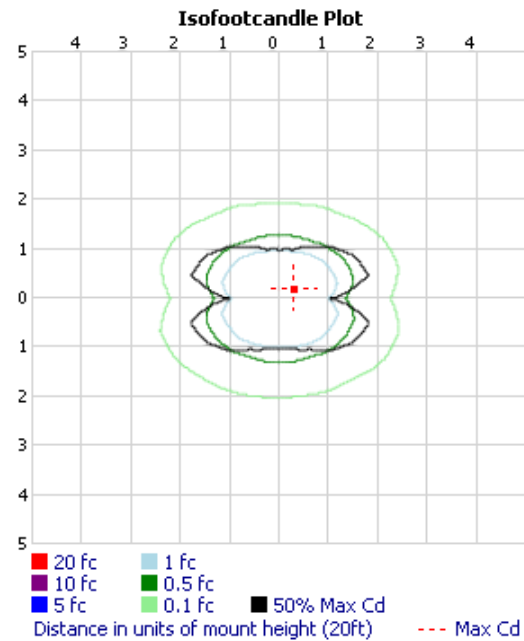
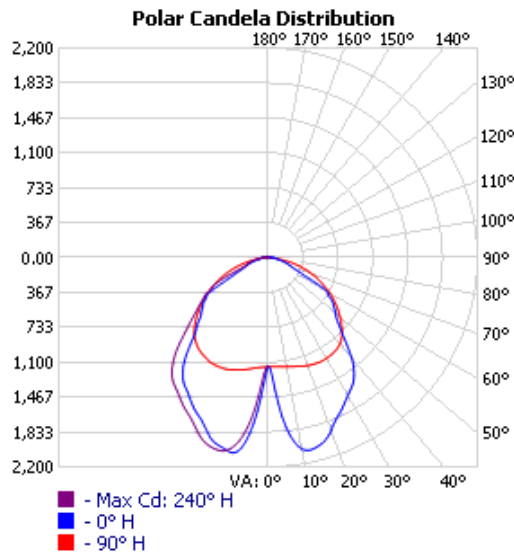


**OUTDOOR PHOTOMETRIC REPORT**

CATALOG: VT-4540 277V (LOW BAY)

**MANUFACTURER:** ADVANTAGE LIGHTING SOLUTIONS  
**TEST LAB:** DONGGUAN NEW TESTING CENTRE CO., LTD  
**TEST DATE:** 27 NOVEMBER 2019  
**CATALOG:** VT-4540 277V (LOW BAY)  
**DESCRIPTION:** LED  
**LAMP:** 120-277VAC,50/60HZ  
**LAMP OUTPUT:** 1 LAMP, RATED LUMENS/LAMP: 5744.4  
**INPUT WATTAGE:** 44.3725  
**LUMINOUS OPENING:** RECTANGLE (L: 22.83", W: 5.51")  
**MAX CD:** 2,161.8 AT HORIZONTAL: 240°, VERTICAL: 21°  
**CUTOFF CLASS:** CUTOFF  
**ROADWAY CLASS:** TYPE VS  
**EFFICIENCY:** 100%



VISUAL PHOTOMETRIC TOOL 1.2.46 COPYRIGHT 2020, ACUITY BRANDS LIGHTING.

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VISUAL PHOTOMETRIC TOOL

**OUTDOOR PHOTOMETRIC REPORT**  
 CATALOG: VT-4540 277V (LOW BAY)
**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,568.1	27.3%	27.3%
0-40	2,652.7	46.2%	46.2%
0-60	4,690.4	81.7%	81.6%
60-90	1,022.1	17.8%	17.8%
70-100	414.6	7.2%	7.2%
90-120	27.6	0.5%	0.5%
0-90	5,712.4	99.4%	99.4%
90-180	32.4	0.6%	0.6%
0-180	5,744.8	100%	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	151.9	2.6%	90-100	21.8	0.4%
10-20	542.8	9.4%	100-110	3.3	0.1%
20-30	873.4	15.2%	110-120	2.6	0%
30-40	1,084.6	18.9%	120-130	1.8	0%
40-50	1,094.4	19.1%	130-140	1.1	0%
50-60	943.3	16.4%	140-150	0.8	0%
60-70	629.2	11.0%	150-160	0.6	0%
70-80	295.0	5.1%	160-170	0.4	0%
80-90	97.8	1.7%	170-180	0.1	0%

