



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VA2-L330-740-T5-F-S-XXX-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL011774  
[TESTLAB] ATAL-LABS  
[ISSUEDATE] 02/26/2020  
[MANUFAC] WILLIAMS OUTDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] VA2-L330-740-T5-F-S-xxx-DIM-UNV  
[LUMINAIRE] VOLTAIRE ARCHITECTURAL AREA LIGHT WITH TYPE VSM  
[MORE]OPTICS, CLEAR LENS, (2) LED ARRAYS  
[MORE]AND (2) ELECTRONIC DRIVERS IN A BROWN HOUSING.  
[LAMPCAT] 4000K LEDS  
[ \_SEARCH\_SOURCETYPE] LED  
[ \_SEARCH\_APPLICATION] Outdoor, Area, Parking  
[ \_SEARCH\_MOUNTING] Pole

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	32435
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	319
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15506.278
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	15506.278
Maximum Candela Angle (<90 Degrees Vertical)	45H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	599.91 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VA2-L330-740-T5-F-S-XXX-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1618.8	N.A.	5.0
FM - Front-Medium (30-60)	7442.5	N.A.	22.9
FH - Front-High (60-80)	7075.5	N.A.	21.8
FVH - Front-Very High (80-90)	80.6	N.A.	0.2
BL - Back-Low (0-30)	1618.8	N.A.	5.0
BM - Back-Medium (30-60)	7442.5	N.A.	22.9
BH - Back-High (60-80)	7075.5	N.A.	21.8
BVH - Back-Very High (80-90)	80.6	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	32434.8	N.A.	100.0
BUG Rating	B5-U0-G3		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990
