



Advantage Lighting Solutions

IES ROAD REPORT
PHOTOMETRIC FILENAME : CV-Y1-40-A.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]2020/3/6 10:14:14
[TESTLAB]
[ISSUE DATE]
[MANUFAC] PURELIGHT ARCHITECTURAL
[LUMCAT] CV-Y1-40
[LUMINAIRE] CONVERGENCE SERIES
[LAMPCAT]
[LAMP]SAMSUNG 2835
[LUMINAIRE]1

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	4406.5 (1 lamp)
Total Lamp Lumens	4406.5
Luminaire Lumens	4252
Downward Total Efficiency	97 %
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	40.8
Ballast Factor	1.00
Maximum Candela	1468.098
Maximum Candela Angle	360H 1V
Maximum Candela (<90 Degrees Vertical)	1468.098
Maximum Candela Angle (<90 Degrees Vertical)	360H 1V
Maximum Candela At 90 Degrees Vertical	7.44 (0.2% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	225.358 (5.1% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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CANDELA TABULATION

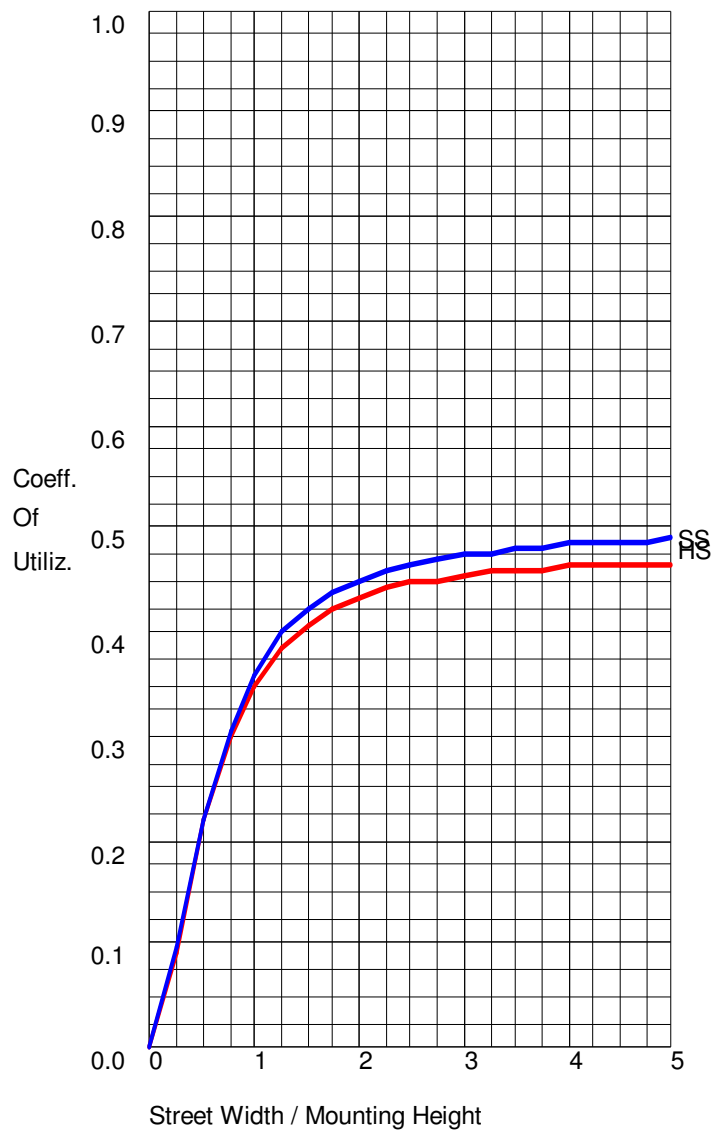
Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	1465.353	1465.353	1465.353	1465.353	1465.353	1465.353	1465.353	1465.353	1465.353
1	1466.725	1466.573	1463.984	1466.115	1462.458	1465.505	1467.945	1466.725	1468.098
2	1466.725	1466.268	1465.353	1466.878	1464.289	1465.505	1466.420	1465.353	1467.793
3	1466.115	1466.878	1466.420	1467.335	1465.505	1464.746	1465.810	1463.831	1467.183
4	1464.895	1466.268	1466.878	1467.030	1466.268	1463.984	1464.895	1461.238	1466.115
5	1463.831	1465.810	1466.725	1466.420	1466.268	1462.001	1463.831	1457.887	1464.895
6	1462.611	1461.391	1467.793	1464.895	1465.810	1459.717	1461.391	1454.230	1463.831
7	1460.022	1456.823	1467.335	1463.221	1464.594	1456.670	1459.107	1449.963	1461.086
8	1456.670	1452.098	1466.725	1460.479	1463.221	1453.013	1455.450	1445.090	1458.039
9	1453.467	1446.916	1462.764	1457.277	1460.784	1448.747	1451.336	1439.908	1454.840
10	1448.594	1442.039	1458.649	1454.230	1457.734	1444.175	1446.916	1433.814	1449.810
11	1442.039	1436.404	1454.077	1450.421	1454.230	1438.993	1441.887	1427.107	1443.412
12	1435.488	1429.853	1448.899	1445.547	1450.268	1433.052	1436.556	1420.251	1437.166
13	1428.633	1423.298	1444.022	1439.298	1445.547	1427.260	1430.463	1412.633	1429.700
14	1421.472	1416.442	1438.840	1433.052	1440.670	1420.556	1423.603	1404.862	1422.692
15	1414.158	1408.518	1433.052	1426.653	1434.726	1413.853	1416.900	1396.481	1415.222
16	1405.014	1401.968	1426.501	1419.489	1428.633	1405.624	1409.129	1387.646	1406.387
17	1396.481	1391.760	1419.489	1412.175	1422.234	1396.938	1401.510	1378.197	1398.006
18	1387.493	1382.311	1412.023	1404.099	1414.921	1387.951	1392.671	1368.142	1388.862
19	1378.044	1372.561	1404.252	1395.569	1406.997	1378.349	1383.836	1357.324	1379.569
