



IES ROAD REPORT

PHOTOMETRIC FILENAME : VA2-L380-750-T5-F-S-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL011774
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2023-01-18
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VA2-L380-750-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	41979
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	317
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	20069.334
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	20069.334
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	776.447 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VA2-L380-750-T5-F-S-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2095.1	N.A.	5.0
FM - Front-Medium (30-60)	9632.6	N.A.	22.9
FH - Front-High (60-80)	9157.6	N.A.	21.8
FVH - Front-Very High (80-90)	104.3	N.A.	0.2
BL - Back-Low (0-30)	2095.1	N.A.	5.0
BM - Back-Medium (30-60)	9632.6	N.A.	22.9
BH - Back-High (60-80)	9157.6	N.A.	21.8
BVH - Back-Very High (80-90)	104.3	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	41979.2	N.A.	100.0
BUG Rating	B5-U0-G4		

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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	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042
2.5	4403.910	4403.910	4406.943	4406.943	4405.427	4403.910	4403.910	4408.460	4409.976	4417.559
5.0	4434.240	4435.757	4438.790	4434.240	4431.207	4432.724	4429.691	4435.757	4438.790	4447.889
7.5	4488.834	4491.867	4491.867	4490.350	4487.317	4488.834	4485.801	4497.933	4500.966	4510.065
10.0	4554.043	4555.560	4555.560	4555.560	4554.043	4558.593	4560.109	4572.241	4575.274	4585.890
12.5	4628.352	4629.868	4628.352	4625.319	4626.835	4632.901	4637.451	4649.583	4655.649	4664.748
15.0	4714.792	4714.792	4705.693	4705.693	4708.726	4711.759	4717.825	4726.924	4732.990	4743.606
17.5	4820.947	4813.365	4799.716	4798.200	4798.200	4798.200	4799.716	4808.815	4814.881	4822.464
20.0	4936.201	4922.552	4902.838	4902.838	4899.805	4896.772	4895.255	4901.321	4901.321	4910.420
22.5	5060.554	5042.356	5027.191	5019.608	5013.542	5012.026	4999.894	5005.960	5002.927	5007.476
25.0	5194.006	5178.841	5165.192	5157.610	5148.511	5139.412	5125.763	5127.280	5121.214	5122.730
27.5	5357.787	5338.073	5324.424	5316.842	5300.160	5295.611	5278.929	5277.413	5265.281	5274.380
30.0	5550.383	5529.152	5517.020	5506.404	5492.756	5483.657	5463.942	5463.942	5448.777	5457.876
32.5	5758.143	5738.428	5726.296	5729.329	5709.615	5718.714	5700.516	5697.483	5677.768	5680.801
35.0	6028.079	6005.332	5987.134	5996.233	5990.167	5996.233	5984.101	5987.134	5965.903	5982.584
37.5	6349.577	6328.346	6314.698	6334.412	6320.764	6349.577	6335.929	6348.061	6329.863	6354.126
40.0	6713.537	6690.789	6677.141	6705.954	6724.152	6759.031	6766.614	6787.845	6775.713	6806.043
42.5	7063.848	7053.232	7051.716	7103.276	7148.771	7215.497	7256.443	7289.806	7291.322	7330.751
45.0	7427.807	7421.741	7441.456	7506.665	7577.940	7697.744	7743.239	7811.481	7832.712	7866.075
47.5	7811.481	7820.580	7852.426	7935.834	8040.472	8178.474	8239.133	8333.156	8363.486	8410.498
50.0	8292.211	8308.892	8343.772	8448.410	8590.961	8777.490	8851.799	8950.371	8965.536	9012.547
52.5	8886.678	8903.360	8947.338	9105.054	9302.199	9552.421	9652.510	9702.554	9714.686	9757.148
55.0	9593.366	9617.630	9701.038	9937.611	10242.427	10565.441	10723.157	10764.103	10750.454	10814.147
57.5	10330.384	10377.396	10538.144	10902.104	11394.966	11854.465	12101.654	12081.939	12107.720	12139.566
60.0	11068.919	11125.029	11423.779	11987.916	12696.121	13361.864	13780.417	13784.967	13809.231	13798.615
62.5	11407.098	11493.538	12001.565	12724.934	13730.373	14790.405	15556.236	15795.843	15853.470	15826.173
65.0	10829.312	10974.896	11695.232	12680.956	14035.189	15491.027	16845.259	17614.124	18041.776	18225.273
67.0	9494.794	9664.642	10448.671	111713.430	13243.577	15019.396	16924.117	18372.373	19248.909	19852.475
67.5	9001.932	9177.846	9955.809	11291.844	12843.221	14703.964	16740.621	18395.120	19396.009	20069.334
70.0	5521.569	5688.384	6410.237	7740.206	9290.067	11457.142	14054.903	16639.016	18373.889	19174.600
72.5	2427.913	2509.804	2898.028	3475.813	4344.767	6028.079	8384.717	11172.041	13126.806	14121.629
75.0	1085.813	1108.560	1199.550	1328.452	1533.179	2013.909	2898.028	4578.307	6123.619	7062.331
77.5	617.215	621.764	690.007	743.084	818.909	908.382	1025.153	1285.990	1737.907	2050.305
80.0	397.322	394.289	417.037	467.081	527.741	571.720	612.665	665.743	737.018	776.447
82.5	238.090	235.057	242.640	263.871	312.399	336.663	354.861	374.575	394.289	392.773
85.0	80.374	87.957	97.056	109.188	141.034	147.100	154.683	157.716	147.100	139.518
87.5	9.099	10.615	15.165	16.681	22.747	24.264	25.780	27.297	25.780	22.747
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

