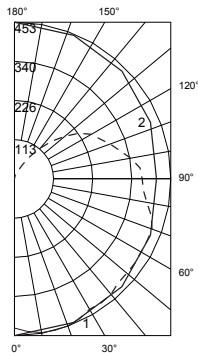


## 28W HE, Linear Prismatic Acrylic Lens

Test: L07136203 | Model#: IST5S-28-U-PRS-P-CM48-S-WH | Lamp: T5 28W HE | Total Lumens: 2692  
Luminaire Efficacy: 94 lm/W | Maximum Candela: 453 @ 15° from Vertical



#1 - Vertical plane through horizontal angles (90°-270°) (through max c.d.)  
#2 - Horizontal cone through vertical angle (15°) (through max c.d.)  
#3 - Nadir Value = 431.13 (horizontal = 0, vertical = 0)

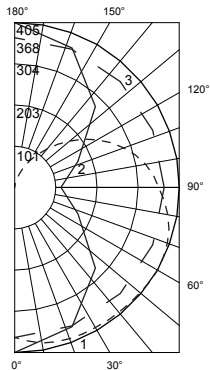
COEFFICIENTS OF UTILIZATION-ZONAL CAVITY METHOD																
Effective Floor Cavity Reflectance 0.20																
RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
0	99	99	99	99	94	94	94	94	84	84	84	75	75	75	67	67
1	87	81	77	72	82	77	73	69	69	65	62	61	58	55	54	49
2	78	69	62	56	73	65	59	54	58	53	49	51	47	44	45	39
3	70	60	52	46	66	57	49	43	50	44	40	45	40	36	39	32
4	64	53	44	38	60	50	42	36	50	38	33	39	34	30	34	27
5	59	47	38	32	55	44	36	31	50	33	28	35	30	25	31	23
6	54	42	33	27	50	39	32	26	50	29	24	31	26	22	28	20
7	50	37	29	24	47	35	28	23	50	26	21	28	23	19	25	17
8	46	34	26	21	43	32	25	20	50	23	19	26	23	17	23	15
9	43	31	24	19	40	29	23	18	50	21	17	24	23	15	21	14
10	40	28	21	17	38	27	21	16	50	19	15	22	23	14	20	12

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-20	164.99	5.40	6.1
0-60	1154.92	37.9	42.9
0-90	1924.66	63.1	71.5
20-40	436.53	14.3	16.2
40-70	828.46	27.2	30.8
70-80	258.38	8.5	9.6
90-110	406.58	13.3	15.1
90-130	672.05	22	25
90-180	767.18	25.2	28.5
0-180	2691.84	88.3	100

CANDELA TABULATION					
	0	22.5	45	67.5	90
0	431	431	431	431	431
15	411	426	440	449	453
30	357	381	408	429	436
45	262	294	360	410	425
60	133	195	314	392	424
75	37	109	264	376	410
90	0	93	207	337	370
105	0	92	171	282	315
120	0	65	155	229	258
135	0	14	88	133	154
150	0	9	17	42	49
165	0	0	8	10	11
180	0	0	0	0	0

## 28W HE, Frosted Acrylic Lens

Test: L07136201 | Model#: IST5S-28-U-PRS-F-CM48-S-WH | Lamp: T5 28W HE | Total Lumens: 2470  
Luminaire Efficacy: 86 lm/W | Maximum Candela: 405 @ 15° from Vertical



#1 - Vertical plane through horizontal angles (90°-270°) (through max c.d.)  
#2 - Horizontal cone through vertical angle (60°) (through max c.d.)  
#3 - Nadir Value = 367.94 (horizontal = 0, vertical = 0)

