



IES ROAD REPORT

PHOTOMETRIC FILENAME : VA2-L330-730-T5-F-S-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL011774
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2023-01-18
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VA2-L330-730-T5-F-S-xxx-DIM-UNV_
[LUMINAIRE] VA2 ARCHITECTURAL LED AREA LIGHT
[MORE] WITH TYPE V OPTICS, CLEAR LENS, (2) LED MODULES
[MORE] AND (2) ELECTRONIC DRIVERS
[LAMP] LED
[_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	32311
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	269
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15447.174
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	15447.174
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	597.624 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VA2-L330-730-T5-F-S-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1612.6	N.A.	5.0
FM - Front-Medium (30-60)	7414.1	N.A.	22.9
FH - Front-High (60-80)	7048.5	N.A.	21.8
FVH - Front-Very High (80-90)	80.3	N.A.	0.2
BL - Back-Low (0-30)	1612.6	N.A.	5.0
BM - Back-Medium (30-60)	7414.1	N.A.	22.9
BH - Back-High (60-80)	7048.5	N.A.	21.8
BVH - Back-Very High (80-90)	80.3	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	32311.0	N.A.	100.0
BUG Rating	B5-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<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	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985
2.5	3389.647	3389.647	3391.982	3391.982	3390.815	3389.647	3389.647	3393.149	3394.316	3400.152
