

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1244878

Luminaire Tested: PRLX-MIN-L-940-27L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-MIN-L-940-27L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

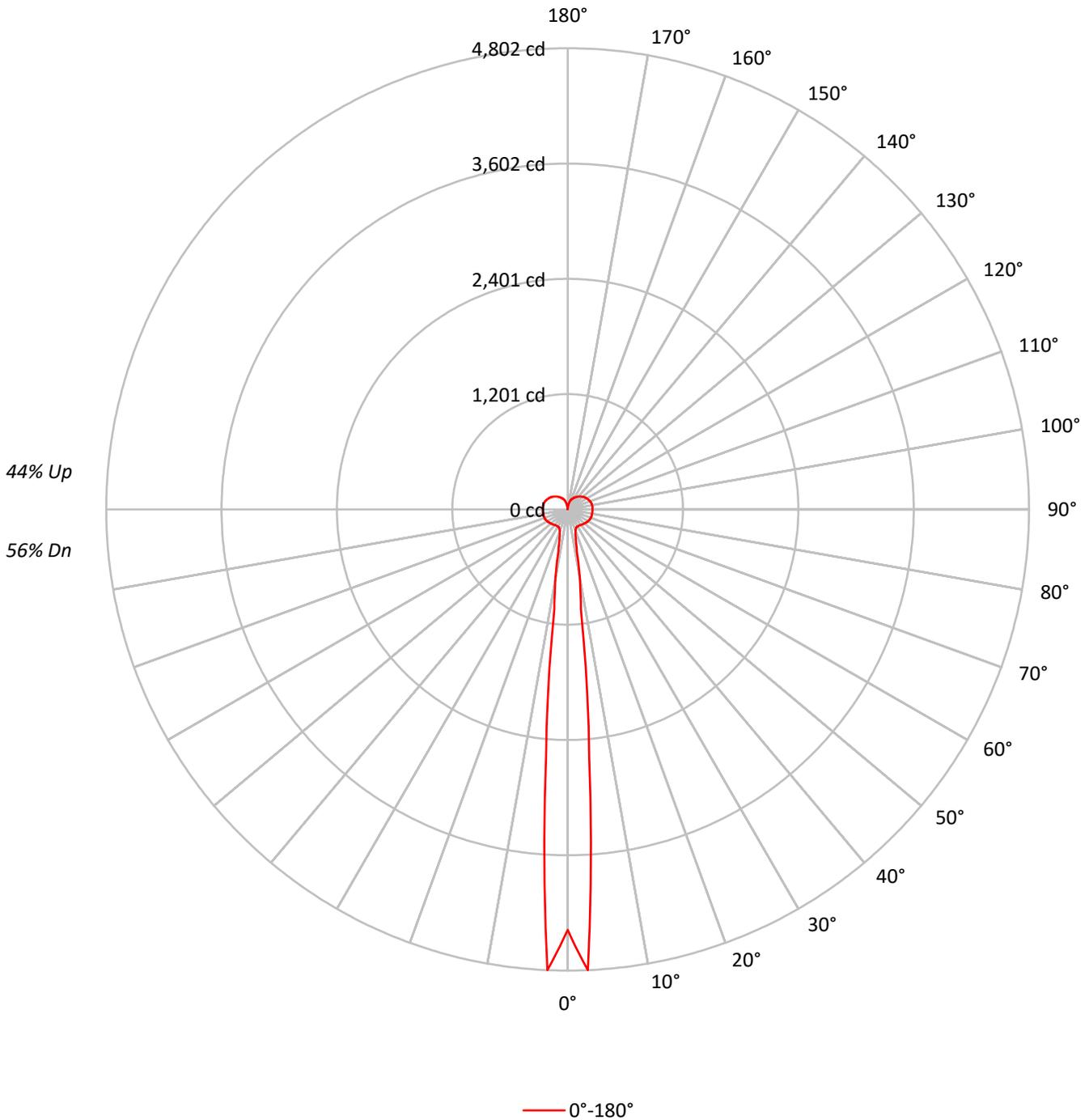
Lumens per Lamp: N/A
Luminaire Lumens: 3020.1 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138488
5°	63508
10°	14803
15°	5652
20°	3650
25°	2906
30°	2581
35°	2413
40°	2334
45°	2296
50°	2277
55°	2291
60°	2308
65°	2342
70°	2364
75°	2390
80°	2392
85°	2441

