



# Lighting Sciences

An Advanced Lighting Technologies Company

7830 E. Evans Road  
Scottsdale, Arizona 85260 USA  
Tel: 480-991-9260 • Fax: 480-991-0375

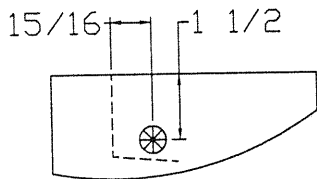
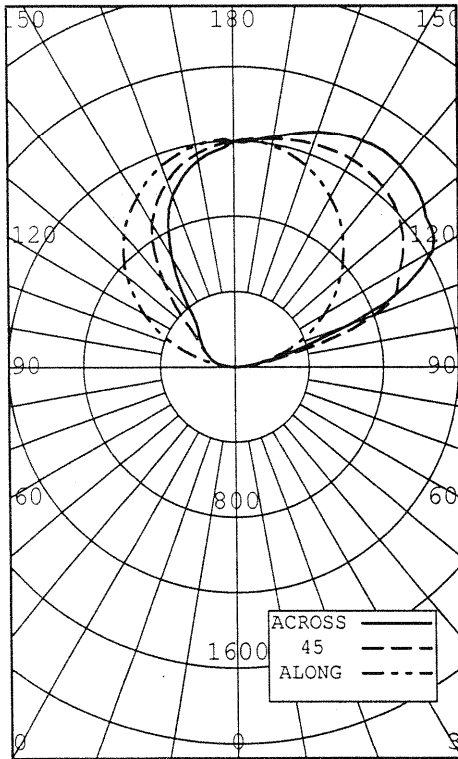
CERTIFIED TEST REPORT No. LSI

15711

WAL-WAVE

PRUDENTIAL 1 LAMP INDIRECT WALL MOUNT LUMINAIRE  
WITH WHITE INTERIOR

ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/841/HO. LUMEN RATING = 4500 LMS.  
ONE SYLVANIA QT1X54/120PHO BALLAST OPERATING AT 120 VAC AND 59 WATTS



ANGLE	CANDLEPOWER SUMMARY					OUTPUT LUMENS
	ALONG	BEAM SIDE			ACROSS	
		22.5	45	67.5		
180	1198	1198	1198	1198	1198	
175	1208	1220	1220	1208	1211	59
170	1194	1221	1232	1235	1246	
165	1170	1214	1248	1269	1286	176
160	1137	1199	1260	1302	1331	
155	1094	1179	1269	1334	1365	289
150	1041	1153	1274	1356	1390	
145	982	1130	1266	1366	1403	387
140	912	1082	1249	1362	1396	
135	834	1040	1220	1341	1376	454
130	749	990	1173	1304	1335	
125	658	932	1114	1245	1295	478
120	559	864	1030	1205	1235	
115	456	784	965	1077	1023	433
110	347	683	806	792	667	
105	234	557	474	394	325	234
100	130	444	188	229	151	
95	44	103	52	65	51	48
90	2	5	0	0	0	

BOTH SIDES

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-150	954	21.21	25.46
180-140	1567	34.83	41.82
180-120	2839	63.09	75.74
180-90	3748	83.30	100.00
140-90	2180	48.47	58.18
120-90	909	20.21	24.26
0-90	0	.00	.00
0-180	3748	83.30	100.00

\*\* EFFICIENCY: 83.3% \*\*

PAINT REFLECTANCE: .83

CERTIFIED BY:

*James E. Walbr III*

DATE:

AUG 9, 2001

PREPARED FOR:

