



**Filename:** FN 3xT5 ho SPEC REFL

**Manufacturer:** Stanpro

**Luminaire:** 3/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED &  
GASKETED LUMINAIRE SPECULAR REFLECTOR w/CLEAR  
ACRYLIC DROP LENS UNIVERSAL BALLAST

**Luminaire Cat:** FN4-3LT5-R

**Lamp Cat:** FP54T5HO/835/C

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

**Max Candela:** 4,230.0 at Horizontal: 90°, Vertical: 15°

**Input Wattage:** 168

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

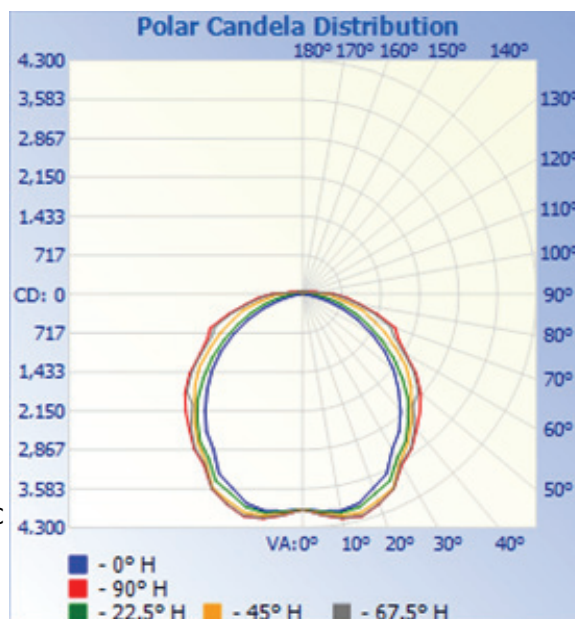
**Test:** BALLABS TEST NO. 14141.0

**Test Lab:** BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Semicutoff



#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	87.2%	12,811.9	n/a	158.4
Beam (50%):	61.8%	9,083.7	122.6	103.7
Total:	91.3%	13,424.0		

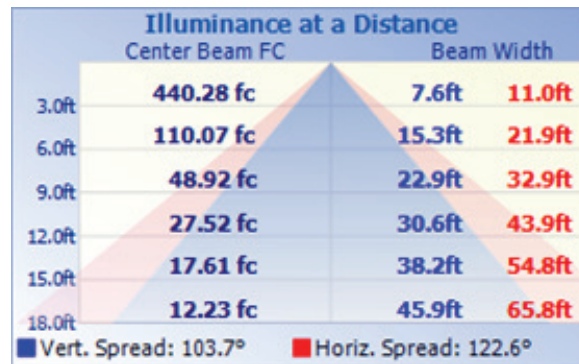
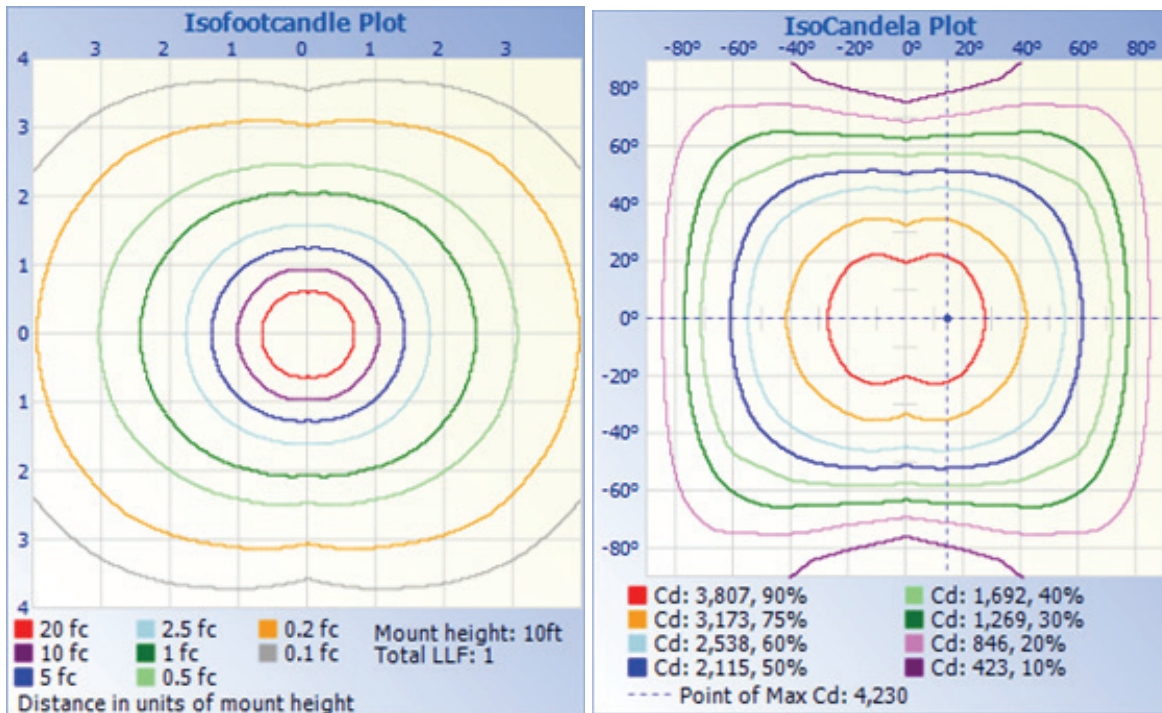
#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,309.0	22.5%	24.7%
0-40	5,394.9	36.7%	40.2%
0-60	9,576.0	65.1%	71.3%
60-90	3,283.7	22.3%	24.5%
0-90	12,859.8	87.5%	95.8%
90-180	563.8	3.8%	4.2%
0-180	13,423.5	91.3%	100%