**ROADWAY SUMMARY**

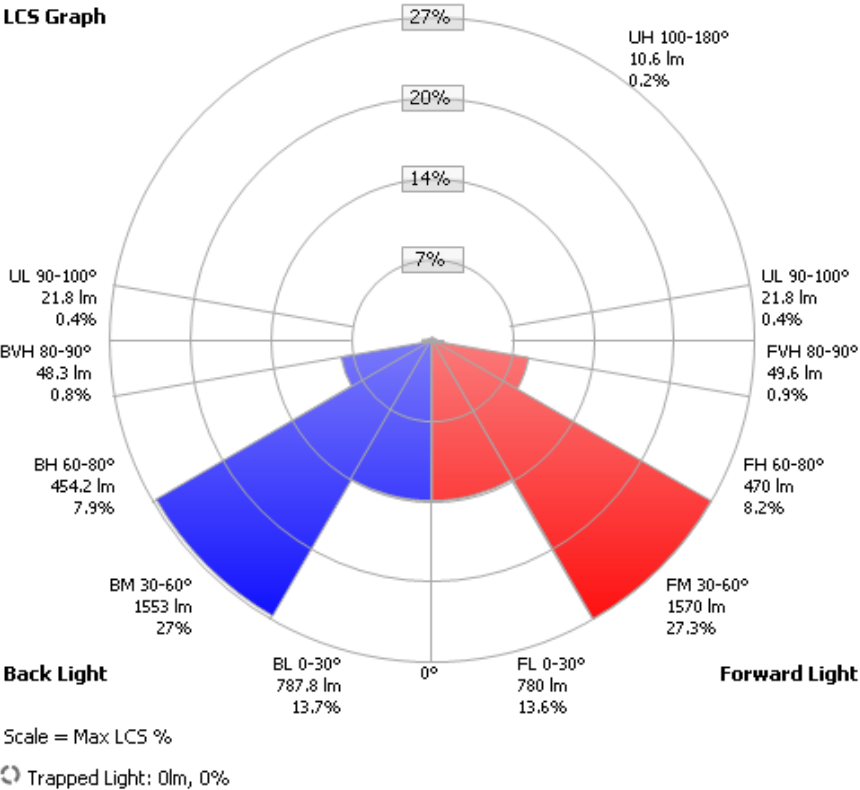
CUTOFF CLASSIFICATION:	CUTOFF
DISTRIBUTION:	TYPE VS
MAX CD, 90 DEG VERT:	68.7
MAX CD, 80 TO <90 DEG:	272.6
	LUMENS % LAMP
DOWNWARD STREET SIDE:	2,869.6 50%
DOWNWARD HOUSE SIDE:	2,843.2 49.5%
DOWNWARD TOTAL:	5,712.8 99.5%
UPWARD STREET SIDE:	16.3 0.3%
UPWARD HOUSE SIDE:	16.1 0.3%
UPWARD TOTAL:	32.4 0.6%
TOTAL LUMENS:	5,745.2 100%

**LCS TABLE**

BUG RATING	B2 - U2 - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	780.0	13.6%
MEDIUM(30-60):	1,570.0	27.3%
HIGH(60-80):	470.0	8.2%
VERY HIGH(80-90):	49.6	0.9%
BACK LIGHT		
LOW(0-30):	787.8	13.7%
MEDIUM(30-60):	1,553.0	27%
HIGH(60-80):	454.2	7.9%
VERY HIGH(80-90):	48.3	0.8%
UPLIGHT		
LOW(90-100):	21.8	0.4%
HIGH(100-180):	10.6	0.2%
TRAPPED LIGHT:	0.000	0%



OUTDOOR PHOTOMETRIC REPORT  
CATALOG: VT-4540 277V (LOW BAY)



