



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

KAY-PWD-4-D5-I10-30-80-FWD.5-MC-W

KAYLA 1/2" Drop - 4' Up/Downlight - White Housing - Frosted White / Matte Clear Lenses

Test Number

IES-P00323

Test Date

Mon Mar 30 10:11:07 2020

The results contained in this report pertain only to the tested sample.
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KAY-PWD-4-D5-I10-30-80-FWD.5-MC-W
KAYLA 1/2" Drop - 4' Up/Downlight - White Housing - Frosted White / Matte Clear Lenses
LED (3000K 80+ CRI)



Image may differ slightly from actual unit.

Summary of Results

Output:

Watts:	69.76 W
Lumens:	6,095.83 lm
Efficiency:	N/A
Efficacy:	85.67 lm/W

Spacing Criterion

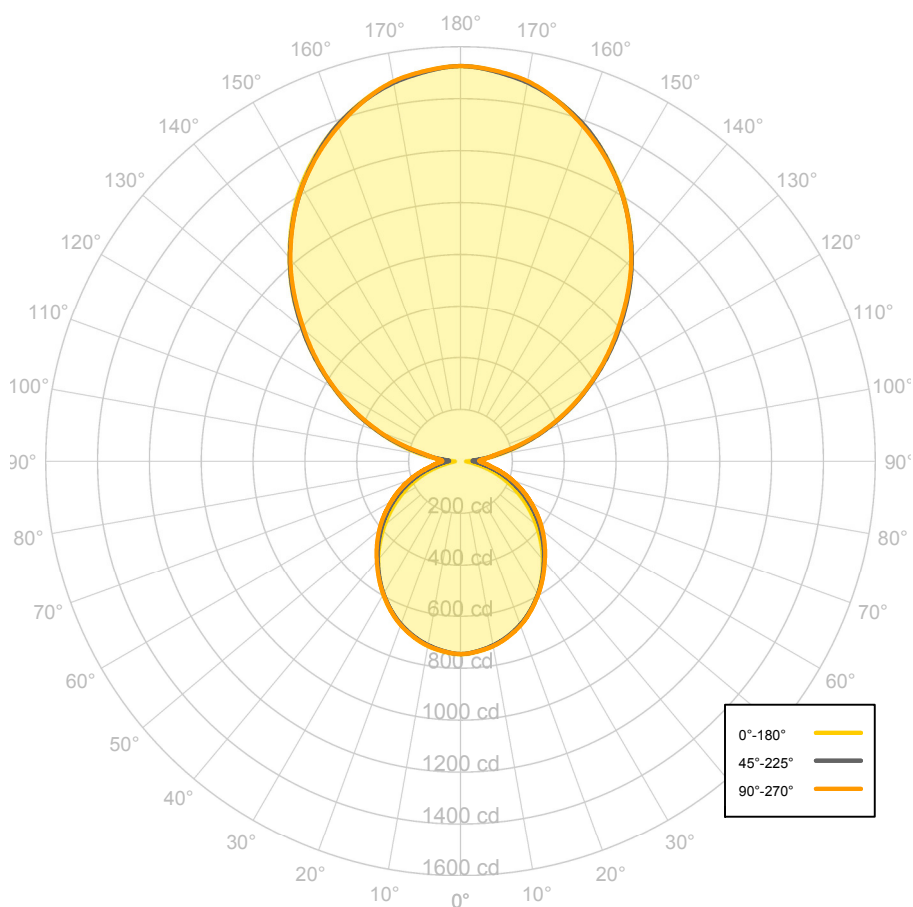
Two luminaires, plane 0°	1.18
Two luminaires, plane 90°	1.19
Four luminaires	1.3

Full Beam Angle

0° - 180°	360°
90° - 270°	360°

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°	126.15	2.07%	90° - 100°	102.77	1.69%
10° - 20°	195.29	3.20%	100° - 110°	254.72	4.18%
20° - 30°	289.69	4.75%	100° - 120°	700.42	11.49%
30° - 40°	339.12	5.56%	120° - 130°	603.07	9.89%
40° - 50°	342.72	5.62%	130° - 140°	695.31	11.41%
50° - 60°	304.80	5.00%	140° - 150°	696.39	11.42%
60° - 70°	232.35	3.81%	150° - 160°	594.16	9.75%
70° - 80°	142.37	2.34%	160° - 170°	400.32	6.57%
80° - 90°	72.73	1.19%	170° - 180°	258.18	4.24%
0° - 90°	2,045.21	33.55%	0° - 180°	6,095.83	100.00%



