

IES Report

Nexa™ | 3.25" Critical Edge™ | 807 | 90 CRI | SO

807-NX3-XX-4-48-XX-XX-XX-XX-XX-Z-SO-359-CE-XX-AL-X / BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	107
Total Lumens, 4' rail length (1219mm)	2651	2735	2791	2819
Lumens per foot (305mm)	663	684	698	705
Input Power (W), 4' rail length (1219mm)	26.4	26.4	26.4	26.4
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	90	90	90	90

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the [IES File Finder](#) page on [vode.com](#).

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 807 - NEXA3 - 35K - 90CRI - SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L092212503 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/30/2022

[MANUFAC] Vode Lighting LLC

[LUMCAT] 807-NX3-SL-48-XX-0-XX-XX-2-0-Z-SO-359-CE-0-AL-0

[LUMINAIRE] System 807, Nexa3, Surface, 48, Surface Mount, 35k, 90CRI,

[MORE] Critical Edge, standard output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2791
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	26.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.27 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8978	8954	8907
55	8706	8691	8618
65	8411	8352	8292
75	8079	8014	7918
85	8445	8349	8157

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 807 - NEXA3 - 35K - 90CRI - SO.IES

CANDELA TABULATION

	<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	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32
5	938.28	938.28	938.28	939.12	938.28	939.96	939.12	938.28	939.12	939.96
10	926.52	926.52	925.68	927.36	925.68	926.52	927.36	927.36	926.52	926.52
15	907.20	907.20	906.36	906.36	906.36	906.36	906.36	906.36	907.20	906.36
20	878.64	877.80	876.96	877.80	876.96	876.96	878.64	878.64	877.80	877.80
25	842.52	841.68	842.52	841.68	841.68	841.68	842.52	840.84	842.52	841.68
30	799.68	798.84	798.84	798.84	798.84	798.84	798.84	797.16	798.84	797.16
35	750.96	750.96	750.12	750.12	749.28	748.44	749.28	748.44	748.44	746.76
40	698.88	698.88	698.88	698.88	698.88	698.88	698.04	698.04	697.20	696.36
45	637.56	637.56	637.56	637.56	637.56	637.56	636.72	636.72	636.72	635.88
50	572.04	572.04	572.04	571.20	571.20	571.20	571.20	570.36	570.36	570.36
55	501.48	501.48	501.48	501.48	501.48	501.48	501.48	500.64	500.64	500.64
60	430.08	430.08	430.08	430.08	430.08	429.24	429.24	428.40	428.40	428.40
65	357.00	356.16	356.16	356.16	356.16	356.16	355.32	355.32	354.48	354.48
70	283.08	283.08	283.08	283.08	282.24	282.24	282.24	281.40	281.40	280.56
75	210.00	210.00	210.00	210.00	210.00	210.00	209.16	209.16	208.32	208.32
80	140.28	140.28	140.28	140.28	140.28	139.44	139.44	139.44	139.44	138.60
85	73.92	73.92	73.92	73.92	73.92	73.92	73.92	73.08	73.08	73.08
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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>	<u>95</u>
0	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32
5	939.12	938.28	939.12	939.12	939.12	939.12	939.96	939.96	939.96	939.96
10	926.52	926.52	927.36	928.20	927.36	928.20	928.20	928.20	928.20	929.04
15	906.36	907.20	906.36	907.20	906.36	907.20	907.20	907.20	907.20	906.36
20	877.80	877.80	877.80	877.80	877.80	877.80	877.80	878.64	877.80	878.64
25	840.84	841.68	840.84	840.84	840.84	840.00	840.84	841.68	841.68	841.68
30	797.16	797.16	797.16	796.32	798.00	797.16	797.16	797.16	797.16	796.32
35	746.76	746.76	746.76	746.76	746.76	746.76	746.76	746.76	746.76	746.76
40	695.52	695.52	694.68	694.68	694.68	694.68	694.68	694.68	694.68	694.68
45	635.04	634.20	633.36	633.36	632.52	632.52	632.52	632.52	632.52	632.52
50	569.52	568.68	568.68	567.84	567.00	567.00	567.00	566.16	567.00	567.00
55	499.80	499.80	498.96	498.12	497.28	497.28	497.28	496.44	496.44	497.28
60	427.56	427.56	427.56	426.72	425.88	425.04	425.04	425.04	425.04	425.04
65	354.48	353.64	353.64	353.64	352.80	351.96	351.96	351.12	351.96	351.96
70	280.56	279.72	279.72	279.72	279.72	278.88	278.04	278.04	278.04	278.04
75	208.32	207.48	207.48	206.64	206.64	206.64	206.64	206.64	205.80	205.80
80	138.60	137.76	137.76	137.76	136.92	136.92	136.92	136.92	136.92	136.92
85	73.08	72.24	72.24	72.24	72.24	71.40	71.40	71.40	71.40	71.40
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32	943.32
5	939.96	940.80	940.80	940.80	941.64	940.80	940.80	940.80	940.80	940.80
10	928.20	928.20	929.04	929.04	929.04	929.04	928.20	929.04	929.04	929.04
15	907.20	907.20	907.20	907.20	907.20	908.04	907.20	908.04	908.88	908.88
20	877.80	878.64	878.64	879.48	879.48	881.16	880.32	881.16	881.16	880.32
25	842.52	842.52	842.52	842.52	842.52	842.52	843.36	843.36	845.04	844.20
30	798.00	797.16	798.00	798.84	798.84	798.84	799.68	799.68	800.52	801.36
35	746.76	746.76	746.76	748.44	748.44	749.28	750.12	750.96	750.96	750.96

