



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF2-L106-740-NS_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from ATAL009599-R2
 [TESTLAB]ATAL-LABS
 [ISSUE DATE] 15 DEC 2022
 [MANUFACTURER]WILLIAMS OUTDOOR
 [OTHER]H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMEN CATEGORY]VF2-L106-740-NS-MTG-CLR-OPT-DIM-UNV
 [LUMINAIRE]VOLTAIRE MEDIUM ARCHITECTURAL FLOOD LIGHT WITH
 [MORE]NARROW SPOT MOLDED REFRACTIVE CLEAR ACRYLIC LENS AND A CLEAR
 [MORE]GLASS LENS.
 [LAMP CATEGORY]LUXEON TX 4000K LEDS
 [BALLAST](1) PHILIPS ELECTRONIC DRIVER
 [OTHER]INPUT WATTS: 98, VAC: 120.05, TEMP: 24.9 C
 [SEARCH_SOURCE TYPE] LED
 [SEARCH_APPLICATION] Outdoor, Architectural, Facade, Landscape, Parking, Site, Flood, Wet Location
 [SEARCH_MOUNTING] Arm, Ground, Pole, Post Top, Wall
 [SEARCH_CERTIFICATION] DLC
 [SEARCH_CLASSIFICATION] IP66

Note: Candela values converted from Type-B to Type-C

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9463
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	98
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.69 ft (Diameter)
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13640	14207	13598
55	17860	18934	15353
65	36856	34753	31894
75	24998	26689	19211
85	0	11270	4812

