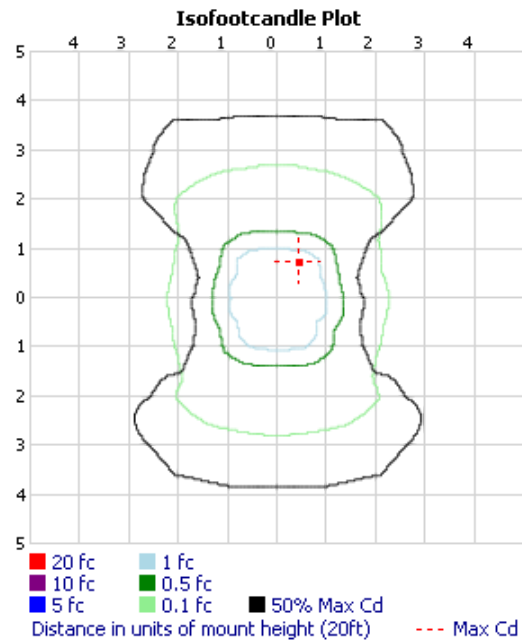
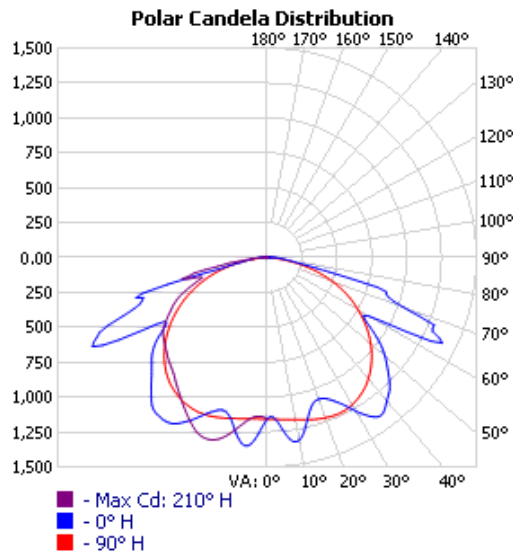


**OUTDOOR PHOTOMETRIC REPORT**

CATALOG: VT-4540 277V (PARKING GARAGE)

**MANUFACTURER:** ADVANTAGE LIGHTING SOLUTIONS  
**TEST LAB:** DONGGUAN NEW TESTING CENTRE CO., LTD  
**TEST DATE:** 27 NOVEMBER 2019  
**CATALOG:** VT-4540 277V (PARKING GARAGE)  
**DESCRIPTION:** LED  
**LAMP:** 120-277VAC,50/60HZ  
**LAMP OUTPUT:** 1 LAMP, RATED LUMENS/LAMP: 5469.5  
**INPUT WATTAGE:** 44.3862  
**LUMINOUS OPENING:** RECTANGLE (L: 22.83", W: 5.51")  
**MAX CD:** 1,498.2 AT HORIZONTAL: 210°, VERTICAL: 41°  
**CUTOFF CLASS:** CUTOFF  
**ROADWAY CLASS:** VERY SHORT, TYPE IV  
**EFFICIENCY:** 100%



VISUAL PHOTOMETRIC TOOL 1.2.46 COPYRIGHT 2020, ACUITY BRANDS LIGHTING.

THIS PHOTOMETRIC REPORT HAS BEEN GENERATED USING METHODS RECOMMENDED BY THE IESNA. CALCULATIONS ARE BASED ON PHOTOMETRIC DATA PROVIDED BY THE MANUFACTURER, AND THE ACCURACY OF THIS PHOTOMETRIC REPORT IS DEPENDENT ON THE ACCURACY OF THE DATA PROVIDED. END-USER ENVIRONMENT AND APPLICATION (INCLUDING, BUT NOT LIMITED TO, VOLTAGE VARIATION AND DIRT ACCUMULATION) CAN CAUSE ACTUAL PHOTOMETRIC PERFORMANCE TO DIFFER FROM THE PERFORMANCE CALCULATED USING THE DATA PROVIDED BY THE MANUFACTURER. THIS REPORT IS PROVIDED WITHOUT WARRANTY AS TO ACCURACY, COMPLETENESS, RELIABILITY OR OTHERWISE. IN NO EVENT WILL ACUITY BRANDS LIGHTING BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF THIS REPORT.



