



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]ATAL009599-R2
 [TESTLAB]ATAL-LABS
 [ISSUE DATE]29 NOV 2022
 [MANUFACTURER]WILLIAMS OUTDOOR
 [OTHER]H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMEN CATEGORY]VF2-L70-750-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 5000K LEDS
 [BALLAST](1) PHILIPS ELECTRONIC DRIVER
 [OTHER]INPUT WATTS: 55, AMPS: 0.4470, 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	6512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	55
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9386	9777	9357
55	12290	13030	10565
65	25362	23915	21948
75	17202	18366	13220
85	0	7755	3311

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_IES

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	36918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.886									
2.5	36299.13636286.07836276.09636269.20836265.42836264.76336267.21436272.77636281.44136293.192									
5.0	33594.57833707.84133830.33633957.99334086.79234178.93833983.45033875.38033790.21333730.236									
7.5	28059.87627939.93127868.61427846.77227730.27427651.31427621.20927639.74627884.34127776.537									
10.0	19257.79019085.54618982.26618868.57418782.77018755.88318784.68118865.96318729.41718619.163									
12.5	11282.86611146.35311097.70611022.55811028.25711079.84611106.00511061.35911033.69611016.037									
15.0	6529.077 6546.996 6540.121 6495.336 6489.123 6502.255 6504.755 6522.186 6579.452 6578.992									
17.5	4232.800 4243.320 4206.167 4152.945 4114.907 4075.939 4064.696 4095.361 4124.209 4158.734									
20.0	2794.449 2798.653 2769.093 2740.238 2720.734 2729.622 2740.330 2742.108 2758.924 2769.599									
22.5	1909.769 1909.823 1909.373 1918.789 1924.138 1936.278 1944.237 1950.744 1953.841 1953.100									
25.0	1397.462 1398.155 1398.020 1403.641 1402.447 1405.443 1407.065 1411.847 1416.078 1420.562									
27.5	1026.649 1025.190 1028.007 1029.854 1027.025 1025.633 1025.919 1025.029 1030.027 1025.701									
30.0	743.558 741.513 745.192 743.041 737.827 736.257 732.956 731.288 739.985 751.055									
32.5	538.991 539.121 544.696 543.276 543.116 548.939 549.988 550.932 555.218 553.339									
35.0	430.402 429.846 432.450 426.079 422.442 422.109 417.477 416.929 417.878 417.906									
37.5	345.808 345.277 347.953 343.204 342.489 343.702 345.040 348.614 351.238 352.820									
40.0	297.423 297.010 297.381 294.446 293.732 293.771 294.499 295.998 296.824 296.189									
42.5	249.038 249.069 249.413 250.448 252.104 254.313 257.032 259.680 261.614 262.395									
45.0	229.115 229.056 229.045 229.398 230.101 231.052 232.284 232.832 232.653 232.502									
47.5	209.192 209.405 210.018 210.989 212.281 213.855 215.677 216.424 216.952 217.804									