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>	
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126										
2.5	52749.51252730.53752716.03152706.02252700.52852699.56152703.12252711.20652723.79852740.874										
5.0	48819.27848983.87149161.87949347.38949534.55749668.46449384.38249227.33649103.57349016.414										
7.5	40776.30940602.00540498.36940466.62840297.33540182.59140138.84240165.78040521.22440364.563										
10.0	27985.21127734.90827584.82327419.60727294.91827255.84627297.69527415.81227217.38627057.166										
12.5	16396.13916197.76016127.06716017.86316026.14316101.11216139.12616074.24816034.04816008.386										
15.0	9487.984 9514.023 9504.033 9438.952 9429.923 9449.007 9452.639 9477.969 9561.188 9560.520										
17.5	6151.059 6166.346 6112.356 6035.015 5979.739 5923.110 5906.773 5951.334 5993.256 6043.426										
20.0	4060.863 4066.972 4024.015 3982.083 3953.741 3966.656 3982.217 3984.802 4009.239 4024.751										
22.5	2775.256 2775.333 2774.680 2788.363 2796.137 2813.778 2825.344 2834.800 2839.300 2838.223										
25.0	2030.776 2031.784 2031.588 2039.755 2038.021 2042.375 2044.731 2051.681 2057.828 2064.345										
27.5	1491.914 1489.795 1493.888 1496.573 1492.462 1490.439 1490.853 1489.561 1496.824 1490.538										
30.0	1080.530 1077.559 1082.905 1079.780 1072.203 1069.921 1065.123 1062.700 1075.339 1091.424										
32.5	783.255 783.444 791.547 789.482 789.250 797.712 799.237 800.608 806.837 804.106										
35.0	625.455 624.647 628.431 619.173 613.888 613.404 606.673 605.877 607.256 607.297										
37.5	502.524 501.752 505.641 498.740 497.702 499.464 501.409 506.603 510.415 512.714										
40.0	432.212 431.612 432.151 427.886 426.848 426.905 427.963 430.141 431.342 430.419										
42.5	361.900 361.945 362.444 363.948 366.355 369.565 373.517 377.364 380.174 381.309										
45.0	332.948 332.863 332.846 333.359 334.381 335.763 337.552 338.349 338.088 337.869										
47.5	303.996 304.306 305.196 306.607 308.484 310.773 313.420 314.506 315.273 316.510										
50.0	320.540 320.616 322.240 323.589 323.930 323.402 322.105 317.601 311.232 302.399										
52.5	337.084 337.561 341.689 345.866 348.630 351.395 353.813 353.682 352.870 350.408										
55.0	353.628 354.636 361.491 368.681 373.886 380.768 387.240 392.144 398.408 401.727										
57.5	399.641 400.390 404.284 407.925 404.822 409.386 419.502 423.739 437.093 449.325										
60.0	445.654 446.255 447.804 448.203 434.521 436.747 451.565 443.249 454.246 460.374										
62.5	491.667 491.956 491.093 487.901 461.967 463.175 479.537 463.691 468.180 468.119										
65.0	537.680 537.509 534.175 527.087 488.414 492.940 503.691 481.961 479.673 473.519										
67.5	459.096 459.404 459.960 458.411 433.091 445.019 455.473 446.903 450.574 452.208										
70.0	380.512 380.368 381.674 381.234 364.626 374.969 378.682 374.872 376.910 378.144										
72.5	301.928 301.427 303.370 303.339 296.012 303.272 303.716 302.089 303.499 303.879										
75.0	223.344 222.564 225.052 226.821 227.271 230.187 230.294 228.676 230.299 229.449										
77.5	167.508 167.638 170.988 172.560 173.139 174.682 174.072 171.665 171.906 169.186										
80.0	111.672 112.832 117.522 119.456 120.422 122.084 121.958 120.697 121.244 120.405										
82.5	55.836 58.015 64.095 66.376 67.711 69.512 69.944 69.899 70.909 71.976										
85.0	0.000 3.186 10.686 13.311 14.997 16.955 17.997 19.150 20.782 23.782										
87.5	0.000 1.550 5.182 6.257 6.820 7.414 7.493 7.589 7.878 8.944										
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>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>	
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126										
2.5	52773.34052662.92852612.49452565.81252563.21052478.48552424.34152376.89052336.25152302.512										
5.0	48968.90148963.76549003.39949089.84149452.88649396.34449038.85348823.96248652.07348523.654										
7.5	40251.59040020.56439861.31939774.61039761.00539795.29639792.89740018.76939662.25339855.050										
10.0	27283.06826881.65326918.47726939.59826971.19127011.67827057.33227105.39927330.48227017.485										
12.5	16000.76616006.63216130.05416340.55216478.20016509.41916484.93916400.41016273.13616241.785										
15.0	9608.225 9653.962 9711.689 9712.592 9786.156 9870.734 9844.599 9838.298 9863.012 9860.922										
17.5	6071.078 6057.223 6028.796 6025.924 6092.624 6117.979 6106.728 6137.822 6100.467 6085.164										
20.0	4026.235 4039.460 4005.348 4004.908 4010.265 4030.439 4011.038 3990.401 4013.380 4012.868										
22.5	2834.158 2827.998 2822.785 2826.773 2845.427 2847.450 2835.174 2805.496 2833.779 2842.809										
25.0	2067.103 2069.281 2083.759 2091.442 2091.208 2082.951 2079.113 2088.138 2095.703 2102.966										
27.5	1501.040 1511.150 1520.679 1527.495 1528.317 1524.762 1533.829 1540.202 1539.870 1540.742										
30.0	1091.290 1093.964 1098.358 1093.693 1088.787 1102.546 1108.211 1105.809 1110.227 1117.955										

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CANDELA TABULATION - (Cont.)