VISUAL PHOTOMETRIC TOOL

**OUTDOOR PHOTOMETRIC REPORT**  
 CATALOG: VT-4540 277V (PARKING GARAGE)

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,044.2	19.1%	19.1%
0-40	1,851.5	33.9%	33.9%
0-60	3,715.9	67.9%	67.9%
60-90	1,715.6	31.4%	31.4%
70-100	801.3	14.6%	14.6%
90-120	33.0	0.6%	0.6%
0-90	5,431.5	99.3%	99.3%
90-180	38.1	0.7%	0.7%
0-180	5,469.6	100%	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	119.6	2.2%	90-100	23.5	0.4%
10-20	353.4	6.5%	100-110	5.3	0.1%
20-30	571.3	10.4%	110-120	4.2	0.1%
30-40	807.3	14.8%	120-130	2.6	0%
40-50	945.9	17.3%	130-140	1.1	0%
50-60	918.5	16.8%	140-150	0.6	0%
60-70	937.8	17.1%	150-160	0.4	0%
70-80	636.6	11.6%	160-170	0.3	0%
80-90	141.2	2.6%	170-180	0.1	0%

**ROADWAY SUMMARY**

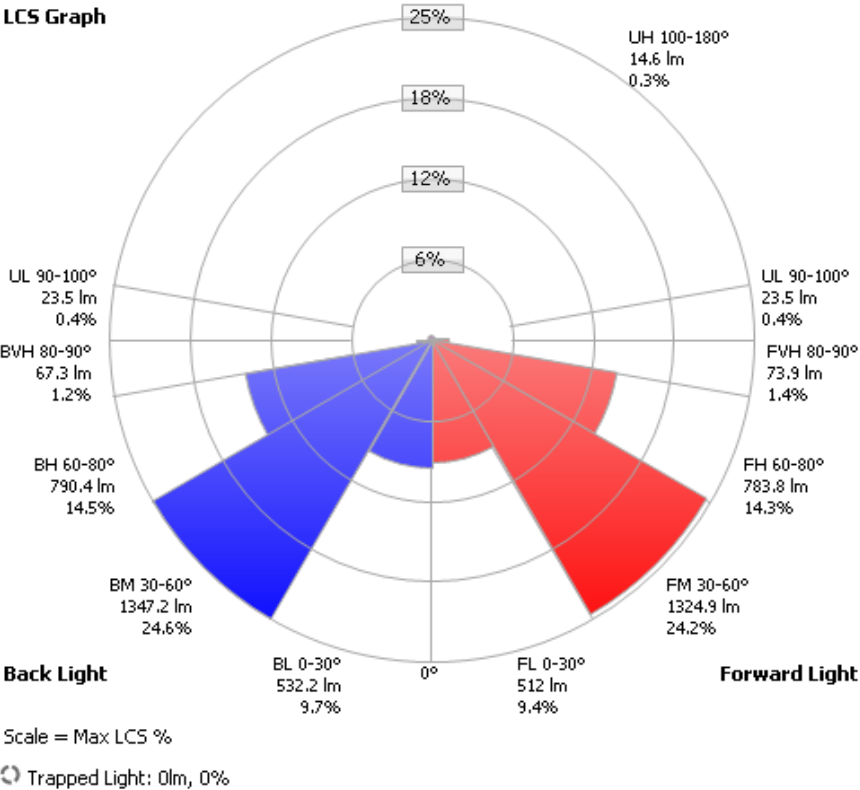
CUTOFF CLASSIFICATION:	CUTOFF	
DISTRIBUTION:	TYPE IV, VERY SHORT	
MAX CD, 90 DEG VERT:	69.9	
MAX CD, 80 TO <90 DEG:	429.7	
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	2,694.6	49.3%
DOWNWARD HOUSE SIDE:	2,737.1	50%
DOWNWARD TOTAL:	5,431.7	99.3%
UPWARD STREET SIDE:	19.7	0.4%
UPWARD HOUSE SIDE:	18.4	0.3%
UPWARD TOTAL:	38.1	0.7%
TOTAL LUMENS:	5,469.8	100%

**LCS TABLE**

BUG RATING	B2 - U2 - G2	
<b>FORWARD LIGHT</b>	LUMENS	LUMENS %
LOW(0-30):	512.0	9.4%
MEDIUM(30-60):	1,324.9	24.2%
HIGH(60-80):	783.8	14.3%
VERY HIGH(80-90):	73.9	1.4%
<b>BACK LIGHT</b>		
LOW(0-30):	532.2	9.7%
MEDIUM(30-60):	1,347.2	24.6%
HIGH(60-80):	790.4	14.5%
VERY HIGH(80-90):	67.3	1.2%
<b>UPLIGHT</b>		
LOW(90-100):	23.5	0.4%
HIGH(100-180):	14.6	0.3%
<b>TRAPPED LIGHT:</b>	0.000	0%



