



**PICASSO LIGHTING INDUSTRIES, LLC**  
46 Sellers Street, Kearny, NJ 07032  
201.246.8188

## **Indoor Distribution Test Report**

# **Picasso Lighting Industries, LLC**

46 Sellers St.  
Kearny, NJ 07032

### **Photopia Photometric Analysis & Optical Design**

#### **Catalog Number**

JUL-R-4-DR50-30-80-OW-W

Juliette - White Sheet Metal Housing - Direct Round Opal Lens

#### **Test Number**

IES-P00134

#### **Test Date**

Tue Jan 22 14:26:08 2019

The results contained in this report pertain only to the tested sample.  
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**JUL-R-4-DR50-30-80-OW-W**  
Juliette - White Sheet Metal Housing - Direct Round Opal Lens  
LED (3000K, 80+ CRI)



Image may differ slightly from actual unit.

**Summary of Results**

**Output:**

<b>Watts:</b>	53.77 W
<b>Lumens:</b>	5,001.71 lm
<b>Efficiency:</b>	N/A
<b>Efficacy:</b>	93.02 lm/W

**Spacing Criterion**

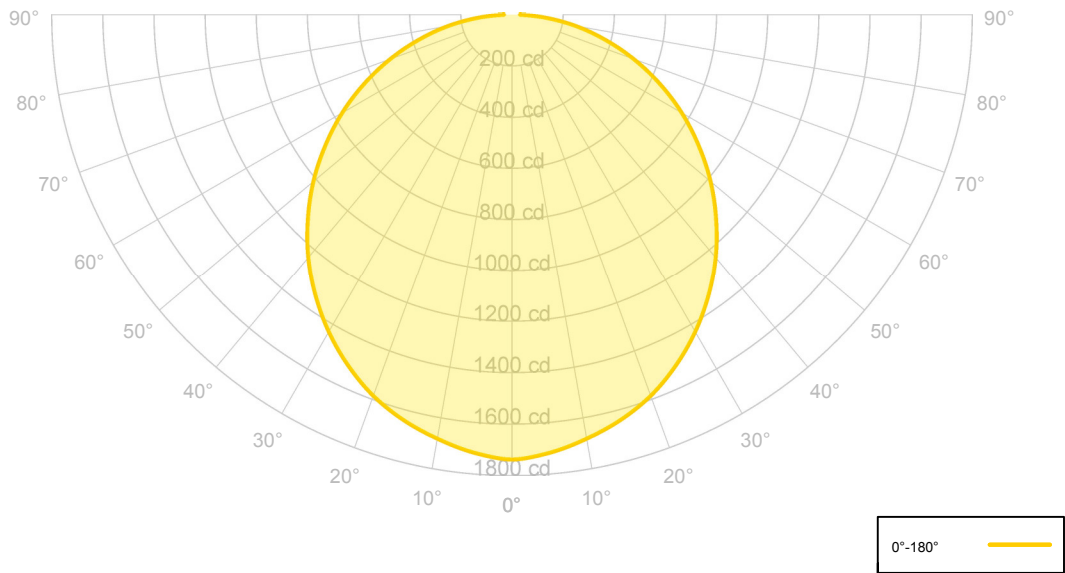
<b>Two luminaires, plane 0°</b>	1.23
<b>Two luminaires, plane 90°</b>	1.23
<b>Four luminaires</b>	1.35

**Full Beam Angle**

<b>0° - 180°</b>	111.78°
<b>90° - 270°</b>	111.78°

Calculated results may not be representative of field performance.  
Ballast factors have not been applied.