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 807 - NEXA3 - 35K - 90CRI - SO.IES

CANDELA TABULATION - (Cont.)

40	694.68	695.52	695.52	696.36	697.20	697.20	698.04	698.88	699.72	700.56
45	633.36	633.36	633.36	634.20	635.04	635.88	636.72	637.56	638.40	639.24
50	567.00	567.00	567.84	567.84	568.68	570.36	571.20	572.04	572.04	572.88
55	497.28	497.28	498.12	498.96	499.80	500.64	501.48	501.48	502.32	503.16
60	425.04	425.88	425.88	427.56	427.56	428.40	429.24	429.24	430.08	430.92
65	351.96	351.96	352.80	353.64	354.48	354.48	355.32	355.32	356.16	356.16
70	278.88	278.88	279.72	279.72	279.72	280.56	280.56	281.40	282.24	283.08
75	206.64	206.64	206.64	207.48	207.48	207.48	208.32	209.16	209.16	210.00
80	136.92	136.92	136.92	137.76	137.76	137.76	138.60	138.60	139.44	139.44
85	71.40	71.40	72.24	72.24	72.24	72.24	73.08	73.08	73.08	73.08
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	943.32	943.32	943.32	943.32	943.32	943.32	943.32
5	940.80	941.64	941.64	941.64	941.64	941.64	940.80
10	929.04	929.04	929.04	929.88	929.88	929.04	929.04
15	908.88	909.72	908.88	909.72	908.88	909.72	909.72
20	881.16	881.16	881.16	881.16	881.16	881.16	881.16
25	845.04	845.04	845.88	845.04	845.04	845.88	845.04
30	801.36	802.20	803.04	803.04	803.04	803.04	803.04
35	751.80	752.64	752.64	752.64	754.32	755.16	753.48
40	701.40	703.08	702.24	703.08	703.92	704.76	708.12
45	639.24	640.08	640.08	640.92	640.92	640.92	640.92
50	573.72	573.72	574.56	574.56	574.56	575.40	575.40
55	503.16	504.00	504.00	504.84	504.84	504.84	504.84
60	430.92	430.92	431.76	431.76	431.76	432.60	432.60
65	357.00	357.84	357.84	357.84	358.68	358.68	358.68
70	283.08	283.92	283.92	283.92	283.92	284.76	284.76
75	210.00	210.84	210.84	210.84	210.84	210.84	211.68
80	140.28	140.28	140.28	140.28	140.28	140.28	140.28
85	73.92	73.92	73.92	73.92	73.92	73.92	73.92
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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PHOTOMETRIC FILENAME : 807 - NEXA3 - 35K - 90CRI - SO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	345.45	N.A	12.40
0-30	733.77	N.A	26.30
0-40	1203.2	N.A	43.10
0-60	2141.63	N.A	76.70
0-80	2714.02	N.A	97.20
0-90	2791.46	N.A	100.00
10-90	2702.12	N.A	96.80
20-40	857.75	N.A	30.70
20-50	1348.6	N.A	48.30
40-70	1289.91	N.A	46.20
60-80	572.39	N.A	20.50
70-80	220.91	N.A	7.90
80-90	77.44	N.A	2.80
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	2791.46	N.A	100.00

