

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: P1244872

Luminaire Tested: PRLX-MIN-L-940-20L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244872
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: PrentaLux
Catalog Number: PRLX-MIN-L-940-20L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

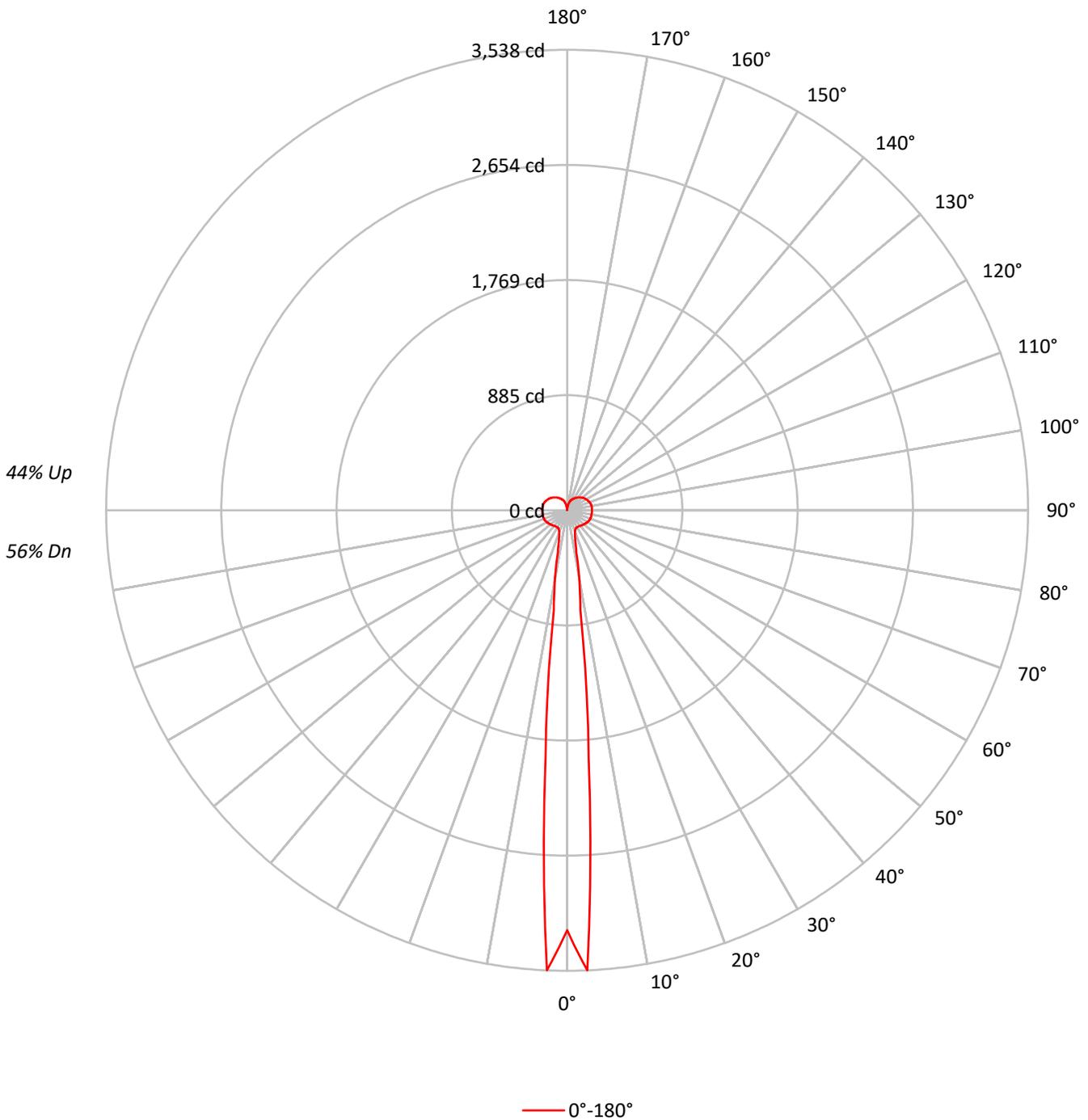
Lumens per Lamp: N/A
Luminaire Lumens: 2224.9 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1244872

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244872

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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	37	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°	102034
5°	46789
10°	10906
15°	4164
20°	2689
25°	2141
30°	1901
35°	1777
40°	1719
45°	1691
50°	1678
55°	1689
60°	1701
65°	1725
70°	1741
75°	1760
80°	1762
85°	1798