5.0	3412.992	3414.159	3416.494	3412.992	3410.658	3411.825	3409.490	3414.159	3416.494	3423.497
7.5	3455.012	3457.347	3457.347	3456.180	3453.845	3455.012	3452.678	3462.016	3464.350	3471.354
10.0	3505.204	3506.371	3506.371	3506.371	3505.204	3508.705	3509.872	3519.210	3521.545	3529.715
12.5	3562.398	3563.565	3562.398	3560.064	3561.231	3565.900	3569.401	3578.739	3583.408	3590.412
15.0	3628.930	3628.930	3621.927	3621.927	3624.261	3626.596	3631.265	3638.268	3642.937	3651.108
17.5	3710.637	3704.801	3694.295	3693.128	3693.128	3693.128	3694.295	3701.299	3705.968	3711.804
20.0	3799.346	3788.841	3773.667	3773.667	3771.333	3768.998	3767.831	3772.500	3772.500	3779.504
22.5	3895.060	3881.053	3869.381	3863.544	3858.875	3857.708	3848.370	3853.039	3850.705	3854.206
25.0	3997.776	3986.104	3975.599	3969.763	3962.759	3955.756	3945.251	3946.418	3941.749	3942.916
27.5	4123.838	4108.663	4098.158	4092.322	4079.483	4075.981	4063.141	4061.974	4052.636	4059.640
30.0	4272.076	4255.735	4246.397	4238.226	4227.721	4220.718	4205.544	4205.544	4193.872	4200.875
32.5	4431.987	4416.813	4407.475	4409.810	4394.636	4401.639	4387.632	4385.298	4370.124	4372.458
35.0	4639.755	4622.246	4608.240	4615.243	4610.574	4615.243	4605.905	4608.240	4591.898	4604.738
37.5	4887.209	4870.867	4860.362	4875.536	4865.031	4887.209	4876.703	4886.041	4872.034	4890.710
40.0	5167.345	5149.836	5139.331	5161.509	5175.515	5202.362	5208.198	5224.539	5215.201	5238.546