Total Luminaire Efficiency = N.A%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.34
10-20	256.11
20-30	388.32
30-40	469.43
40-50	490.84
50-60	447.58
60-70	351.49
70-80	220.91
80-90	77.44
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

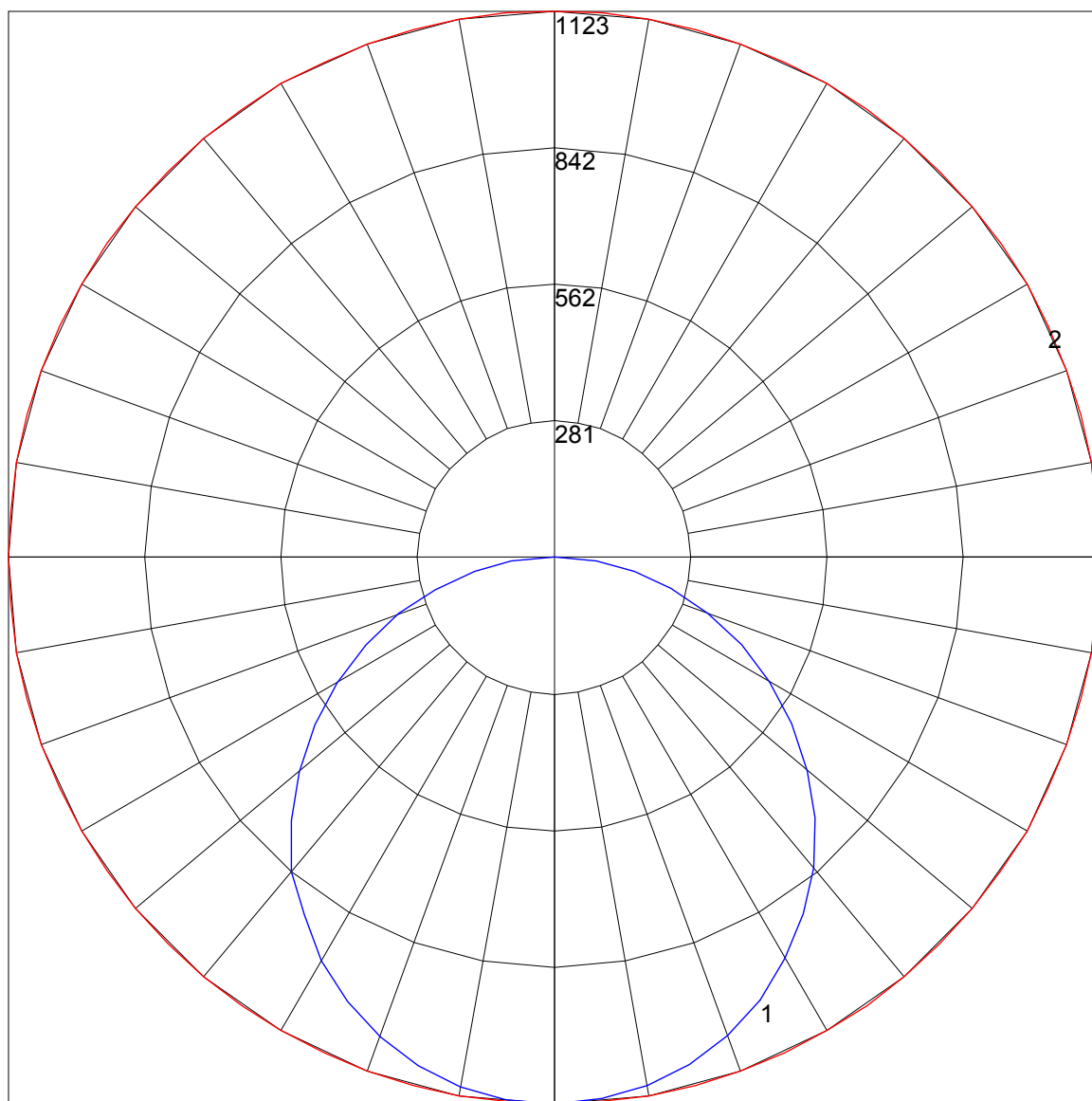
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 807 - NEXA3 - 35K - 90CRI - SO.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	37
7	64	50	41	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1123 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.)