70.0	372.042	370.946	366.318	362.565	358.151	354.305	350.074	341.487	329.427	323.391
72.5	301.237	295.269	290.451	286.328	283.550	280.951	276.350	271.438	266.219	260.786
75.0	227.573	222.930	216.696	212.371	212.426	211.542	208.055	201.438	196.558	200.899
77.5	157.887	156.494	153.469	149.614	149.069	147.954	146.891	142.348	142.114	144.363
80.0	91.087	93.430	94.292	95.875	98.422	98.959	96.932	93.082	96.044	97.750
82.5	60.803	58.367	55.122	53.536	52.568	55.622	57.922	59.111	59.959	59.118
85.0	35.092	35.306	34.947	35.165	35.290	35.098	34.486	33.630	32.206	32.385
87.5	13.379	14.689	16.185	17.293	18.612	19.742	20.677	21.379	21.733	21.583
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126									
2.5	52151.60752125.73852104.10452086.75952073.74852065.10852060.86851988.80251921.41651858.958									
5.0	48271.46148357.33548282.47448223.40748180.80848154.70948145.11048011.32647894.04647793.282									
7.5	38670.58338442.83938290.17538203.46238013.64537896.63337852.15737667.24537553.78237500.488									
10.0	26062.53326033.97325963.81925887.89925837.10525715.79425683.52725523.54825450.51425317.122									
12.5	16060.22716001.23115944.34815876.02215837.68815762.85315745.23615669.00115648.04215592.240									
15.0	9850.714 9792.554 9735.159 9690.058 9625.729 9579.350 9554.160 9518.318 9507.422 9517.078									
17.5	6287.534 6335.527 6302.844 6317.727 6327.609 6331.056 6324.771 6291.949 6256.854 6220.940									
20.0	4231.105 4203.654 4229.544 4257.555 4291.311 4314.669 4311.091 4272.330 4231.918 4195.904									
22.5	3059.767 3056.796 3049.769 3042.173 3035.447 3034.984 3035.824 3033.649 3036.178 3039.258									
25.0	2238.914 2238.963 2239.244 2238.473 2239.639 2240.932 2243.091 2244.241 2242.671 2241.833									
27.5	1621.726 1624.869 1626.223 1627.587 1628.877 1630.493 1633.129 1635.058 1634.289 1634.583									
30.0	1122.015 1125.052 1129.038 1133.066 1135.360 1136.110 1153.427 1142.076 1144.030 1144.418									
32.5	811.618 799.623 784.390 770.531 758.416 751.659 800.575 758.242 768.794 784.078									
35.0	586.065 584.855 582.380 580.558 578.406 579.293 620.630 583.374 585.950 590.754									
37.5	491.506 488.255 480.398 473.443 466.855 465.138 483.912 465.212 469.294 476.670									
40.0	424.568 420.919 417.818 415.236 413.875 414.508 423.940 414.508 415.942 417.952									
42.5	377.972 373.992 369.036 366.498 364.653 364.362 363.968 364.960 366.721 368.904									
45.0	337.107 336.895 334.766 333.093 332.477 332.087 331.914 332.613 333.580 335.161									
47.5	312.400 310.366 307.969 303.932 301.811 300.605 299.860 300.623 302.806 306.000									
50.0	293.879 301.499 305.233 304.546 302.793 302.529 301.239 301.874 303.567 305.027									
52.5	321.249 323.148 320.858 315.409 309.445 305.641 302.617 304.282 308.288 312.796									
55.0	356.690 351.261 341.914 329.504 317.617 309.202 303.996 307.155 314.020 322.867									
57.5	401.375 385.350 369.299 358.388 351.300 347.519 344.322 345.581 347.164 350.220									
60.0	421.856 404.102 393.562 388.797 386.543 386.625 384.648 384.232 382.407 381.273									
62.5	423.552 413.598 411.178 415.503 420.291 425.328 424.974 422.053 415.112 406.365									
65.0	410.289 410.455 419.112 435.560 451.681 462.819 465.300 458.708 444.263 424.938									
67.5	379.412 389.430 401.763 399.567 397.527 393.674 391.886 390.517 391.853 390.617									
70.0	326.864 329.873 331.345 328.052 325.149 320.788 318.472 318.658 321.141 321.532									
72.5	261.916 263.336 263.021 259.176 253.929 247.561 245.058 246.455 250.642 255.019									
75.0	201.655 201.072 198.371 192.720 183.304 175.175 171.644 175.331 182.484 189.268									
77.5	145.639 143.595 140.190 135.462 135.128 133.445 132.352 134.942 135.017 134.163									
80.0	97.229 93.936 93.745 100.099 99.563 96.135 93.060 96.135 98.106 98.893									
82.5	58.253 57.865 62.410 65.987 65.918 59.317 53.768 58.535 65.825 65.465									
85.0	32.153 33.352 36.545 39.209 38.635 26.856 14.476 26.178 38.431 39.306									
87.5	20.677 20.496 20.525 22.214 22.172 16.083 7.238 16.083 22.274 22.424									
90.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126									
2.5	51801.66651749.76551703.46451662.96051628.43051571.54651570.47651540.22951514.34051492.723									

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CANDELA TABULATION - (Cont.)