42.5	5436.976	5428.805	5427.638	5467.324	5502.341	5553.699	5585.214	5610.894	5612.061	5642.409
45.0	5717.112	5712.443	5727.617	5777.808	5832.668	5924.879	5959.897	6012.422	6028.763	6054.442
47.5	6012.422	6019.425	6043.937	6108.135	6188.674	6294.893	6341.582	6413.951	6437.295	6473.479
50.0	6382.435	6395.275	6422.121	6502.660	6612.380	6755.950	6813.145	6889.015	6900.687	6936.871
52.5	6839.991	6852.830	6886.680	7008.073	7159.813	7352.407	7429.444	7467.963	7477.301	7509.983
55.0	7383.922	7402.598	7466.796	7648.884	7883.498	8132.119	8253.511	8285.027	8274.521	8323.545
57.5	7951.198	7987.382	8111.109	8391.245	8770.596	9124.268	9314.527	9299.353	9319.196	9343.708
60.0	8519.641	8562.828	8792.773	9226.984	9772.083	10284.498	10606.655	10610.157	10628.832	10620.662
62.5	8779.934	8846.466	9237.489	9794.260	10568.136	11384.033	11973.486	12157.909	12202.264	12181.253
65.0	8335.218	8447.272	9001.708	9760.410	10802.750	11923.295	12965.635	13557.422	13886.582	14027.818
67.0	7308.052	7438.782	8042.242	9015.715	10193.454	11560.285	13026.331	14141.039	14815.700	15280.260
67.5	6928.701	7064.100	7662.891	8691.224	9885.304	11317.500	12885.096	14158.548	14928.922	15447.174
70.0	4249.899	4378.295	4933.898	5957.562	7150.475	8818.452	10817.924	12806.891	14142.206	14758.506
72.5	1868.742	1931.772	2230.584	2675.300	3344.125	4639.755	6453.636	8599.012	10103.577	10869.282
75.0	835.740	853.248	923.282	1022.497	1180.074	1550.087	2230.584	3523.879	4713.291	5435.808
77.5	475.064	478.566	531.091	571.945	630.306	699.173	789.050	989.814	1337.650	1578.100