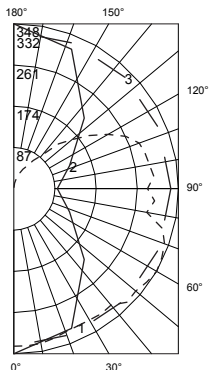
COEFFICIENTS OF UTILIZATION-ZONAL CAVITY METHOD																
Effective Floor Cavity Reflectance 0.20																
RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
0	91	91	91	91	86	86	86	86	77	77	77	68	68	68	60	60
1	79	74	70	66	75	70	66	62	59	56	55	52	50	48	46	44
2	71	63	57	51	66	59	54	49	53	48	44	46	42	39	40	37
3	64	54	47	41	60	51	45	39	45	40	35	40	35	32	35	31
4	58	48	40	34	54	45	38	32	40	34	29	35	30	26	31	27
5	53	42	34	29	50	40	33	27	35	29	25	31	26	22	27	23
6	49	38	30	25	46	36	29	24	32	26	21	28	23	19	25	20
7	45	34	27	21	42	32	25	20	29	23	19	25	21	17	22	18
8	42	31	24	19	39	29	23	18	26	20	16	23	18	15	20	16
9	39	28	21	17	37	27	20	16	24	18	15	21	17	13	19	15
10	36	26	19	15	34	24	18	14	22	17	13	20	15	12	17	14

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-20	141	4.60	5.7
0-60	1009	33.1	40.9
0-90	1732	56.8	70.1
20-40	376	12.3	15.2
40-70	748	24.5	30.3
70-80	244	8	9.9
90-110	372	12.2	15.1
90-130	618	20.3	25
90-180	737	24.2	29.9
0-180	2470	81	100

CANDELA TABULATION					
	0	22.5	45	67.5	90
0	368	368	368	368	368
15	343	358	376	388	392
30	279	313	354	385	398
45	214	247	317	377	401
60	114	168	281	370	405
75	48	110	242	352	393
90	0	86	178	313	354
105	0	83	154	269	308
120	0	64	135	205	234
135	0	33	93	133	150
150	0	12	49	69	78
165	0	7	14	20	23
180	0	0	0	0	0

## 28W HE, Perforated Steel Cover, 9/16" dia. holes, 3/16" staggered centers, 51% open

Test: L07136202 | Model#: IST5S-28-U-PRS-PERF-CM48-S-WH | Lamp: T5 28W HE | Total Lumens: 2079  
Luminaire Efficacy: 71 lm/W | Maximum Candela: 348 @ 15° from Vertical



#1 - Vertical plane through horizontal angles (90°-270°) (through max c.d.)  
#2 - Horizontal cone through vertical angle (60°) (through max c.d.)  
#3 - Candela Value = 331.75 located at horizontal cone through  
(nadir value (horizontal = 0, vertical = 0))

COEFFICIENTS OF UTILIZATION-ZONAL CAVITY METHOD																
Effective Floor Cavity Reflectance 0.20																
RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
0	76	76	76	76	72	72	72	72	64	64	64	45	45	45	50	50
1	67	62	59	55	62	59	55	52	52	49	47	45	43	41	40	38
2	60	53	48	43	56	50	45	41	44	40	37	38	35	33	31	29
3	54	46	40	35	50	43	38	33	38	33	30	33	30	27	29	26
4	49	40	34	29	46	38	32	27	33	29	25	29	25	22	25	22
5	45	36	29	24	42	34	28	23	30	25	21	26	22	19	23	19
6	41	32	25	21	38	30	24	20	27	22	18	23	19	16	20	17
7	38	29	23	18	36	27	21	17	24	19	16	21	17	14	19	15
8	35	26	20	16	33	25	19	15	22	17	14	19	15	13	17	14
9	33	24	18	14	31	22	17	14	20	16	12	18	14	11	16	12
10	31	22	16	13	29	21	16	12	18	14	11	16	13	10	15	11

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-20	122	4.00	5.9
0-60	834	27.4	40.1
0-90	1417	46.5	68.2
20-40	311	10.2	15
40-70	607	19.9	29.2
70-80	198	6.5	9.5
90-110	335	11	16.1
90-130	565	18.5	27.2
90-180	661	21.7	31.8
0-180	2079	68.1	100

CANDELA TABULATION					
	0	22.5	45	67.5	90
0	332	332	332	332	332
15	310	314	322	326	326
30	253	265	286	312	320
45	175	192	252	310	338
60	92	127	211	319	348
75	84	81	181	292	325
90	0	70	158	256	283
105	0	67	152	257	287
120	0	46	121	201	228
135	0	25	76	113	134
150	0	10	41	52	54
165	0	6	13	20	24
180	0	0	0	0	0