



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 200115 VFLT-SL06-3000K-24D-BK-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] 200115
 [TESTLAB] QM
 [ISSUE DATE] 2020-01-15 4:53:07
 [MANUFAC]
 [LUMCAT]
 [LUMINAIRE]
 [LAMPCAT]
 [LAMP] ,
 [BALLAST]
 [OTHER] Voltage = 24, Current = 0.216
 [OTHER] Cx = 0.4311, Cy = 0.4062, CCT = 3133, Ra = 97.2
 [OTHER] CRI = 97.2,98.3,97.52,95.12,98.7,97.71,96.87,98.42,94.95,85.04,93.05,97.67,86.05,98.01,96.48

CHARACTERISTICS

Lumens Per Lamp	360.5 (1 lamp)
Total Lamp Lumens	360.5
Luminaire Lumens	396
Total Luminaire Efficiency	110 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	5.17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.44
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	1459.865	1459.865	1459.865	1459.865	1459.865	1459.865	1459.865	1459.865	1459.865	1459.865
10	1042.650	922.520	1007.080	777.400	789.200	557.610	580.030	692.950	608.270	811.210
20	261.280	260.880	251.580	227.420	212.580	189.730	193.440	190.120	192.260	213.420
30	103.550	103.550	100.560	92.820	87.060	77.270	78.640	77.820	76.630	83.040
40	43.080	42.760	43.060	38.060	35.570	30.380	31.390	31.020	30.690	33.860
50	15.440	15.020	15.310	11.650	10.310	8.670	9.060	9.070	9.140	10.010
60	3.250	3.100	3.480	2.230	1.940	1.670	1.360	1.700	1.310	1.900
70	0.000	0.290	0.370	0.630	0.000	0.150	0.000	0.150	0.000	0.000
80	0.000	0.000	0.000	0.000	0.040	0.230	0.300	0.000	0.000	0.440
90	0.020	0.000	0.000	0.000	0.530	0.000	0.000	0.000	0.190	0.380
100	0.000	0.100	0.190	0.130	0.460	0.560	0.000	0.000	0.050	0.000
110	0.270	0.230	0.040	0.030	0.580	0.320	0.000	0.720	0.560	0.320
120	0.680	0.070	1.160	0.440	0.060	0.250	0.000	0.460	0.000	0.520
130	0.750	0.860	0.660	0.570	0.820	1.280	0.790	1.200	1.340	0.770
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	1459.865	1459.865	1459.865
10	798.480	1072.490	1042.650
20	230.930	272.410	261.280
30	92.190	105.770	103.550
40	38.050	43.650	43.080
50	12.610	15.960	15.440
60	2.530	4.000	3.250
70	0.000	0.000	0.000
80	0.270	0.010	0.000
90	0.000	0.120	0.020
100	0.190	0.020	0.000
110	0.000	0.510	0.270
120	0.000	0.480	0.680
130	1.140	0.720	0.750
180	0.000	0.000	0.000

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	254.03	70.50	64.20
0-30	326.84	90.70	82.60
0-40	366.64	101.70	92.70
0-60	391.86	108.70	99.10
0-80	393.23	109.10	99.40
0-90	393.34	109.10	99.40
10-90	285.25	79.10	72.10
20-40	112.60	31.20	28.50
20-50	131.44	36.50	33.20
40-70	26.46	7.30	6.70
60-80	1.37	0.40	0.30
70-80	0.13	0.00	0.00
80-90	0.12	0.00	0.00
90-110	0.37	0.10	0.10
90-120	0.68	0.20	0.20
90-130	1.25	0.30	0.30
90-150	1.25	0.30	0.30
90-180	2.27	0.60	0.60
110-180	1.90	0.50	0.50
0-180	395.61	109.70	100.00

