

IES Report

Nexa™ | 3.25” Honeycomb Louver | 807 | 90 CRI | VLO

807-NX3-XX-4-48-XX-XX-XX-XX-XX-Z-VLO-359-HL-XX-AL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	84	87	88	89
Total Lumens, 4' rail length (1219mm)	693	715	730	737
Lumens per foot (305mm)	173	179	182	184
Input Power (W), 4' rail length (1219mm)	8.3	8.3	8.3	8.3
Watts per foot (305mm)	2.1	2.1	2.1	2.1
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](#).



8165 E. Kaiser Blvd. Anaheim, CA 92808
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Photometric Test Report

IES INDOOR REPORT

PHOTOMETRIC FILENAME : L072310202.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L072310202
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 7/11/2023
[MANUFAC] Vode Lighting LLC
[LUMCAT] 807-NX3-SL-48-XX-0-XX-XX-2-0-Z-SO-35-HL-0-AL-0
[LUMINAIRE] System 807, Nexa3, Surface, 48", Surface Mount, meanwell driver, 120v-277v, Zipper Board, Standard Output,
[MORE] 3500K 80CRI, Honeycomb Louvre, Clear Anodized
[BALLASTCAT] MEAN WELL HLG-40H-36A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	26.53
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.18
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	10364	10547	10463
55	8055	8229	8124
65	5348	5513	5631
75	4309	4386	4424
85	3199	3313	3199

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	555.89	N.A.	17.90
0-30	1122.63	N.A.	36.20
0-40	1737.41	N.A.	56.00
0-60	2708.34	N.A.	87.20
0-80	3070.88	N.A.	98.90
0-90	3104.39	N.A.	100.00
10-90	2954.61	N.A.	95.20
20-40	1181.52	N.A.	38.10
20-50	1739.11	N.A.	56.00
40-70	1211.5	N.A.	39.00
60-80	362.54	N.A.	11.70
70-80	121.97	N.A.	3.90
80-90	33.51	N.A.	1.10
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	3104.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.78
10-20	406.11
20-30	566.74
30-40	614.78
40-50	557.59
50-60	413.34
60-70	240.57
70-80	121.97
80-90	33.51
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

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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	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	60	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	54	48	60	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

