



Filename: VN4 3X54T5HO SBR

Manufacturer: Stanpro

Luminaire: 3/54W T5HO C LAMP 52x7x4"SUSPENDED ENCLOSED
LUMINAIRE SPECULAR REFLECTOR w/CLEAR LINEAL
RIBBED ACRYLIC DROP LENS UNIVERSAL BALLAST

Luminaire Cat: VN4 3X54T5HO SBR

Lamp Cat: FP54T5HO/835/C

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

Max Candela: 3,127.5 at Horizontal: 90°, Vertical: 20°

Input Wattage: 100

Luminous Opening: Rectangle w/Luminous Sides (L: 4.23ft, W: 0.5ft, H: 0.16ft)

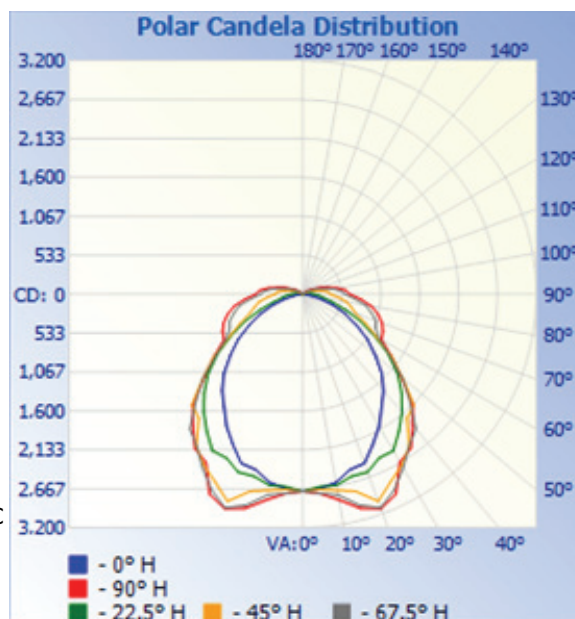
Test: BALLABS TEST NO. 14549.0

Test Lab: BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

Photometry : Type C

CIE Class: Direct

Cutoff Class: Semicutoff



Flood Summary

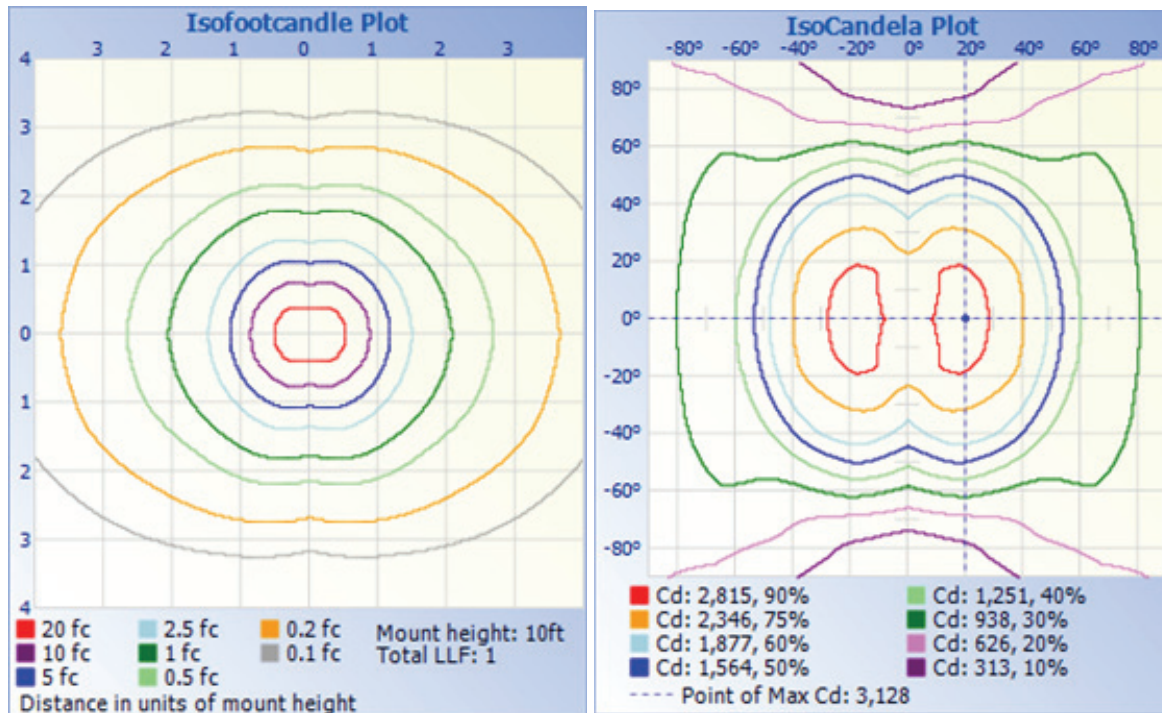
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	61.6%	9,057.5	n/a	155.7
Beam (50%):	38.3%	5,623.2	107	99.5
Total:	64.3%	9,457.4		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,311.6	15.7%	24.4%
0-40	3,808.8	25.9%	40.3%
0-60	6,587.2	44.8%	69.7%
60-90	2,199.5	15%	23.3%
0-90	8,786.7	59.8%	92.9%
90-180	668.0	4.5%	7.1%
0-180	9,454.7	64.3%	100%
Efficiency Total: 64.3%			