50.0	220.577 220.629 221.747 222.675 222.909 222.546 221.654 218.554 214.172 208.094									
52.5	231.961 232.289 235.130 238.005 239.907 241.810 243.473 243.383 242.824 241.130									
55.0	243.346 244.040 248.757 253.705 257.287 262.023 266.476 269.850 274.161 276.445									
57.5	275.010 275.525 278.205 280.711 278.575 281.716 288.677 291.592 300.782 309.200									
60.0	306.673 307.087 308.153 308.427 299.012 300.544 310.740 305.018 312.585 316.803									
62.5	338.337 338.535 337.942 335.745 317.899 318.730 329.989 319.085 322.174 322.132									
65.0	370.000 369.882 367.588 362.711 336.098 339.212 346.610 331.657 330.083 325.848									
67.5	315.923 316.135 316.518 315.452 298.028 306.236 313.430 307.533 310.059 311.183									
70.0	261.846 261.747 262.645 262.343 250.914 258.031 260.587 257.965 259.368 260.217									
72.5	207.769 207.425 208.762 208.740 203.698 208.694 208.999 207.880 208.851 209.112									
75.0	153.692 153.155 154.867 156.084 156.394 158.401 158.475 157.362 158.479 157.893									
77.5	115.269 115.359 117.663 118.746 119.144 120.206 119.786 118.130 118.296 116.424									
80.0	76.846 77.644 80.871 82.203 82.867 84.011 83.924 83.057 83.433 82.856									
82.5	38.423 39.922 44.106 45.676 46.595 47.834 48.131 48.101 48.796 49.530									
85.0	0.000 2.192 7.353 9.160 10.320 11.668 12.385 13.178 14.301 16.366									
87.5	0.000 1.067 3.566 4.306 4.693 5.102 5.156 5.222 5.421 6.155									
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	36918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.886									
2.5	36315.53336239.55436204.84836172.72536170.93436112.63136075.37336042.72036014.75435991.537									
5.0	33697.54033694.00633721.28033780.76434030.59133991.68233745.67733597.80233479.51833391.148									
7.5	27698.79527539.81727430.23427370.56627361.20427384.80127383.15027538.58227293.24827425.920									
10.0	18774.61518498.38518523.72518538.25918560.00018587.86118619.27718652.35418807.24318591.857									
12.5	11010.79311014.83011099.76211244.61411339.33511360.81911343.97311285.80511198.22211176.649									
15.0	6611.820 6643.293 6683.017 6683.639 6734.261 6792.463 6774.479 6770.143 6787.150 6785.712									
17.5	4177.761 4168.227 4148.666 4146.690 4192.589 4210.036 4202.294 4223.691 4197.985 4187.455									
20.0	2770.620 2779.721 2756.247 2755.944 2759.630 2773.513 2760.163 2745.962 2761.774 2761.422									
22.5	1950.303 1946.063 1942.476 1945.220 1958.057 1959.449 1951.002 1930.579 1950.041 1956.255									
25.0	1422.460 1423.959 1433.922 1439.208 1439.048 1433.366 1430.724 1436.935 1442.141 1447.139									
27.5	1032.928 1039.885 1046.443 1051.133 1051.699 1049.252 1055.492 1059.877 1059.649 1060.249									
30.0	750.962 752.802 755.826 752.616 749.240 758.708 762.607 760.953 763.993 769.311									

