



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 200115 VFLT-SS06-3000K-24D-31-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] 200115
 [TESTLAB] QM
 [ISSUE DATE] 2020-01-15 2:47:31
 [MANUFAC]
 [LUMCAT]
 [LUMINAIRE]
 [LAMPCAT]
 [LAMP] ,
 [BALLAST]
 [OTHER] Voltage = 24, Current = 0.214
 [OTHER] Cx = 0.4279, Cy = 0.4048, CCT = 3179, Ra = 96.9
 [OTHER] CRI = 96.9,97.79,97.42,95.49,98.68,97.21,96.65,98.08,93.9,82.92,92.84,98.18,85.16,97.64,96.73

CHARACTERISTICS

Lumens Per Lamp	362 (1 lamp)
Total Lamp Lumens	362
Luminaire Lumens	399
Total Luminaire Efficiency	110 %
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	5.13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.42
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
0	1541.493	1541.493	1541.493	1541.493	1541.493	1541.493	1541.493	1541.493	1541.493	1541.493
10	641.390	609.060	862.010	848.620	1080.470	952.430	1129.930	1007.320	742.510	766.860
20	172.160	192.080	223.590	255.480	288.210	278.280	262.060	248.770	207.510	195.270
30	68.280	74.690	90.470	99.240	114.820	108.690	108.260	93.000	77.690	72.250
40	25.110	29.130	34.010	38.880	44.520	41.920	41.890	35.850	29.650	27.480
50	6.600	8.650	10.530	12.300	14.330	13.730	14.460	12.650	9.880	8.750
60	0.860	1.510	2.150	2.670	2.720	2.250	2.300	3.290	2.430	1.270
70	0.000	0.320	0.000	0.330	0.140	0.580	0.000	0.590	0.480	0.000
80	0.220	0.390	0.000	0.000	0.080	0.150	0.090	0.090	0.000	0.000
90	0.000	0.000	0.000	0.130	0.000	0.220	0.000	0.040	0.000	0.000
100	0.290	0.000	0.000	0.000	0.280	0.050	0.000	0.240	0.000	0.040
110	0.000	0.290	0.630	0.000	0.420	0.000	0.500	0.000	0.000	0.200
120	0.220	0.090	0.590	0.000	0.680	0.840	0.230	0.910	0.840	0.220
130	1.000	0.740	1.090	0.780	0.130	0.550	0.430	0.910	1.110	1.290
180	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>300</u>	<u>330</u>	<u>360</u>
0	1541.493	1541.493	1541.493
10	600.860	739.300	641.390
20	181.020	188.350	172.160
30	67.930	71.970	68.280
40	26.420	27.310	25.110
50	7.720	7.700	6.600
60	1.620	1.190	0.860
70	0.000	0.290	0.000
80	0.100	0.020	0.220
90	0.000	0.000	0.000
100	0.000	0.190	0.290
110	0.000	0.700	0.000
120	0.910	0.650	0.220
130	0.950	1.310	1.000
180	0.000	0.000	0.000

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	262.96	72.60	65.90
0-30	335.09	92.60	83.90
0-40	373.03	103.00	93.40
0-60	395.78	109.30	99.10
0-80	397.07	109.70	99.40
0-90	397.14	109.70	99.50
10-90	283.87	78.40	71.10
20-40	110.07	30.40	27.60
20-50	127.16	35.10	31.80
40-70	23.87	6.60	6.00
60-80	1.29	0.40	0.30
70-80	0.17	0.00	0.00
80-90	0.07	0.00	0.00
90-110	0.24	0.10	0.10
90-120	0.61	0.20	0.20
90-130	1.22	0.30	0.30
90-150	1.22	0.30	0.30
90-180	2.18	0.60	0.50
110-180	1.95	0.50	0.50
0-180	399.32	110.30	100.00