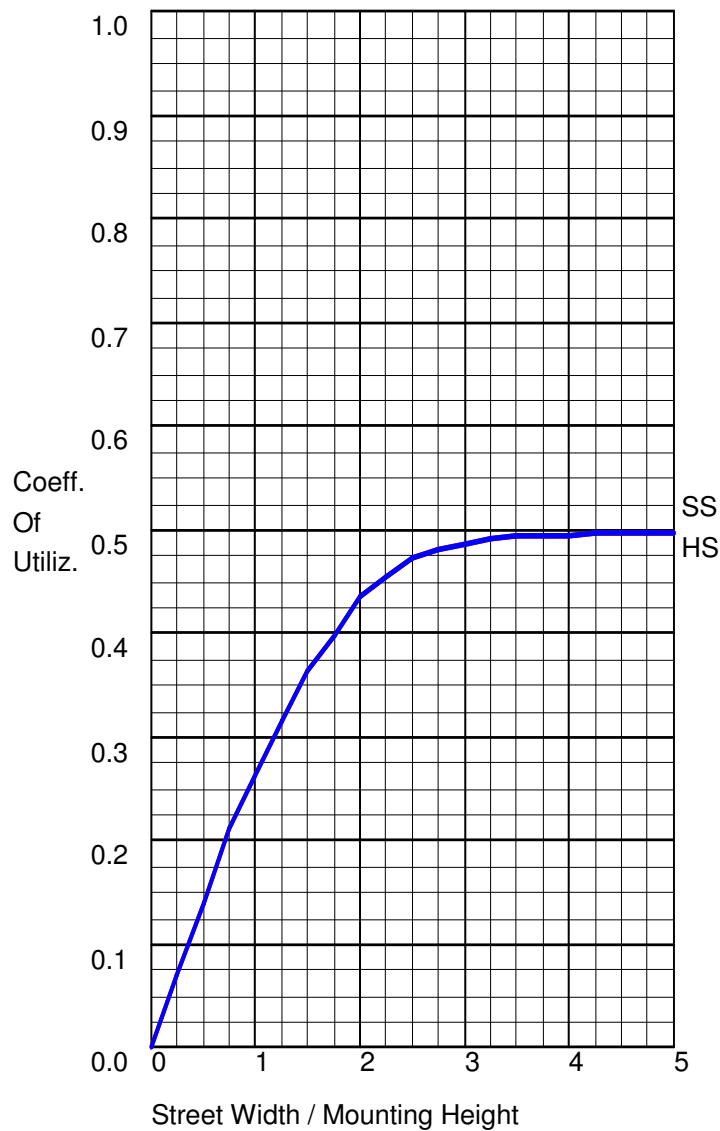
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0.0	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	4416.042	
2.5	4419.075	4422.108	4426.658	4431.207	4432.724	4435.757	4440.306	4438.790	4446.372	
5.0	4450.922	4452.438	4463.054	4469.120	4470.636	4475.186	4481.252	4479.735	4484.284	
7.5	4516.131	4520.680	4528.263	4537.362	4543.428	4547.977	4557.076	4554.043	4557.076	
10.0	4593.472	4599.538	4607.121	4616.220	4625.319	4628.352	4640.484	4640.484	4638.967	
12.5	4672.330	4681.429	4687.495	4695.078	4704.177	4711.759	4720.858	4725.408	4720.858	
15.0	4749.672	4757.254	4764.837	4772.419	4783.035	4792.134	4804.266	4813.365	4805.782	
17.5	4827.013	4834.596	4846.728	4855.826	4867.958	4878.574	4895.255	4907.387	4898.288	
20.0	4914.970	4921.036	4931.651	4948.333	4963.498	4977.146	4996.861	5013.542	5008.993	
22.5	5015.059	5021.125	5033.257	5046.905	5068.136	5087.851	5110.598	5133.346	5133.346	
25.0	5131.829	5136.379	5151.544	5166.709	5192.489	5213.720	5245.566	5266.797	5268.314	

