



IES ROAD REPORT

PHOTOMETRIC FILENAME : VA2-L330-750-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-L330-750-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] 5000K 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	33370
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	319
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15953.283
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	15953.283
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	617.204 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VA2-L330-750-T5-F-S-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1665.4	N.A.	5.0
FM - Front-Medium (30-60)	7657.0	N.A.	22.9
FH - Front-High (60-80)	7279.5	N.A.	21.8
FVH - Front-Very High (80-90)	82.9	N.A.	0.2
BL - Back-Low (0-30)	1665.4	N.A.	5.0
BM - Back-Medium (30-60)	7657.0	N.A.	22.9
BH - Back-High (60-80)	7279.5	N.A.	21.8
BVH - Back-Very High (80-90)	82.9	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	33369.6	N.A.	100.0
BUG Rating	B5-U0-G3		

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CANDELA TABULATION

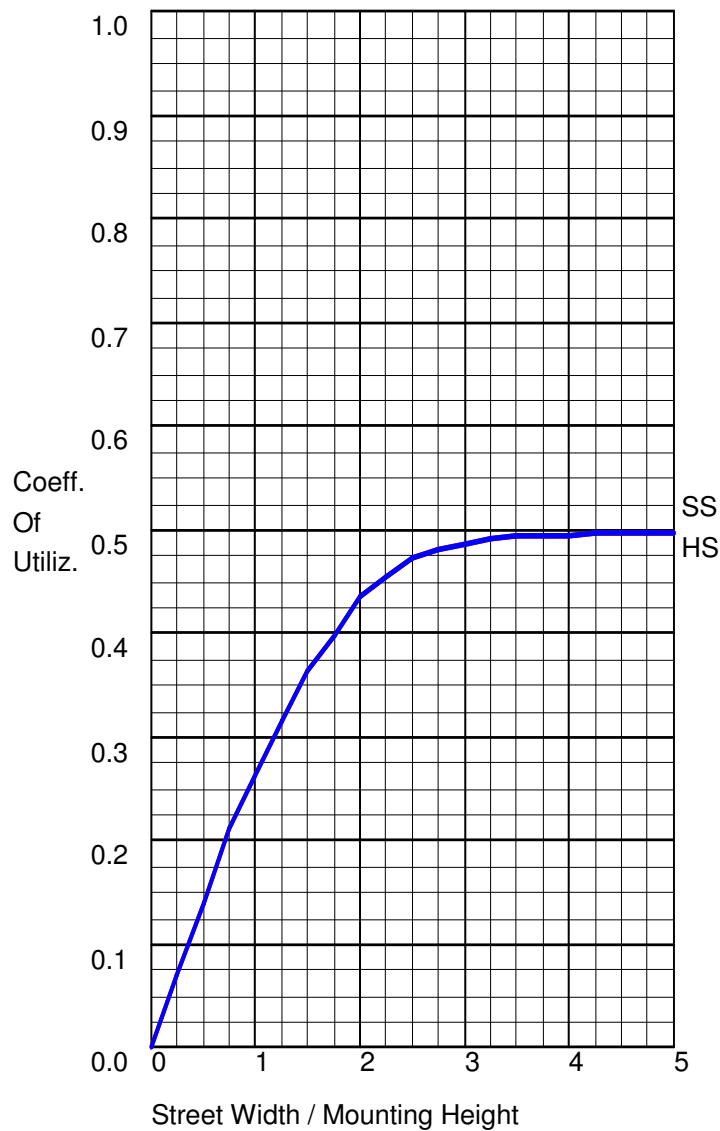
Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349
2.5	3500.705	3500.705	3503.116	3503.116	3501.911	3500.705	3500.705	3504.322	3505.527	3511.554
5.0	3524.815	3526.020	3528.431	3524.815	3522.404	3523.609	3521.198	3526.020	3528.431	3535.664
7.5	3568.212	3570.623	3570.623	3569.417	3567.006	3568.212	3565.801	3575.445	3577.856	3585.089
