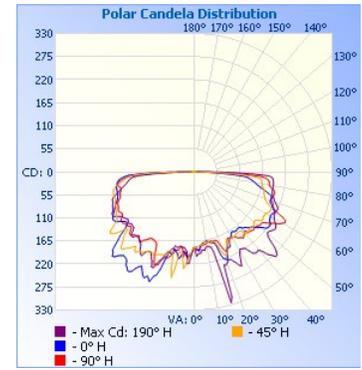


# KICHLER®

KICHLER PHOTOMETRIC LAB

**Filename:** CTR180965-RLM-WS14-72W-PRISMATIC  
**Manufacturer:** Kichler Lighting, LLC  
**Luminaire:** RLM-WS14 14" Warehouse Shade with Prismatic Jar  
**Luminaire Cat:** CTR180965-15  
**Lamp:** 72W 100W Replacement A19  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 1490  
**Max Candela:** 324.8 at Horizontal: 190°, Vertical: 16°  
**Input Wattage:** 72.4  
**Luminous Opening:** Ellipsoidal Spheroid (L: 14.04", W: 14.04", H: 5.52")  
**Test:** LM-79 Distribution  
**Test Lab:** Kichler Lighting, LLC  
**Photometry :** Type C  
**Nema Type:** 7 X 7



**Roadway Summary**

Cutoff Classification:	SEMICUTOFF
Distribution:	TYPE IV, VERY SHORT
Max Cd, 90 Deg Vert:	54.8
Max Cd, 80 to <90 Deg:	246.8
Lumens % Lamp	
Downward Street Side:	572.5 38.4%
Downward House Side:	625.1 42%
Downward Total:	1,197.5 80.4%
Upward Street Side:	3.6 0.2%
Upward House Side:	4.8 0.3%
Upward Total:	8.5 0.6%
Total Lumens:	1,206.0 80.9%

**Flood Summary**

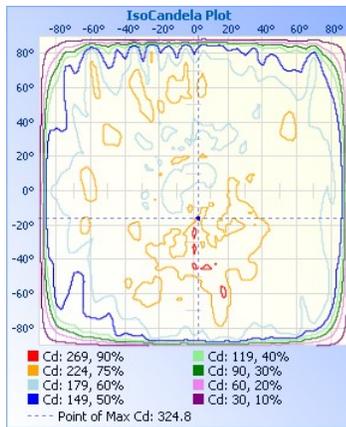
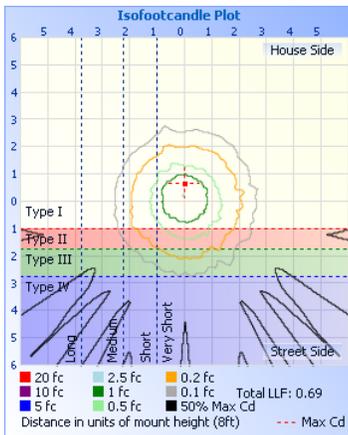
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	80.3%	1,196.4	179	179.2
Beam (50%):	76.4%	1,138.0	171.9	171.2
Total:	80.9%	1,205.7		

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	168.8	11.3%	14%
0-40	297.3	20%	24.7%
0-60	649.1	43.6%	53.8%
60-90	548.4	36.8%	45.5%
70-100	346.5	23.3%	28.7%
90-120	8.5	0.6%	0.7%
0-90	1,197.6	80.4%	99.3%
90-180	8.5	0.6%	0.7%
0-180	1,206.0	80.9%	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	17.8	1.5%	90-100	6.6	0.5%
10-20	54.2	4.5%	100-110	1.8	0.2%
20-30	96.8	8.0%	110-120	0.0	0%
30-40	128.5	10.7%	120-130	0	0%
40-50	163.2	13.5%	130-140	0	0%
50-60	188.6	15.6%	140-150	0	0%
60-70	208.5	17.3%	150-160	0	0%
70-80	197.8	16.4%	160-170	0	0%
80-90	142.1	11.8%	170-180	0	0%



**Illuminance at a Distance**

Center Beam fc	Beam Width
1.3ft: 107 fc	33.8 ft 36.8 ft
2.7ft: 24.9 fc	70.2 ft 76.5 ft
4.0ft: 11.3 fc	104.0 ft 113.3 ft
5.3ft: 6.45 fc	137.8 ft 150.1 ft
6.7ft: 4.04 fc	174.1 ft 189.7 ft
8.0ft: 2.83 fc	207.9 ft 226.5 ft

■ Vert. Spread: 171.2°  
 ■ Horiz. Spread: 171.9°



**Coefficients Of Utilization - Zonal Cavity Method**  
Effective Floor Cavity Reflectance: 20%

RCC %:	80			70			50			30			10			0		
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	.96	.96	.96	.96	.94	.94	.94	.80	.90	.90	.90	.86	.86	.86	.82	.82	.82	.80
1	.83	.77	.71	.67	.80	.75	.70	.58	.71	.67	.63	.68	.64	.61	.64	.62	.59	.57
2	.73	.64	.56	.50	.71	.62	.55	.45	.59	.53	.48	.56	.51	.46	.53	.49	.45	.43
3	.65	.54	.46	.39	.63	.53	.45	.35	.50	.43	.37	.47	.42	.37	.45	.40	.36	.34
4	.59	.47	.38	.31	.57	.46	.37	.29	.43	.36	.30	.41	.35	.30	.39	.34	.29	.27
5	.54	.41	.32	.26	.52	.40	.32	.24	.38	.31	.25	.36	.30	.25	.35	.29	.24	.22
6	.49	.36	.28	.22	.47	.36	.28	.21	.34	.27	.21	.32	.26	.21	.31	.25	.21	.19
7	.45	.33	.25	.19	.44	.32	.24	.18	.31	.24	.18	.29	.23	.18	.28	.22	.18	.16
8	.42	.30	.22	.16	.41	.29	.22	.16	.28	.21	.16	.27	.20	.16	.26	.20	.16	.14
9	.39	.27	.20	.14	.38	.26	.19	.14	.25	.19	.14	.24	.18	.14	.23	.18	.14	.12
10	.37	.25	.18	.13	.35	.24	.17	.12	.23	.17	.13	.23	.17	.13	.22	.16	.13	.11





Maximum lm: 0.5  
Field lm: 1,196.4  
Total lm: 1,205.7

Candela Table - Type C

Table with 27 columns (0-26) and 93 rows (0-92). Each cell contains a numerical value representing light intensity. The values are generally between 140 and 225, with some variations in the later rows.







**Luminaire Report Summary**

IESNA:LM-63-2002  
[LUMCAT] CTR180965-15  
[LUMINAIRE] RLM-WS14 14" Warehouse Shade with Prismatic Jar  
[LAMP] 72W 100W Replacement A19  
[TEST] LM-79 Distribution  
[TESTLAB] Kichler Lighting, LLC  
[ISSUEDATE] 2/12/2020  
[MANUFAC] Kichler Lighting, LLC  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 73  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.