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CANDELA TABULATION - (Cont.)

27.5	5274.380	5284.995	5298.644	5316.842	5344.139	5365.370	5391.150	5409.348	5421.480
30.0	5459.393	5466.975	5483.657	5498.822	5532.185	5551.899	5577.680	5585.262	5604.976
32.5	5691.417	5700.516	5723.263	5736.912	5765.725	5776.341	5797.572	5799.088	5820.319
35.0	5984.101	5999.266	6018.980	6026.563	6050.827	6055.376	6076.607	6072.058	6091.772
37.5	6351.093	6366.258	6382.940	6389.006	6410.237	6402.654	6407.204	6405.687	6419.336
40.0	6807.559	6798.460	6828.790	6824.241	6831.823	6792.394	6774.196	6768.130	6777.229
42.5	7317.103	7309.520	7327.718	7303.454	7262.509	7192.750	7151.804	7141.189	7150.288
45.0	7847.877	7828.163	7822.097	7770.536	7691.678	7597.655	7544.577	7532.445	7535.478
47.5	8387.750	8352.871	8321.024	8264.914	8155.726	8043.505	7979.812	7963.131	7958.581
50.0	8991.316	8964.019	8929.140	8888.195	8730.479	8586.412	8504.521	8480.257	8478.740
52.5	9772.313	9805.676	9761.697	9666.158	9458.398	9252.154	9139.933	9095.955	9074.724
55.0	10908.170	10936.983	10873.290	10676.146	10398.627	10071.063	9886.050	9810.225	9796.577
57.5	12304.865	12333.678	12259.370	11971.235	11563.297	11070.435	10802.015	10664.014	10639.750
60.0	13962.397	14004.859	13926.001	13587.822	13014.586	12304.865	11828.684	11589.077	11457.142
62.5	15992.988	16039.999	15945.976	15368.190	14456.775	13471.051	12715.835	12271.502	12088.005
65.0	18445.165	18284.416	17750.609	16496.465	15022.429	13668.196	12618.780	11837.783	11675.518
67.0	19875.222	19268.623	17949.270	16041.516	14161.058	12562.669	11313.075	10365.264	10253.043
67.5	20040.521	19288.338	17773.356	15691.204	13734.922	12092.555	10792.916	9825.390	9731.367
70.0	18655.958	17248.648	14951.153	12321.546	10149.921	8234.584	6871.252	6046.277	5961.354
72.5	13609.053	11751.343	9055.009	6317.731	4514.614	3504.627	3008.732	2716.048	2688.751
75.0	6343.511	4558.593	2931.391	2103.383	1724.258	1472.520	1351.200	1296.606	1275.375
77.5	1701.511	1290.540	1111.593	991.790	909.899	840.140	776.447	737.018	730.952
80.0	743.084	691.523	662.710	621.764	588.401	539.873	465.565	453.433	454.949
82.5	404.905	394.289	389.740	373.059	347.278	301.783	268.420	268.420	274.486
85.0	141.034	160.749	156.199	151.650	144.067	116.770	106.155	107.671	104.638
87.5	24.264	25.780	21.231	21.231	21.231	18.198	15.165	15.165	13.648
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