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	746.82	746.82	746.82	746.82	746.82
10.00°	725.89	728.48	723.78	724.39	726.66
20.00°	673.23	673.89	673.37	674.57	676.68
30.00°	595.95	597.52	595.53	597.51	597.58
40.00°	493.22	495.16	498.96	503.32	505.04
50.00°	381.21	388.19	398.79	409.87	410.25
60.00°	266.48	276.76	292.39	305.58	308.24
70.00°	155.60	167.17	186.71	200.04	206.83
80.00°	56.07	69.87	90.93	108.39	114.57
90.00°	21.03	26.17	45.24	64.33	71.71
100.00°	149.85	154.32	144.85	135.77	134.92
110.00°	337.96	345.75	346.69	343.42	340.13
120.00°	563.39	569.38	568.36	565.43	565.06
130.00°	796.19	796.95	801.03	794.81	792.43
140.00°	1,026.40	1,027.98	1,028.05	1,021.43	1,024.57
150.00°	1,229.84	1,226.30	1,224.42	1,221.05	1,224.09
160.00°	1,383.52	1,380.45	1,384.21	1,382.72	1,377.38
170.00°	1,487.75	1,490.55	1,483.63	1,488.46	1,489.56
180.00°	1,525.24	1,525.24	1,525.24	1,525.24	1,525.24

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	9,646	9,646	9,646
45.00°	7,216	3,247	2,740
55.00°	6,328	2,448	2,059
65.00°	5,248	1,714	1,458
75.00°	3,777	1,035	927
85.00°	2,573	547	565



Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	6,293	6,293	6,293	6,293	5,675	5,675	5,675	5,675	4,523	4,523	4,523	3,469	3,469	3,469	2,500	2,500	2,500	2,045
	1	5,724	5,460	5,224	5,011	5,151	4,930	4,732	4,552	3,938	3,802	3,676	3,027	2,938	2,855	2,187	2,133	2,082	1,695
	2	5,210	4,767	4,401	4,094	4,681	4,309	3,999	3,735	3,450	3,231	3,043	2,657	2,511	2,383	1,924	1,833	1,752	1,419
	3	4,752	4,189	3,754	3,407	4,267	3,792	3,419	3,119	3,043	2,777	2,558	2,350	2,169	2,017	1,707	1,592	1,494	1,206
	4	4,346	3,706	3,237	2,878	3,902	3,359	2,954	2,642	2,703	2,411	2,179	2,095	1,893	1,729	1,529	1,399	1,291	1,040
	5	3,987	3,299	2,818	2,463	3,581	2,994	2,577	2,266	2,418	2,112	1,878	1,882	1,667	1,499	1,381	1,241	1,129	909
	6	3,670	2,955	2,475	2,131	3,298	2,687	2,268	1,964	2,177	1,867	1,636	1,702	1,482	1,314	1,256	1,111	997	804
	7	3,390	2,663	2,192	1,861	3,050	2,425	2,012	1,719	1,972	1,663	1,438	1,548	1,327	1,162	1,151	1,003	890	718
	8	3,143	2,414	1,955	1,640	2,830	2,202	1,799	1,518	1,797	1,493	1,276	1,417	1,197	1,037	1,060	912	801	648
	9	2,924	2,200	1,757	1,457	2,636	2,010	1,619	1,351	1,647	1,349	1,140	1,304	1,088	932	982	835	727	589
10	2,730	2,016	1,589	1,305	2,464	1,845	1,467	1,212	1,516	1,227	1,027	1,207	994	845	914	769	664	540	

Cone of Light

Mtg Height	Light Level	0°-180° Beam Diameter	90°-270° Beam Diameter
6 ft	21 fc	0 ft	0 ft
8 ft	12 fc	0 ft	0 ft
10 ft	7 fc	0 ft	0 ft
12 ft	5 fc	0 ft	0 ft
15 ft	3 fc	0 ft	0 ft