80.0	305.815	303.481	320.989	359.508	406.197	440.047	471.563	512.416	567.276	597.624
82.5	183.256	180.921	186.757	203.099	240.450	259.126	273.133	288.307	303.481	302.314
85.0	61.863	67.700	74.703	84.041	108.553	113.222	119.058	121.392	113.222	107.386
87.5	7.003	8.171	11.672	12.840	17.509	18.676	19.843	21.010	19.843	17.509
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles								
	<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	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985	3398.985
2.5	3401.320	3403.654	3407.156	3410.658	3411.825	3414.159	3417.661	3416.494	3422.330
5.0	3425.832	3426.999	3435.169	3439.838	3441.006	3444.507	3449.176	3448.009	3451.511
7.5	3476.023	3479.524	3485.361	3492.364	3497.033	3500.535	3507.538	3505.204	3507.538
10.0	3535.552	3540.221	3546.057	3553.060	3560.064	3562.398	3571.736	3571.736	3570.569
12.5	3596.248	3603.251	3607.920	3613.756	3620.760	3626.596	3633.599	3637.101	3633.599
15.0	3655.777	3661.613	3667.449	3673.285	3681.456	3688.459	3697.797	3704.801	3698.964
17.5	3715.306	3721.142	3730.480	3737.483	3746.821	3754.992	3767.831	3777.169	3770.166
20.0	3783.005	3787.674	3795.845	3808.684	3820.357	3830.862	3846.036	3858.875	3855.374
22.5	3860.043	3864.712	3874.049	3884.555	3900.896	3916.070	3933.578	3951.087	3951.087
25.0	3949.920	3953.421	3965.094	3976.766	3996.609	4012.950	4037.462	4053.803	4054.971

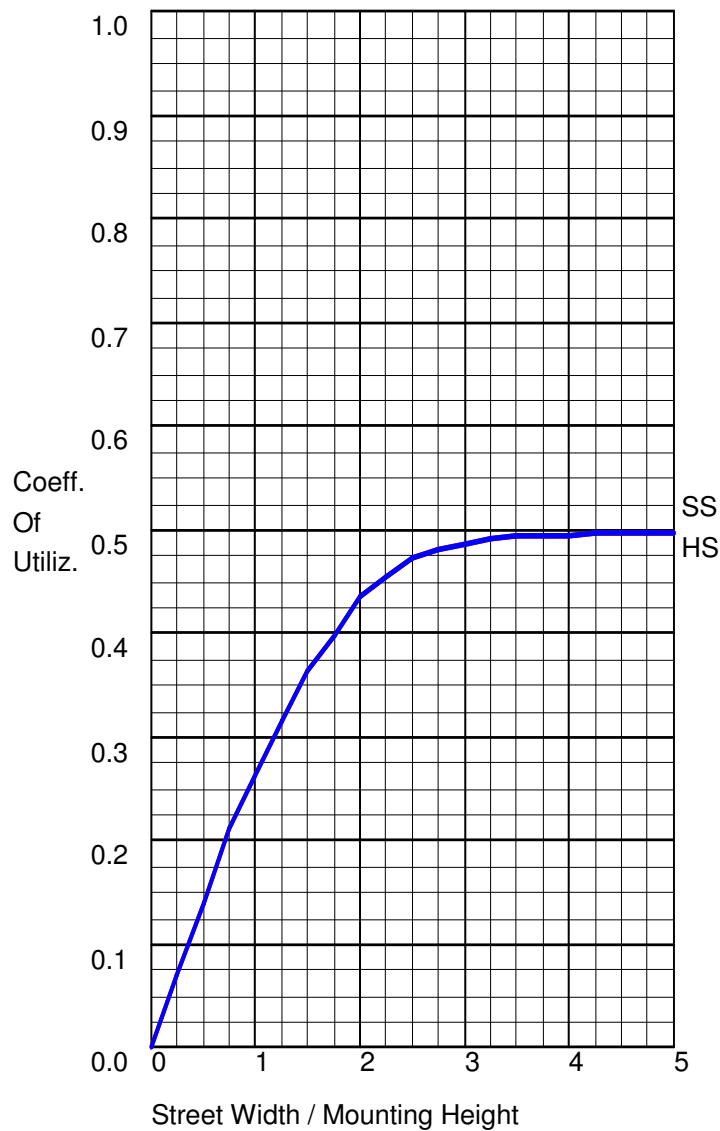
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CANDELA TABULATION - (Cont.)