10.0	3620.047	3621.253	3621.253	3621.253	3620.047	3623.664	3624.869	3634.513	3636.924	3645.362
12.5	3679.116	3680.321	3679.116	3676.705	3677.910	3682.732	3686.349	3695.992	3700.814	3708.047
15.0	3747.828	3747.828	3740.595	3740.595	3743.006	3745.417	3750.239	3757.472	3762.294	3770.732
17.5	3832.211	3826.184	3815.335	3814.129	3814.129	3814.129	3815.335	3822.568	3827.389	3833.417
20.0	3923.828	3912.978	3897.307	3897.307	3894.896	3892.485	3891.280	3896.102	3896.102	3903.335
22.5	4022.677	4008.211	3996.156	3990.129	3985.307	3984.101	3974.458	3979.280	3976.869	3980.485
25.0	4128.759	4116.704	4105.855	4099.827	4092.594	4085.362	4074.512	4075.718	4070.896	4072.101
27.5	4258.950	4243.279	4232.430	4226.402	4213.142	4209.526	4196.265	4195.060	4185.416	4192.649
30.0	4412.046	4395.169	4385.525	4377.087	4366.238	4359.005	4343.334	4343.334	4331.279	4338.512
32.5	4577.196	4561.525	4551.881	4554.292	4538.621	4545.854	4531.388	4528.977	4513.306	4515.717
35.0	4791.771	4773.689	4759.223	4766.456	4761.634	4766.456	4756.812	4759.223	4742.347	4755.607
37.5	5047.332	5030.456	5019.606	5035.277	5024.428	5047.332	5036.483	5046.127	5031.661	5050.949
40.0	5336.647	5318.565	5307.715	5330.619	5345.085	5372.811	5378.838	5395.715	5386.071	5410.181
42.5	5615.112	5606.674	5605.468	5646.454	5682.619	5735.660	5768.207	5794.728	5795.933	5827.276
45.0	5904.426	5899.604	5915.276	5967.111	6023.769	6119.001	6155.166	6209.412	6226.289	6252.809