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

CANDELA TABULATION - (Cont.)

70.0	256.017	255.263	252.079	249.496	246.458	243.811	240.900	234.991	226.692	222.539
72.5	207.294	203.187	199.872	197.034	195.122	193.334	190.167	186.788	183.197	179.457
75.0	156.602	153.408	149.117	146.141	146.179	145.571	143.171	138.618	135.260	138.247
77.5	108.649	107.690	105.608	102.956	102.581	101.813	101.082	97.956	97.794	99.342
80.0	62.681	64.293	64.886	65.975	67.728	68.098	66.704	64.054	66.092	67.266
82.5	41.841	40.164	37.932	36.840	36.174	38.276	39.859	40.677	41.261	40.682
85.0	24.148	24.296	24.049	24.198	24.285	24.153	23.731	23.143	22.163	22.286
87.5	9.207	10.108	11.138	11.900	12.808	13.585	14.229	14.712	14.956	14.852
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>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	36918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.886									
2.5	35887.69335869.89135855.00535843.06835834.11535828.16935825.25235775.66035729.28935686.309									
5.0	33217.60333276.69633225.18233184.53533155.22033137.26133130.65533038.59232957.88732888.547									
7.5	26610.83926454.11826349.06426289.39326158.77226078.25126047.64625920.40025842.32225805.648									
10.0	17934.71417915.06117866.78617814.54217779.58817696.10917673.90517563.81717513.55917421.766									
12.5	11051.71111011.11310971.97010924.95210898.57210847.07510834.95210782.49210768.06910729.669									
15.0	6778.687 6738.665 6699.169 6668.132 6623.865 6591.950 6574.616 6549.951 6542.453 6549.098									
17.5	4326.715 4359.740 4337.250 4347.491 4354.291 4356.664 4352.339 4329.753 4305.602 4280.888									
20.0	2911.600 2892.710 2910.525 2929.801 2953.030 2969.104 2966.641 2939.968 2912.159 2887.376									
22.5	2105.553 2103.509 2098.674 2093.446 2088.817 2088.500 2089.077 2087.581 2089.321 2091.440									
25.0	1540.690 1540.724 1540.917 1540.387 1541.189 1542.079 1543.565 1544.356 1543.276 1542.699									
27.5	1115.977 1118.140 1119.071 1120.011 1120.898 1122.010 1123.824 1125.152 1124.622 1124.825									
30.0	772.105 774.195 776.938 779.710 781.289 781.805 793.721 785.910 787.254 787.522									
32.5	558.508 550.254 539.771 530.234 521.898 517.248 550.909 521.778 529.039 539.557									
35.0	403.296 402.463 400.760 399.506 398.025 398.636 427.081 401.444 403.217 406.522									
37.5	338.226 335.989 330.582 325.796 321.262 320.081 333.000 320.132 322.940 328.016									
40.0	292.163 289.652 287.518 285.741 284.804 285.240 291.731 285.240 286.227 287.610									
42.5	260.098 257.360 253.949 252.202 250.933 250.733 250.462 251.144 252.356 253.858									
45.0	231.978 231.832 230.366 229.215 228.791 228.523 228.404 228.885 229.550 230.638									
47.5	214.976 213.576 211.926 209.148 207.689 206.859 206.346 206.871 208.373 210.571									
50.0	202.230 207.474 210.044 209.571 208.365 208.183 207.295 207.732 208.897 209.901									
52.5	221.065 222.371 220.796 217.046 212.942 210.324 208.243 209.389 212.146 215.248									
55.0	245.453 241.717 235.285 226.745 218.565 212.775 209.192 211.366 216.091 222.178									
57.5	276.203 265.175 254.130 246.621 241.744 239.142 236.942 237.808 238.898 241.001									
60.0	290.297 278.079 270.826 267.547 265.996 266.053 264.692 264.406 263.150 262.370									
62.5	291.464 284.614 282.949 285.925 289.220 292.686 292.442 290.432 285.656 279.637									
65.0	282.337 282.451 288.408 299.727 310.820 318.485 320.192 315.656 305.716 292.418									
67.5	261.089 267.983 276.469 274.958 273.555 270.903 269.673 268.731 269.650 268.800									
70.0	224.929 226.999 228.013 225.747 223.749 220.747 219.154 219.282 220.991 221.260									
72.5	180.236 181.212 180.996 178.350 174.739 170.356 168.634 169.596 172.477 175.489									
75.0	138.767 138.366 136.507 132.619 126.139 120.545 118.115 120.652 125.575 130.243									
77.5	100.220 98.814 96.471 93.217 92.988 91.829 91.077 92.859 92.911 92.323									
80.0	66.908 64.641 64.510 68.883 68.514 66.154 64.039 66.154 67.511 68.053									
82.5	40.087 39.819 42.947 45.408 45.361 40.818 37.000 40.281 45.297 45.049									
85.0	22.126 22.952 25.149 26.982 26.587 18.481 9.962 18.015 26.446 27.048									
87.5	14.229 14.104 14.125 15.287 15.258 11.067 4.981 11.067 15.328 15.431									
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>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	36918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.88636918.886									
2.5	35646.88435611.16935579.30735551.43435527.67335488.52835487.79235466.97935449.16335434.288									

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

CANDELA TABULATION - (Cont.)

