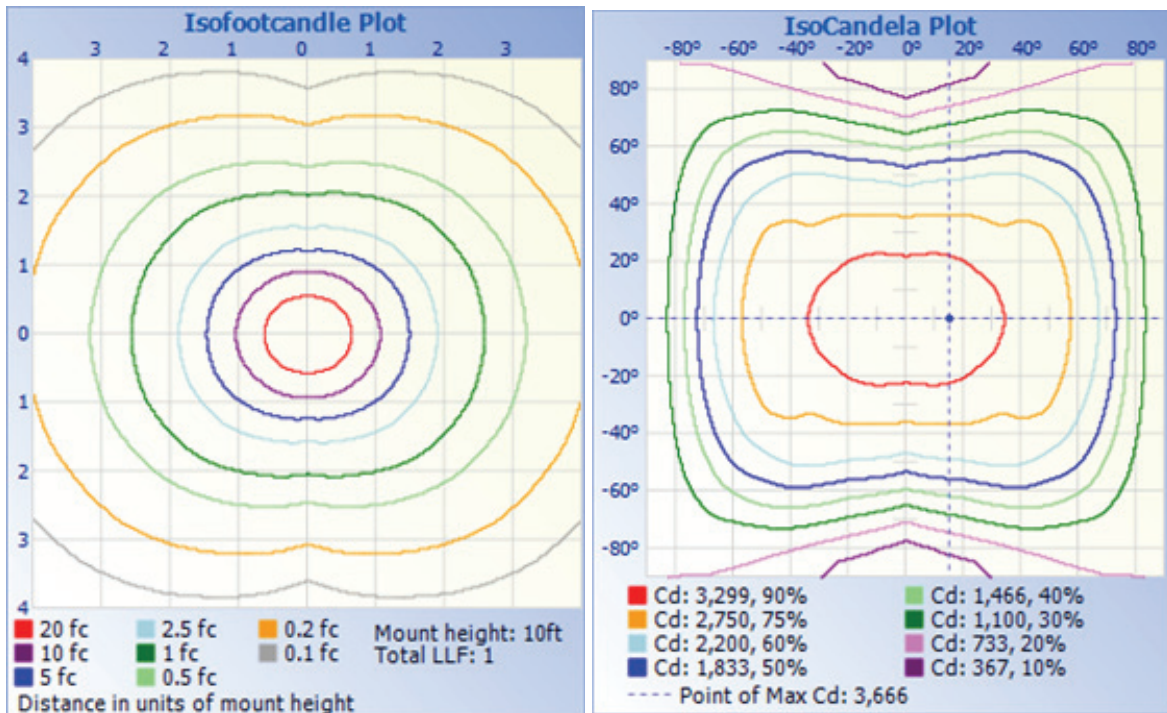
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,904.2	19.8%	21.6%
0-40	4,819.8	32.8%	35.9%
0-60	9,053.4	61.6%	67.4%
60-90	3,772.1	25.7%	28.1%
0-90	12,825.5	87.2%	95.5%
90-180	597.6	4.1%	4.5%
0-180	13,423.1	91.3%	100%

Efficiency Total: 91.3%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	340.0	2.5%	90-100	289.9	2.2%
10-20	1,007.9	7.5%	100-110	109.1	0.8%
20-30	1,556.4	11.6%	110-120	67.3	0.5%
30-40	1,915.6	14.3%	120-130	56.9	0.4%
40-50	2,110.5	15.7%	130-140	41.6	0.3%
50-60	2,123.1	15.8%	140-150	23.1	0.2%
60-70	1,796.0	13.4%	150-160	9.4	0.1%
70-80	1,262.4	9.4%	160-170	0.4	0%
80-90	713.7	5.3%	170-180	0	0%



Illuminance at a Distance		
	Center Beam FC	Beam Width
3.0ft	386.17 fc	8.7ft 19.4ft
6.0ft	96.54 fc	17.5ft 38.7ft
9.0ft	42.91 fc	26.2ft 58.1ft
12.0ft	24.14 fc	35.0ft 77.4ft
15.0ft	15.45 fc	43.7ft 96.8ft
18.0ft	10.73 fc	52.4ft 116.1ft
Vert. Spread: 111.1° Horiz. Spread: 145.6°		

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.08	1.08	1.08	1.08	1.05	1.05	1.05	.87	.99	.99	.99	.94	.94	.94	.89	.89	.89	.87
1	.96	.91	.87	.83	.93	.89	.85	.70	.84	.81	.77	.80	.77	.74	.76	.73	.71	.69
2	.87	.78	.71	.65	.84	.76	.70	.57	.72	.67	.62	.69	.64	.60	.65	.61	.58	.56
3	.79	.68	.60	.53	.76	.66	.59	.48	.63	.56	.51	.60	.54	.50	.57	.52	.48	.46
4	.72	.60	.51	.45	.69	.58	.50	.40	.55	.48	.43	.53	.47	.42	.50	.45	.41	.39
5	.66	.53	.44	.38	.63	.52	.44	.35	.49	.42	.37	.47	.41	.36	.45	.39	.35	.33
6	.60	.48	.39	.33	.58	.46	.38	.30	.44	.37	.32	.42	.36	.31	.41	.35	.31	.29
7	.56	.43	.35	.29	.54	.42	.34	.27	.40	.33	.28	.38	.32	.27	.37	.31	.27	.25
8	.52	.39	.31	.25	.50	.38	.31	.24	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
9	.48	.36	.28	.23	.47	.35	.28	.21	.34	.27	.22	.32	.26	.22	.31	.26	.22	.20
10	.45	.33	.25	.20	.44	.32	.25	.19	.31	.25	.20	.30	.24	.20	.29	.23	.19	.18

Candela Table - Type C

	0	22.5	45	67.5	90
0	3476	3476	3476	3476	3476
5	3537	3537	3549	3562	3564
10	3555	3564	3589	3608	3620
15	3515	3543	3596	3644	3666
20	3340	3386	3488	3564	3589
25	3232	3296	3432	3536	3570
30	2945	3038	3210	3327	3368
35	2776	2905	3108	3247	3294
40	2526	2696	2920	3106	3186
45	2274	2540	2684	2962	3112
50	2014	2252	2582	2967	3081
55	1725	2002	2456	2828	2914
60	1408	1698	2215	2496	2563
65	1081	1408	1947	2196	2292
70	773	1143	1608	1972	2080
75	478	844	1306	1568	1636
80	234	566	948	1186	1244
85	102	342	702	940	1014
90	49	268	579	708	746
95	44	136	228	308	336
100	36	70	142	216	246
105	0	64	96	144	166
110	0	55	83	108	114
115	0	52	70	92	96
120	0	55	74	83	89
125	0	40	86	83	83
130	0	30	80	98	98
135	0	0	70	92	94
140	0	0	55	80	86
145	0	0	46	64	70
150	0	0	36	49	55
155	0	0	30	40	40
160	0	0	0	0	34
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 14142.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 04-JUN-2008

[MANUFAC] Stanpro

[LUMINAIRE] 3/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE

[MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%

[MORE] UNIVERSAL BALLAST WATTS=329

[LUMCAT] FN4 3-54-3LT5

[LAMPCAT] FN54T5HO/835/C

FILE: CANDELA MULTIPLIER: 0.5

FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 5

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: STANDARD

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.