

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: P1244995

Luminaire Tested: PRLX-MIN-S-940-09L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-940-09L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

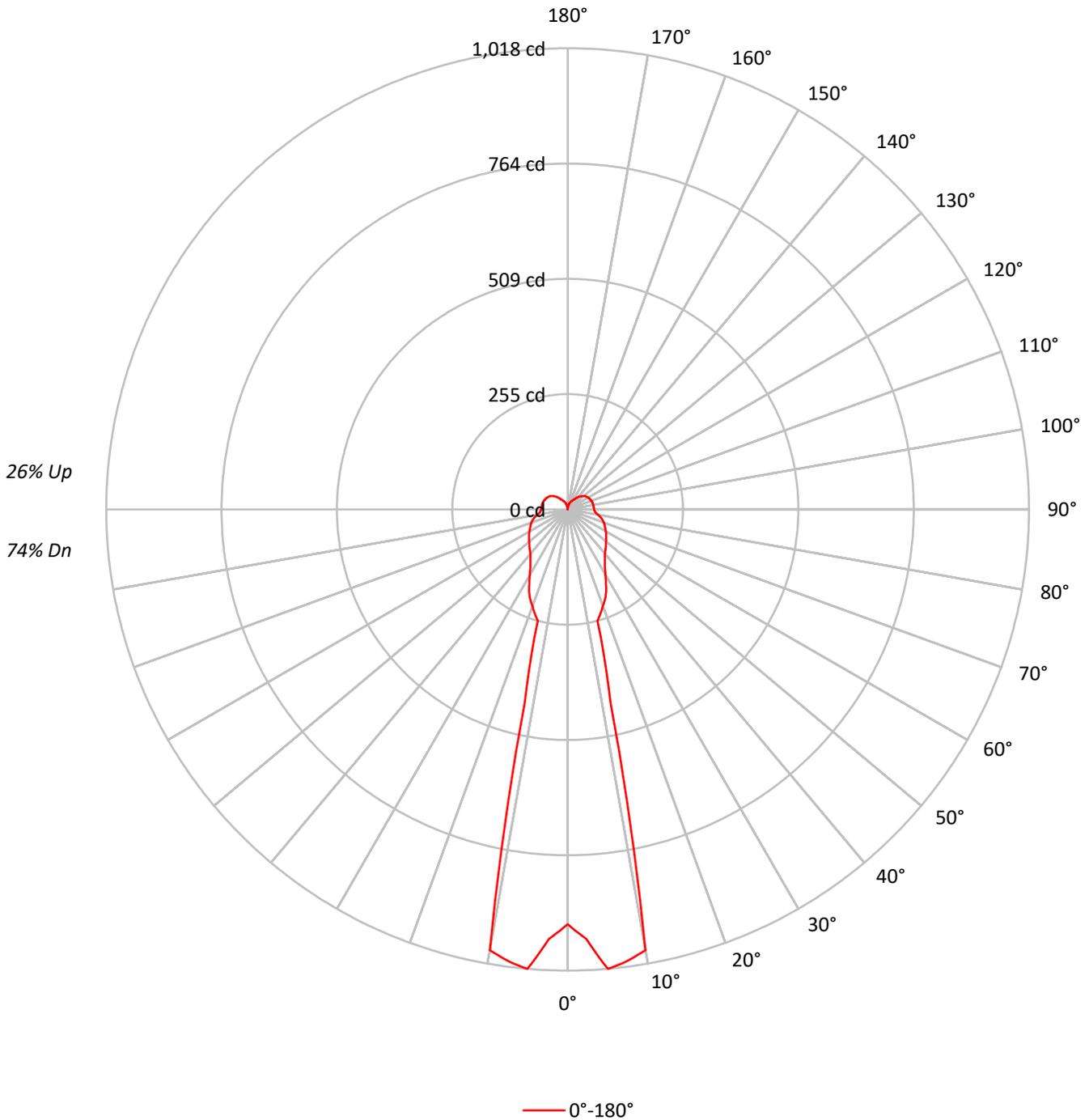
Lumens per Lamp: N/A
Luminaire Lumens: 1085.1 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 21.3
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: P1244995

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-PS

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76	74	71	69	66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63	65	61	57	58	55	52	49
3	85	74	66	60	80	71	63	58	64	58	53	58	53	49	52	48	45	42
4	78	67	58	52	74	63	56	50	58	51	46	52	47	43	47	43	40	37
5	72	60	52	46	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	33	30
7	63	51	42	37	60	49	41	36	45	38	34	41	36	32	38	33	30	28
8	59	47	39	34	56	45	38	33	42	35	31	38	33	29	35	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	33	29	26	24
10	53	41	34	29	50	39	33	28	37	31	27	34	29	26	32	27	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25238
5°	25107
10°	22205
15°	5284
20°	4417
25°	3708
30°	2948
35°	2436
40°	2124
45°	1937
50°	1782
55°	1671
60°	1571
65°	1483
70°	1416
75°	1329
80°	1217
85°	1135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1937 cd/sqm