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	258.7	2.7%	90-100	342.8	3.6%
10-20	794.7	8.4%	100-110	197.4	2.1%
20-30	1,258.3	13.3%	110-120	85.8	0.9%
30-40	1,497.2	15.8%	120-130	32.2	0.3%
40-50	1,516.9	16.0%	130-140	9.0	0.1%
50-60	1,261.6	13.3%	140-150	0.8	0%
60-70	959.4	10.1%	150-160	0	0%
70-80	730.5	7.7%	160-170	0	0%
80-90	509.6	5.4%	170-180	0	0%



	Illuminance at a Distance	
	Center Beam FC	Beam Width
3.0ft	300.17 fc	7.1ft 8.1ft
6.0ft	75.04 fc	14.2ft 16.2ft
9.0ft	33.35 fc	21.3ft 24.3ft
12.0ft	18.76 fc	28.3ft 32.5ft
15.0ft	12.01 fc	35.4ft 40.6ft
18.0ft	8.34 fc	42.5ft 48.7ft
Vert. Spread: 99.5° Horiz. Spread: 107.0°		

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	50	30	20	0
RCR: 0	.75	.75	.75	.75	.73	.73	.73	.60	.69	.69	.69	.65	.65	.65	.61	.61	.61	.60			
1	.68	.65	.61	.59	.66	.63	.60	.49	.59	.57	.55	.56	.54	.52	.53	.51	.50	.48			
2	.62	.56	.51	.47	.59	.54	.50	.41	.51	.48	.45	.49	.46	.43	.46	.44	.41	.40			
3	.56	.49	.44	.39	.54	.48	.43	.34	.45	.41	.37	.43	.39	.36	.41	.38	.35	.33			
4	.51	.43	.38	.33	.50	.42	.37	.30	.40	.36	.32	.38	.34	.31	.36	.33	.30	.28			
5	.47	.39	.33	.29	.46	.38	.32	.26	.36	.31	.28	.34	.30	.27	.33	.29	.26	.25			
6	.44	.35	.29	.25	.42	.34	.29	.23	.32	.28	.24	.31	.27	.24	.30	.26	.23	.22			
7	.40	.32	.26	.22	.39	.31	.26	.20	.30	.25	.21	.28	.24	.21	.27	.23	.20	.19			
8	.38	.29	.23	.20	.36	.28	.23	.18	.27	.22	.19	.26	.22	.19	.25	.21	.18	.17			
9	.35	.27	.21	.18	.34	.26	.21	.16	.25	.20	.17	.24	.20	.17	.23	.19	.16	.15			
10	.33	.24	.19	.16	.32	.24	.19	.15	.23	.19	.16	.22	.18	.15	.21	.18	.15	.14			

Candela Table - Type C

	0	22.5	45	67.5	90
0	2702	2702	2702	2702	2702
5	2670	2648	2685	2739	2742
10	2619	2656	2727	2793	2862
15	2490	2583	2794	2992	3034
20	2466	2594	3020	3116	3128
25	2270	2475	2840	2958	3022
30	2088	2476	2708	2748	2656
35	1881	2294	2542	2536	2578
40	1719	2112	2217	2408	2343
45	1526	1912	2148	2070	2132
50	1292	1694	1784	1784	1755
55	1080	1426	1482	1449	1484
60	844	1131	1158	1206	1245
65	645	868	952	1102	1210
70	441	622	776	1065	1155
75	266	417	686	972	1066
80	132	291	610	874	960
85	58	225	489	714	800
90	28	147	380	578	646
95	14	102	351	531	596
100	0	72	268	424	482
105	0	44	198	315	354
110	0	18	129	225	262
115	0	10	80	148	180
120	0	0	42	108	129
125	0	0	20	70	92
130	0	0	21	36	51
135	0	0	0	24	33
140	0	0	0	12	12
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
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. 14549.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 13-APR-2009

[MANUFAC] Stanpro

[LUMINAIRE] 3/54W T5HO C LAMP 52x7x4"SUSPENDED ENCLOSED LUMINAIRE

[MORE] SPECULAR REFLECTOR w/CLEAR LINEAL RIBBED ACRYLIC DROP LENS

[MORE] UNIVERSAL BALLAST

[LUMCAT] VN4 3X54T5HO SBR

[LAMPCAT] FP54T5HO/835/C

FILE: CANDELA MULTIPLIER: 1.5

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.