5.0	47709.00947593.88447428.95747290.16147179.25947004.18946969.76546824.44746718.58646653.574
7.5	37349.95737247.92937149.79237088.58237213.42936917.38036756.42936591.54136488.77336422.623
10.0	25208.29025100.64524961.55024868.44124699.85324570.52624604.76624320.89424292.05324225.122
12.5	15564.51115527.55415485.75715431.36715353.98915263.09415150.64015172.70815012.41115011.072
15.0	9516.732 9530.647 9533.622 9553.242 9557.575 9543.685 9492.144 9416.786 9336.453 9362.876
17.5	6182.413 6166.776 6109.750 6120.686 6132.659 6128.243 6101.147 6056.755 6042.696 5995.400
20.0	4165.668 4129.153 4138.999 4145.247 4140.009 4122.550 4092.961 4055.733 4004.346 3979.806
22.5	3040.785 3035.849 3026.234 3009.625 2986.966 2960.918 2932.565 2900.991 2881.967 2883.692
25.0	2240.045 2236.124 2231.514 2222.266 2214.926 2199.656 2187.452 2182.256 2174.703 2165.850
27.5	1633.316 1632.502 1629.660 1627.259 1620.804 1623.372 1626.728 1625.191 1617.954 1607.317
30.0	1145.829 1144.278 1149.123 1165.779 1179.978 1188.235 1189.894 1178.139 1170.308 1170.173
32.5	801.478 819.248 836.215 847.250 854.369 849.587 846.267 861.067 861.597 854.513
35.0	594.112 599.287 601.182 602.238 603.655 576.990 613.738 628.443 617.575 619.726
37.5	484.695 494.026 501.916 509.701 468.964 461.280 464.602 479.338 497.992 506.958
40.0	419.886 422.621 426.272 426.616 424.199 422.991 423.990 424.343 425.398 425.892
42.5	371.012 374.502 378.702 379.809 381.249 380.837 379.137 379.132 379.657 379.890
45.0	335.954 336.895 336.926 337.327 340.951 342.431 342.650 341.882 340.357 341.234
47.5	308.248 310.154 310.863 312.153 312.268 310.969 312.101 313.455 313.399 312.700
50.0	303.608 298.801 291.319 289.686 291.605 296.179 298.189 293.117 293.852 294.181
52.5	316.579 316.241 313.648 305.291 295.457 293.911 302.612 305.171 296.337 295.773
55.0	333.230 339.774 343.722 341.509 338.706 336.088 334.469 337.047 338.030 328.962
57.5	356.905 369.653 382.079 387.669 390.610 391.216 389.352 389.513 392.452 389.678
60.0	380.718 388.195 402.077 426.595 446.674 444.719 435.383 432.210 439.651 448.514
62.5	398.637 398.163 406.268 426.060 455.882 478.692 460.385 453.036 457.077 471.588
65.0	407.422 396.793 397.145 410.792 423.394 437.330 452.355 444.664 449.221 452.115
67.5	391.915 379.604 369.725 369.645 375.826 386.208 397.481 409.880 402.208 404.703
70.0	323.238 322.703 318.725 314.614 319.152 328.024 334.553 338.323 341.805 346.471
72.5	257.756 257.805 255.114 253.314 257.780 262.101 266.397 270.560 273.158 276.320
75.0	195.713 196.583 196.753 195.958 192.848 197.100 202.744 206.029 207.356 208.152
77.5	137.741 141.080 142.501 142.408 140.791 140.871 144.996 146.450 148.117 149.188
80.0	92.969 92.478 96.768 97.654 96.139 93.231 97.221 99.653 99.729 97.957
82.5	61.963 58.593 59.557 60.304 60.936 60.298 59.628 58.080 55.762 56.847
85.0	37.599 34.577 32.957 33.134 33.287 34.937 35.935 36.629 36.856 36.732
87.5	20.525 20.496 20.696 21.763 21.975 21.617 20.865 19.847 18.577 17.293
90.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