20	1368.599	1362.350	1395.569	1386.730	1399.073	1368.599	1374.387	1346.506	1369.968
21	1357.930	1351.532	1386.425	1376.977	1390.082	1358.086	1363.875	1334.926	1359.455
22	1347.265	1340.104	1377.282	1366.769	1380.938	1347.570	1353.210	1323.345	1348.943
23	1335.532	1328.676	1366.769	1356.104	1371.493	1335.990	1342.087	1310.697	1337.057
24	1323.952	1315.879	1356.409	1344.828	1360.676	1323.952	1330.659	1297.897	1325.477
25	1311.460	1303.536	1345.591	1332.790	1349.858	1311.002	1318.621	1284.490	1312.676
26	1298.964	1289.668	1333.401	1320.295	1338.277	1298.964	1305.668	1270.168	1300.642
27	1285.100	1276.109	1320.905	1307.346	1326.240	1285.554	1292.871	1255.842	1286.469
28	1271.079	1261.634	1307.956	1294.698	1313.592	1271.079	1279.155	1241.063	1272.452
29	1257.520	1246.550	1295.308	1280.986	1301.249	1256.452	1265.139	1225.215	1259.194
30	1242.435	1231.313	1281.443	1266.511	1287.842	1241.825	1250.511	1209.978	1243.503
31	1226.436	1215.770	1267.423	1251.880	1273.520	1226.436	1235.427	1193.525	1227.961
32	1210.741	1199.923	1252.491	1236.948	1259.346	1211.046	1220.037	1177.220	1211.809
33	1194.436	1183.161	1237.558	1221.406	1244.567	1194.741	1204.190	1160.610	1195.961
34	1177.830	1166.860	1222.474	1206.169	1229.177	1178.898	1187.885	1144.157	1179.657
35	1161.068	1149.487	1206.017	1189.258	1213.788	1161.983	1171.886	1126.479	1162.898
36	1144.462	1132.424	1190.478	1172.801	1197.792	1145.373	1155.585	1109.263	1145.831
37	1126.784	1114.594	1173.716	1156.343	1181.944	1127.852	1138.212	1090.827	1128.157
38	1109.416	1096.920	1157.106	1138.975	1164.725	1110.785	1120.996	1072.844	1110.937
39	1091.132	1078.941	1139.280	1122.060	1147.813	1093.111	1103.166	1054.713	1092.653
40	1073.302	1060.200	1122.060	1104.081	1130.746	1074.827	1085.492	1036.124	1074.369
41	1054.713	1042.065	1104.386	1086.102	1113.377	1057.153	1067.208	1017.383	1056.086
42	1035.819	1022.260	1086.102	1067.819	1095.852	1038.256	1048.772	997.574	1037.039
43	1016.773	1002.908	1068.124	1048.925	1077.874	1019.057	1031.095	977.917	1018.298
44	997.116	983.252	1049.077	1030.183	1059.437	999.862	1011.438	957.803	998.641
45	977.765	963.443	1030.332	1010.832	1041.459	980.205	992.091	937.845	979.290
46	957.960	942.719	1010.679	990.718	1021.497	960.244	972.434	917.426	959.023
47	937.998	922.456	991.175	971.061	1002.146	940.130	952.320	896.706	939.062
48	917.579	900.820	970.909	949.578	982.794	919.409	932.511	874.762	918.494
49	896.096	879.029	950.337	928.397	962.528	897.617	912.096	852.974	897.922
50	874.762	856.173	929.312	906.304	941.655	876.134	890.609	830.118	875.829
51	852.364	833.775	907.371	885.126	920.473	854.346	868.821	808.482	853.431
52	829.660	810.767	885.579	862.575	898.990	831.643	847.185	785.779	830.881

