

IES INDOOR REPORT
PHOTOMETRIC FILENAME : REV506-AB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] Photopia for SOLIDWORKS 2022.1.14.11733 see: www.ltioptics.com/ies
[ISSUEDATE]
[TESTDATE] Sunday, February 22, 2026 3:05:10 PM
[TEST] 1
[MANUFAC]
[LUMINAIRE] REV-IES
[LAMP] 10MM DIAMETER LED & LENS
[LAMPCAT] LEDLENS10MM

CHARACTERISTICS

Lumens Per Lamp	689.997 (1 lamp)
Total Lamp Lumens	689.997
Luminaire Lumens	614
Total Luminaire Efficiency	89 %
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.51 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2	15	7528
55	0	5	444
65	0	0	25
75	0	0	19
85	0	0	10

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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>
0	830.02	830.02	830.02	830.02	830.02	830.02	830.02	830.02	830.02
5	835.57	831.60	829.85	814.83	790.41	779.58	774.26	770.79	757.03
10	773.16	772.12	763.12	746.24	719.38	699.45	698.18	697.73	683.54
15	652.26	647.74	651.59	635.59	625.16	589.40	591.99	582.77	579.52
20	545.76	537.47	544.67	537.05	511.04	498.42	504.38	506.66	486.96
25	429.50	425.82	425.22	420.46	415.43	416.70	414.37	409.14	400.08
30	265.94	283.40	316.40	306.46	313.30	301.74	312.66	304.06	309.65
35	50.63	75.64	150.91	204.47	210.02	212.65	212.65	206.17	209.73
40	0.02	1.20	22.78	91.04	131.44	131.42	133.16	131.16	130.90
45	0.02	0.04	0.18	17.89	69.44	84.50	85.16	79.95	85.54
50	0.02	0.03	0.07	0.69	24.70	54.58	55.91	51.89	52.72
55	0.00	0.01	0.06	0.14	4.35	29.62	35.85	32.82	36.16
60	0.00	0.00	0.03	0.12	0.33	10.96	23.73	22.29	23.06
65	0.00	0.00	0.00	0.09	0.25	2.44	14.71	15.08	15.84
70	0.00	0.00	0.00	0.06	0.22	0.49	6.15	11.11	10.81
75	0.00	0.00	0.00	0.02	0.19	0.39	1.37	7.68	6.91
80	0.00	0.00	0.00	0.00	0.13	0.38	0.56	1.92	1.93
85	0.00	0.00	0.00	0.00	0.10	0.35	0.54	0.68	0.71
90	0.00	0.00	0.00	0.00	0.05	0.28	0.52	0.67	0.72

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	247.60	35.90	40.30
0-30	437.14	63.40	71.20
0-40	551.63	79.90	89.90
0-60	606.40	87.90	98.80
0-80	613.52	88.90	99.90
0-90	613.85	89.00	100.00
10-90	539.78	78.20	87.90
20-40	304.02	44.10	49.50
20-50	344.20	49.90	56.10
40-70	60.13	8.70	9.80
60-80	7.11	1.00	1.20
70-80	1.76	0.30	0.30
80-90	0.34	0.00	0.10
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	613.85	89.00	100.00

Total Luminaire Efficiency = 89.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.08
10-20	173.53
20-30	189.54
30-40	114.48
40-50	40.18
50-60	14.60
60-70	5.35
70-80	1.76
80-90	0.34
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

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	106	106	106	106	103	103	103	103	99	99	99	95	95	95	91	91	91	89
1	101	98	96	94	99	96	94	93	93	91	90	90	88	87	87	86	85	83
2	96	91	88	85	94	90	87	84	87	84	82	84	82	80	82	80	79	77
3	91	85	81	77	89	84	80	77	82	78	75	80	77	74	77	75	73	72
4	86	80	75	71	85	79	74	70	77	73	70	75	72	69	73	70	68	67
5	82	75	69	66	81	74	69	65	72	68	65	71	67	64	69	66	64	62
6	78	70	65	61	77	69	64	61	68	64	60	67	63	60	66	62	59	58
7	74	66	61	57	73	65	60	57	64	60	56	63	59	56	62	59	56	55
8	71	62	57	53	70	62	57	53	61	56	53	60	56	53	59	55	52	51
9	67	59	54	50	66	58	53	50	58	53	50	57	53	50	56	52	49	48
10	64	56	51	47	63	55	50	47	55	50	47	54	50	47	53	49	47	46