Vert. Horizontal Angles

Angles	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126									
2.5	51475.30651462.02651452.83551447.69551446.58451449.49351380.63851452.67951456.10351442.232									
5.0	46630.56146602.05046486.57746405.42846358.76746346.67546369.14846449.35046308.53746162.780									
7.5	36289.37136212.96636192.93936189.61436160.48936392.11936012.90635688.05135634.66735476.370									
10.0	24162.38824090.85423995.17923885.34423949.86023790.62923767.84023722.15323656.81123576.241									
12.5	14996.45114962.12314879.45214745.54914442.72714689.09714720.79814709.91314659.89914517.258									
15.0	9353.120 9332.485 9303.373 9237.500 9179.934 9111.674 9094.351 9110.019 9046.548 8998.495									
17.5	5981.205 5923.554 5881.072 5862.920 5863.210 5824.432 5831.506 5836.830 5820.118 5774.932									
20.0	4001.333 3985.192 3944.127 3947.782 3927.822 3868.733 3879.157 3891.384 3867.285 3837.664									
22.5	2874.448 2861.511 2820.752 2838.543 2828.170 2791.174 2797.675 2786.936 2773.348 2754.332									
25.0	2149.925 2161.871 2144.456 2135.361 2123.011 2109.115 2093.405 2088.768 2083.488 2077.964									
27.5	1599.909 1601.814 1598.796 1588.968 1583.460 1575.366 1562.311 1536.623 1541.076 1535.460									
30.0	1172.857 1162.978 1155.986 1158.133 1149.453 1143.811 1140.957 1128.645 1106.467 1100.438									
32.5	854.872 857.816 854.062 849.621 847.503 842.672 837.714 836.761 833.085 821.536									
35.0	641.844 646.017 637.588 627.697 640.317 650.120 648.162 635.834 634.641 636.450									
37.5	502.848 487.298 495.309 500.220 492.855 507.397 520.774 520.091 508.347 490.280									
40.0	424.994 425.133 425.528 426.621 428.035 429.866 434.420 436.074 434.693 431.890									

