

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAZESQ-48-LED35-MO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 105127679LAX-003
[TESTLAB] Intertek
[ISSUE DATE] 06/23/2022
[MANUFAC] Prudential Lighting
[LUMCAT] GazeSQ-48-LED35-MO-D1
[OTHER] Input Electricals:

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10564
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	99
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.88 ft
Luminous Width (90-270)	3.88 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2508	2506	2517
55	2408	2405	2417
65	2223	2227	2234
75	1874	1879	1891
85	1084	1070	1084

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80
2.5	3745.78	3741.87	3740.34	3741.53	3746.97	3741.53	3740.34	3741.87	3745.78	3741.87
5.0	3732.18	3728.10	3727.25	3728.61	3734.39	3728.61	3727.25	3728.10	3732.18	3728.10
7.5	3710.93	3706.17	3705.32	3707.02	3712.80	3707.02	3705.32	3706.17	3710.93	3706.17
10.0	3681.18	3676.59	3675.40	3677.27	3682.54	3677.27	3675.40	3676.59	3681.18	3676.59
12.5	3642.25	3638.51	3636.98	3638.51	3643.78	3638.51	3636.98	3638.51	3642.25	3638.51
15.0	3595.33	3590.91	3590.06	3591.59	3597.54	3591.59	3590.06	3590.91	3595.33	3590.91
17.5	3539.06	3536.00	3535.66	3537.36	3542.97	3537.36	3535.66	3536.00	3539.06	3536.00
20.0	3477.35	3472.42	3473.27	3473.78	3479.90	3473.78	3473.27	3472.42	3477.35	3472.42
22.5	3405.95	3402.21	3403.40	3404.42	3409.35	3404.42	3403.40	3402.21	3405.95	3402.21
25.0	3329.62	3326.05	3324.86	3327.58	3333.70	3327.58	3324.86	3326.05	3329.62	3326.05
27.5	3244.11	3241.56	3239.35	3243.77	3248.87	3243.77	3239.35	3241.56	3244.11	3241.56
30.0	3151.46	3149.08	3146.36	3151.63	3157.41	3151.63	3146.36	3149.08	3151.46	3149.08
32.5	3054.39	3049.29	3049.29	3053.03	3060.00	3053.03	3049.29	3049.29	3054.39	3049.29
35.0	2951.37	2944.74	2947.12	2948.82	2956.98	2948.82	2947.12	2944.74	2951.37	2944.74
37.5	2841.38	2835.43	2837.30	2839.34	2848.69	2839.34	2837.30	2835.43	2841.38	2835.43
40.0	2726.12	2721.87	2721.36	2725.27	2733.26	2725.27	2721.36	2721.87	2726.12	2721.87
42.5	2604.23	2600.83	2599.98	2604.91	2611.20	2604.91	2599.98	2600.83	2604.23	2600.83
45.0	2476.05	2474.18	2474.01	2478.43	2485.06	2478.43	2474.01	2474.18	2476.05	2474.18
47.5	2344.13	2343.11	2344.81	2346.68	2353.31	2346.68	2344.81	2343.11	2344.13	2343.11
50.0	2209.83	2208.13	2210.68	2211.87	2219.01	2211.87	2210.68	2208.13	2209.83	2208.13
52.5	2072.30	2069.92	2070.09	2072.47	2079.44	2072.47	2070.09	2069.92	2072.30	2069.92
55.0	1928.48	1926.10	1925.93	1927.97	1935.45	1927.97	1925.93	1926.10	1928.48	1926.10
57.5	1778.20	1776.84	1777.35	1779.22	1786.02	1779.22	1777.35	1776.84	1778.20	1776.84
60.0	1624.18	1624.18	1625.88	1627.24	1633.02	1627.24	1625.88	1624.18	1624.18	1624.18
62.5	1468.29	1470.16	1472.20	1472.54	1476.96	1472.54	1472.20	1470.16	1468.29	1470.16
65.0	1312.06	1313.76	1314.44	1314.78	1318.35	1314.78	1314.44	1313.76	1312.06	1313.76
67.5	1162.97	1159.91	1160.93	1162.46	1165.52	1162.46	1160.93	1159.91	1162.97	1159.91
70.0	1002.15	1000.79	999.43	1000.11	1005.38	1000.11	999.43	1000.79	1002.15	1000.79
72.5	838.61	838.27	837.76	838.27	843.20	838.27	837.76	838.27	838.61	838.27
75.0	677.28	679.66	679.15	679.83	683.40	679.83	679.15	679.66	677.28	679.66
77.5	523.60	526.32	524.79	526.49	528.19	526.49	524.79	526.32	523.60	526.32
80.0	379.78	381.31	378.93	380.12	381.65	380.12	378.93	381.31	379.78	381.31
82.5	247.86	248.03	245.65	245.65	247.69	245.65	245.65	248.03	247.86	248.03
85.0	131.92	131.58	130.22	129.37	131.92	129.37	130.22	131.58	131.92	131.58
87.5	35.02	35.02	34.34	33.49	35.70	33.49	34.34	35.02	35.02	35.02
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	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>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80	3746.80
2.5	3740.34	3741.53	3746.97	3741.53	3740.34	3741.87	3745.78
5.0	3727.25	3728.61	3734.39	3728.61	3727.25	3728.10	3732.18
7.5	3705.32	3707.02	3712.80	3707.02	3705.32	3706.17	3710.93
10.0	3675.40	3677.27	3682.54	3677.27	3675.40	3676.59	3681.18
12.5	3636.98	3638.51	3643.78	3638.51	3636.98	3638.51	3642.25
15.0	3590.06	3591.59	3597.54	3591.59	3590.06	3590.91	3595.33
17.5	3535.66	3537.36	3542.97	3537.36	3535.66	3536.00	3539.06
20.0	3473.27	3473.78	3479.90	3473.78	3473.27	3472.42	3477.35
22.5	3403.40	3404.42	3409.35	3404.42	3403.40	3402.21	3405.95
25.0	3324.86	3327.58	3333.70	3327.58	3324.86	3326.05	3329.62
27.5	3239.35	3243.77	3248.87	3243.77	3239.35	3241.56	3244.11
30.0	3146.36	3151.63	3157.41	3151.63	3146.36	3149.08	3151.46
32.5	3049.29	3053.03	3060.00	3053.03	3049.29	3049.29	3054.39
35.0	2947.12	2948.82	2956.98	2948.82	2947.12	2944.74	2951.37
37.5	2837.30	2839.34	2848.69	2839.34	2837.30	2835.43	2841.38
40.0	2721.36	2725.27	2733.26	2725.27	2721.36	2721.87	2726.12
42.5	2599.98	2604.91	2611.20	2604.91	2599.98	2600.83	2604.23
45.0	2474.01	2478.43	2485.06	2478.43	2474.01	2474.18	2476.05
47.5	2344.81	2346.68	2353.31	2346.68	2344.81	2343.11	2344.13
50.0	2210.68	2211.87	2219.01	2211.87	2210.68	2208.13	2209.83
52.5	2070.09	2072.47	2079.44	2072.47	2070.09	2069.92	2072.30
55.0	1925.93	1927.97	1935.45	1927.97	1925.93	1926.10	1928.48
57.5	1777.35	1779.22	1786.02	1779.22	1777.35	1776.84	1778.20
60.0	1625.88	1627.24	1633.02	1627.24	1625.88	1624.18	1624.18
62.5	1472.20	1472.54	1476.96	1472.54	1472.20	1470.16	1468.29
65.0	1314.44	1314.78	1318.35	1314.78	1314.44	1313.76	1312.06
67.5	1160.93	1162.46	1165.52	1162.46	1160.93	1159.91	1162.97
70.0	999.43	1000.11	1005.38	1000.11	999.43	1000.79	1002.15
72.5	837.76	838.27	843.20	838.27	837.76	838.27	838.61
75.0	679.15	679.83	683.40	679.83	679.15	679.66	677.28
77.5	524.79	526.49	528.19	526.49	524.79	526.32	523.60
80.0	378.93	380.12	381.65	380.12	378.93	381.31	379.78