27.5	4059.640	4067.810	4078.315	4092.322	4113.332	4129.674	4149.517	4163.523	4172.861
30.0	4202.042	4207.878	4220.718	4232.390	4258.069	4273.243	4293.086	4298.923	4314.097
32.5	4380.629	4387.632	4405.141	4415.646	4437.823	4445.994	4462.335	4463.503	4479.844
35.0	4605.905	4617.577	4632.752	4638.588	4657.263	4660.765	4677.106	4673.605	4688.779
37.5	4888.376	4900.048	4912.888	4917.557	4933.898	4928.062	4931.563	4930.396	4940.901
40.0	5239.713	5232.710	5256.054	5252.553	5258.389	5228.041	5214.034	5209.365	5216.368
42.5	5631.904	5626.068	5640.074	5621.399	5589.883	5536.191	5504.675	5496.505	5503.508
45.0	6040.436	6025.262	6020.593	5980.907	5920.211	5847.842	5806.989	5797.651	5799.985
47.5	6455.971	6429.125	6404.613	6361.425	6277.384	6191.009	6141.985	6129.145	6125.644
50.0	6920.530	6899.520	6872.673	6841.158	6719.766	6608.879	6545.848	6527.172	6526.005
52.5	7521.656	7547.335	7513.485	7439.949	7280.038	7121.294	7034.919	7001.069	6984.728
55.0	8395.914	8418.091	8369.067	8217.327	8003.723	7751.601	7609.198	7550.836	7540.331
57.5	9470.936	9493.114	9435.919	9214.145	8900.159	8520.808	8314.207	8207.989	8189.313
60.0	10746.723	10779.405	10718.709	10458.416	10017.202	9470.936	9104.425	8920.002	8818.452
62.5	12309.649	12345.833	12273.465	11828.749	11127.241	10368.539	9787.257	9445.257	9304.022
65.0	14197.066	14073.340	13662.473	12697.171	11562.619	10520.280	9712.554	9111.428	8986.534
67.0	15297.768	14830.874	13815.381	12347.001	10899.631	9669.366	8707.565	7978.044	7891.669