47.5	6209.412	6216.645	6241.960	6308.261	6391.439	6501.137	6549.357	6624.096	6648.206	6685.575
50.0	6591.548	6604.808	6632.534	6715.712	6829.027	6977.301	7036.369	7114.725	7126.780	7164.150
52.5	7064.095	7077.355	7112.314	7237.684	7394.396	7593.300	7672.861	7712.642	7722.286	7756.039
55.0	7625.847	7645.135	7711.436	7899.491	8141.792	8398.558	8523.928	8556.476	8545.626	8596.256
57.5	8211.709	8249.079	8376.860	8666.174	9057.954	9423.214	9619.706	9604.035	9624.528	9649.843
60.0	8798.777	8843.379	9080.858	9529.296	10092.253	10621.458	10954.169	10957.786	10977.074	10968.635
62.5	9067.598	9136.310	9540.145	10115.158	10914.389	11757.017	12365.783	12556.248	12602.057	12580.358
65.0	8608.311	8724.037	9296.639	10080.199	11156.690	12313.948	13390.439	14001.615	14341.560	14487.423
67.0	7547.491	7682.505	8305.737	9311.104	10527.431	11939.044	13453.123	14604.354	15301.120	15780.899
67.5	7155.711	7295.547	7913.957	8975.982	10209.185	11688.305	13307.261	14622.436	15418.051	15953.283
70.0	4389.142	4521.744	5095.551	6152.755	7384.752	9107.379	11172.361	13226.494	14605.559	15242.051
72.5	1929.969	1995.064	2303.667	2762.953	3453.692	4791.771	6665.082	8880.749	10434.609	11225.402
75.0	863.122	881.204	953.532	1055.998	1218.737	1600.873	2303.667	3639.335	4867.716	5613.906
77.5	490.629	494.246	548.492	590.684	650.958	722.081	814.902	1022.244	1381.477	1629.805