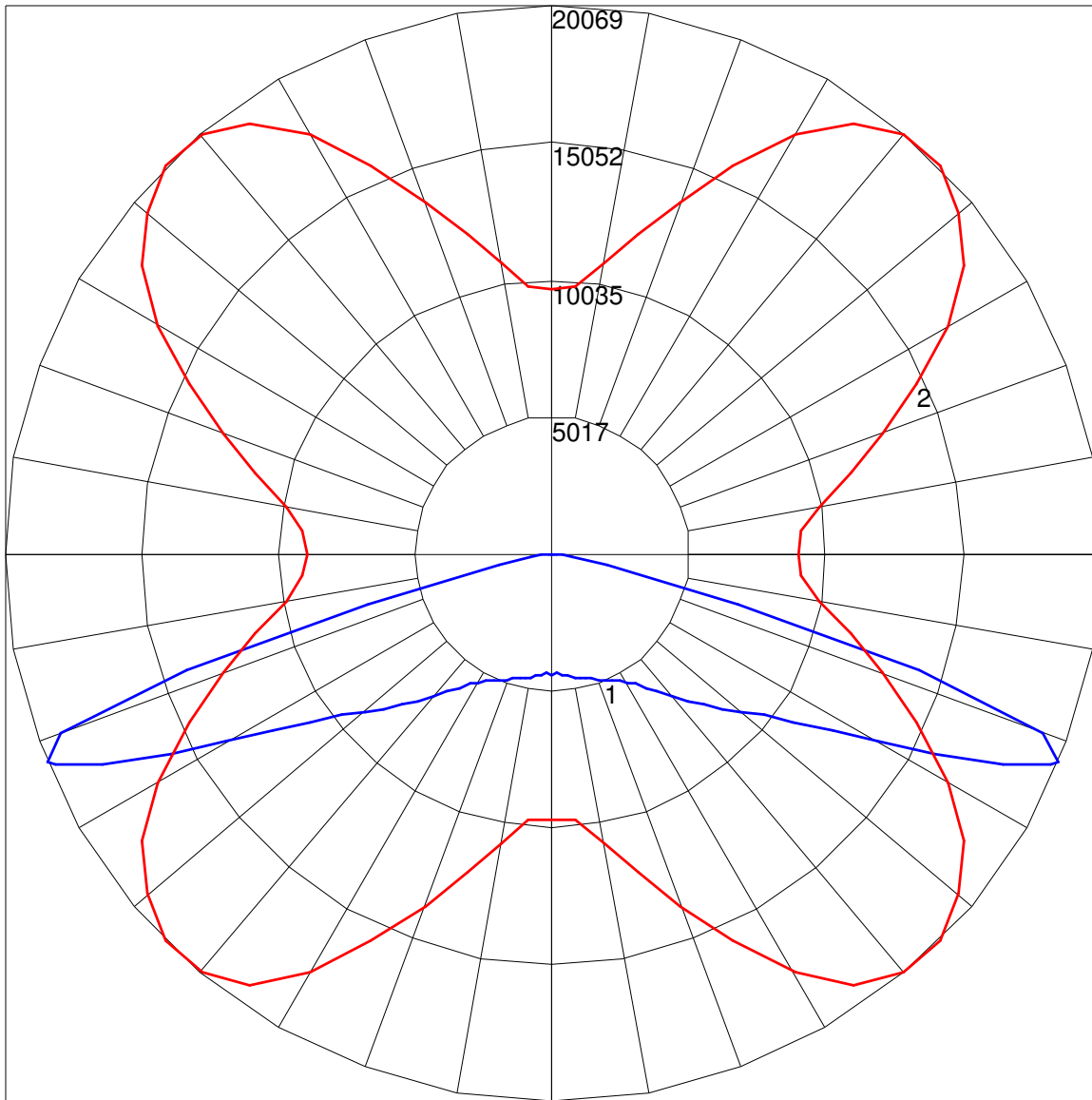
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