2.5	3402.617	3402.617	3404.960	3404.960	3403.789	3402.617	3402.617	3406.132	3407.304	3413.162
5.0	3426.051	3427.223	3429.566	3426.051	3423.707	3424.879	3422.536	3427.223	3429.566	3436.596
7.5	3468.232	3470.575	3470.575	3469.404	3467.060	3468.232	3465.889	3475.262	3477.606	3484.636
10.0	3518.615	3519.787	3519.787	3519.787	3518.615	3522.130	3523.302	3532.676	3535.019	3543.221
12.5	3576.028	3577.200	3576.028	3573.685	3574.857	3579.544	3583.059	3592.432	3597.119	3604.149
15.0	3642.815	3642.815	3635.785	3635.785	3638.129	3640.472	3645.159	3652.189	3656.876	3665.078
17.5	3724.834	3718.976	3708.431	3707.259	3707.259	3707.259	3708.431	3715.461	3720.148	3726.006
20.0	3813.884	3803.338	3788.106	3788.106	3785.763	3783.419	3782.248	3786.934	3786.934	3793.965
22.5	3909.963	3895.903	3884.186	3878.327	3873.640	3872.469	3863.095	3867.782	3865.438	3868.953
25.0	4013.073	4001.356	3990.810	3984.952	3977.922	3970.891	3960.346	3961.518	3956.831	3958.003
27.5	4139.616	4124.384	4113.839	4107.980	4095.092	4091.576	4078.688	4077.516	4068.142	4075.173
30.0	4288.422	4272.018	4262.645	4254.443	4243.897	4236.867	4221.635	4221.635	4209.918	4216.948
32.5	4448.945	4433.713	4424.339	4426.683	4411.451	4418.481	4404.420	4402.077	4386.845	4389.188
35.0	4657.508	4639.932	4625.872	4632.902	4628.215	4632.902	4623.528	4625.872	4609.468	4622.357
37.5	4905.908	4889.504	4878.959	4894.191	4883.646	4905.908	4895.363	4904.736	4890.676	4909.423
40.0	5187.116	5169.540	5158.995	5181.257	5195.318	5222.267	5228.125	5244.529	5235.156	5258.590