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

42.5	379.008	378.253	378.375	376.607	374.132	379.709	381.768	382.331	380.889	378.970
45.0	341.400	340.082	337.410	339.267	340.324	340.600	339.522	341.464	342.819	342.542
47.5	310.517	311.630	313.756	313.071	313.541	314.563	314.510	314.828	313.848	311.436
50.0	297.469	296.792	297.980	300.923	299.029	298.038	294.050	298.245	300.270	299.082
52.5	300.744	303.626	301.726	302.064	297.753	301.391	303.764	300.638	297.569	294.701
55.0	328.543	333.363	327.341	328.798	332.539	328.627	324.064	331.087	337.619	343.335
57.5	384.317	382.788	384.400	381.684	378.010	380.120	386.471	391.244	392.882	395.440
60.0	440.766	441.971	438.433	427.596	427.161	434.509	446.683	453.790	452.593	436.941
62.5	479.489	462.380	456.866	455.657	464.390	480.894	476.497	466.572	446.037	430.753
65.0	458.513	454.310	456.711	462.228	454.571	449.968	443.457	439.431	428.867	420.130
67.5	415.835	423.854	415.933	414.076	410.650	408.693	407.451	407.062	406.083	405.077
70.0	350.592	355.638	356.492	360.025	364.462	365.519	368.760	367.986	363.517	357.332
72.5	280.912	286.264	292.285	301.755	308.198	303.222	299.689	295.709	292.832	288.450
75.0	212.490	218.890	222.965	227.422	230.674	228.451	225.788	223.298	221.418	219.136
77.5	152.755	155.186	155.888	156.129	155.648	153.702	151.978	150.780	149.970	152.188
80.0	96.457	94.854	91.689	91.672	95.040	98.600	103.025	106.847	109.688	111.807
82.5	58.137	60.342	62.026	63.430	64.930	66.373	68.770	70.748	71.661	72.009
85.0	36.457	36.656	36.483	36.039	35.550	34.922	35.192	35.208	34.125	32.610
87.5	16.204	15.270	14.465	13.764	13.152	12.629	12.830	13.028	12.619	12.093
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>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	53650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.12653650.126									
2.5	51434.71851433.69151484.53851428.85651396.45351372.11051355.74451347.24951346.50051353.347									
5.0	46052.56345977.90145938.72145934.85745966.04646031.94546132.12446379.59545963.26845889.339									
7.5	35372.43335323.98935332.23135006.28935191.32035126.19035126.58435193.73235328.81135490.644									
10.0	23476.19523207.39323035.94122975.58722948.28422958.20822909.90122919.74022992.93323134.787									
12.5	14309.63014185.31314172.59314110.40414009.22413930.52513880.50713832.44013805.81713829.792									
15.0	8936.853 8962.543 8915.435 8873.197 8878.156 8744.383 8657.215 8594.589 8547.329 8530.321									
17.5	5779.730 5801.825 5815.561 5792.183 5747.657 5712.166 5596.041 5659.047 5691.753 5672.817									
20.0	3871.269 3910.790 3900.012 3899.158 3876.881 3830.249 3798.513 3755.379 3770.876 3779.436									
22.5	2748.554 2758.452 2767.217 2773.041 2777.740 2770.609 2750.284 2730.115 2703.121 2684.839									
25.0	2067.647 2042.378 2043.473 2037.993 2037.554 2042.175 2036.418 2031.761 2019.705 2011.609									
27.5	1531.018 1521.442 1511.364 1498.069 1498.498 1499.263 1506.652 1506.568 1506.329 1501.652									
30.0	1103.939 1109.536 1107.680 1103.832 1085.670 1072.714 1075.649 1085.485 1095.167 1095.919									
32.5	799.254 799.731 811.538 818.107 819.630 815.272 813.611 812.787 811.693 807.208									
35.0	633.483 618.495 616.514 616.494 617.825 618.354 619.135 622.457 626.086 628.643									
37.5	503.990 506.250 502.584 512.337 512.408 507.663 502.100 498.239 495.767 494.663									
40.0	433.169 434.857 429.972 428.351 428.963 426.155 424.276 423.523 423.567 424.365									
42.5	380.197 381.620 381.833 379.241 378.106 373.974 370.152 367.214 364.107 361.779									
45.0	341.515 339.879 338.373 335.574 335.425 334.759 333.122 332.195 330.607 329.427									
47.5	312.051 312.044 312.028 311.395 310.540 309.369 307.626 305.110 302.642 300.606									
50.0	296.030 293.465 290.271 291.614 297.704 300.221 301.895 301.718 300.237 298.482									
52.5	303.231 308.959 311.616 313.897 314.043 311.954 309.934 307.748 303.895 299.651									
55.0	346.584 346.465 343.519 339.383 333.817 325.967 319.089 314.452 308.257 301.213									
57.5	394.362 388.608 379.186 366.493 357.581 349.014 343.361 341.378 339.058 335.322									
60.0	421.517 407.224 395.496 386.174 382.117 378.062 375.846 374.652 374.527 372.460									
62.5	420.592 412.810 407.345 403.673 404.228 405.921 407.727 407.367 409.544 409.345									
65.0	415.748 414.400 415.886 418.561 424.286 431.629 438.400 440.243 444.148 446.007									
67.5	407.369 412.387 409.822 406.470 404.419 403.652 402.416 397.252 393.414 389.125									
70.0	352.239 348.000 344.966 342.275 340.349 339.406 338.088 334.085 329.739 324.611									
72.5	285.130 282.547 280.162 278.013 276.413 275.344 273.798 270.720 266.168 260.295									
75.0	217.533 216.713 215.401 213.694 212.590 211.434 209.537 207.183 202.678 195.988									
77.5	155.292 158.172 159.657 159.688 159.571 159.564 158.593 157.463 154.487 149.729									

