



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ISSUE]09/17/10
[TEST]ITL65757
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[MANUFAC]TECHNICAL CONSUMER PRODUCTS, INC.
[LUMCAT]ST4N3NML-STANDBY
[LUMINAIRE]FORMED WHITE PAINTED METAL HOUSING, FORMED WHITE PAINTED
[MORE]METAL SOCKET MOUNTING BRACKETS AND END CAPS, FORMED WHITE
[MORE]PAINTED METAL REFLECTOR, FORMED WHITE PAINTED PERFORATED
[MORE]METAL DIFFUSER WITH FROSTED PLASTIC OVERLAY. OVERLAY FROSTED
[MORE]SIDE UP.
[LAMP]ONE 25-WATT T-8 GE F25T8/SPX41 LINEAR FLUORESCENT.
[BALLAST]GE GE132MAX-N/ULTRA
[_ MOUNTING]WALL
[_ NOTE]TWO 32-WATT T-8 LAMPS INSTALLED BUT NOT ENERGIZED FOR THIS
[MORE]TEST.
[_ PAINTREFL]83.3 %
[OTHER]THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.
[OTHER]TOTAL INPUT WATTS = 20.3 AT 120.0 VOLTS
[OTHER]LUMEN TO CANDELA RATIO USED = 9.16

CHARACTERISTICS

Total Rated Lamp Lumens	2150
Total Luminaire Efficiency	37.8 %
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	3.93 ft
Luminous Height	0.49 ft



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1379	1069	360
55	1459	1124	212
65	1516	1162	89
75	1565	1183	0
85	1601	1225	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	25	25	25	25	25	25	25	25	25
2.5	33	31	31	28	26	24	22	21	20
5.0	41	36	35	30	25	22	19	18	16
7.5	49	45	40	32	25	20	16	15	14
10.0	59	53	46	34	24	18	14	12	11
12.5	69	62	53	36	24	17	12	10	9
15.0	79	71	59	38	23	15	10	9	8
17.5	92	80	65	40	23	14	9	7	6
20.0	103	91	70	42	22	13	8	6	5
22.5	116	101	78	45	21	11	6	5	4
25.0	127	111	84	47	20	10	5	3	3
27.5	139	122	90	48	19	9	4	2	2
30.0	152	133	96	50	18	8	3	2	1
32.5	164	143	102	51	17	7	2	1	0
35.0	175	153	109	52	16	6	2	0	0
37.5	186	163	114	53	15	5	1	0	0
40.0	198	173	121	54	14	4	0	0	0
42.5	208	183	126	55	13	3	0	0	0
45.0	217	191	131	55	12	2	0	0	0
47.5	228	200	137	55	10	2	0	0	0
50.0	235	208	141	55	9	1	0	0	0
52.5	245	215	145	55	8	1	0	0	0
55.0	251	221	148	54	6	0	0	0	0
57.5	258	227	151	54	5	0	0	0	0
60.0	264	233	154	53	4	0	0	0	0
62.5	269	238	156	52	3	0	0	0	0
65.0	275	243	159	51	2	0	0	0	0
67.5	279	247	160	51	2	0	0	0	0
70.0	284	250	162	50	1	0	0	0	0
72.5	287	253	163	49	1	0	0	0	0
75.0	290	256	163	48	0	0	0	0	0
77.5	293	258	164	47	0	0	0	0	0
80.0	294	260	165	46	0	0	0	0	0
82.5	294	261	165	46	0	0	0	0	0
85.0	294	262	165	45	0	0	0	0	0
87.5	296	262	165	45	0	0	0	0	0
90.0	296	261	164	44	0	0	0	0	0
92.5	294	260	163	44	0	0	0	0	0
95.0	293	259	163	44	0	0	0	0	0
97.5	291	257	162	44	0	0	0	0	0
100.0	289	256	162	45	0	0	0	0	0
102.5	286	253	161	46	0	0	0	0	0
105.0	283	251	159	46	0	0	0	0	0
107.5	279	247	158	47	1	0	0	0	0
110.0	275	243	156	47	1	0	0	0	0
112.5	271	239	155	48	2	0	0	0	0
115.0	265	234	152	49	2	0	0	0	0
117.5	259	229	150	49	3	0	0	0	0
120.0	252	223	147	49	4	0	0	0	0
122.5	247	218	145	50	5	1	0	0	0
125.0	239	211	141	51	7	2	0	0	0
127.5	232	203	137	51	8	2	0	0	0
130.0	223	195	132	51	9	2	0	0	0
132.5	213	187	128	51	10	3	0	0	0