42.5	5457.779	5449.577	5448.405	5488.243	5523.394	5574.949	5606.585	5632.362	5633.534	5663.998
45.0	5738.987	5734.300	5749.532	5799.915	5854.985	5947.549	5982.700	6035.427	6051.831	6077.608
47.5	6035.427	6042.457	6067.063	6131.506	6212.353	6318.978	6365.846	6438.492	6461.926	6498.248
50.0	6406.856	6419.744	6446.693	6527.541	6637.681	6781.800	6839.213	6915.373	6927.090	6963.413
52.5	6866.162	6879.051	6913.030	7034.887	7187.208	7380.538	7457.871	7496.537	7505.910	7538.718
55.0	7412.174	7430.921	7495.365	7678.150	7913.662	8163.234	8285.091	8316.727	8306.181	8355.393
57.5	7981.620	8017.943	8142.143	8423.351	8804.154	9159.179	9350.166	9334.934	9354.853	9379.459
60.0	8552.238	8595.591	8826.416	9262.289	9809.472	10323.849	10647.238	10650.753	10669.500	10661.298
62.5	8813.527	8880.314	9272.834	9831.735	10608.572	11427.590	12019.299	12204.427	12248.952	12227.861
65.0	8367.110	8479.593	9036.150	9797.755	10844.084	11968.916	13015.244	13609.296	13939.715	14081.491
67.0	7336.014	7467.244	8073.013	9050.211	10232.456	11604.517	13076.172	14195.146	14872.388	15338.725
67.5	6955.211	7091.128	7692.211	8724.478	9923.127	11360.803	12934.396	14212.721	14986.043	15506.278
70.0	4266.160	4395.047	4952.776	5980.357	7177.834	8852.194	10859.316	12855.892	14196.317	14814.975
72.5	1875.892	1939.164	2239.119	2685.536	3356.921	4657.508	6478.329	8631.914	10142.235	10910.870
75.0	838.937	856.513	926.815	1026.409	1184.589	1556.018	2239.119	3537.362	4731.325	5456.607