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

80.0	113.089	114.166	114.607	114.010	112.391	111.836	110.918	109.892	107.666	104.292
82.5	71.404	70.617	69.703	68.577	65.437	64.283	63.270	62.287	60.773	58.769
85.0	30.072	27.376	24.897	23.294	18.617	16.783	15.638	14.656	12.408	12.408
87.5	11.032	9.981	9.126	8.936	6.954	6.505	6.423	6.354	6.300	6.257
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>175.0</u>	<u>177.5</u>	<u>180.0</u>
0.0	53650.126	53650.126	53650.126
2.5	51367.625	51389.150	51417.720
5.0	45814.987	45740.353	45665.578
7.5	35197.150	34982.038	34837.529
10.0	23280.050	23347.311	23499.719
12.5	13948.724	13936.721	14012.251
15.0	8454.515	8551.563	8609.084
17.5	5677.056	5698.011	5729.187
20.0	3785.244	3804.191	3831.315
22.5	2636.073	2662.327	2680.128
25.0	2006.037	2010.413	2014.921
27.5	1498.118	1498.035	1502.550
30.0	1096.286	1094.449	1098.108
32.5	802.899	797.707	798.248
35.0	630.271	628.443	628.902
37.5	495.786	491.645	492.184
40.0	426.111	425.379	423.940
42.5	360.221	357.764	355.696
45.0	328.800	328.105	325.710
47.5	299.082	297.792	295.724
50.0	296.633	295.006	291.588
52.5	295.697	292.283	287.452
55.0	295.020	289.619	283.316
57.5	332.188	329.104	325.193
60.0	370.784	368.933	367.070
62.5	409.208	408.705	408.947
65.0	448.756	448.756	450.824
67.5	386.631	384.789	385.165
70.0	322.343	320.319	319.506
72.5	258.041	255.880	253.847
75.0	192.324	191.114	188.188
77.5	148.117	145.367	142.175
80.0	102.961	99.357	96.162
82.5	57.830	53.337	50.149
85.0	12.369	7.218	4.136
87.5	6.223	3.620	2.068
90.0	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	6740.48	N.A.	71.20
0-30	7759.35	N.A.	82.00
0-40	8173.68	N.A.	86.40
0-60	8762.7	N.A.	92.60
0-80	9420.18	N.A.	99.50
0-90	9462.87	N.A.	100.00
10-90	5660.11	N.A.	59.80
20-40	1433.21	N.A.	15.10
20-50	1701.13	N.A.	18.00
40-70	1016.02	N.A.	10.70
60-80	657.48	N.A.	6.90
70-80	230.48	N.A.	2.40
80-90	42.69	N.A.	0.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9462.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3802.76
10-20	2937.71
20-30	1018.87
30-40	414.33
40-50	267.92
50-60	321.09
60-70	427.01
70-80	230.48
80-90	42.69
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