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1839 cd/sqm



TEST NUMBER: P1244872

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	6.1
10°-20°	74.9	3.4
20°-30°	73.0	3.3
30°-40°	95.8	4.3
40°-50°	125.6	5.6
50°-60°	156.3	7.0
60°-70°	183.9	8.3
70°-80°	201.0	9.0
80°-90°	207.9	9.3
90°-100°	208.2	9.4
100°-110°	198.0	8.9
110°-120°	175.2	7.9
120°-130°	144.2	6.5
130°-140°	108.8	4.9
140°-150°	73.5	3.3
150°-160°	43.1	1.9
160°-170°	17.7	0.8
170°-180°	1.7	0.1
0°-30°	283.9	12.8
0°-40°	379.7	17.1
0°-60°	661.6	29.7
0°-90°	1254.4	56.4
90°-120°	581.4	26.1
90°-150°	908.0	40.8
90°-180°	971.0	43.6
0°-180°	2224.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3225	
5°	1897	136
15°	239	75
25°	155	73
35°	152	96
45°	162	126
55°	174	156
65°	185	184
75°	191	201
85°	191	156
90°	191	105
95°	191	156
105°	188	198
115°	176	175
125°	161	144
135°	141	109
145°	116	74
155°	93	43
165°	63	18
175°	9	2
180°	1	

TEST NUMBER: P1244872

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3225.2
2.5°	3538.0
5°	1896.9
7.5°	771.9
10°	536.2
12.5°	328.4
15°	239.1
17.5°	198.8
20°	175.4
22.5°	163.1
25°	155.3
27.5°	151.9
30°	150.8
32.5°	150.8
35°	151.9
37.5°	153.0
40°	156.4
42.5°	158.6
45°	162.0
47.5°	165.3
50°	167.6
52.5°	170.9
55°	174.3
57.5°	177.6
60°	179.9
62.5°	183.2
65°	185.4
67.5°	187.7
70°	188.8
72.5°	189.9
75°	191.0
77.5°	189.9
80°	189.9
82.5°	189.9
85°	191.0
87.5°	191.0
90°	191.0
92.5°	191.0
95°	191.0
97.5°	191.0
100°	189.9
102.5°	188.8
105°	187.7
107.5°	185.4
110°	183.2

TEST NUMBER: P1244872

CATALOG NUMBER: PRLX-MIN-L-940-20L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	179.9
115°	176.5
117.5°	173.2
120°	168.7
122.5°	165.3
125°	160.9
127.5°	156.4
130°	150.8
132.5°	146.3
135°	140.8
137.5°	134.1
140°	128.5
142.5°	122.9
145°	116.2
147.5°	110.6
150°	105.0
152.5°	98.3
155°	92.7
157.5°	86.0
160°	79.3
162.5°	71.5
165°	62.6
167.5°	50.3
170°	34.6
172.5°	21.2
175°	8.9
177.5°	2.2
180°	1.1



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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	9.4	10.5	10.3	11.4	12.6	9.4	10.5	10.3	11.4	12.6
	3H	12.4	13.4	13.3	14.3	15.5	12.4	13.4	13.3	14.3	15.5
	4H	13.9	14.8	14.8	15.7	16.9	13.9	14.8	14.8	15.7	16.9
	6H	15.3	16.1	16.2	17.1	18.3	15.3	16.1	16.2	17.1	18.3
	8H	15.9	16.8	16.9	17.7	18.9	15.9	16.8	16.9	17.7	18.9
	12H	16.6	17.4	17.5	18.3	19.6	16.6	17.4	17.5	18.3	19.6
4H	2H	10.2	11.1	11.1	12.1	13.3	10.2	11.1	11.1	12.1	13.3
	3H	13.4	14.2	14.3	15.1	16.4	13.4	14.2	14.3	15.1	16.4
	4H	15.0	15.7	15.9	16.7	17.9	15.0	15.7	15.9	16.7	17.9
	6H	16.5	17.2	17.5	18.2	19.4	16.5	17.2	17.5	18.2	19.4
	8H	17.3	17.9	18.2	18.9	20.1	17.3	17.9	18.2	18.9	20.1
	12H	18.1	18.6	19.0	19.6	20.9	18.1	18.6	19.0	19.6	20.9
8H	4H	15.5	16.1	16.4	17.1	18.3	15.5	16.1	16.4	17.1	18.3
	6H	17.2	17.8	18.2	18.8	20.0	17.2	17.8	18.2	18.8	20.0
	8H	18.2	18.6	19.1	19.6	20.9	18.2	18.6	19.1	19.6	20.9
	12H	19.1	19.5	20.1	20.5	21.8	19.1	19.5	20.1	20.5	21.8
12H	4H	15.6	16.2	16.6	17.2	18.4	15.6	16.2	16.6	17.2	18.4
	6H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2
	8H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1

(END OF REPORT)