77.5	476.882	480.397	533.124	574.133	632.718	701.848	792.069	993.602	1342.768	1584.138
80.0	306.985	304.642	322.218	360.884	407.752	441.731	473.367	514.376	569.446	599.910
82.5	183.957	181.614	187.472	203.876	241.370	260.117	274.178	289.410	304.642	303.470
85.0	62.100	67.959	74.989	84.362	108.968	113.655	119.513	121.857	113.655	107.796
87.5	7.030	8.202	11.717	12.889	17.576	18.747	19.919	21.091	19.919	17.576
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

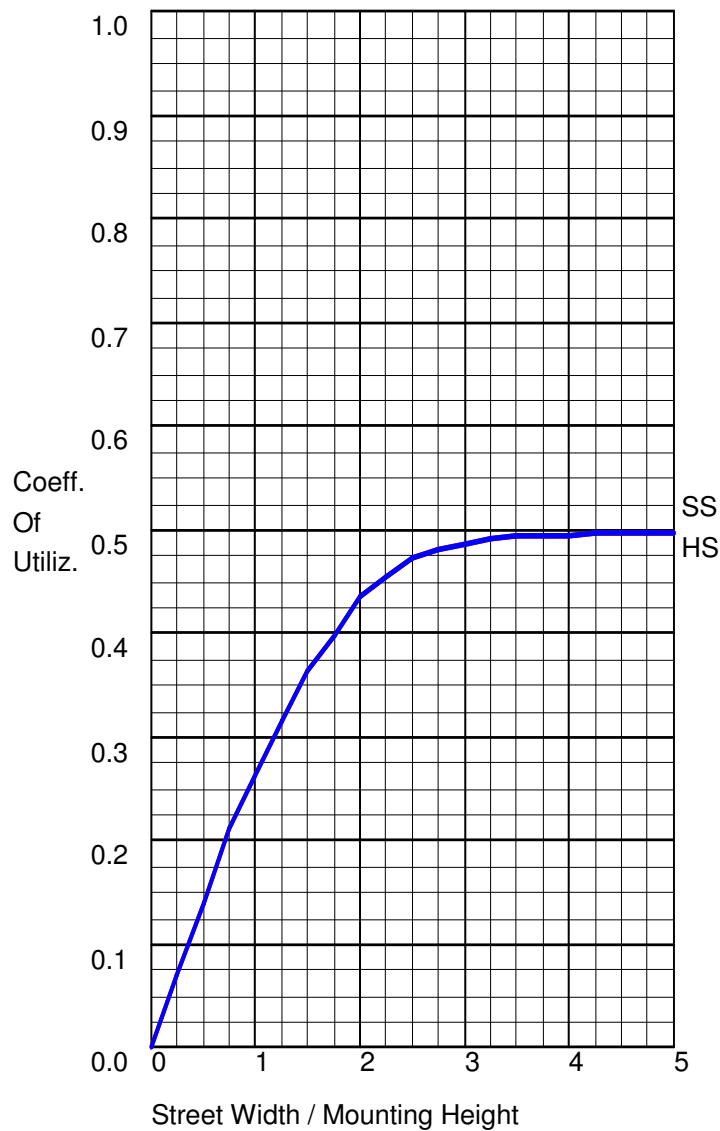
<b>Vert. Angles</b>	<b>Horizontal Angles</b>								
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990	3411.990
2.5	3414.334	3416.677	3420.192	3423.707	3424.879	3427.223	3430.738	3429.566	3435.424
5.0	3438.940	3440.111	3448.313	3453.000	3454.172	3457.687	3462.374	3461.202	3464.717
7.5	3489.323	3492.838	3498.696	3505.726	3510.413	3513.928	3520.959	3518.615	3520.959
10.0	3549.079	3553.766	3559.625	3566.655	3573.685	3576.028	3585.402	3585.402	3584.230
12.5	3610.008	3617.038	3621.725	3627.583	3634.613	3640.472	3647.502	3651.017	3647.502
15.0	3669.764	3675.623	3681.481	3687.340	3695.542	3702.572	3711.946	3718.976	3713.117
17.5	3729.521	3735.380	3744.753	3751.783	3761.157	3769.359	3782.248	3791.621	3784.591
20.0	3797.480	3802.167	3810.368	3823.257	3834.974	3845.519	3860.752	3873.640	3870.125
22.5	3874.812	3879.499	3888.872	3899.418	3915.821	3931.054	3948.629	3966.205	3966.205
25.0	3965.033	3968.548	3980.265	3991.982	4011.901	4028.305	4052.910	4069.314	4070.486