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82.5	245.65	245.65	247.69	245.65	245.65	248.03	247.86
85.0	130.22	129.37	131.92	129.37	130.22	131.58	131.92
87.5	34.34	33.49	35.70	33.49	34.34	35.02	35.02
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1368.00	N.A.	12.90
0-30	2901.16	N.A.	27.50
0-40	4745.63	N.A.	44.90
0-60	8377.31	N.A.	79.30
0-80	10400.13	N.A.	98.50
0-90	10563.86	N.A.	100.00
10-90	10209.52	N.A.	96.60
20-40	3377.63	N.A.	32.00
20-50	5287.77	N.A.	50.10
40-70	4933.54	N.A.	46.70
60-80	2022.82	N.A.	19.10
70-80	720.95	N.A.	6.80
80-90	163.74	N.A.	1.60
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	10563.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	354.34
10-20	1013.66
20-30	1533.16
30-40	1844.47
40-50	1910.14
50-60	1721.53
60-70	1301.87
70-80	720.95
80-90	163.74
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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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	15.2	16.9	15.6	17.2	17.5	15.2	16.9	15.6	17.2	17.5
	3H	17.0	18.5	17.4	18.8	19.2	17.0	18.5	17.4	18.8	19.2
	4H	17.7	19.0	18.1	19.4	19.8	17.7	19.1	18.1	19.4	19.8
	6H	18.1	19.4	18.5	19.7	20.1	18.1	19.4	18.5	19.8	20.1
	8H	18.2	19.4	18.6	19.8	20.2	18.2	19.4	18.6	19.8	20.2
	12H	18.2	19.4	18.7	19.8	20.2	18.3	19.4	18.7	19.8	20.3
4H	2H	15.9	17.3	16.3	17.6	18.0	15.9	17.3	16.3	17.6	18.0
	3H	17.9	19.0	18.3	19.4	19.8	17.9	19.0	18.3	19.4	19.8
	4H	18.6	19.7	19.0	20.1	20.5	18.6	19.7	19.1	20.1	20.5
	6H	19.1	20.1	19.6	20.5	21.0	19.2	20.1	19.6	20.5	21.0
	8H	19.3	20.2	19.8	20.6	21.1	19.3	20.2	19.8	20.6	21.1
	12H	19.4	20.2	19.9	20.6	21.1	19.4	20.2	19.9	20.7	21.1
8H	4H	18.9	19.8	19.4	20.2	20.7	18.9	19.8	19.4	20.2	20.7
	6H	19.5	20.3	20.0	20.7	21.2	19.5	20.3	20.0	20.8	21.2
	8H	19.8	20.4	20.3	20.9	21.4	19.8	20.4	20.3	20.9	21.4
	12H	19.9	20.5	20.4	20.9	21.5	19.9	20.5	20.4	21.0	21.5
12H	4H	18.9	19.7	19.4	20.2	20.6	18.9	19.7	19.4	20.2	20.7
	6H	19.6	20.2	20.1	20.7	21.2	19.6	20.3	20.1	20.7	21.2
	8H	19.8	20.4	20.4	20.9	21.5	19.9	20.4	20.4	20.9	21.5

Maximum UGR = 21.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAZESQ-48-LED35-MO-D1.IES

POLAR GRAPH