Total Luminaire Efficiency = 110.30%

ZONAL LUMEN SUMMARY

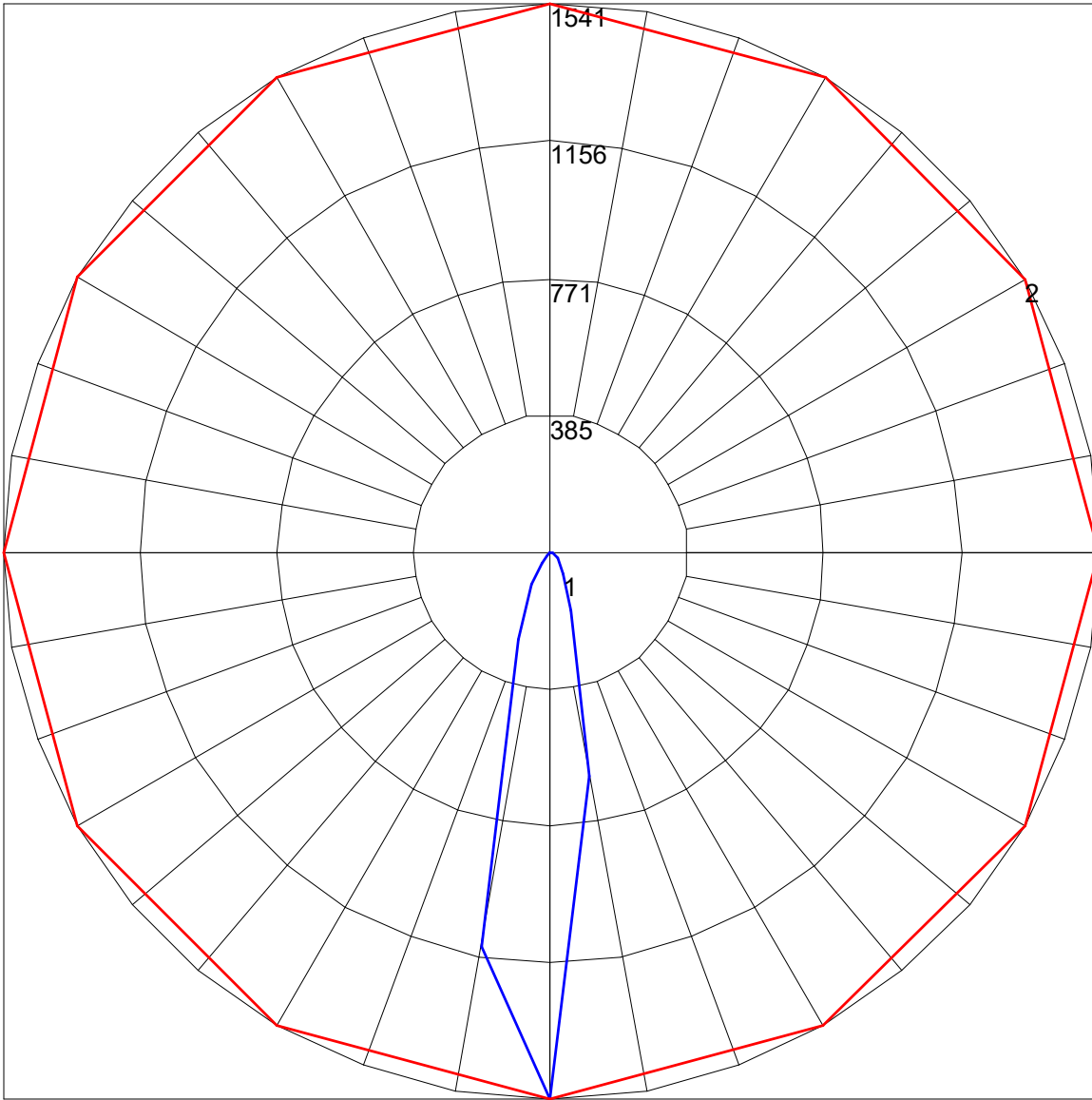
Zone	Lumens
0-10	113.27
10-20	149.69
20-30	72.13
30-40	37.94
40-50	17.09
50-60	5.67
60-70	1.12
70-80	0.17
80-90	0.07
90-100	0.07
100-110	0.17
110-120	0.37
120-130	0.62
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.96

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	131	131	131	131	128	128	128	128	122	122	122	117	117	117	112	112	112	110	0
1	126	123	121	119	123	121	119	117	117	115	113	112	111	110	109	108	107	105	0
2	121	117	113	110	119	115	111	108	111	108	106	108	106	104	105	103	101	100	0
3	116	111	106	102	114	109	105	101	106	103	100	103	101	98	101	99	97	95	0
4	112	105	100	96	110	104	99	96	102	98	95	99	96	93	97	95	92	91	0
5	108	100	95	91	106	99	94	91	97	93	90	96	92	89	94	91	88	87	0
6	104	96	91	87	102	95	90	86	94	89	86	92	88	85	91	87	85	83	0
7	100	92	87	83	99	91	86	83	90	86	82	89	85	82	88	84	81	80	0
8	97	88	83	80	96	88	83	79	87	82	79	86	82	79	85	81	78	77	0
9	94	85	80	76	93	85	80	76	84	79	76	83	79	76	82	78	76	74	0
10	91	82	77	74	90	82	77	74	81	76	73	80	76	73	79	76	73	72	0

POLAR GRAPH



Maximum Candela = 1541.493 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)