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**CANDELA TABULATION - (Cont.)**

27.5	4075.173	4083.375	4093.920	4107.980	4129.071	4145.475	4165.394	4179.454	4188.828
30.0	4218.120	4223.979	4236.867	4248.584	4274.362	4289.594	4309.513	4315.371	4330.603
32.5	4397.390	4404.420	4421.996	4432.541	4454.803	4463.005	4479.409	4480.581	4496.985
35.0	4623.528	4635.245	4650.477	4656.336	4675.083	4678.598	4695.002	4691.487	4706.719
37.5	4907.080	4918.797	4931.685	4936.372	4952.776	4946.917	4950.433	4949.261	4959.806
40.0	5259.761	5252.731	5276.165	5272.650	5278.509	5248.044	5233.984	5229.297	5236.327
42.5	5653.453	5647.594	5661.654	5642.907	5611.271	5557.373	5525.737	5517.535	5524.566
45.0	6063.548	6048.315	6043.629	6003.791	5942.862	5870.217	5829.208	5819.834	5822.177
47.5	6480.673	6453.724	6429.118	6385.765	6301.403	6214.697	6165.485	6152.597	6149.082
50.0	6947.009	6925.919	6898.970	6867.334	6745.477	6634.165	6570.894	6552.146	6550.975
52.5	7550.435	7576.212	7542.233	7468.416	7307.893	7148.542	7061.836	7027.857	7011.453
55.0	8428.038	8450.300	8401.089	8248.768	8034.347	7781.260	7638.312	7579.727	7569.182
57.5	9507.174	9529.436	9472.023	9249.400	8934.213	8553.410	8346.019	8239.394	8220.647
60.0	10787.842	10820.650	10759.721	10498.432	10055.529	9507.174	9139.260	8954.131	8852.194
62.5	12356.748	12393.071	12320.426	11874.008	11169.816	10408.211	9824.705	9481.396	9339.621
65.0	14251.387	14127.187	13714.749	12745.753	11606.860	10560.532	9749.716	9146.290	9020.918