67.5	15424.997	14846.049	13679.982	12077.370	10571.638	9307.523	8307.204	7562.509	7490.140
70.0	14359.312	13276.119	11507.759	9483.776	7812.297	6338.080	5288.737	4653.762	4588.397
72.5	10474.757	9044.896	6969.554	4862.697	3474.855	2697.478	2315.792	2090.516	2069.506
75.0	4882.540	3508.705	2256.263	1618.953	1327.145	1133.384	1040.005	997.985	981.644
77.5	1309.636	993.316	855.582	763.371	700.340	646.648	597.624	567.276	562.607
80.0	571.945	532.259	510.081	478.566	452.887	415.535	358.341	349.003	350.170
82.5	311.651	303.481	299.979	287.140	267.297	232.280	206.600	206.600	211.269
85.0	108.553	123.727	120.225	116.723	110.887	89.877	81.706	82.874	80.539
87.5	18.676	19.843	16.341	16.341	16.341	14.007	11.672	11.672	10.505
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

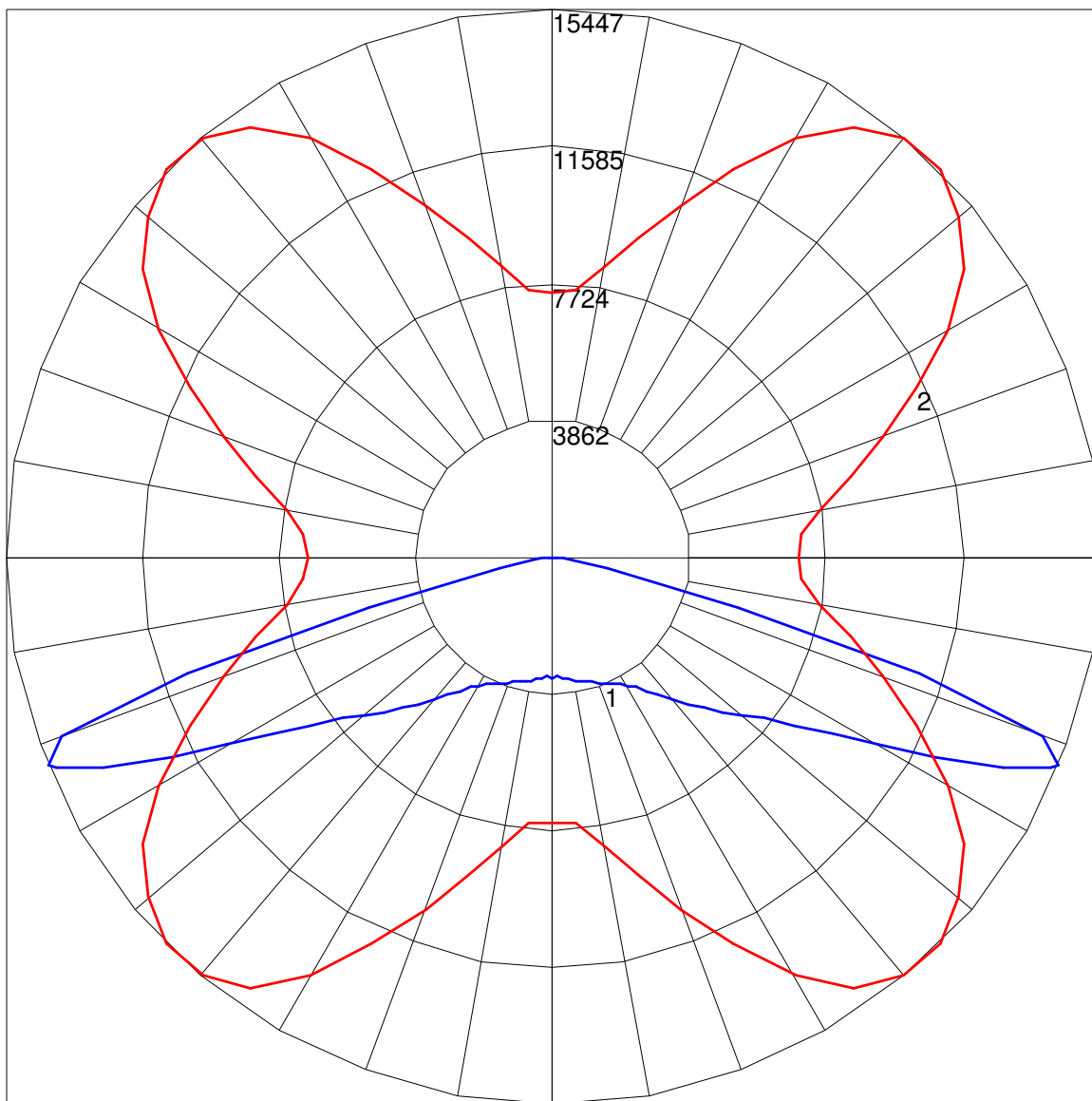
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

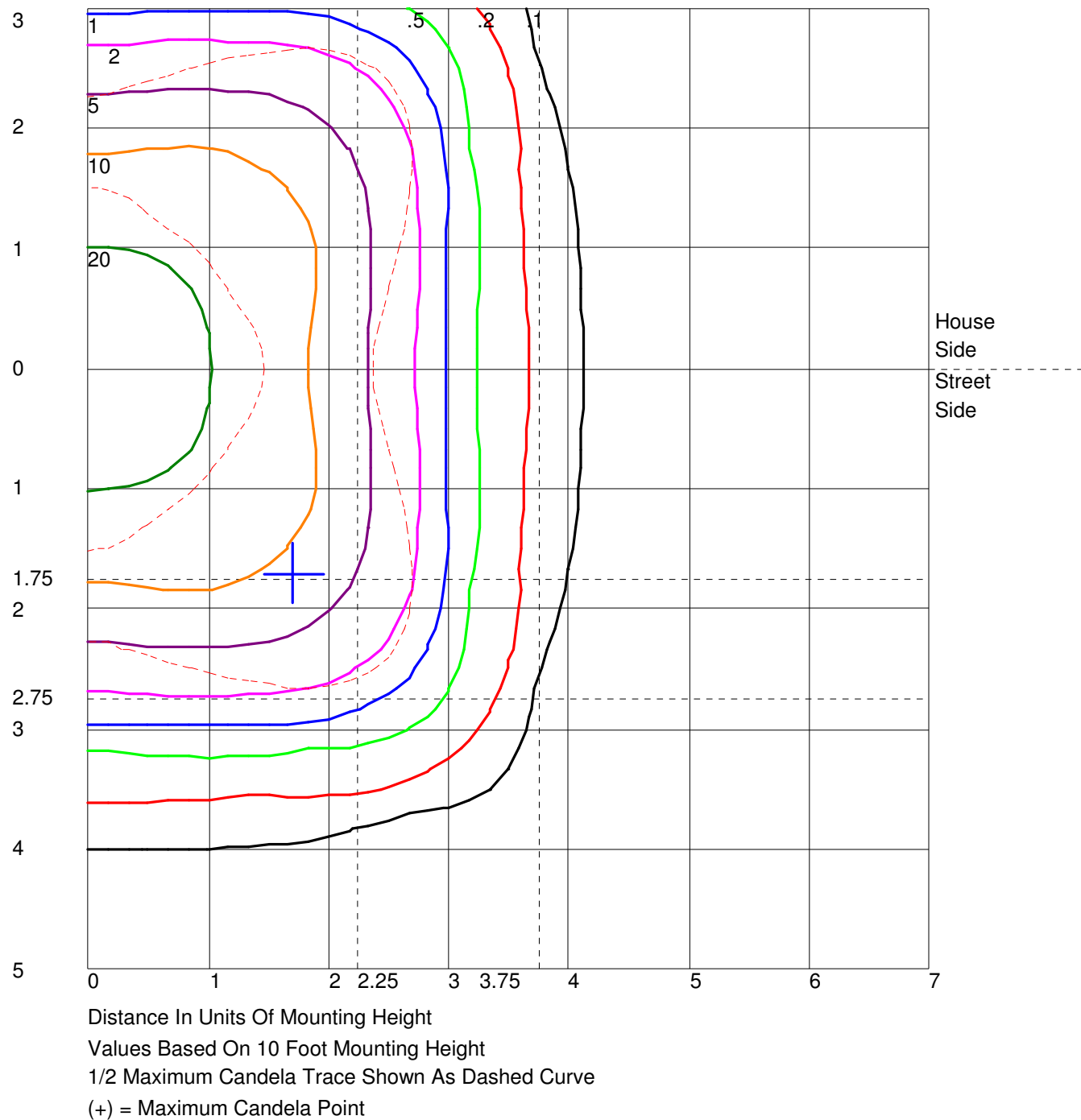
	Lumens	Percent Of Luminaire
Downward Street Side	16155.5	50.0
Downward House Side	16155.5	50.0
Downward Total	32311.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	32311.0	100.0

POLAR GRAPH

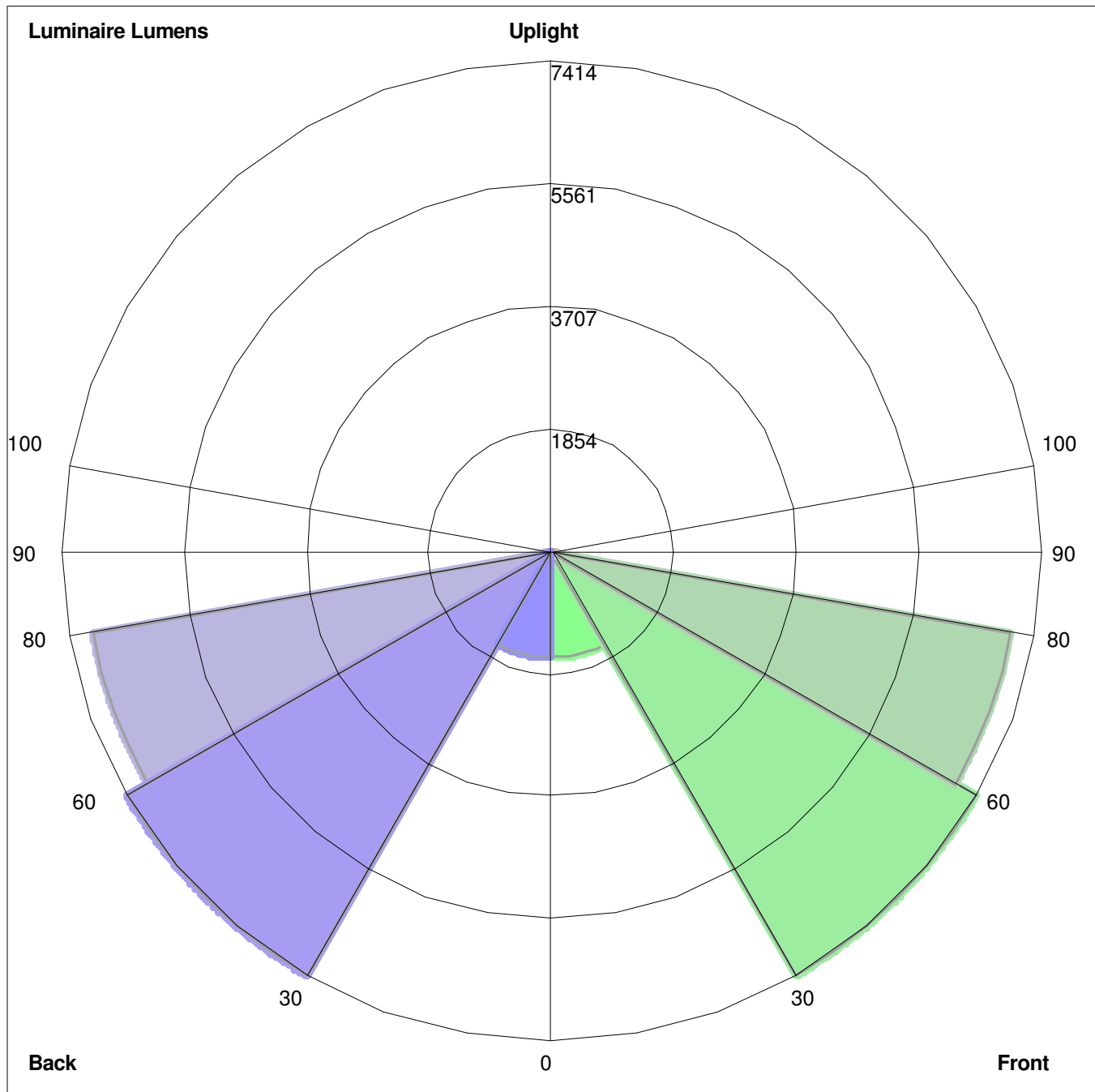


Maximum Candela = 15447.174 Located At Horizontal Angle = 45, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1612.6, Medium=7414.1, High=7048.5, Very High=80.3
Back: Low=1612.6, Medium=7414.1, High=7048.5, Very High=80.3
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3