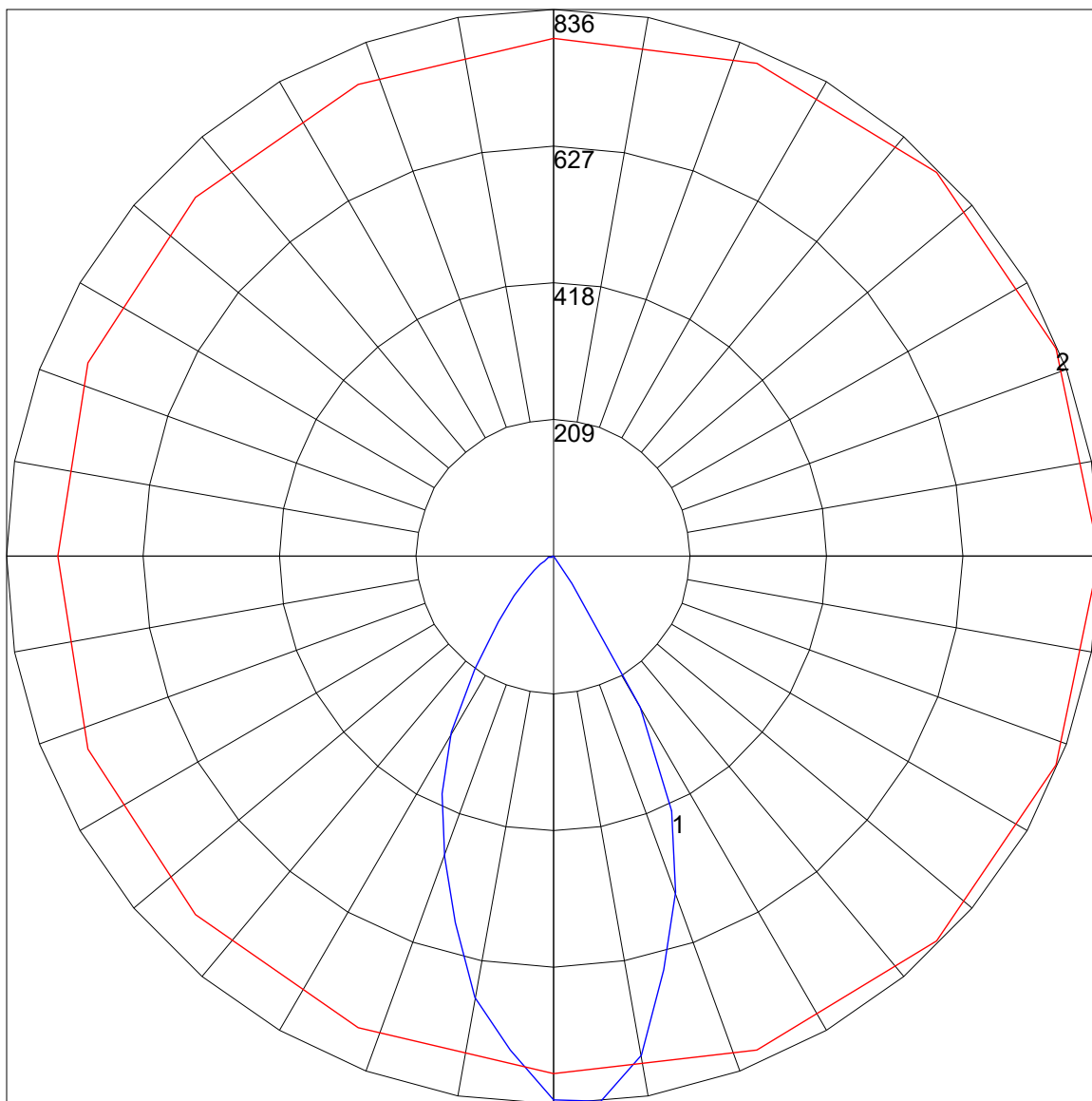
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UGR TABLE - CORRECTED

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	0.0	0.0	0.0	0.0	0.0	5.3	6.4	5.7	6.7	7.0
	3H	0.0	0.0	0.0	0.0	0.0	5.2	6.0	5.5	6.4	6.7
	4H	0.0	0.0	0.0	0.0	0.0	5.0	5.9	5.4	6.2	6.6
	6H	0.0	0.0	0.0	0.0	0.0	5.0	5.7	5.4	6.1	6.5
	8H	0.0	0.0	0.0	0.0	0.0	4.9	5.6	5.3	6.0	6.4
	12H	0.0	0.0	0.0	0.0	0.0	4.8	5.5	5.3	5.9	6.3
4H	2H	0.0	0.0	0.0	0.0	0.0	5.9	6.7	6.3	7.1	7.5
	3H	0.0	0.0	0.0	0.0	0.0	5.7	6.4	6.2	6.8	7.2
	4H	0.0	0.0	0.0	0.0	0.0	5.6	6.2	6.0	6.6	7.1
	6H	0.0	0.0	0.0	0.0	0.0	5.5	6.0	6.0	6.5	6.9
	8H	0.0	0.0	0.0	0.0	0.0	5.4	5.9	5.9	6.4	6.8
	12H	0.0	0.0	0.0	0.0	0.0	5.4	5.8	5.9	6.3	6.8
8H	4H	0.0	0.0	0.0	0.0	0.0	5.6	6.0	6.0	6.5	7.0
	6H	0.0	0.0	0.0	0.0	0.0	5.5	5.8	6.0	6.3	6.8
	8H	0.0	0.0	0.0	0.0	0.0	5.4	5.7	5.9	6.2	6.7
	12H	0.0	0.0	0.0	0.0	0.0	5.3	5.6	5.9	6.1	6.7
12H	4H	0.0	0.0	0.0	0.0	0.0	5.5	5.9	6.0	6.4	6.9
	6H	0.0	0.0	0.0	0.0	0.0	5.4	5.7	5.9	6.2	6.8
	8H	0.0	0.0	0.0	0.0	0.0	5.3	5.6	5.9	6.1	6.7

Maximum UGR = 7.5

POLAR GRAPH



Maximum Candela = 835.57 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)