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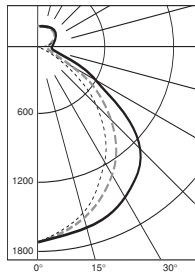
### S4: 2 T8 - REFLECTOR CLOSED



EFFICIENCY = 81.0%

15% Uplight  
85% Downlight

(ITL Report 45130)



CANDELA DISTRIBUTION		FLUX		
0.0	22.5	45	67.5	90.0
0	1738	1738	1738	1738
5	1717	1728	1724	1722
15	1555	1581	1603	1649
25	1314	1354	1414	1535
35	1040	1093	1192	1370
45	742	810	926	1142
55	428	501	626	789
65	254	278	330	418
75	130	146	170	222
85	34	51	93	136
90	2	19	69	109
95	3	19	66	100
105	20	37	70	96
115	53	76	97	111
125	93	109	125	138
135	128	137	149	160
145	155	160	165	172
155	175	177	177	180
165	185	186	185	184
175	187	187	186	185
180	186	186	186	186

**il boulder**  
LEGEND:  
0-deg. ---  
45-deg. - - -  
90-deg. = = =

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	1281	22.1	27.3
0-40	2049	35.3	43.6
0-60	3365	58.0	71.6
0-90	3994	68.9	85.0
90-120	225	3.9	4.8
90-130	334	5.8	7.1
90-150	551	9.5	11.7
90-180	703	12.1	15.0
0-180	4698	81.0	100.0

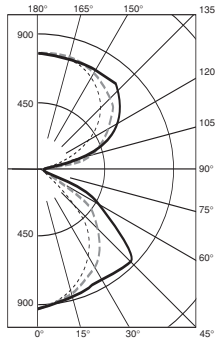
### S4: 2 T8 - REFLECTOR OPEN



EFFICIENCY = 93.9%

57% Uplight  
43% Downlight

(ITL Report 45153)



CANDELA DISTRIBUTION		FLUX		
0.0	22.5	45	67.5	90.0
0	920	920	920	920
5	909	915	912	911
15	822	836	846	866
25	694	716	746	817
35	548	574	647	783
45	391	430	539	737
55	241	279	400	536
65	148	163	225	326
75	77	88	108	149
85	20	40	69	98
90	2	40	66	90
95	32	98	89	109
105	175	281	356	306
115	334	424	528	577
125	477	530	634	691
135	586	624	691	762
145	674	695	730	762
155	739	748	761	773
165	775	777	778	779
175	787	785	782	779
180	782	782	782	782

**il boulder**  
LEGEND:  
0-deg. ---  
45-deg. - - -  
90-deg. = = =

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	678	11.7	12.5
0-40	1103	19.0	20.2
0-60	1913	33.0	35.1
0-90	2349	40.5	43.1
90-120	917	15.8	16.8
90-130	1464	25.2	26.9
90-150	2453	42.3	45.0
90-180	3099	53.4	56.9
0-180	5448	93.9	100.0

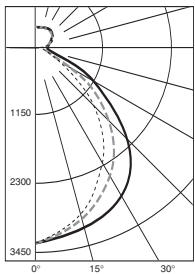
### S4: 4 T8 - REFLECTOR CLOSED



EFFICIENCY = 76.3%

15% Uplight  
85% Downlight

(ITL Report 45131)



CANDELA DISTRIBUTION		FLUX		
0.0	22.5	45	67.5	90.0
0	3338	3338	3338	3338
5	3301	3313	3307	3305
15	2984	3027	3092	3196
25	2503	2594	2748	2965
35	1971	2096	2285	2584
45	1387	1537	1724	2022
55	795	936	1105	1394
65	471	507	577	741
75	241	267	303	369
85	61	92	148	208
90	3	30	102	161
95	5	32	101	150
105	42	68	132	171
115	107	140	195	232
125	197	216	254	293
135	282	289	306	334
145	349	350	355	366
155	403	403	400	398
165	436	435	430	428
175	449	449	446	443
180	449	449	449	449

**il boulder**  
LEGEND:  
0-deg. ---  
45-deg. - - -  
90-deg. = = =

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	2467	21.3	27.9
0-40	3924	33.8	44.3
0-60	6304	54.3	71.2
0-90	7403	63.8	83.7
90-120	407	3.5	4.6
90-130	633	5.5	7.2
90-150	1095	9.4	12.4
90-180	1445	12.5	16.3
0-180	8848	76.3	100.0

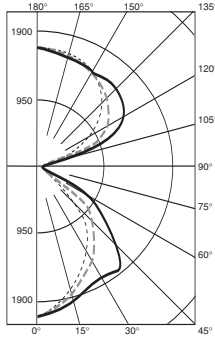
### S4: 4 T8 - REFLECTOR OPEN



EFFICIENCY = 93.0%

55% Uplight  
45% Downlight

(ITL Report 45154)



CANDELA DISTRIBUTION		FLUX		
0.0	22.5	45	67.5	90.0
0	2034	2034	2034	2034
5	2012	2020	2014	2011
15	1816	1842	1873	1934
25	1521	1574	1648	1779
35	1199	1266	1378	1653
45	841	919	1130	1409
55	501	579	771	1045
65	306	331	413	565
75	155	178	204	292
85	40	73	104	153
90	4	55	89	129
95	56	161	120	151
105	343	533	623	592
115	665	778	1010	1096
125	962	1010	1193	1345
135	1209	1224	1303	1428
145	1410	1408	1428	1468
155	1566	1555	1540	1542
165	1660	1647	1627	1618
175	1697	1691	1679	1670
180	1688	1688	1688	1688

**il boulder**  
LEGEND:  
0-deg. ---  
45-deg. - - -  
90-deg. = = =

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	1493	12.9	13.8
0-40	2401	20.7	22.3
0-60	4015	34.6	37.2
0-90	4817	41.5	44.6
90-120	1659	14.3	15.4
90-130	2710	23.4	25.1
90-150	4636	40.0	43.0
90-180	5973	51.5	55.4
0-180	10789	93.0	100.0