5.0	32830.55632751.33432637.84032542.33032466.01332345.54032321.85132221.85232149.00532104.268
7.5	25702.06125631.85225564.32025522.19825608.11125404.38725293.63025180.16425109.44525063.924
10.0	17346.87417272.79917177.08217113.01016996.99816908.00216931.56416736.22016716.37316670.315
12.5	10710.58810685.15710656.39510618.96610565.71910503.17110425.78710440.97210330.66510329.744
15.0	6548.860 6558.436 6560.483 6573.984 6576.966 6567.408 6531.940 6480.083 6424.802 6442.985
17.5	4254.376 4243.616 4204.373 4211.899 4220.138 4217.099 4198.454 4167.906 4158.231 4125.684
20.0	2866.570 2841.442 2848.218 2852.517 2848.913 2836.899 2816.537 2790.919 2755.558 2738.670
22.5	2092.492 2089.095 2082.478 2071.049 2055.456 2037.531 2018.020 1996.293 1983.201 1984.389
25.0	1541.468 1538.770 1535.597 1529.234 1524.183 1513.674 1505.277 1501.702 1496.504 1490.412
27.5	1123.953 1123.392 1121.437 1119.785 1115.343 1117.110 1119.420 1118.362 1113.382 1106.062
30.0	788.493 787.426 790.759 802.221 811.992 817.674 818.816 810.727 805.338 805.244
32.5	551.531 563.758 575.434 583.028 587.926 584.636 582.352 592.536 592.901 588.026
35.0	408.833 412.395 413.699 414.425 415.400 397.051 422.339 432.458 424.979 426.459
37.5	333.539 339.960 345.390 350.746 322.714 317.426 319.712 329.852 342.689 348.859
40.0	288.941 290.823 293.335 293.572 291.909 291.078 291.765 292.008 292.734 293.074
42.5	255.309 257.710 260.601 261.363 262.353 262.070 260.900 260.896 261.258 261.418
45.0	231.184 231.832 231.853 232.128 234.623 235.641 235.792 235.263 234.214 234.818
47.5	212.118 213.430 213.918 214.805 214.885 213.991 214.769 215.701 215.663 215.182
50.0	208.925 205.618 200.469 199.345 200.665 203.813 205.196 201.706 202.212 202.438
52.5	217.851 217.619 215.835 210.083 203.316 202.253 208.240 210.001 203.922 203.534
55.0	229.309 233.813 236.529 235.007 233.078 231.276 230.162 231.937 232.613 226.372
57.5	245.601 254.373 262.925 266.771 268.794 269.212 267.930 268.040 270.063 268.154
60.0	261.988 267.133 276.686 293.557 307.375 306.030 299.606 297.422 302.542 308.641
62.5	274.319 273.993 279.570 293.190 313.711 329.408 316.810 311.753 314.534 324.519
65.0	280.364 273.049 273.292 282.683 291.355 300.945 311.285 305.992 309.128 311.119
67.5	269.693 261.221 254.424 254.368 258.622 265.766 273.524 282.056 276.777 278.493
70.0	222.433 222.065 219.328 216.499 219.622 225.727 230.220 232.814 235.210 238.421
72.5	177.373 177.406 175.555 174.316 177.389 180.363 183.319 186.184 187.971 190.148
75.0	134.678 135.277 135.394 134.847 132.706 135.633 139.517 141.777 142.690 143.238
77.5	94.786 97.083 98.061 97.997 96.884 96.940 99.778 100.779 101.926 102.663
80.0	63.976 63.638 66.590 67.200 66.158 64.157 66.902 68.576 68.628 67.408
82.5	42.640 40.321 40.984 41.498 41.933 41.494 41.033 39.968 38.372 39.119
85.0	25.874 23.794 22.679 22.801 22.906 24.042 24.728 25.206 25.362 25.277
87.5	14.125 14.104 14.242 14.976 15.122 14.876 14.358 13.658 12.784 11.900
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	36918.88636918.8									

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

CANDELA TABULATION - (Cont.)