OUTDOOR PHOTOMETRIC REPORT  
CATALOG: VT-4540 277V (LOW BAY)

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	34
0	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	114
5	1677	1650	1600	1473	1328	1185	1149	1261	1429	1582	1679	1738	1747	1728	1660	1554	1391	1236	1159	1187	1322	1467	1591	164
10	2041	2027	1998	1900	1702	1342	1161	1487	1824	2007	2072	2082	2082	2078	2061	1975	1767	1432	1189	1377	1719	1905	1999	203
15	2048	2057	2091	2086	1978	1574	1182	1736	2087	2124	2074	2040	2038	2043	2081	2127	2051	1661	1222	1635	2001	2099	2088	205
20	1933	1959	2021	2090	2115	1794	1208	1953	2160	2070	2000	1924	1916	1942	2027	2082	2159	1873	1249	1865	2139	2100	2031	196
25	1791	1826	1890	2015	2119	1957	1221	2093	2095	1985	1873	1798	1791	1804	1888	2013	2122	2026	1257	2003	2136	2020	1890	182
30	1672	1714	1788	1910	2047	2039	1222	2124	2011	1872	1787	1686	1670	1698	1795	1892	2042	2104	1251	2064	2050	1909	1789	171
35	1568	1616	1687	1820	1927	2033	1210	2032	1895	1783	1680	1582	1561	1591	1685	1801	1929	2052	1222	2031	1929	1813	1685	161
40	1359	1438	1585	1702	1792	1928	1176	1871	1771	1672	1567	1387	1344	1404	1575	1675	1781	1906	1177	1913	1784	1690	1576	143
45	1085	1149	1377	1588	1648	1787	1100	1715	1630	1546	1326	1099	1073	1112	1364	1555	1639	1729	1100	1756	1633	1574	1353	114
50	925	948	1085	1402	1482	1587	991	1539	1471	1337	1069	929	921	936	1095	1362	1472	1556	987	1560	1462	1380	1081	94
55	836	834	883	1149	1306	1383	874	1326	1287	1078	883	835	836	831	889	1119	1302	1361	860	1364	1295	1111	891	83
60	718	725	734	885	1088	1169	748	1141	1061	823	730	713	671	726	742	866	1083	1148	727	1166	1089	856	746	71
65	370	388	497	635	864	933	612	912	836	622	418	348	339	368	461	639	864	932	591	941	852	659	529	40
70	244	258	256	335	649	697	477	665	617	285	254	253	237	254	259	319	645	705	455	710	631	394	263	26
75	180	188	205	188	361	446	336	432	291	186	207	184	175	187	211	195	381	463	313	464	376	199	211	19
80	107	118	144	123	167	255	191	243	147	120	139	108	101	112	145	127	184	273	182	272	169	133	150	11
85	78	85	93	75	78	92	61	91	70	70	94	86	81	86	93	75	87	104	70	111	88	83	99	8
90	58	63	64	39	24	18	8	15	26	46	69	61	57	63	69	45	29	21	10	28	33	44	67	6
95	28	30	33	17	7	4	5	5	7	15	29	26	26	27	33	18	8	7	6	7	9	23	37	3
100	11	11	10	7	0	1	1	1	1	7	10	10	10	10	10	7	1	1	1	1	0	8	10	1
105	10	9	0	1	3	1	2	2	3	1	0	1	7	1	0	1	4	3	3	2	3	0	0	1
110	0	0	0	3	2	1	2	2	2	3	2	0	0	0	3	4	3	2	2	2	3	4	0	
115	5	5	4	3	2	1	2	1	2	3	4	4	5	4	4	3	2	2	2	1	2	3	4	
120	4	4	3	2	1	1	1	1	1	2	3	3	4	3	3	2	1	2	2	1	1	2	3	
125	4	3	3	2	1	1	1	1	1	1	2	3	3	3	2	2	1	2	2	1	1	2	3	
130	3	3	2	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	1	1	1	2	
135	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	
140	2	1	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	2	1	1	1	1	1	1	1	1	1	1	1	
150	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
155	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
160	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
165	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
170	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
175	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
180	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	