

**Filename: RLM-WS14 Shade-Amber Jar-72W-Photometric Report**

Manufacturer: Kichler Lighting LLC

Luminaire: WS14-14" Warehouse Shade

Luminaire Cat: CTR180951-05

Lamp: 72W 100W Replacement A19

Lamp Output: 1 lamp, rated Lumens/lamp: 1490

Max Candela: 299.1 at Horizontal: 340°, Vertical: 2°

Input Wattage: 72.5

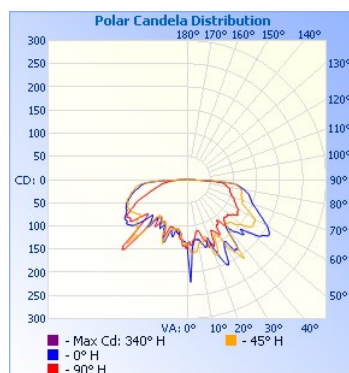
Luminous Opening: Ellipsoidal Spheroid (L: 14.04", W: 14.04", H: 5.52")

Test: LM-79 Distribution

Test Lab: Kichler Lighting LLC

Photometry : Type C

Nema Type: 7 X 7

**Roadway Summary**

Cutoff Classification: CUTOFF

Distribution: TYPE III, VERY SHORT

Max Cd, 90 Deg Vert: 4.8

Max Cd, 80 to &lt;90 Deg: 137.0

	Lumens	% Lamp
Downward Street Side:	405.0	27.2%
Downward House Side:	363.5	24.4%
Downward Total:	768.5	51.6%
Upward Street Side:	0.3	0%
Upward House Side:	0.4	0%
Upward Total:	0.6	0%
Total Lumens:	769.1	51.6%

**Flood Summary**

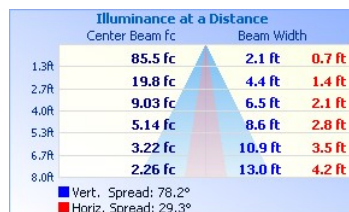
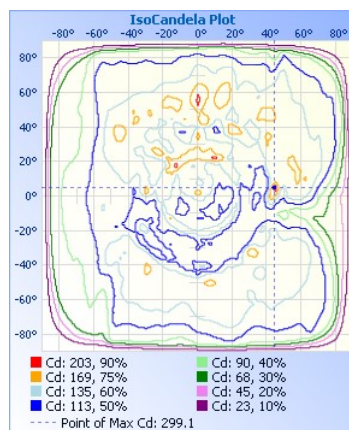
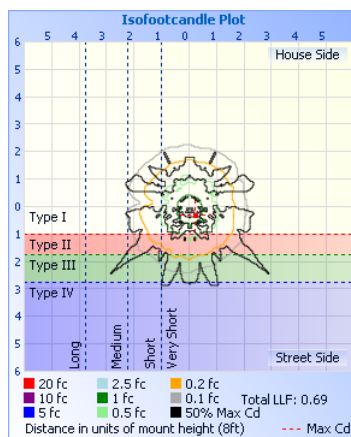
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	51.4%	766.5	175.2	175.9
Beam (50%):	40.5%	603.6	29.3	78.2
Total:	51.6%	768.9		

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	111.1	7.5%	14.4%
0-40	186.3	12.5%	24.2%
0-60	428.8	28.8%	55.7%
60-90	339.7	22.8%	44.2%
70-100	203.3	13.6%	26.4%
90-120	0.6	0%	0.1%
0-90	768.5	51.6%	99.9%
90-180	0.6	0%	0.1%
0-180	769.1	51.6%	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	12.7	1.7%	90-100	0.6	0.1%
10-20	35.6	4.6%	100-110	0.0	0%
20-30	62.8	8.2%	110-120	0	0%
30-40	75.2	9.8%	120-130	0	0%
40-50	107.7	14.0%	130-140	0	0%
50-60	134.7	17.5%	140-150	0	0%
60-70	137.0	17.8%	150-160	0	0%
70-80	124.0	16.1%	160-170	0	0%
80-90	78.7	10.2%	170-180	0	0%



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	0
RCR: 0	.61	.61	.61	.61	.60	.60	.60	.52	.57	.57	.57	.52
1	.53	.49	.46	.43	.52	.48	.45	.38	.46	.43	.41	.37
2	.47	.41	.36	.32	.45	.40	.36	.29	.38	.34	.31	.28
3	.42	.35	.29	.25	.40	.34	.29	.23	.32	.28	.24	.22
4	.38	.30	.24	.20	.36	.29	.24	.19	.28	.23	.20	.18
5	.34	.26	.21	.17	.33	.26	.20	.16	.25	.20	.16	.15
6	.31	.23	.18	.14	.30	.23	.18	.13	.22	.17	.14	.12
7	.29	.21	.16	.12	.28	.21	.16	.12	.20	.15	.12	.10
8	.27	.19	.14	.11	.26	.19	.14	.10	.18	.13	.10	.09
9	.25	.17	.13	.09	.24	.17	.12	.09	.16	.12	.09	.08
10	.23	.16	.11	.08	.23	.16	.11	.08	.15	.11	.08	.07

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Maximum lm: 0.4  
Field lm: 766.5  
Total lm: 768.9

Candela Table - Type C

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	2	
0	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	1		
1	176	167	161	156	151	150	147	146	144	142	143	141	140	138	137	137	138	136	136	136	135	134	135	134	135	134	134	133	134	133	131	132	132	132	133	133	138	138	137	137	136	137	136	137	136	137	137	1
2	221	196	183	171	175	165	160	154	152	150	150	146	142	142	143	137	134	133	134	136	136	136	136	135	135	134	134	133	132	133	132	133	133	133	134	132	134	134	135	134	133	132	133	133	132	134	136	1
3	184	183	188	176	171	171	175	178	165	161	151	148	147	147	144	146	145	144	142	139	137	135	136	140	138	135	134	132	132	132	132	132	131	133	132	132	133	131	130	130	133	132	132	134	135	136	1	
4	152	154	154	159	158	152	153	162	166	161	164	164	150	148	152	152	145	141	142	139	139	138	137	135	137	135	135	133	130	131	130	130	130	132	134	136	132	131	127	128	131	130	131	133	136	136	135	1
5	143	143	139	144	151	147	144	154	158	159	160	152	163	156	144	141	140	136	134	132	133	133	131	131	128	130	126	127	123	125	124	125	124	126	126	131	128	129	125	127	127	125	126	129	132	129	130	1
6	136	140	142	142	141	145	145	156	152	153	165	159	160	155	137	129	133	134	130	130	129	128	125	123	120	122	118	117	117	116	115	115	114	115	117	117	121	120	121	120	118	122	124	123	121	122	1	
7	131	138	139	143	138	142	152	156	154	159	157	156	149	151	145	131	134	129	128	125	124	121	120	118	116	116	114	115	113	113	111	112	112	111	113	113	114	115	114	112	113	116	119	118	115	117	1	
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file:///C:/ProgramData/PhotometricsPro/temp/RLM-WS14\_Shade-Amber\_Jar-72W-Photo... 2/14/2020





**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] LM-79 Distribution  
[TESTLAB] Kichler Lighting LLC  
[ISSUEDATE] 2/14/2020  
[MANUFAC] Kichler Lighting LLC  
[LUMCAT] CTR180951-05  
[LUMINAIRE] WS14-14" Warehouse Shade  
[LAMP] 72W 100W Replacement A19  
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.