TEST NUMBER: P1244995

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	8.8
10°-20°	100.3	9.2
20°-30°	91.3	8.4
30°-40°	90.3	8.3
40°-50°	91.9	8.5
50°-60°	93.1	8.6
60°-70°	90.2	8.3
70°-80°	81.5	7.5
80°-90°	67.1	6.2
90°-100°	63.0	5.8
100°-110°	60.0	5.5
110°-120°	53.7	4.9
120°-130°	44.4	4.1
130°-140°	31.7	2.9
140°-150°	18.2	1.7
150°-160°	9.5	0.9
160°-170°	3.6	0.3
170°-180°	0.3	0.0
0°-30°	286.6	26.4
0°-40°	376.9	34.7
0°-60°	561.9	51.8
0°-90°	800.7	73.8
90°-120°	176.6	16.3
90°-150°	271.0	25.0
90°-180°	284.0	26.2
0°-180°	1085.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	916	
5°	1018	95
15°	254	100
25°	201	91
35°	143	90
45°	119	92
55°	104	93
65°	91	90
75°	77	82
85°	61	51
90°	58	32
95°	57	47
105°	56	60
115°	54	54
125°	50	44
135°	41	32
145°	28	18
155°	20	9
165°	12	4
175°	1	0
180°	0	

TEST NUMBER: P1244995

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	915.9
2.5°	949.2
5°	1018.2
7.5°	1005.7
10°	988.3
12.5°	437.2
15°	254.3
17.5°	241.0
20°	226.9
22.5°	215.3
25°	201.1
27.5°	182.9
30°	167.1
32.5°	152.9
35°	143.0
37.5°	134.6
40°	128.0
42.5°	123.0
45°	118.9
47.5°	114.7
50°	110.5
52.5°	107.2
55°	103.9
57.5°	100.6
60°	97.2
62.5°	93.9
65°	90.6
67.5°	88.1
70°	84.8
72.5°	81.5
75°	77.3
77.5°	73.1
80°	68.2
82.5°	63.2
85°	60.7
87.5°	59.0
90°	58.2
92.5°	58.2
95°	57.4
97.5°	57.4
100°	57.4
102.5°	57.4
105°	56.5
107.5°	56.5
110°	55.7



TEST NUMBER: P1244995

CATALOG NUMBER: PRLX-MIN-S-940-09L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	54.9
115°	54.0
117.5°	53.2
120°	52.4
122.5°	50.7
125°	49.9
127.5°	48.2
130°	45.7
132.5°	44.1
135°	40.7
137.5°	38.2
140°	34.9
142.5°	31.6
145°	28.3
147.5°	25.8
150°	24.1
152.5°	22.4
155°	19.9
157.5°	18.3
160°	16.6
162.5°	15.0
165°	12.5
167.5°	10.0
170°	6.6
172.5°	3.3
175°	0.8
177.5°	0.0
180°	0.0



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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	11.6	11.2	12.4	13.2	10.5	11.6	11.2	12.4	13.2
	3H	12.8	13.8	13.5	14.6	15.5	12.8	13.8	13.5	14.6	15.5
	4H	13.8	14.8	14.6	15.6	16.5	13.8	14.8	14.6	15.6	16.5
	6H	14.8	15.7	15.5	16.5	17.4	14.8	15.7	15.5	16.5	17.4
	8H	15.2	16.1	16.0	16.9	17.8	15.2	16.1	16.0	16.9	17.8
	12H	15.6	16.5	16.4	17.3	18.2	15.6	16.5	16.4	17.3	18.2
4H	2H	11.1	12.1	11.8	12.8	13.7	11.1	12.1	11.8	12.8	13.7
	3H	13.6	14.4	14.4	15.2	16.2	13.6	14.4	14.4	15.2	16.2
	4H	14.8	15.6	15.6	16.4	17.3	14.8	15.6	15.6	16.4	17.3
	6H	15.9	16.6	16.7	17.4	18.4	15.9	16.6	16.7	17.4	18.4
	8H	16.4	17.1	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
	12H	16.9	17.5	17.7	18.4	19.3	16.9	17.5	17.7	18.4	19.3
8H	4H	15.2	15.8	16.0	16.6	17.6	15.2	15.8	16.0	16.6	17.6
	6H	16.5	17.0	17.3	17.9	18.9	16.5	17.0	17.3	17.9	18.9
	8H	17.1	17.6	17.9	18.5	19.5	17.1	17.6	17.9	18.5	19.5
	12H	17.8	18.2	18.6	19.1	20.1	17.8	18.2	18.6	19.1	20.1
12H	4H	15.2	15.8	16.1	16.7	17.7	15.2	15.8	16.1	16.7	17.7
	6H	16.6	17.1	17.4	17.9	19.0	16.6	17.1	17.4	17.9	19.0
	8H	17.3	17.7	18.1	18.6	19.6	17.3	17.7	18.1	18.6	19.6

(END OF REPORT)