Efficiency Total: 91.3%

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	389.3	2.9%	90-100	253.6	1.9%
10-20	1,160.1	8.6%	100-110	109.9	0.8%
20-30	1,759.6	13.1%	110-120	71.9	0.5%
30-40	2,086.0	15.5%	120-130	55.6	0.4%
40-50	2,172.3	16.2%	130-140	40.1	0.3%
50-60	2,008.8	15.0%	140-150	23.7	0.2%
60-70	1,591.4	11.9%	150-160	8.4	0.1%
70-80	1,098.9	8.2%	160-170	0.5	0%
80-90	593.4	4.4%	170-180	0	0%



### 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	.90	.90	.90	.87
1	.97	.92	.88	.84	.94	.90	.86	.72	.85	.82	.79	.81	.78	.76	.77	.75	.73	.71
2	.88	.80	.73	.68	.85	.78	.72	.59	.74	.69	.64	.70	.66	.62	.67	.64	.60	.58
3	.80	.70	.62	.56	.77	.68	.61	.50	.65	.59	.54	.62	.57	.52	.59	.55	.51	.49
4	.73	.62	.53	.47	.71	.60	.53	.43	.58	.51	.46	.55	.49	.44	.52	.48	.43	.41
5	.67	.55	.47	.40	.65	.54	.46	.37	.51	.45	.39	.49	.43	.38	.47	.42	.38	.36
6	.62	.50	.41	.35	.60	.48	.41	.33	.46	.39	.34	.44	.38	.34	.43	.37	.33	.31
7	.57	.45	.37	.31	.56	.44	.36	.29	.42	.35	.30	.41	.34	.30	.39	.33	.29	.27
8	.53	.41	.33	.28	.52	.40	.33	.26	.39	.32	.27	.37	.31	.27	.36	.30	.26	.24
9	.50	.38	.30	.25	.48	.37	.30	.23	.35	.29	.24	.34	.28	.24	.33	.28	.24	.22
10	.47	.35	.27	.22	.45	.34	.27	.21	.33	.26	.22	.32	.26	.22	.31	.25	.21	.20

**Candela Table - Type C**

	0	22.5	45	67.5	90
0	3962	3962	3962	3962	3962
5	4013	4022	4050	4074	4084
10	4048	4079	4138	4180	4193
15	3986	4058	4156	4220	<b>4230</b>
20	3796	3900	4045	4104	4110
25	3648	3792	3934	3952	3956
30	3294	3478	3570	3610	3638
35	3090	3300	3358	3466	3482
40	2798	3022	3099	3207	3250
45	2491	2738	2822	2871	3050
50	2184	2384	2588	2785	2828
55	<b>1842</b>	<b>2033</b>	<b>2316</b>	<b>2496</b>	<b>2542</b>
60	<b>1476</b>	<b>1664</b>	<b>1968</b>	<b>2150</b>	<b>2178</b>
65	<b>1115</b>	<b>1318</b>	<b>1670</b>	<b>1852</b>	<b>1938</b>
70	<b>773</b>	<b>1020</b>	<b>1356</b>	<b>1713</b>	<b>1808</b>
75	<b>459</b>	<b>736</b>	<b>1143</b>	<b>1352</b>	<b>1420</b>
80	<b>216</b>	<b>486</b>	<b>798</b>	<b>1020</b>	<b>1060</b>
85	<b>92</b>	<b>286</b>	<b>576</b>	<b>776</b>	<b>832</b>
90	<b>46</b>	<b>218</b>	<b>474</b>	<b>560</b>	<b>585</b>
95	<b>24</b>	<b>132</b>	<b>212</b>	<b>286</b>	<b>314</b>
100	<b>34</b>	<b>64</b>	<b>138</b>	<b>210</b>	<b>231</b>
105	<b>43</b>	<b>58</b>	<b>96</b>	<b>142</b>	<b>160</b>
110	<b>40</b>	<b>55</b>	<b>83</b>	<b>104</b>	<b>114</b>
115	<b>40</b>	<b>49</b>	<b>77</b>	<b>96</b>	<b>102</b>
120	<b>0</b>	<b>55</b>	<b>70</b>	<b>83</b>	<b>89</b>
125	<b>0</b>	<b>43</b>	<b>77</b>	<b>80</b>	<b>83</b>
130	<b>0</b>	<b>36</b>	<b>77</b>	<b>96</b>	<b>92</b>
135	<b>0</b>	<b>0</b>	<b>64</b>	<b>86</b>	<b>90</b>
140	<b>0</b>	<b>0</b>	<b>55</b>	<b>80</b>	<b>86</b>
145	<b>0</b>	<b>0</b>	<b>49</b>	<b>68</b>	<b>70</b>
150	<b>0</b>	<b>0</b>	<b>36</b>	<b>52</b>	<b>55</b>
155	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>46</b>
160	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>
165	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
170	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
175	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
180	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Luminaire Report Summary**

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 14141.0

[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] SPECULAR REFLECTOR w/CLEAR ACRYLIC DROP LENS

[MORE] UNIVERSAL BALLAST

[LUMCAT] FN4-3LT5-R

[LAMPCAT] FP54T5HO/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.