42.5	260.811	260.292	260.376	259.159	257.456	261.294	262.710	263.098	262.106	260.785
45.0	234.931	234.024	232.186	233.464	234.191	234.381	233.639	234.975	235.908	235.717
47.5	213.679	214.445	215.908	215.437	215.760	216.464	216.427	216.646	215.972	214.312
50.0	204.700	204.235	205.052	207.078	205.774	205.092	202.348	205.235	206.628	205.811
52.5	206.954	208.937	207.631	207.863	204.897	207.399	209.033	206.881	204.770	202.796
55.0	226.084	229.401	225.258	226.260	228.834	226.142	223.001	227.834	232.330	236.264
57.5	264.465	263.413	264.522	262.653	260.124	261.576	265.947	269.231	270.359	272.119
60.0	303.309	304.139	301.704	294.247	293.947	299.004	307.381	312.272	311.448	300.678
62.5	329.956	318.183	314.389	313.557	319.566	330.923	327.897	321.068	306.937	296.420
65.0	315.522	312.629	314.282	318.078	312.809	309.642	305.161	302.391	295.121	289.109
67.5	286.153	291.671	286.221	284.942	282.585	281.239	280.384	280.116	279.443	278.750
70.0	241.257	244.729	245.317	247.748	250.802	251.528	253.759	253.226	250.151	245.895
72.5	193.307	196.990	201.133	207.650	212.083	208.660	206.228	203.490	201.510	198.494
75.0	146.223	150.627	153.431	156.499	158.736	157.206	155.374	153.660	152.367	150.797
77.5	105.117	106.790	107.273	107.439	107.108	105.768	104.583	103.758	103.201	104.727
80.0	66.376	65.272	63.095	63.083	65.401	67.851	70.896	73.526	75.481	76.939
82.5	40.006	41.524	42.682	43.649	44.681	45.674	47.324	48.685	49.313	49.553
85.0	25.088	25.225	25.105	24.800	24.464	24.031	24.217	24.229	23.483	22.441
87.5	11.151	10.508	9.954	9.472	9.051	8.691	8.829	8.966	8.684	8.322
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	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918	36918.88636918
2.5	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393	35394.37235393
5.0	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639	31690.68731639
7.5	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307	24341.24424307
10.0	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969	16154.94715969
12.5	9847.053	9761.504	9752.751	9709.956	9640.330	9586.174	9551.755	9518.678	9500.358	9516.856
15.0	6149.821	6167.499	6135.082	6106.017	6109.429	6017.374	5957.390	5914.294	5881.773	5870.069
17.5	3977.273	3992.478	4001.930	3985.843	3955.202	3930.779	3850.869	3894.226	3916.732	3903.702
20.0	2663.981	2691.177	2683.761	2683.173	2667.844	2635.754	2613.915	2584.233	2594.897	2600.787
22.5	1891.394	1898.205	1904.237	1908.245	1911.479	1906.572	1892.585	1878.706	1860.130	1847.550
25.0	1422.834	1405.446	1406.199	1402.428	1402.126	1405.306	1401.344	1398.139	1389.844	1384.273
27.5	1053.557	1046.968	1040.032	1030.884	1031.179	1031.705	1036.790	1036.732	1036.568	1033.350
30.0	759.666	763.518	762.241	759.593	747.095	738.179	740.198	746.967	753.630	754.147
32.5	550.000	550.328	558.453	562.973	564.021	561.023	559.880	559.313	558.560	555.474
35.0	435.926	425.612	424.249	424.235	425.151	425.516	426.053	428.339	430.836	432.595
37.5	346.817	348.372	345.849	352.560	352.609	349.344	345.516	342.858	341.158	340.398
40.0	298.082	299.243	295.882	294.766	295.187	293.255	291.962	291.444	291.474	292.023
42.5	261.630	262.608	262.755	260.971	260.191	257.347	254.717	252.695	250.557	248.955
45.0	235.011	233.885	232.848	230.922	230.820	230.362	229.235	228.597	227.505	226.692
47.5	214.735	214.731	214.720	214.284	213.696	212.890	211.690	209.959	208.260	206.860
50.0	203.711	201.946	199.748	200.672	204.863	206.594	207.747	207.625	206.605	205.397
52.5	208.666	212.608	214.436	216.006	216.107	214.668	213.279	211.775	209.122	206.202
55.0	238.499	238.417	236.390	233.544	229.714	224.312	219.579	216.388	212.125	207.277
57.5	271.377	267.418	260.934	252.199	246.067	240.172	236.281	234.917	233.320	230.749
60.0	290.063	280.228	272.158	265.742	262.950	260.160	258.635	257.814	257.728	256.305
62.5	289.427	284.072	280.311	277.784	278.166	279.331	280.574	280.326	281.825	281.688
65.0	286.093	285.166	286.189	288.029	291.969	297.022	301.682	302.950	305.637	306.916
67.5	280.328	283.780	282.016	279.709	278.298	277.770	276.919	273.366	270.724	267.773
70.0	242.390	239.473	237.386	235.534	234.208	233.560	232.653	229.898	226.907	223.378
72.5	196.210	194.432	192.791	191.312	190.211	189.475	188.411	186.294	183.161	179.120
75.0	149.693	149.130	148.227	147.052	146.292	145.496	144.191	142.571	139.471	134.867
77.5	106.863	108.845	109.867	109.888	109.807	109.802	109.134	108.356	106.308	103.035

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

CANDELA TABULATION - (Cont.)