80.0	315.835	313.424	331.506	371.287	419.506	454.465	487.013	529.204	585.862	617.204
82.5	189.260	186.849	192.876	209.753	248.328	267.616	282.082	297.753	313.424	312.219
85.0	63.890	69.918	77.151	86.794	112.109	116.931	122.959	125.370	116.931	110.904
87.5	7.233	8.438	12.055	13.260	18.082	19.288	20.493	21.699	20.493	18.082
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	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	3510.349	
2.5	3512.760	3515.171	3518.787	3522.404	3523.609	3526.020	3529.637	3528.431	3534.459	
5.0	3538.075	3539.280	3547.719	3552.541	3553.746	3557.363	3562.185	3560.979	3564.595	
7.5	3589.911	3593.527	3599.554	3606.787	3611.609	3615.226	3622.458	3620.047	3622.458	
10.0	3651.390	3656.212	3662.239	3669.472	3676.705	3679.116	3688.760	3688.760	3687.554	
12.5	3714.075	3721.307	3726.129	3732.157	3739.390	3745.417	3752.650	3756.266	3752.650	
15.0	3775.554	3781.581	3787.609	3793.636	3802.074	3809.307	3818.951	3826.184	3820.157	
17.5	3837.033	3843.061	3852.704	3859.937	3869.581	3878.020	3891.280	3900.924	3893.691	
20.0	3906.951	3911.773	3920.211	3933.471	3945.526	3956.376	3972.047	3985.307	3981.691	
22.5	3986.512	3991.334	4000.978	4011.827	4028.704	4044.375	4062.457	4080.540	4080.540	
25.0	4079.334	4082.951	4095.005	4107.060	4127.553	4144.430	4169.745	4186.622	4187.827	

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27.5	4192.649	4201.087	4211.937	4226.402	4248.101	4264.978	4285.471	4299.936	4309.580