**Candela Polar Plot**



**Zonal Lumen Summary**

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	172.48	3.45%	90° - 100°	8.65	0.17%
10° - 20°	461.32	9.22%	100° - 110°	0.00	0.00%
20° - 30°	695.89	13.91%	100° - 120°	0.00	0.00%
30° - 40°	836.02	16.71%	120° - 130°	0.00	0.00%
40° - 50°	868.54	17.36%	130° - 140°	0.00	0.00%
50° - 60°	794.68	15.89%	140° - 150°	0.00	0.00%
60° - 70°	628.51	12.57%	150° - 160°	0.00	0.00%
70° - 80°	397.46	7.95%	160° - 170°	0.00	0.00%
80° - 90°	146.82	2.94%	170° - 180°	0.00	0.00%
0° - 90°	5,001.71	100.00%	0° - 180°	5,001.71	100.00%



**Candela Distribution**

	<b>0.00°</b>
<b>0.00°</b>	<b>1,737.44</b>
<b>5.00°</b>	1,717.28
<b>10.00°</b>	1,681.98
<b>15.00°</b>	1,639.89
<b>20.00°</b>	1,585.58
<b>25.00°</b>	1,514.75
<b>30.00°</b>	1,432.94
<b>35.00°</b>	1,340.16
<b>40.00°</b>	1,239.21
<b>45.00°</b>	1,128.61
<b>50.00°</b>	1,013.54
<b>55.00°</b>	890.88
<b>60.00°</b>	766.26
<b>65.00°</b>	636.67
<b>70.00°</b>	506.15
<b>75.00°</b>	375.86
<b>80.00°</b>	252.32
<b>85.00°</b>	128.32
<b>90.00°</b>	31.55

**Average Luminaire Luminance [cd/m²]**

	<b>0.00°</b>	<b>45.00°</b>	<b>90.00°</b>
<b>0.00°</b>	1,583	0	0
<b>45.00°</b>	1,454	0	0
<b>55.00°</b>	1,415	0	0
<b>65.00°</b>	1,373	0	0
<b>75.00°</b>	1,323	0	0
<b>85.00°</b>	1,341	0	0



**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

<b>RCR</b>	<b>pf<sub>c</sub></b>	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	<b>pc<sub>c</sub></b>	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	<b>pw</b>	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	<b>0</b>	5,963	5,963	5,963	5,963	5,823	5,823	5,823	5,823	5,562	5,562	5,562	5,324	5,324	5,324	5,105	5,105	5,105	5,002
	<b>1</b>	5,415	5,161	4,934	4,730	5,275	5,046	4,839	4,651	4,829	4,659	4,502	4,631	4,491	4,362	4,447	4,335	4,230	4,122
	<b>2</b>	4,909	4,479	4,124	3,825	4,774	4,383	4,056	3,778	4,201	3,926	3,688	4,034	3,804	3,601	3,879	3,689	3,519	3,407
	<b>3</b>	4,468	3,923	3,502	3,166	4,341	3,842	3,451	3,136	3,690	3,354	3,078	3,549	3,263	3,022	3,418	3,176	2,969	2,856
	<b>4</b>	4,087	3,471	3,019	2,675	3,969	3,403	2,981	2,655	3,274	2,907	2,616	3,155	2,837	2,579	3,044	2,770	2,542	2,431
	<b>5</b>	3,757	3,098	2,639	2,299	3,649	3,041	2,609	2,285	2,932	2,551	2,259	2,831	2,496	2,233	2,737	2,443	2,207	2,098
	<b>6</b>	3,469	2,789	2,332	2,005	3,371	2,740	2,309	1,995	2,648	2,263	1,976	2,562	2,219	1,957	2,481	2,177	1,939	1,833
	<b>7</b>	3,217	2,528	2,082	1,769	3,128	2,487	2,063	1,762	2,408	2,026	1,748	2,334	1,991	1,734	2,265	1,956	1,721	1,619
	<b>8</b>	2,995	2,308	1,875	1,578	2,915	2,272	1,860	1,573	2,204	1,829	1,562	2,141	1,800	1,551	2,081	1,772	1,541	1,444
<b>9</b>	2,799	2,118	1,702	1,420	2,726	2,088	1,689	1,416	2,029	1,664	1,408	1,974	1,640	1,399	1,923	1,616	1,391	1,298	
<b>10</b>	2,625	1,955	1,555	1,288	2,559	1,929	1,544	1,285	1,878	1,523	1,278	1,830	1,503	1,272	1,785	1,483	1,265	1,176	

**Cone of Light**

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	48 fc	18 ft	18 ft
8 ft	27 fc	24 ft	24 ft
10 ft	17 fc	30 ft	30 ft
12 ft	12 fc	35 ft	35 ft
15 ft	8 fc	44 ft	44 ft