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UGR TABLE - CORRECTED

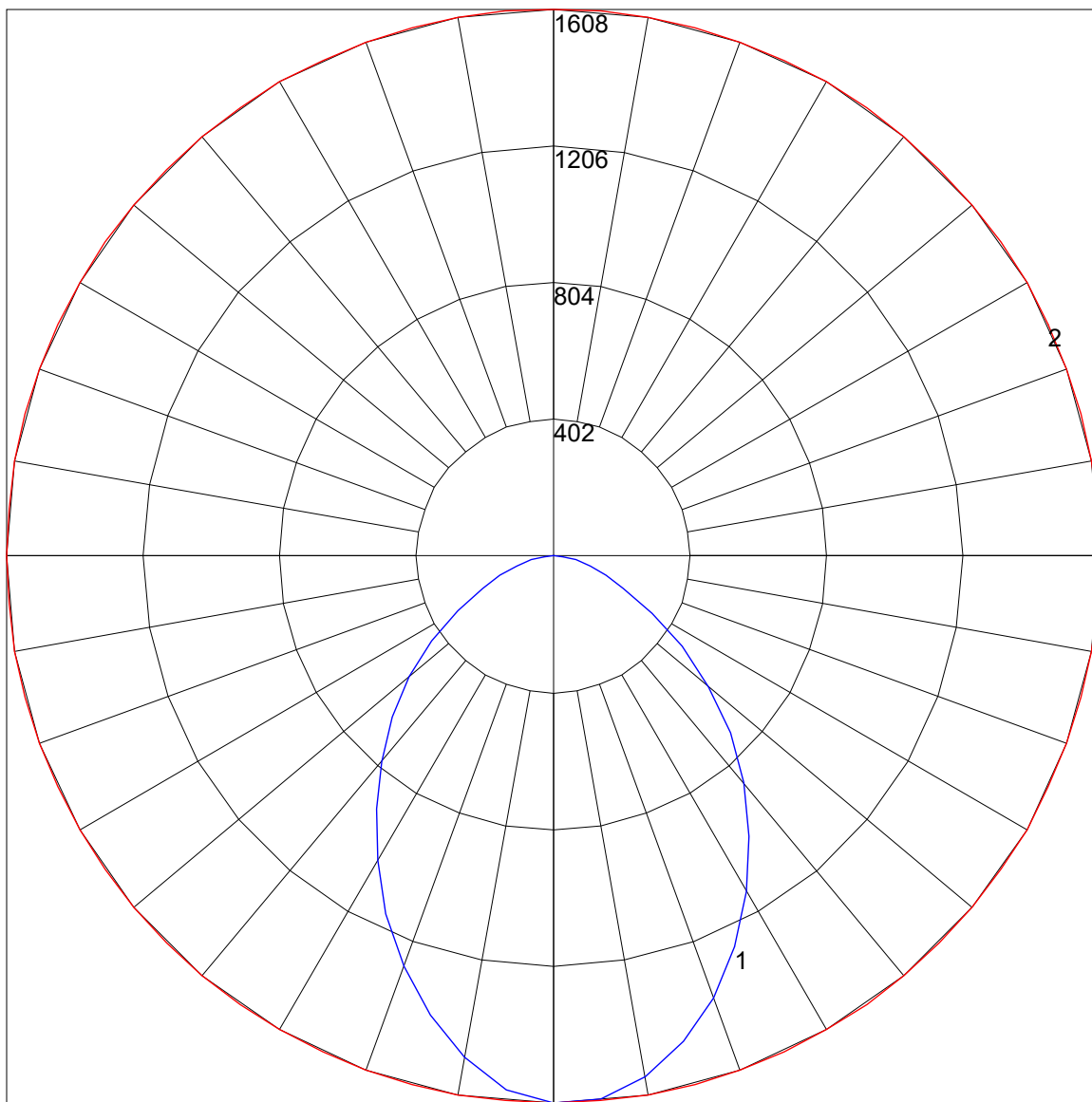
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	18.3	19.8	18.7	20.1	20.5	18.5	20.0	18.9	20.3	20.6
	3H	19.4	20.8	19.8	21.1	21.4	19.6	20.9	20.0	21.2	21.6
	4H	19.8	21.1	20.2	21.4	21.8	20.0	21.2	20.4	21.6	22.0
	6H	20.1	21.3	20.5	21.7	22.1	20.3	21.5	20.7	21.8	22.2
	8H	20.2	21.3	20.7	21.7	22.1	20.4	21.5	20.8	21.9	22.3
	12H	20.3	21.3	20.7	21.7	22.2	20.5	21.5	20.9	21.9	22.3
4H	2H	18.7	20.0	19.1	20.3	20.7	18.8	20.1	19.2	20.4	20.8
	3H	20.0	21.0	20.4	21.4	21.8	20.1	21.2	20.6	21.6	22.0
	4H	20.5	21.5	21.0	21.9	22.3	20.7	21.6	21.1	22.0	22.5
	6H	21.0	21.8	21.4	22.2	22.7	21.1	21.9	21.6	22.4	22.8
	8H	21.1	21.9	21.6	22.3	22.8	21.3	22.0	21.7	22.5	22.9
	12H	21.2	21.9	21.7	22.4	22.8	21.4	22.0	21.9	22.5	23.0
8H	4H	20.7	21.5	21.2	21.9	22.4	20.9	21.6	21.3	22.1	22.5
	6H	21.3	21.9	21.8	22.4	22.9	21.4	22.0	21.9	22.5	23.0
	8H	21.5	22.0	22.0	22.6	23.0	21.6	22.2	22.1	22.7	23.2
	12H	21.6	22.1	22.2	22.6	23.2	21.8	22.3	22.3	22.8	23.3
12H	4H	20.8	21.4	21.2	21.9	22.4	20.9	21.5	21.4	22.0	22.5
	6H	21.3	21.9	21.8	22.3	22.9	21.4	22.0	22.0	22.5	23.0
	8H	21.6	22.1	22.1	22.5	23.1	21.7	22.2	22.2	22.7	23.2

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 1608 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.)