30.0	4339.717	4345.745	4359.005	4371.060	4397.580	4413.251	4433.744	4439.772	4455.443
32.5	4524.155	4531.388	4549.470	4560.319	4583.224	4591.662	4608.539	4609.744	4626.621
35.0	4756.812	4768.867	4784.538	4790.566	4809.853	4813.470	4830.346	4826.730	4842.401
37.5	5048.538	5060.592	5073.853	5078.675	5095.551	5089.524	5093.140	5091.935	5102.784
40.0	5411.386	5404.153	5428.263	5424.646	5430.674	5399.331	5384.866	5380.044	5387.277
42.5	5816.427	5810.399	5824.865	5805.577	5773.029	5717.577	5685.030	5676.591	5683.824
45.0	6238.343	6222.672	6217.850	6176.864	6114.179	6039.440	5997.248	5987.604	5990.015
47.5	6667.493	6639.767	6614.452	6569.850	6483.055	6393.850	6343.220	6329.960	6326.343
50.0	7147.273	7125.575	7097.849	7065.301	6939.931	6825.411	6760.315	6741.027	6739.822
52.5	7768.094	7794.614	7759.655	7683.710	7518.560	7354.615	7265.410	7230.451	7213.574
55.0	8670.996	8693.900	8643.270	8486.558	8265.956	8005.573	7858.505	7798.231	7787.381
57.5	9781.240	9804.144	9745.076	9516.035	9191.762	8799.982	8586.613	8476.914	8457.627
60.0	11098.827	11132.580	11069.895	10801.074	10345.404	9781.240	9402.721	9212.255	9107.379
62.5	12712.960	12750.330	12675.591	12216.304	11491.812	10708.252	10107.925	9754.720	9608.857
65.0	14662.217	14534.436	14110.108	13113.179	11941.455	10864.964	10030.774	9409.953	9280.967
67.0	15798.982	15316.791	14268.026	12751.536	11256.744	9986.171	8992.858	8239.435	8150.230