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CANDELA TABULATION - (Cont.)

53	807.567	787.758	863.639	839.719	877.812	809.394	824.936	762.619	809.093
54	784.559	764.140	840.936	816.711	855.258	786.542	802.080	739.458	785.932
55	761.398	741.284	817.775	794.313	832.707	763.839	779.682	716.450	762.466
56	737.780	717.517	794.313	770.695	809.699	740.831	756.373	692.831	739.000
57	715.077	693.747	771.454	747.839	787.453	718.124	734.123	669.366	715.840
58	691.764	669.823	748.598	724.526	764.293	694.662	710.658	645.446	692.374
59	667.539	645.141	724.068	701.213	741.132	671.043	687.649	621.523	668.756
60	643.158	620.608	700.450	676.679	718.276	647.120	664.492	597.599	644.226
61	619.086	596.379	676.527	652.607	694.662	623.654	640.264	573.375	620.303
62	594.553	572.460	651.692	628.836	670.891	600.189	616.036	550.214	595.773
63	571.087	548.841	627.464	604.608	646.662	575.964	592.722	526.291	571.545
64	547.011	523.549	603.544	580.536	623.048	552.803	569.413	502.215	548.536
65	522.634	499.168	579.468	556.765	599.582	529.185	545.795	478.292	523.698
66	498.253	474.482	554.782	532.384	575.811	504.957	521.566	453.609	499.321
67	474.028	449.037	530.558	507.397	552.346	480.884	497.796	429.381	474.940
68	449.037	424.050	505.567	482.558	527.965	456.351	473.723	404.851	450.410
69	424.813	398.602	480.732	457.114	503.588	430.906	449.343	380.013	425.572
70	399.669	373.004	455.135	431.211	479.054	406.525	424.962	355.483	400.737
71	374.530	348.170	428.923	406.373	453.304	382.301	399.517	331.255	375.441
72	349.996	322.111	403.479	380.165	428.466	356.852	375.136	305.810	350.759
73	325.161	296.209	378.491	354.416	403.784	331.712	351.216	280.514	325.920
74	300.018	269.696	352.433	328.056	378.491	305.963	326.073	255.069	301.238
75	273.811	244.709	325.467	302.611	352.585	280.819	300.628	231.451	274.573
76	248.518	218.807	299.255	275.793	326.988	255.527	274.878	206.311	249.582
77	224.442	194.578	273.201	250.497	301.696	231.298	250.650	183.150	225.053
78	200.214	169.892	247.146	224.595	275.641	206.464	225.968	159.227	200.824
79	175.989	146.278	221.396	199.913	250.497	182.845	202.502	136.982	176.447
80	151.914	123.727	195.646	176.142	225.358	159.685	177.816	115.499	152.219
81	129.363	101.478	171.113	151.914	201.434	137.439	154.655	94.317	129.973
82	108.033	81.520	146.732	129.363	177.358	116.410	132.562	75.423	108.338
83	87.461	62.474	124.334	107.270	153.896	95.537	111.537	57.444	87.918
84	68.720	45.101	102.393	86.393	131.952	76.033	91.118	40.529	69.025
85	50.893	29.712	82.126	67.347	111.232	58.207	72.529	25.292	51.198
86	34.284	16.762	63.080	50.588	90.203	42.207	54.398	12.648	34.589
87	18.741	6.551	44.796	36.873	69.330	29.712	36.873	2.284	19.046
88	3.352	0.000	26.512	25.902	47.995	18.284	19.351	0.000	3.657
89	0.000	0.000	8.076	16.305	26.970	8.686	1.678	0.000	0.000
90	0.000	0.000	0.000	7.440	0.000	0.000	0.000	0.000	0.000