**IES INDOOR REPORT
 PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES**

CANDELA TABULATION - (Cont.)

135.0	203	178	122	50	11	3	1	0	0
137.5	194	168	117	50	12	4	2	1	1
140.0	181	159	111	49	13	4	3	2	2
142.5	171	149	105	48	14	5	3	2	2
145.0	159	139	98	47	15	6	4	2	2
147.5	147	129	92	46	16	7	4	3	3
150.0	135	119	85	45	17	8	5	4	3
152.5	124	108	79	43	17	9	5	4	4
155.0	111	97	73	41	18	10	6	5	4
157.5	98	87	66	39	19	11	7	6	5
160.0	86	76	61	36	20	12	8	7	6
162.5	75	67	55	34	20	13	9	8	7
165.0	66	60	49	32	21	15	11	9	8
167.5	56	50	43	30	21	16	12	11	10
170.0	46	42	37	29	22	17	14	13	12
172.5	37	34	32	27	22	19	16	15	14
175.0	31	29	29	25	22	20	18	18	16
177.5	26	24	25	24	22	22	21	21	20
180.0	24	24	24	24	24	24	24	24	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	32.47	1.5	4
0-40	65.96	3.1	8.1
0-60	176.76	8.2	21.7
0-90	415.53	19.3	51.1
90-120	233.07	10.8	28.7
90-130	292.44	13.6	36
90-150	368.7	17.1	45.4
90-180	397.3	18.5	48.9
0-180	812.83	37.8	100

Total Luminaire Efficiency = 37.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.64
10-20	9.69
20-30	20.13
30-40	33.5
40-50	48.49
50-60	62.31
60-70	73.42
70-80	80.95
80-90	84.4
90-100	83.44
100-110	78.99
110-120	70.64
120-130	59.37
130-140	45.35
140-150	30.91
150-160	17.97
160-170	8.36
170-180	2.28