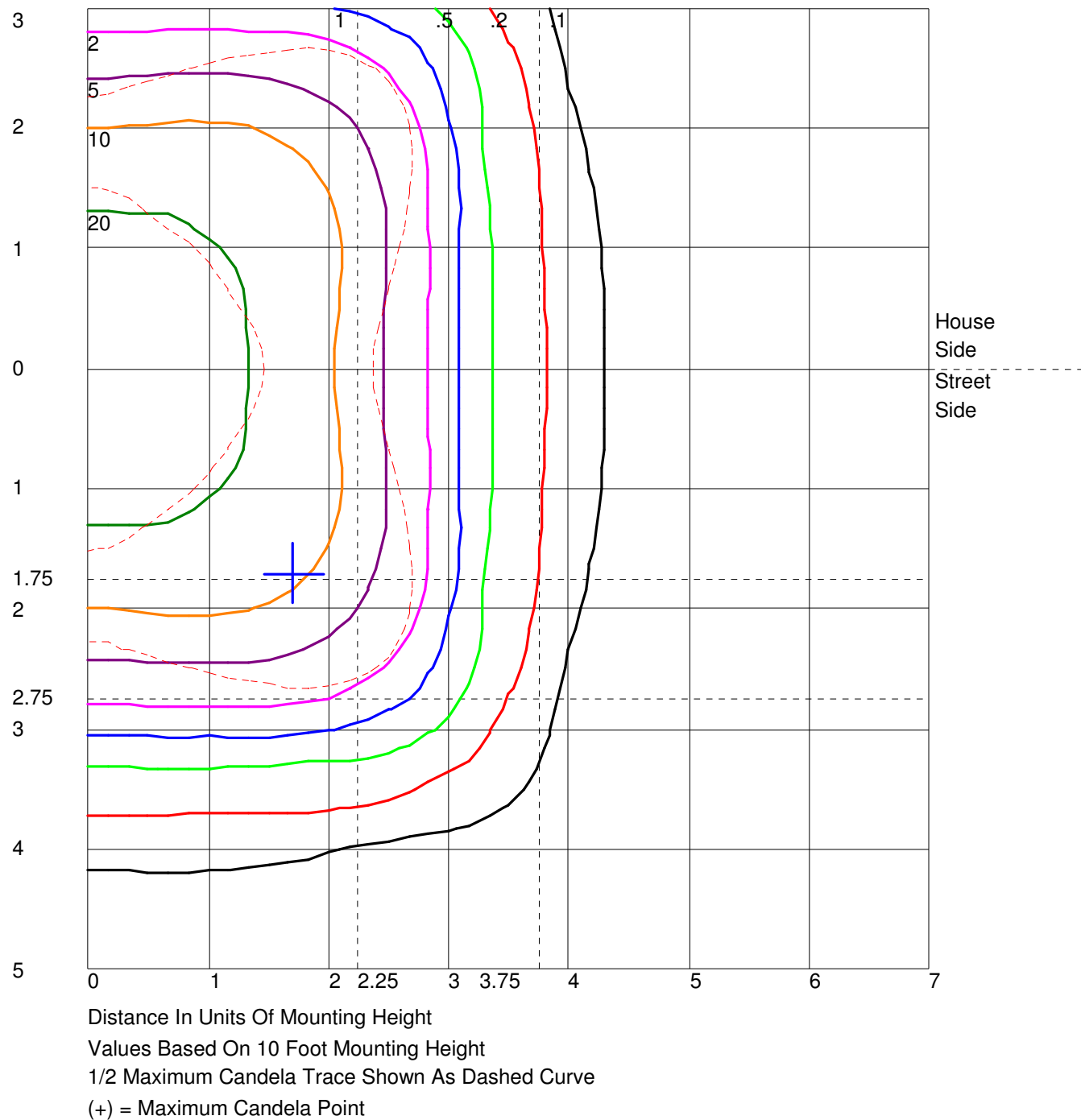
	Lumens	Percent Of Luminaire
Downward Street Side	20989.6	50.0
Downward House Side	20989.6	50.0
Downward Total	41979.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41979.0	100.0