67.0	15356.300	14887.620	13868.241	12394.243	10941.335	9706.363	8740.882	8008.570	7921.864
67.5	15484.016	14902.852	13732.324	12123.580	10612.087	9343.136	8338.989	7591.444	7518.799
70.0	14414.253	13326.916	11551.790	9520.063	7842.188	6362.331	5308.973	4671.568	4605.953
72.5	10514.836	9079.503	6996.221	4881.302	3488.151	2707.799	2324.653	2098.515	2077.424
75.0	4901.221	3522.130	2264.896	1625.148	1332.223	1137.721	1043.985	1001.804	985.400
77.5	1314.647	997.117	858.856	766.292	703.020	649.122	599.910	569.446	564.759
80.0	574.133	534.295	512.033	480.397	454.620	417.125	359.712	350.338	351.510
82.5	312.844	304.642	301.127	288.238	268.319	233.168	207.391	207.391	212.078
85.0	108.968	124.200	120.685	117.170	111.312	90.221	82.019	83.191	80.847
87.5	18.747	19.919	16.404	16.404	16.404	14.060	11.717	11.717	10.545
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

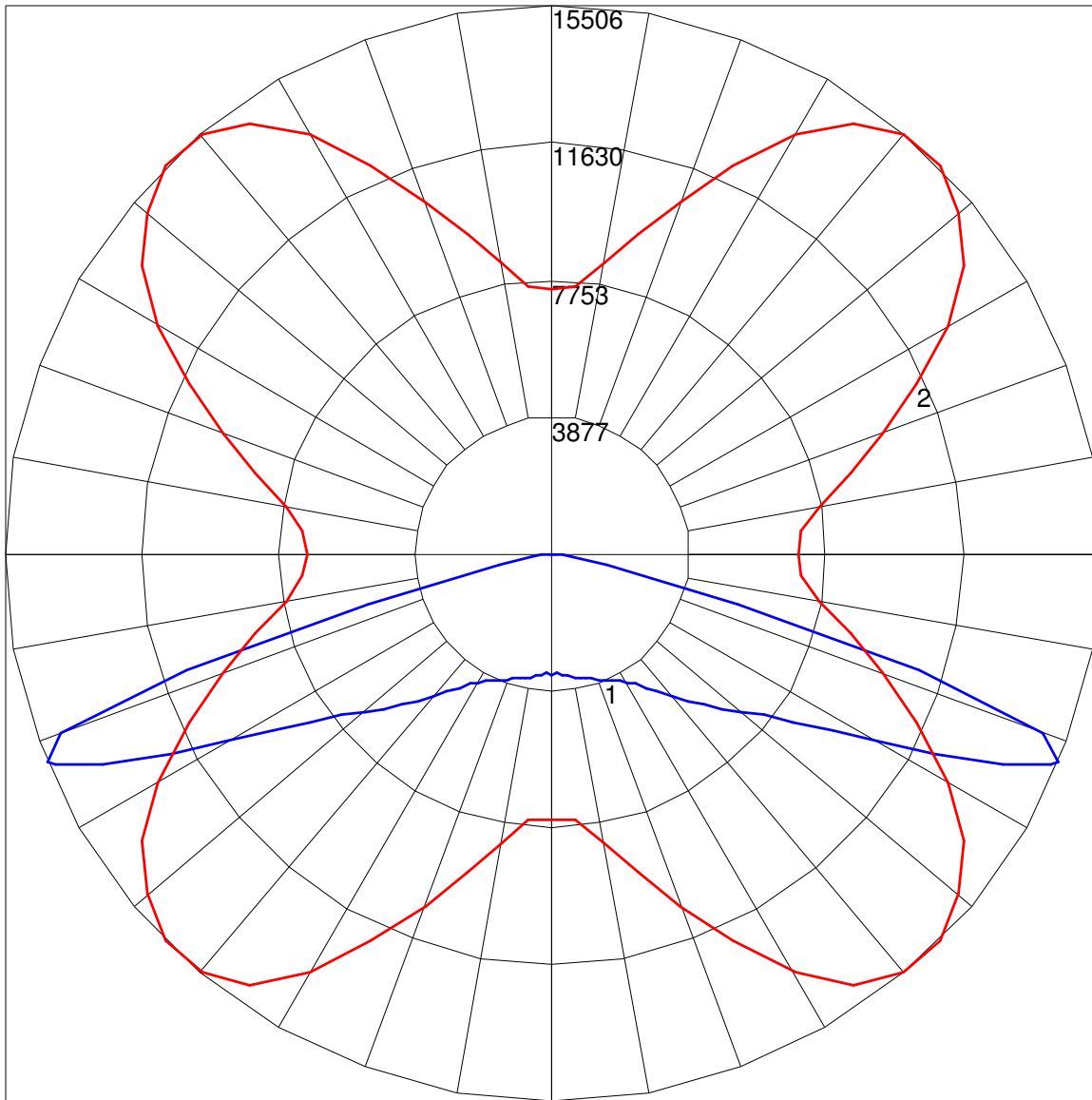
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

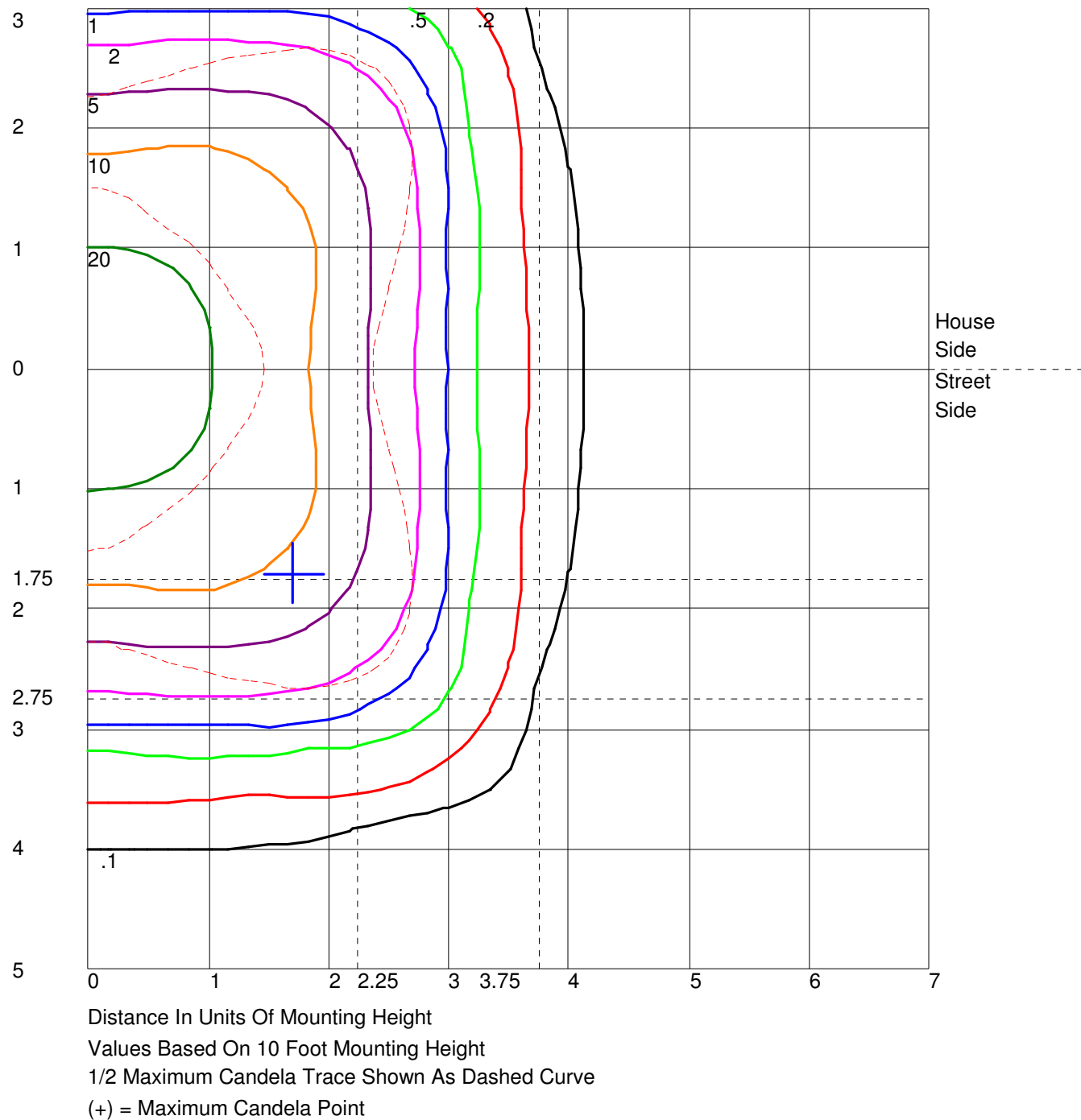
	Lumens	Percent Of Luminaire
Downward Street Side	16217.3	50.0
Downward House Side	16217.3	50.0
Downward Total	32434.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	32434.6	100.0

POLAR GRAPH

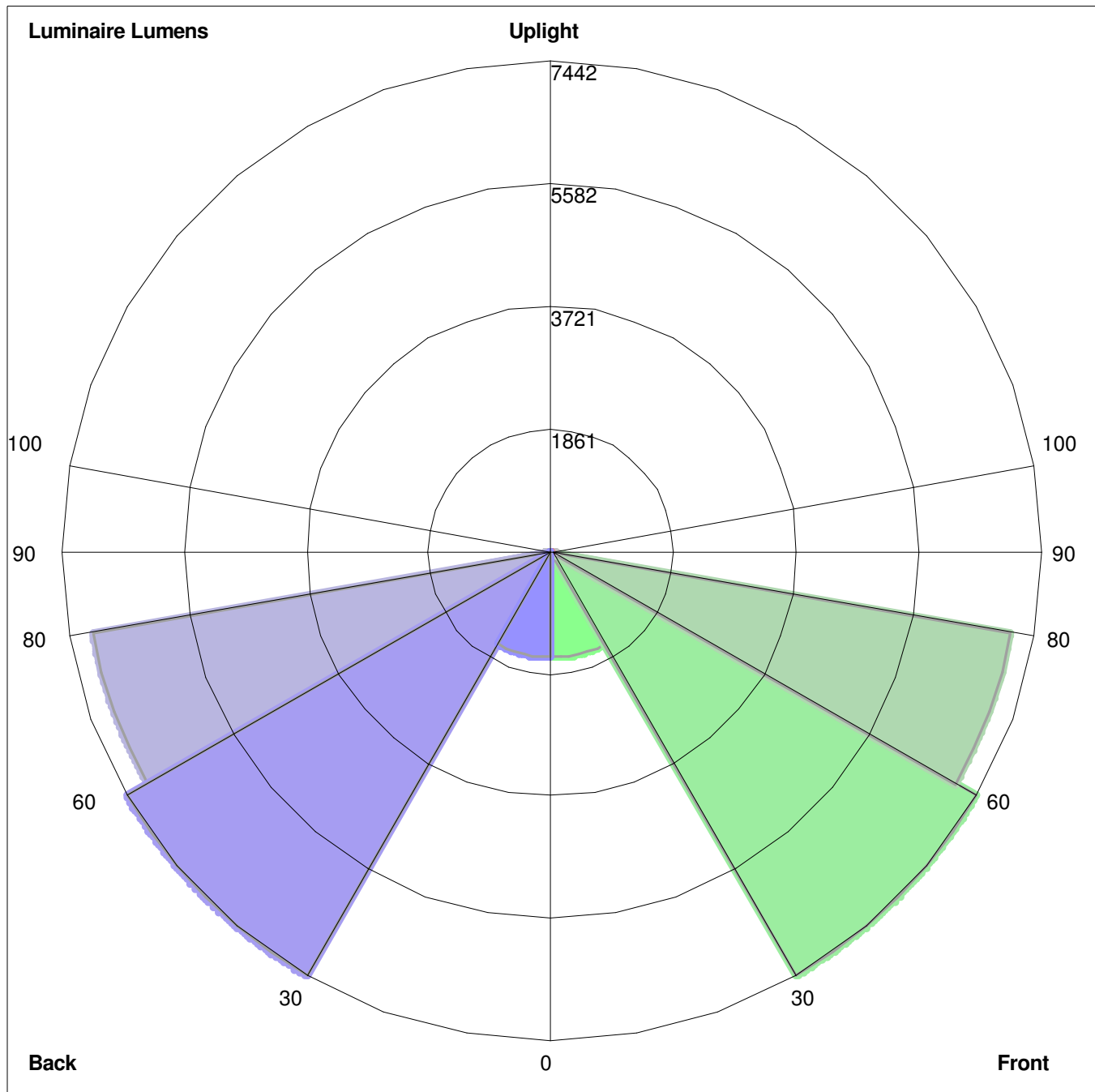


Maximum Candela = 15506.278 Located At Horizontal Angle = 45, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1618.8, Medium=7442.5, High=7075.5, Very High=80.6  
Back: Low=1618.8, Medium=7442.5, High=7075.5, Very High=80.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3