Total Luminaire Efficiency = 109.70%

ZONAL LUMEN SUMMARY

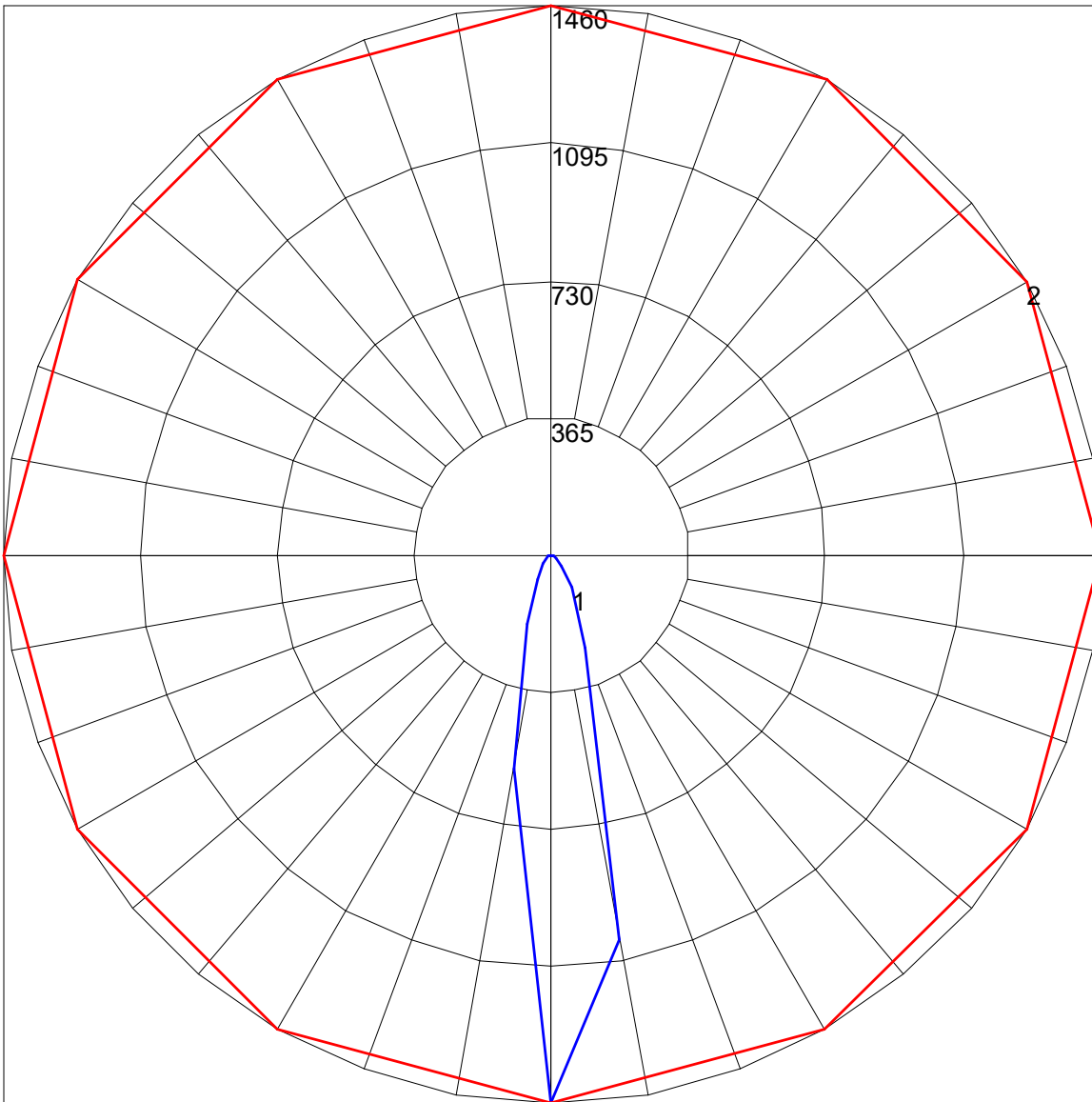
Zone	Lumens
0-10	108.10
10-20	145.94
20-30	72.80
30-40	39.80
40-50	18.84
50-60	6.38
60-70	1.24
70-80	0.13
80-90	0.12
90-100	0.13
100-110	0.23
110-120	0.32
120-130	0.56
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	1.02

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	130	130	130	130	127	127	127	127	122	122	122	116	116	116	111	111	111	109
1	125	123	120	118	123	120	118	116	116	114	113	112	110	109	108	107	106	104
2	120	116	112	109	118	114	110	107	110	107	105	107	105	103	104	102	101	99
3	115	110	105	101	113	108	104	100	105	102	99	102	100	97	100	98	96	94
4	111	104	99	95	109	103	98	95	100	97	93	98	95	92	96	93	91	90
5	107	99	94	90	105	98	93	89	96	92	89	94	91	88	93	90	87	86
6	103	95	89	85	101	94	89	85	92	88	85	91	87	84	89	86	83	82
7	99	91	85	82	98	90	85	81	89	84	81	87	83	80	86	83	80	79
8	96	87	82	78	94	87	81	78	85	81	78	84	80	77	83	80	77	76
9	92	84	79	75	91	83	78	75	82	78	75	81	77	74	81	77	74	73
10	89	81	76	72	88	80	75	72	80	75	72	79	75	72	78	74	71	70

POLAR GRAPH



Maximum Candela = 1459.865 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.)