80.0	77.821	78.563	78.866	78.456	77.340	76.959	76.327	75.621	74.089	71.767
82.5	49.136	48.595	47.966	47.191	45.030	44.236	43.538	42.862	41.820	40.441
85.0	20.694	18.839	17.133	16.030	12.811	11.548	10.761	10.085	8.538	8.538
87.5	7.592	6.868	6.280	6.149	4.785	4.476	4.419	4.373	4.335	4.306
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

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>
0.0	36918.886	36918.886	36918.886
2.5	35348.202	35363.014	35382.675
5.0	31527.201	31475.842	31424.386
7.5	24220.625	24072.598	23973.155
10.0	16019.972	16066.258	16171.136
12.5	9598.698	9590.438	9642.414
15.0	5817.904	5884.687	5924.269
17.5	3906.619	3921.039	3942.493
20.0	2604.784	2617.823	2636.487
22.5	1813.992	1832.058	1844.308
25.0	1380.438	1383.449	1386.551
27.5	1030.918	1030.860	1033.967
30.0	754.400	753.136	755.654
32.5	552.508	548.935	549.307
35.0	433.715	432.457	432.773
37.5	341.171	338.321	338.692
40.0	293.225	292.721	291.731
42.5	247.883	246.192	244.769
45.0	226.261	225.783	224.135
47.5	205.811	204.923	203.500
50.0	204.125	203.006	200.654
52.5	203.481	201.132	197.808
55.0	203.016	199.299	194.962
57.5	228.593	226.470	223.779
60.0	255.152	253.878	252.597
62.5	281.593	281.247	281.414
65.0	308.808	308.808	310.231
67.5	266.057	264.789	265.048
70.0	221.818	220.425	219.866
72.5	177.569	176.082	174.683
75.0	132.346	131.513	129.500
77.5	101.925	100.033	97.837
80.0	70.852	68.372	66.173
82.5	39.795	36.703	34.510
85.0	8.511	4.967	2.846
87.5	4.282	2.491	1.423
90.0	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4638.4	N.A.	71.20
0-30	5339.53	N.A.	82.00
0-40	5624.65	N.A.	86.40
0-60	6029.98	N.A.	92.60
0-80	6482.42	N.A.	99.50
0-90	6511.8	N.A.	100.00
10-90	3894.96	N.A.	59.80
20-40	986.25	N.A.	15.10
20-50	1170.62	N.A.	18.00
40-70	699.17	N.A.	10.70
60-80	452.44	N.A.	6.90
70-80	158.60	N.A.	2.40
80-90	29.38	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	6511.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2616.84
10-20	2021.56
20-30	701.13
30-40	285.12
40-50	184.37
50-60	220.96
60-70	293.84
70-80	158.60
80-90	29.38
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