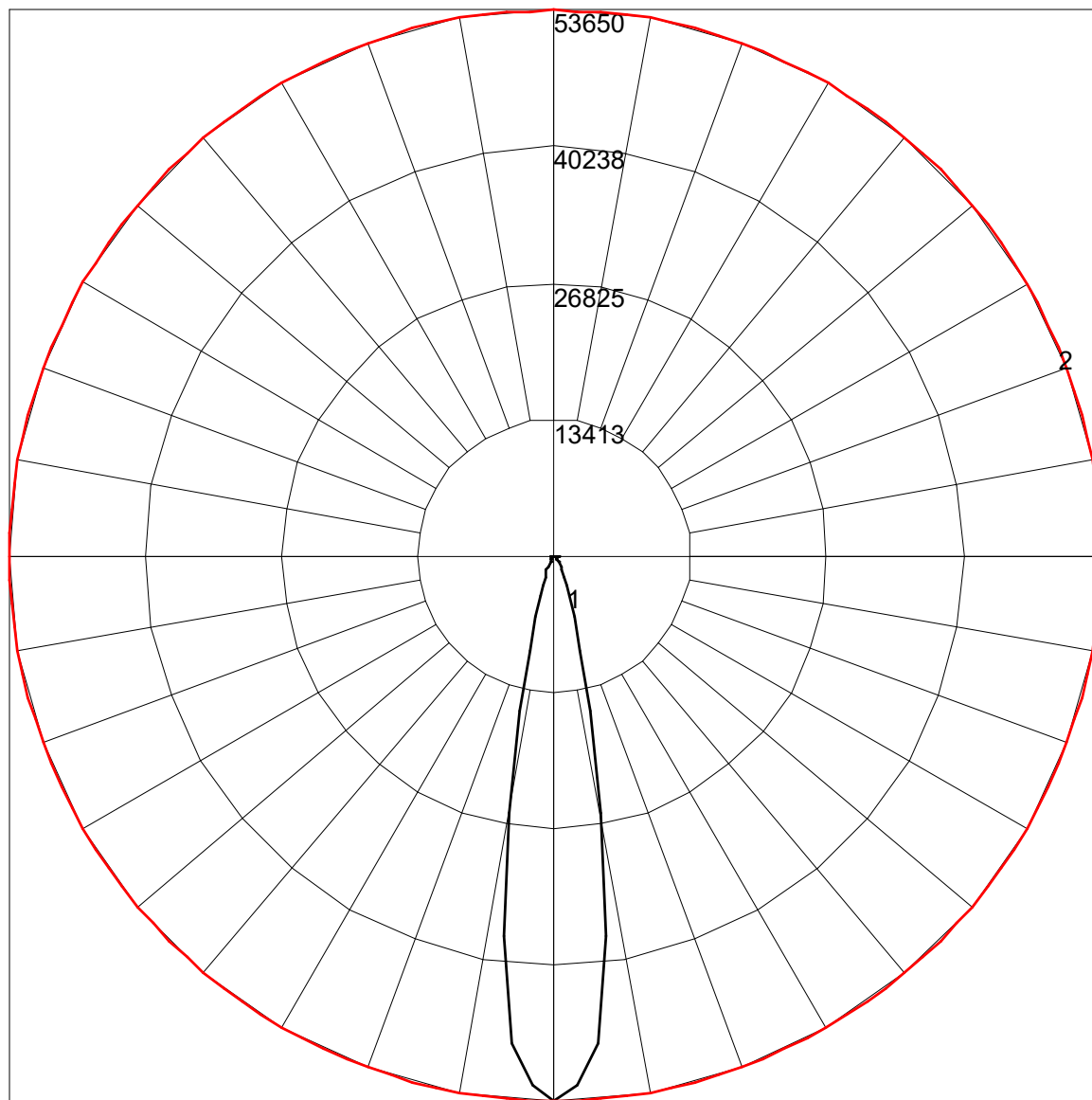
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L106-740-NS_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	215	215	215	215	210	210	210	210	201	201	201	192	192	192	185	185	185	181
1	206	201	196	193	201	197	193	189	190	186	184	183	180	178	177	175	173	170
2	197	188	182	176	193	185	179	174	180	175	170	174	170	167	169	166	163	160
3	189	178	170	164	185	176	168	163	171	165	160	167	162	157	163	159	155	152
4	182	170	161	155	179	168	160	154	164	157	152	161	155	150	158	153	149	146
5	176	163	154	147	173	161	153	147	158	151	146	155	149	144	153	147	143	141
6	170	157	148	142	168	155	147	141	153	146	140	151	144	139	148	143	138	136
7	165	152	143	137	163	150	142	136	148	141	136	146	140	135	144	139	134	132
8	160	147	138	132	158	146	138	132	144	137	132	142	136	131	141	135	131	129
9	156	143	134	129	154	142	134	129	140	133	128	139	132	128	138	132	127	125
10	152	139	131	125	151	138	130	125	137	130	125	136	129	125	134	129	124	123

POLAR GRAPH



Maximum Candela = 53650.126 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)