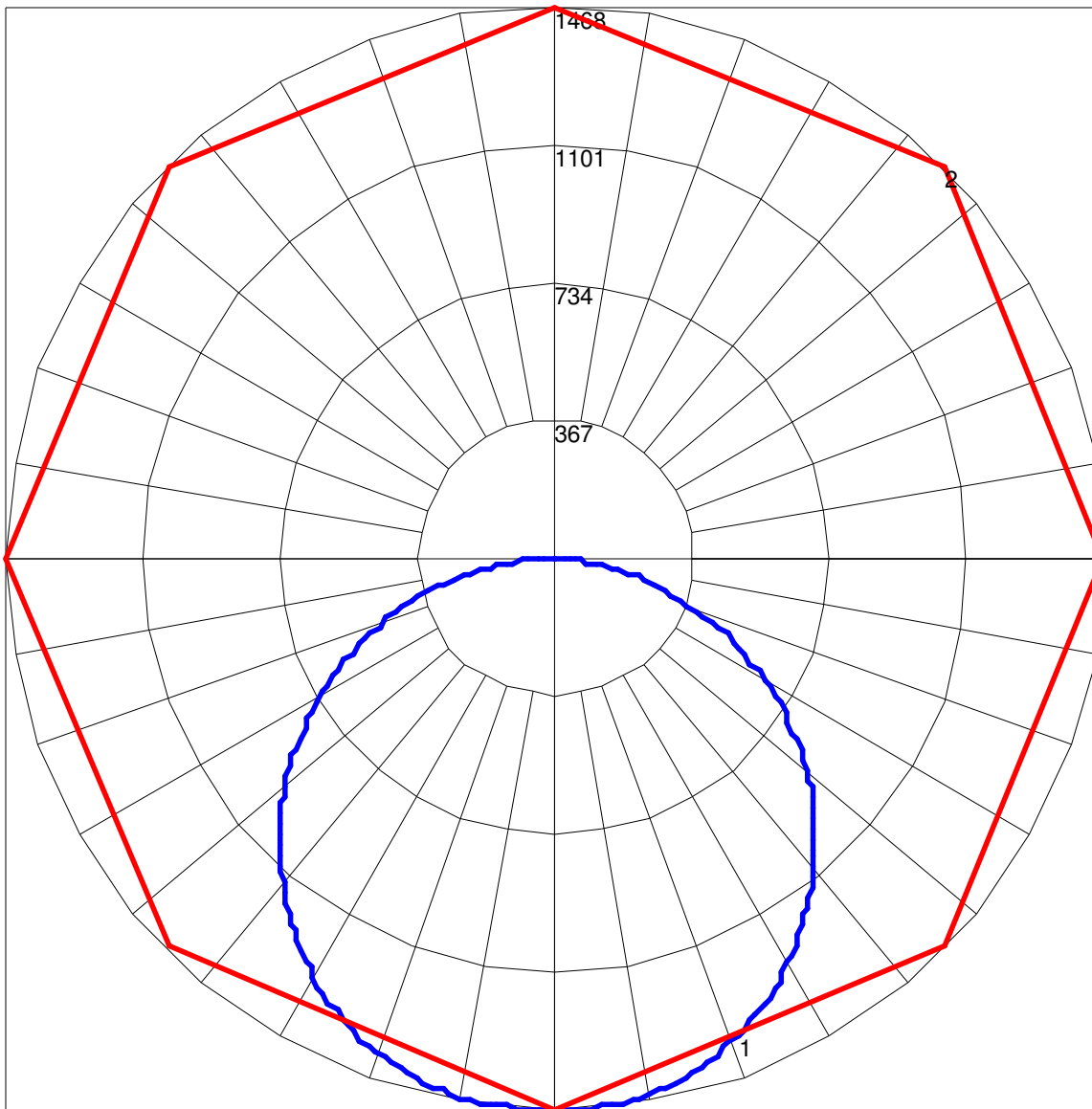
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	2068.6	46.9
Downward House Side	2183.8	49.6
Downward Total	4252.4	96.5
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4252.4	96.5

POLAR GRAPH



Maximum Candela = 1468.098 Located At Horizontal Angle = 360, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