OUTDOOR PHOTOMETRIC REPORT  
CATALOG: VT-4540 277V (PARKING GARAGE)



**OUTDOOR PHOTOMETRIC REPORT**  
CATALOG: VT-4540 277V (PARKING GARAGE)

**CANDELA TABLE - TYPE C**

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345
0	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156
5	1232	1218	1207	1174	1155	1144	1164	1210	1258	1299	1324	1336	1340	1335	1321	1293	1247	1199	1159	1138	1148	1167	1202	1210
10	1328	1332	1339	1313	1249	1168	1180	1284	1359	1353	1320	1280	1280	1288	1331	1364	1352	1264	1170	1159	1240	1306	1334	1320
15	1157	1179	1242	1338	1355	1222	1201	1359	1371	1253	1177	1143	1143	1147	1189	1276	1386	1339	1189	1217	1345	1324	1236	1170
20	1080	1079	1107	1220	1384	1288	1221	1410	1304	1162	1149	1168	1177	1166	1148	1178	1340	1405	1206	1292	1365	1208	1106	1080
25	1133	1115	1092	1121	1324	1346	1229	1423	1229	1164	1226	1270	1282	1266	1217	1162	1264	1441	1210	1355	1299	1119	1096	1110
30	1269	1235	1168	1093	1225	1371	1217	1391	1167	1230	1344	1371	1371	1371	1331	1211	1191	1432	1195	1379	1210	1106	1170	1230
35	1390	1391	1311	1127	1122	1354	1183	1321	1135	1323	1442	1395	1372	1404	1438	1292	1137	1379	1163	1354	1126	1148	1309	1370
40	1335	1396	1462	1188	1033	1290	1129	1219	1115	1407	1481	1340	1294	1359	1495	1365	1094	1289	1112	1282	1056	1222	1441	1370
45	1238	1315	1463	1270	971	1197	1057	1092	1089	1452	1399	1216	1171	1234	1440	1416	1058	1167	1042	1183	1009	1310	1425	1290
50	1103	1180	1385	1269	910	1068	969	949	1042	1395	1281	1120	1077	1138	1314	1398	999	1023	955	1052	960	1299	1348	1160
55	930	1032	1243	1233	861	915	868	810	978	1269	1185	983	920	1023	1210	1275	927	871	853	901	910	1255	1206	1020
60	833	864	1077	1094	785	751	755	682	882	1132	1044	1025	1060	987	1080	1137	849	721	741	748	815	1112	1044	860
65	1361	1411	1206	925	686	596	634	558	727	968	1442	1362	1346	1361	1364	960	712	581	619	603	716	939	1176	1390
70	1035	1093	1280	1100	539	458	499	439	579	1216	1124	963	972	969	1218	1196	563	454	489	480	568	1099	1239	1100
75	818	849	801	800	560	318	350	308	684	737	888	757	741	819	849	763	586	322	351	340	586	860	797	840
80	229	275	306	375	317	196	198	225	349	292	245	204	195	214	282	372	363	206	209	224	359	430	318	280
85	117	127	136	120	99	88	71	87	94	110	126	114	108	120	134	120	113	98	85	114	118	139	144	120
90	64	67	64	51	33	18	11	17	34	47	61	60	59	62	64	52	39	23	14	27	42	58	70	60
95	31	30	25	16	10	7	6	7	11	15	25	26	28	27	26	16	12	9	8	10	12	21	28	30
100	17	17	15	11	0	1	0	1	1	11	15	16	17	16	15	8	1	1	0	1	0	13	16	10
105	15	10	5	1	5	2	3	3	5	2	1	10	7	10	1	2	5	3	4	3	6	1	2	10
110	0	0	2	6	4	2	2	2	4	6	5	1	1	1	7	6	4	3	3	2	5	6	1	
115	8	8	7	5	3	1	2	2	2	5	6	7	8	7	6	5	3	2	2	2	3	6	7	
120	7	6	6	4	2	1	2	1	2	3	5	6	6	6	5	3	2	2	2	2	4	6		
125	6	5	4	3	1	1	2	1	1	2	3	4	5	4	3	2	2	2	2	1	2	3	4	
130	4	4	3	2	1	1	1	1	1	1	2	3	3	3	2	1	1	2	2	1	1	2	3	
135	3	3	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	
140	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
145	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
150	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
155	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
165	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
170	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
175	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
180	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	