67.5	15930.379	15332.462	14128.190	12473.071	10918.005	9612.474	8579.380	7810.285	7735.546
70.0	14829.778	13711.095	11884.798	9794.501	8068.258	6545.740	5462.016	4806.237	4738.730
72.5	10817.951	9341.241	7197.903	5022.017	3588.705	2785.857	2391.666	2159.009	2137.311
75.0	5042.510	3623.664	2330.187	1671.997	1370.627	1170.518	1074.080	1030.683	1013.806
77.5	1352.545	1025.861	883.615	788.382	723.286	667.834	617.204	585.862	581.040
80.0	590.684	549.698	526.793	494.246	467.725	429.150	370.081	360.438	361.643
82.5	321.862	313.424	309.808	296.547	276.054	239.890	213.369	213.369	218.191
85.0	112.109	127.781	124.164	120.548	114.520	92.822	84.383	85.589	83.178
87.5	19.288	20.493	16.877	16.877	16.877	14.466	12.055	12.055	10.849
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

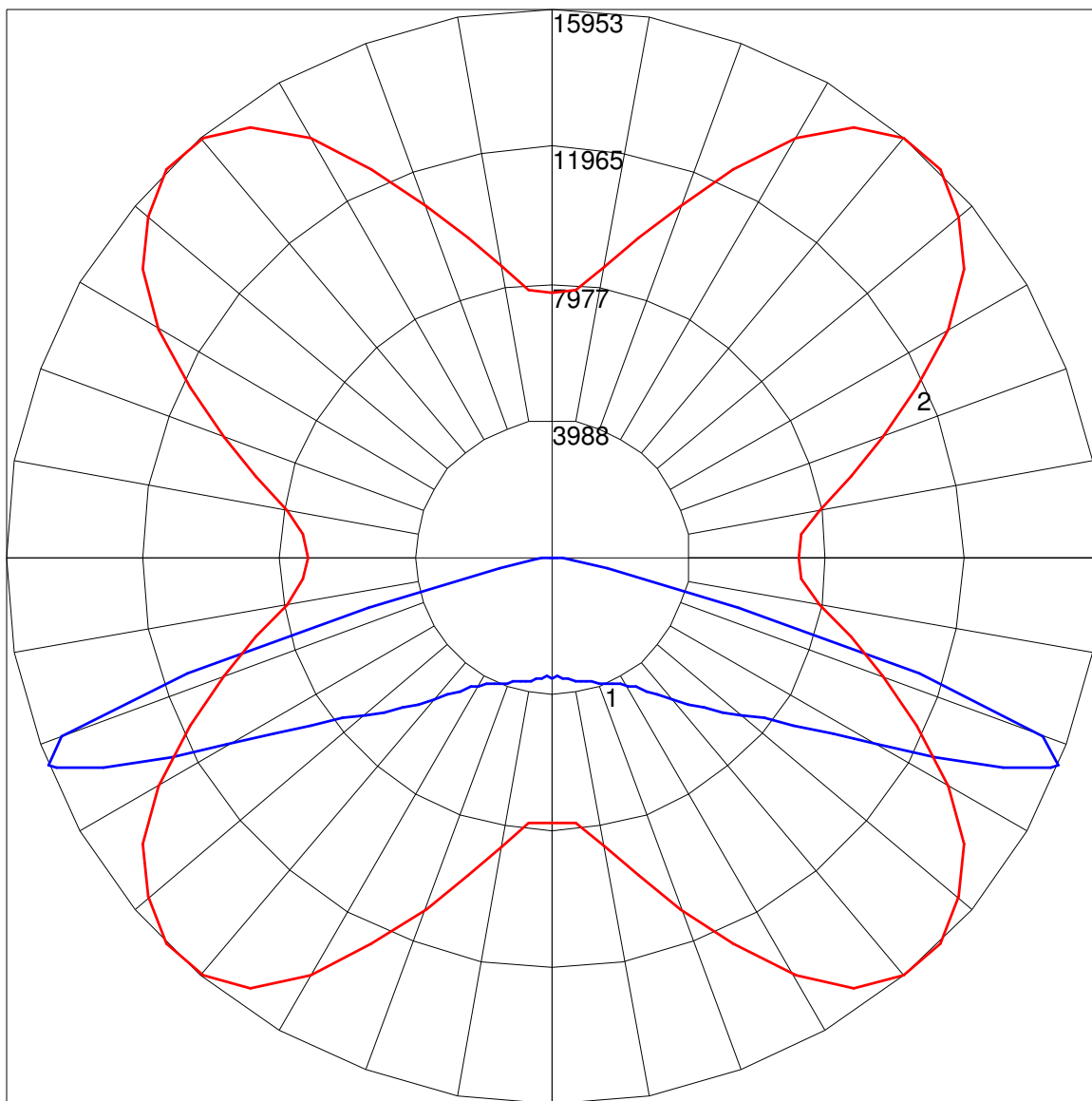
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

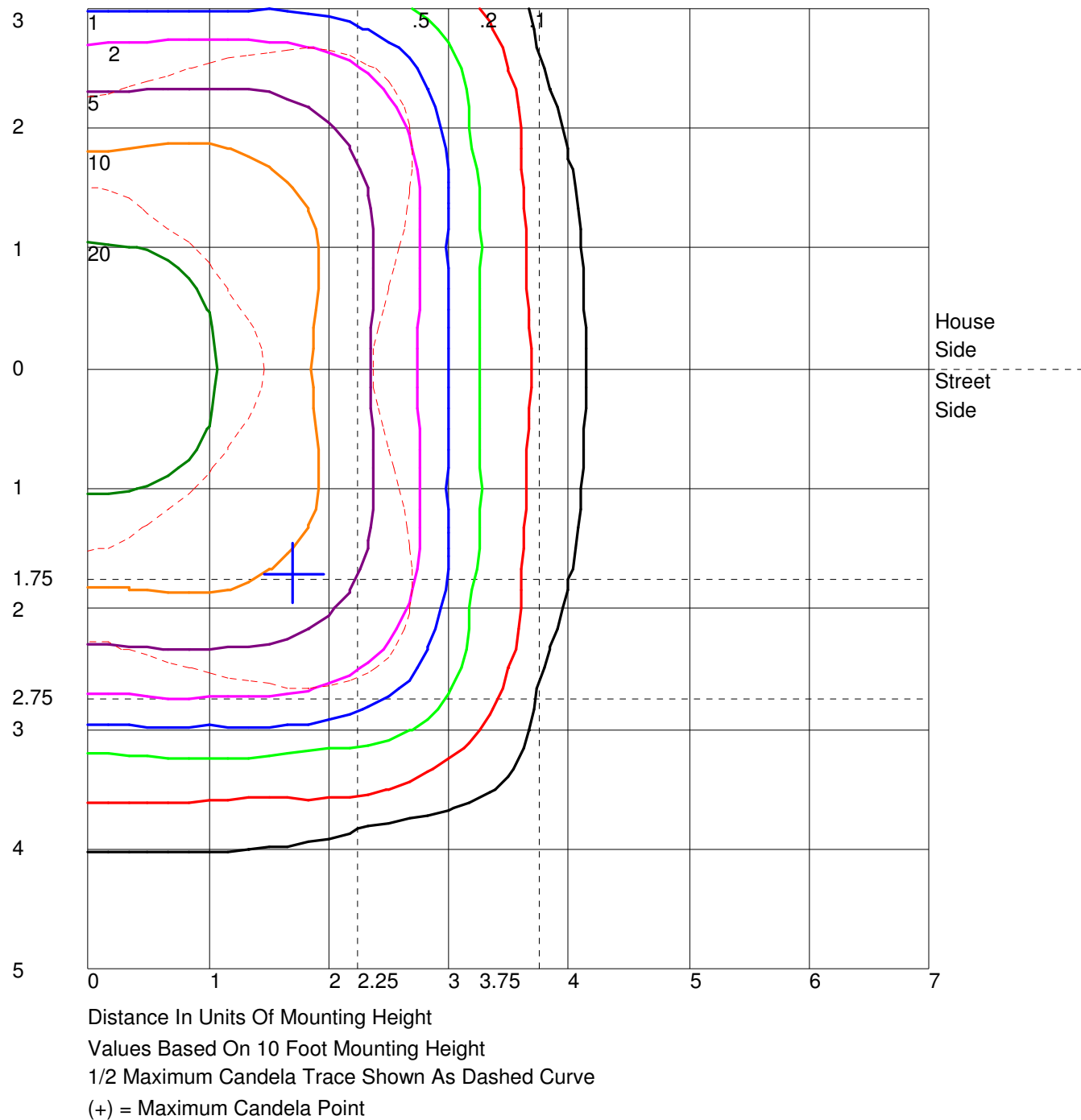
	Lumens	Percent Of Luminaire
Downward Street Side	16684.8	50.0
Downward House Side	16684.8	50.0
Downward Total	33369.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	33369.6	100.0

POLAR GRAPH

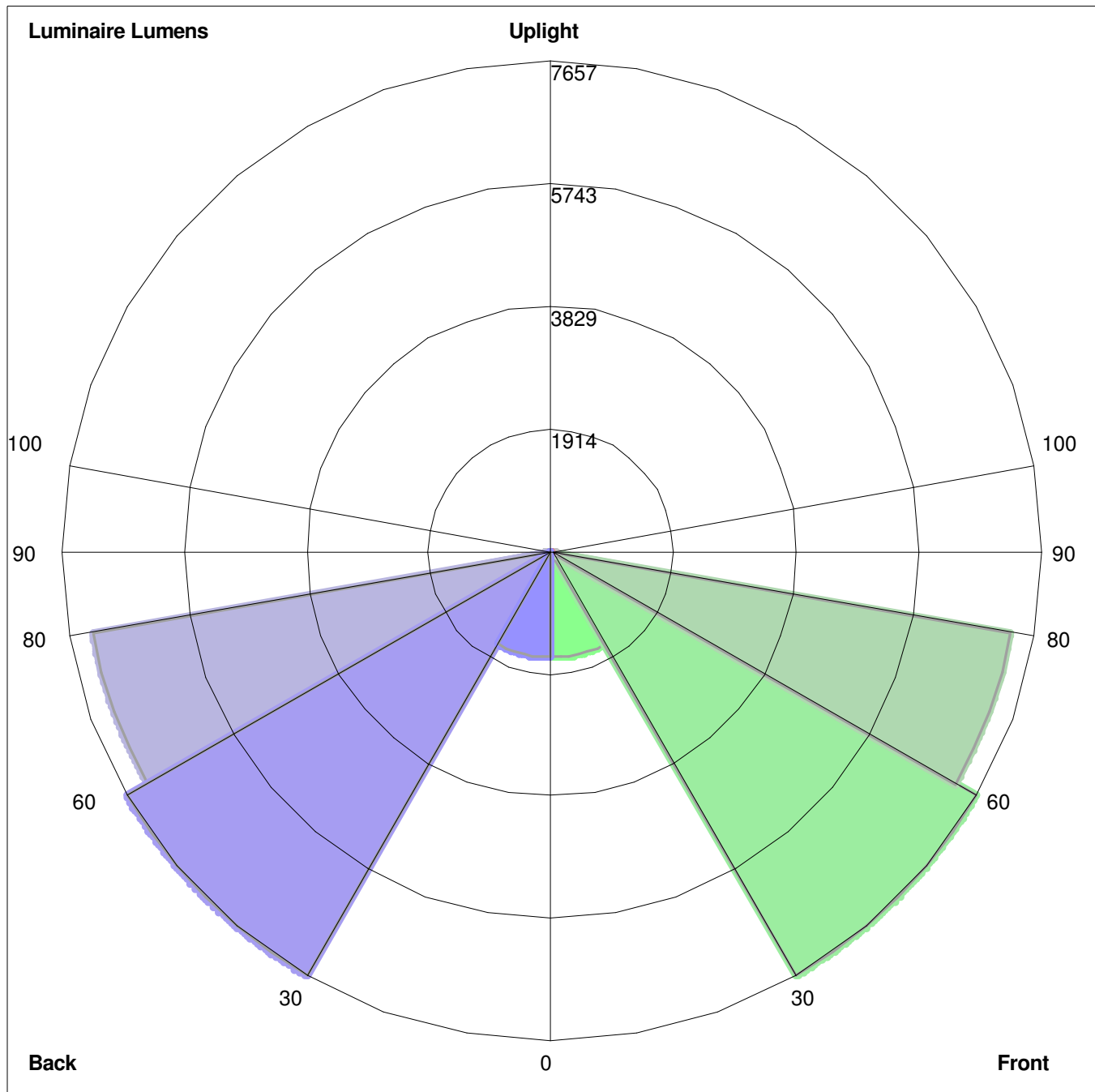


Maximum Candela = 15953.283 Located At Horizontal Angle = 45, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1665.4, Medium= 7657.0, High=7279.5, Very High=82.9
Back: Low=1665.4, Medium= 7657.0, High=7279.5, Very High=82.9
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3