POLAR GRAPH

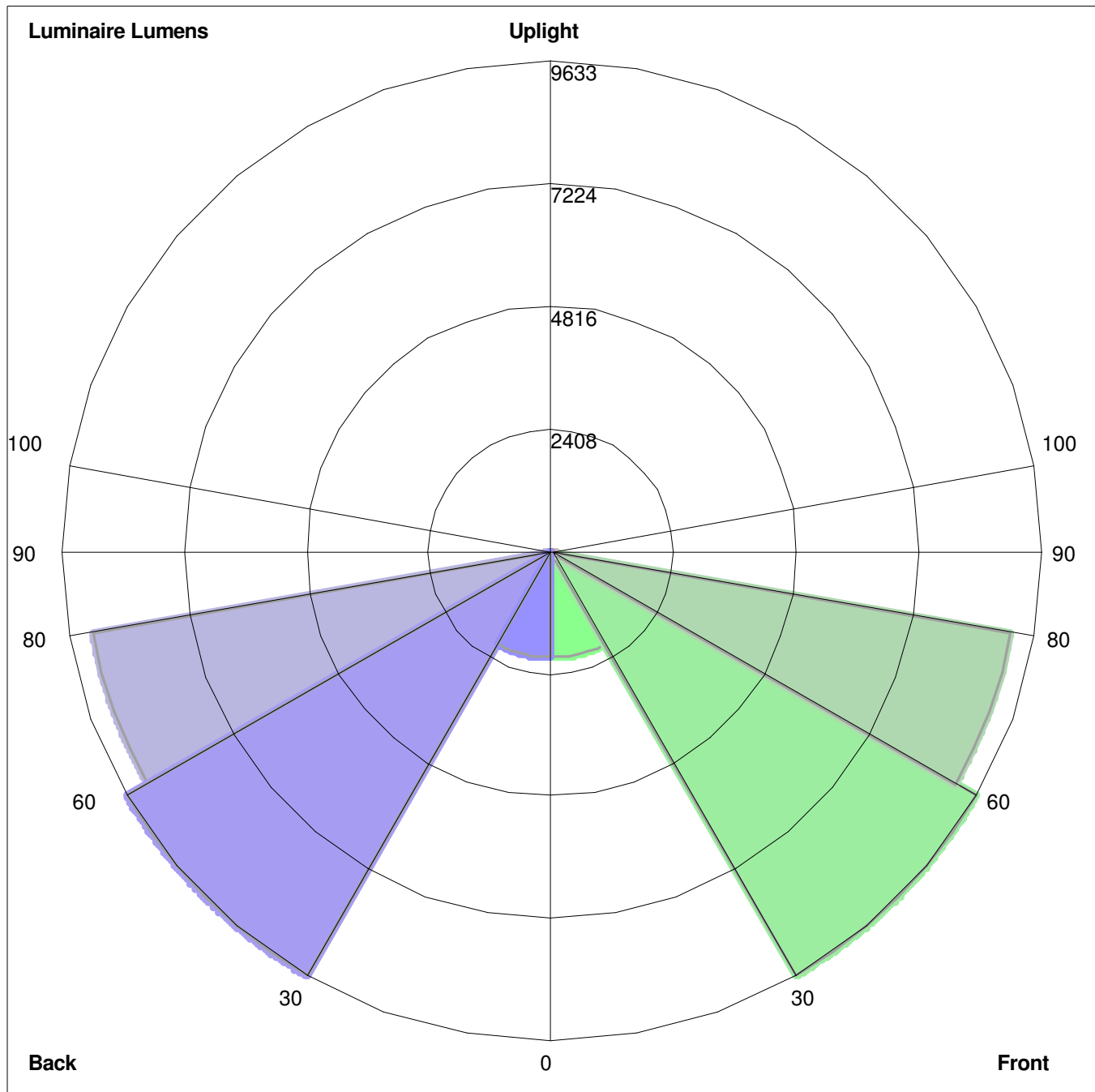


Maximum Candela = 20069.334 Located At Horizontal Angle = 45, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2095.1, Medium=9632.6, High=9157.6, Very High=104.3
Back: Low=2095.1, Medium=9632.6, High=9157.6, Very High=104.3
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4