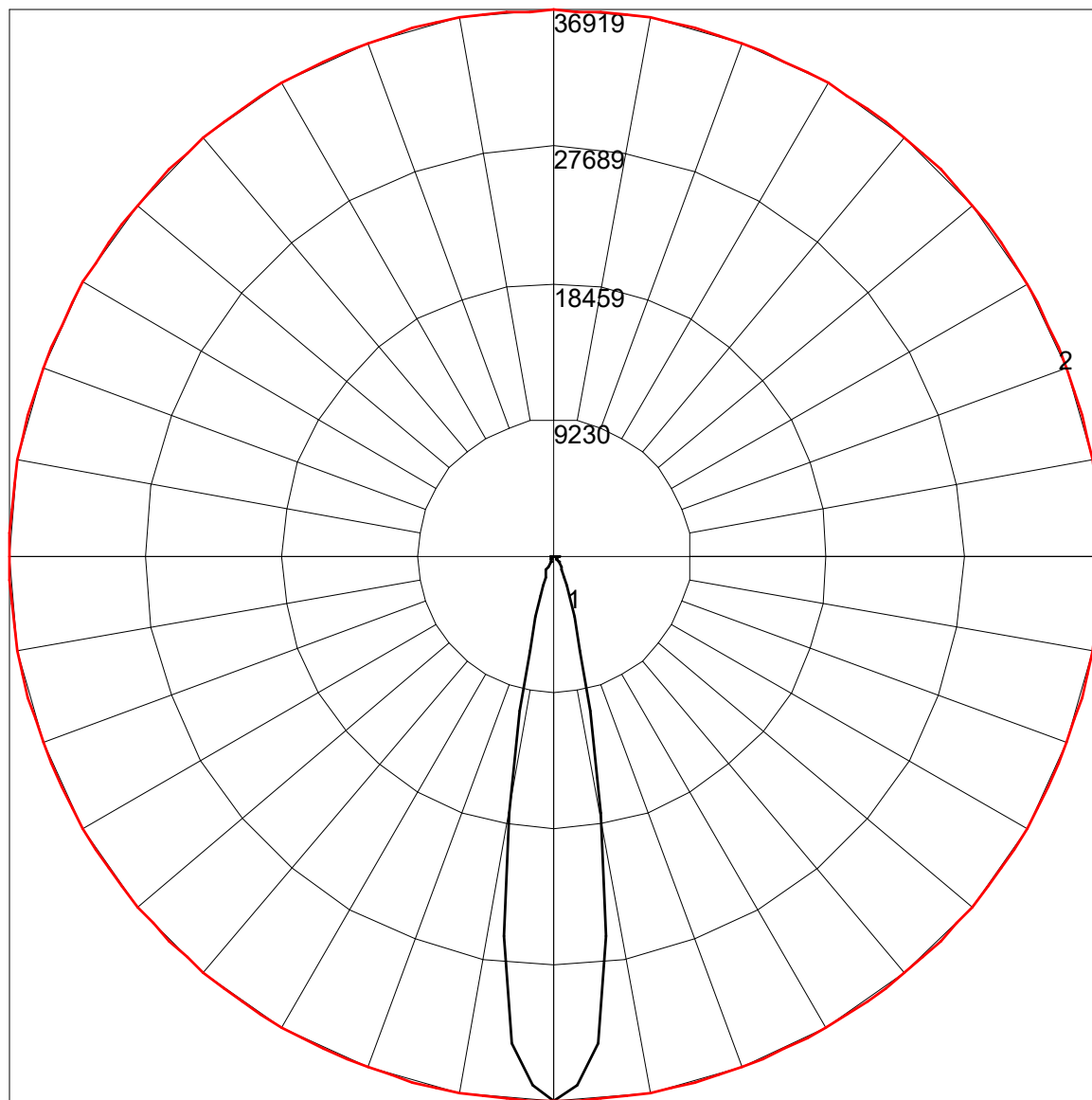
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L70-750-NS_.IES

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	148	148	148	148	145	145	145	145	138	138	138	132	132	132	127	127	127	124
1	142	138	135	132	138	135	133	130	130	128	126	126	124	123	122	120	119	117
2	135	130	125	121	133	128	123	120	124	120	117	120	117	115	117	114	112	110
3	130	123	117	113	128	121	116	112	118	114	110	115	111	108	112	109	107	105
4	125	117	111	106	123	116	110	106	113	108	105	111	107	103	108	105	102	101
5	121	112	106	101	119	111	105	101	109	104	100	107	103	99	105	101	98	97
6	117	108	102	97	115	107	101	97	105	100	96	104	99	96	102	98	95	94
7	114	104	98	94	112	103	98	94	102	97	93	101	96	93	99	95	92	91
8	110	101	95	91	109	100	95	91	99	94	91	98	94	90	97	93	90	89
9	107	98	92	89	106	98	92	88	97	92	88	96	91	88	95	91	88	86
10	105	96	90	86	104	95	90	86	94	89	86	93	89	86	93	89	86	84

POLAR GRAPH



Maximum Candela = 36918.886 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.)