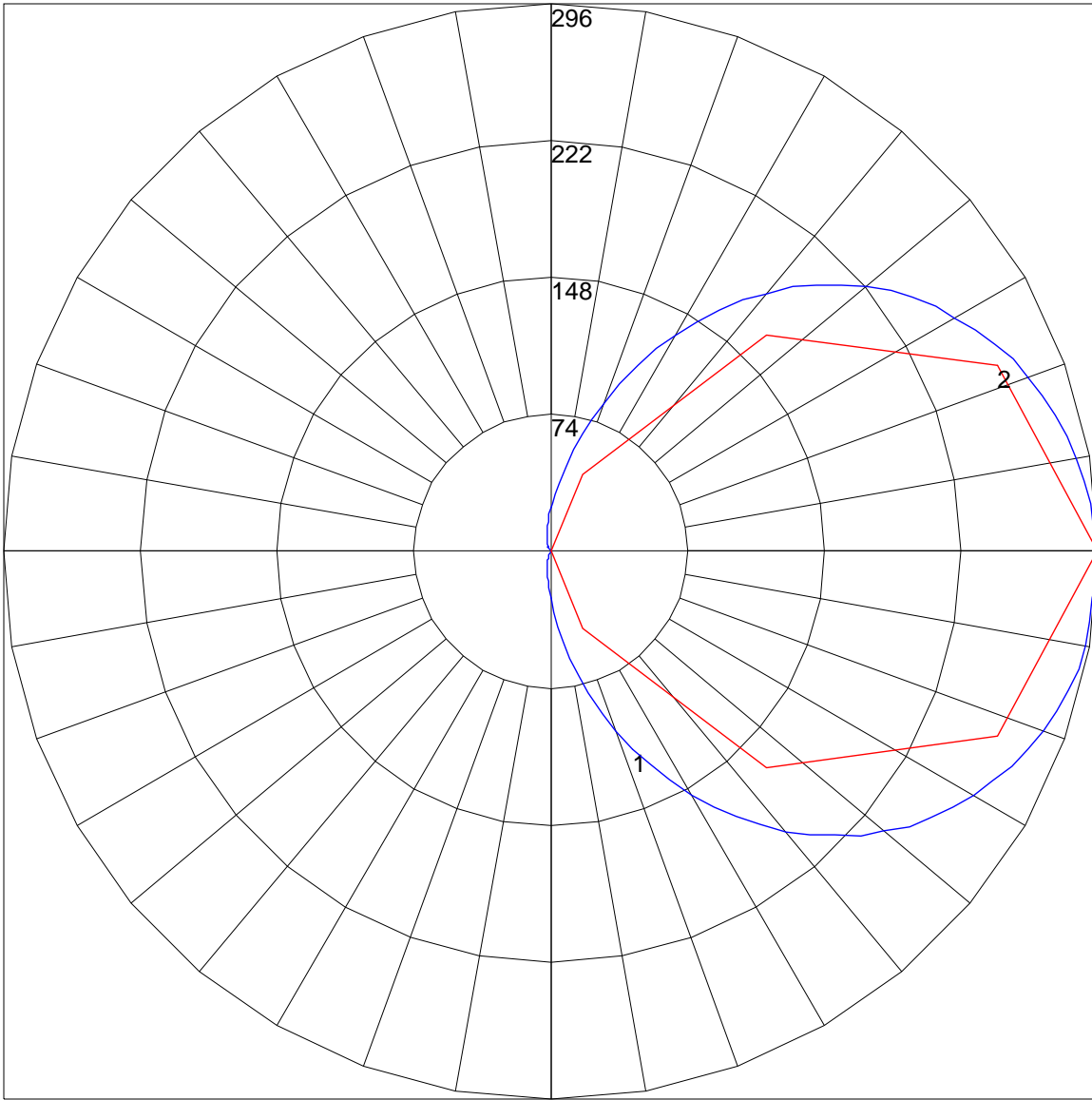
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ST4N3NML-STANDBY.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	41	41	41	41	38	38	38	38	32	32	32	26	26	26	22	22	22	19
1	35	33	30	28	32	30	28	26	25	23	22	20	19	18	16	15	14	12
2	31	27	24	22	28	25	22	20	21	18	17	17	15	14	13	12	11	9
3	28	23	20	17	25	21	18	16	18	15	13	14	12	11	11	9	8	6
4	25	20	17	14	23	19	15	13	15	13	11	12	10	9	9	8	6	5
5	23	18	14	12	21	16	13	11	13	11	9	11	9	7	8	7	5	4
6	21	16	12	10	19	14	11	9	12	9	7	9	7	6	7	6	4	3
7	19	14	11	8	18	13	10	8	11	8	6	9	7	5	7	5	4	3
8	18	13	9	7	16	12	9	7	10	7	5	8	6	4	6	4	3	2
9	17	11	8	6	15	11	8	6	9	6	5	7	5	4	5	4	3	2
10	15	10	7	5	14	10	7	5	8	6	4	6	5	3	5	4	2	2

POLAR GRAPH



Maximum Candela = 296 Located At Horizontal Angle = 0, Vertical Angle = 87.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (87.5) (Through Max. Cd.)