PRUDENTIAL LIGHTING CORP.  
LOS ANGELES, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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BEAM SIDE  
CANDLEPOWER DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
180.0	1198	1198	1198	1198	1198	1198	
177.5	1213	1216	1209	1192	1195	1205	
175.0	1208	1220	1220	1208	1211	1214	59
172.5	1202	1221	1225	1220	1228	1220	
170.0	1194	1221	1232	1235	1246	1227	
167.5	1184	1220	1241	1242	1265	1232	
165.0	1170	1214	1248	1269	1286	1240	176
162.5	1155	1206	1256	1286	1309	1245	
160.0	1137	1199	1260	1302	1331	1249	
157.5	1117	1190	1267	1321	1347	1252	
155.0	1094	1179	1269	1334	1365	1253	289
152.5	1069	1167	1274	1346	1380	1253	
150.0	1041	1153	1274	1356	1390	1250	
147.5	1012	1137	1271	1362	1400	1244	
145.0	982	1130	1266	1366	1403	1238	387
142.5	948	1102	1259	1368	1401	1226	
140.0	912	1082	1249	1362	1396	1212	
137.5	875	1062	1236	1354	1388	1196	
135.0	834	1040	1220	1341	1376	1177	454
132.5	794	1017	1198	1326	1359	1154	
130.0	749	990	1173	1304	1335	1127	
127.5	705	963	1147	1277	1306	1098	
125.0	658	932	1114	1245	1295	1067	478
122.5	609	917	1074	1232	1277	1041	
120.0	559	864	1030	1205	1235	999	
117.5	508	824	994	1167	1141	952	
115.0	456	784	965	1077	1023	891	433
112.5	403	735	915	953	871	810	
110.0	347	683	806	792	667	697	
107.5	292	621	660	589	458	561	
105.0	234	557	474	394	325	426	234
102.5	182	498	296	277	227	319	
100.0	130	444	188	229	151	250	
97.5	83	231	104	116	95	135	
95.0	44	103	52	65	51	67	48
92.5	13	39	15	29	16	25	
90.0	2	5	0	0	0	2	



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OPPOSITE SIDE TO BEAM  
CANDLEPOWER DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
180.0	1198	1198	1198	1198	1198	1198	
177.5	1213	1206	1192	1168	1168	1189	
175.0	1208	1198	1180	1154	1152	1178	57
172.5	1202	1187	1167	1135	1137	1165	
170.0	1194	1167	1151	1101	1114	1143	
167.5	1184	1160	1131	1087	1085	1128	
165.0	1170	1141	1109	1052	1051	1103	155
162.5	1155	1121	1082	1016	1009	1075	
160.0	1137	1097	1047	973	967	1042	
157.5	1117	1072	1010	925	912	1005	
155.0	1094	1042	972	858	838	960	219
152.5	1069	1012	926	783	755	908	
150.0	1041	973	879	703	672	853	
147.5	1012	916	819	576	586	777	
145.0	982	897	746	540	503	731	226
142.5	948	850	668	457	423	665	
140.0	912	804	593	383	348	602	
137.5	875	753	516	312	305	543	
135.0	834	701	443	286	280	497	192
132.5	794	640	373	267	265	452	
130.0	749	574	305	249	249	407	
127.5	705	506	265	232	234	368	
125.0	658	406	241	212	220	325	149
122.5	609	375	222	206	206	302	
120.0	559	306	204	191	193	269	
117.5	508	243	187	179	182	238	
115.0	456	189	172	167	169	210	106
112.5	403	159	156	154	159	187	
110.0	347	136	144	142	147	167	
107.5	292	118	133	129	134	148	
105.0	234	100	119	116	123	128	67
102.5	182	79	106	93	109	106	
100.0	130	73	93	84	90	90	
97.5	83	60	75	54	61	65	
95.0	44	43	47	24	30	38	22
92.5	13	15	17	3	5	11	
90.0	2	0	2	0	0	1	



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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	.79	.79	.79	.79	.68	.68	.68	.68	.46	.46	.46	.27	.27	.27	.08	.08	.08	.00			
1	.72	.69	.66	.63	.62	.59	.56	.54	.40	.39	.38	.23	.22	.22	.07	.07	.07	.00			
2	.65	.60	.55	.51	.56	.51	.47	.44	.35	.33	.31	.20	.19	.18	.06	.06	.06	.00			
3	.60	.53	.47	.43	.51	.45	.41	.37	.31	.28	.26	.18	.17	.15	.06	.05	.05	.00			
4	.54	.46	.40	.36	.46	.40	.35	.31	.27	.24	.22	.16	.14	.13	.05	.05	.04	.00			
5	.50	.40	.35	.30	.42	.35	.30	.26	.24	.21	.19	.14	.12	.11	.04	.04	.04	.00			
6	.46	.36	.30	.26	.39	.31	.26	.23	.22	.18	.16	.13	.11	.09	.04	.03	.03	.00			
7	.42	.33	.26	.22	.36	.28	.23	.19	.19	.16	.14	.11	.09	.08	.04	.03	.03	.00			
8	.39	.29	.23	.19	.33	.25	.20	.17	.17	.14	.12	.10	.08	.07	.03	.03	.02	.00			
9	.36	.26	.21	.17	.30	.23	.18	.15	.16	.13	.10	.09	.07	.06	.03	.02	.02	.00			
10	.33	.24	.18	.15	.28	.21	.16	.13	.14	.11	.09	.08	.07	.05	.03	.02	.02	.00			

LUMINAIRE INPUT WATTS = 59.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.

BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.