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	6.1
10°-20°	101.7	3.4
20°-30°	99.1	3.3
30°-40°	130.0	4.3
40°-50°	170.4	5.6
50°-60°	212.2	7.0
60°-70°	249.5	8.3
70°-80°	272.9	9.0
80°-90°	282.3	9.3
90°-100°	282.7	9.4
100°-110°	268.7	8.9
110°-120°	237.7	7.9
120°-130°	195.8	6.5
130°-140°	147.7	4.9
140°-150°	99.8	3.3
150°-160°	58.5	1.9
160°-170°	24.1	0.8
170°-180°	2.3	0.1
0°-30°	385.4	12.8
0°-40°	515.4	17.1
0°-60°	898.0	29.7
0°-90°	1702.8	56.4
90°-120°	789.2	26.1
90°-150°	1232.5	40.8
90°-180°	1317.0	43.6
0°-180°	3020.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4378	
5°	2575	185
15°	324	102
25°	211	99
35°	206	130
45°	220	170
55°	236	212
65°	252	250
75°	259	273
85°	259	211
90°	259	142
95°	259	212
105°	255	269
115°	240	238
125°	218	196
135°	191	148
145°	158	100
155°	126	58
165°	85	24
175°	12	2
180°	2	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4377.5
2.5°	4802.1
5°	2574.7
7.5°	1047.8
10°	727.8
12.5°	445.8
15°	324.5
17.5°	269.9
20°	238.1
22.5°	221.4
25°	210.8
27.5°	206.2
30°	204.7
32.5°	204.7
35°	206.2
37.5°	207.7
40°	212.3
42.5°	215.3
45°	219.9
47.5°	224.4
50°	227.4
52.5°	232.0
55°	236.5
57.5°	241.1
60°	244.1
62.5°	248.7
65°	251.7
67.5°	254.7
70°	256.3
72.5°	257.8
75°	259.3
77.5°	257.8
80°	257.8
82.5°	257.8
85°	259.3
87.5°	259.3
90°	259.3
92.5°	259.3
95°	259.3
97.5°	259.3
100°	257.8
102.5°	256.3
105°	254.7
107.5°	251.7
110°	248.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244.1
115°	239.6
117.5°	235.0
120°	229.0
122.5°	224.4
125°	218.3
127.5°	212.3
130°	204.7
132.5°	198.6
135°	191.1
137.5°	182.0
140°	174.4
142.5°	166.8
145°	157.7
147.5°	150.1
150°	142.5
152.5°	133.4
155°	125.9
157.5°	116.8
160°	107.7
162.5°	97.0
165°	84.9
167.5°	68.2
170°	47.0
172.5°	28.8
175°	12.1
177.5°	3.0
180°	1.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.5	11.5	11.4	12.5	13.6	10.5	11.5	11.4	12.5	13.6
	3H	13.5	14.5	14.4	15.4	16.6	13.5	14.5	14.4	15.4	16.6
	4H	14.9	15.9	15.8	16.8	18.0	14.9	15.9	15.8	16.8	18.0
	6H	16.3	17.2	17.3	18.1	19.3	16.3	17.2	17.3	18.1	19.3
	8H	17.0	17.8	17.9	18.8	20.0	17.0	17.8	17.9	18.8	20.0
	12H	17.7	18.4	18.6	19.4	20.6	17.7	18.4	18.6	19.4	20.6
4H	2H	11.3	12.2	12.2	13.1	14.3	11.3	12.2	12.2	13.1	14.3
	3H	14.5	15.3	15.4	16.2	17.4	14.5	15.3	15.4	16.2	17.4
	4H	16.0	16.8	17.0	17.7	19.0	16.0	16.8	17.0	17.7	19.0
	6H	17.6	18.3	18.5	19.2	20.5	17.6	18.3	18.5	19.2	20.5
	8H	18.4	19.0	19.3	20.0	21.2	18.4	19.0	19.3	20.0	21.2
	12H	19.1	19.7	20.1	20.7	21.9	19.1	19.7	20.1	20.7	21.9
8H	4H	16.6	17.2	17.5	18.1	19.4	16.6	17.2	17.5	18.1	19.4
	6H	18.3	18.8	19.3	19.9	21.1	18.3	18.8	19.3	19.9	21.1
	8H	19.2	19.7	20.2	20.7	22.0	19.2	19.7	20.2	20.7	22.0
	12H	20.2	20.6	21.1	21.6	22.9	20.2	20.6	21.1	21.6	22.9
12H	4H	16.7	17.2	17.6	18.2	19.5	16.7	17.2	17.6	18.2	19.5
	6H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3
	8H	19.5	19.9	20.5	20.9	22.2	19.5	19.9	20.5	20.9	22.2

(END OF REPORT)