

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: P1244996

Luminaire Tested: PRLX-MIN-S-940-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244996
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-940-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

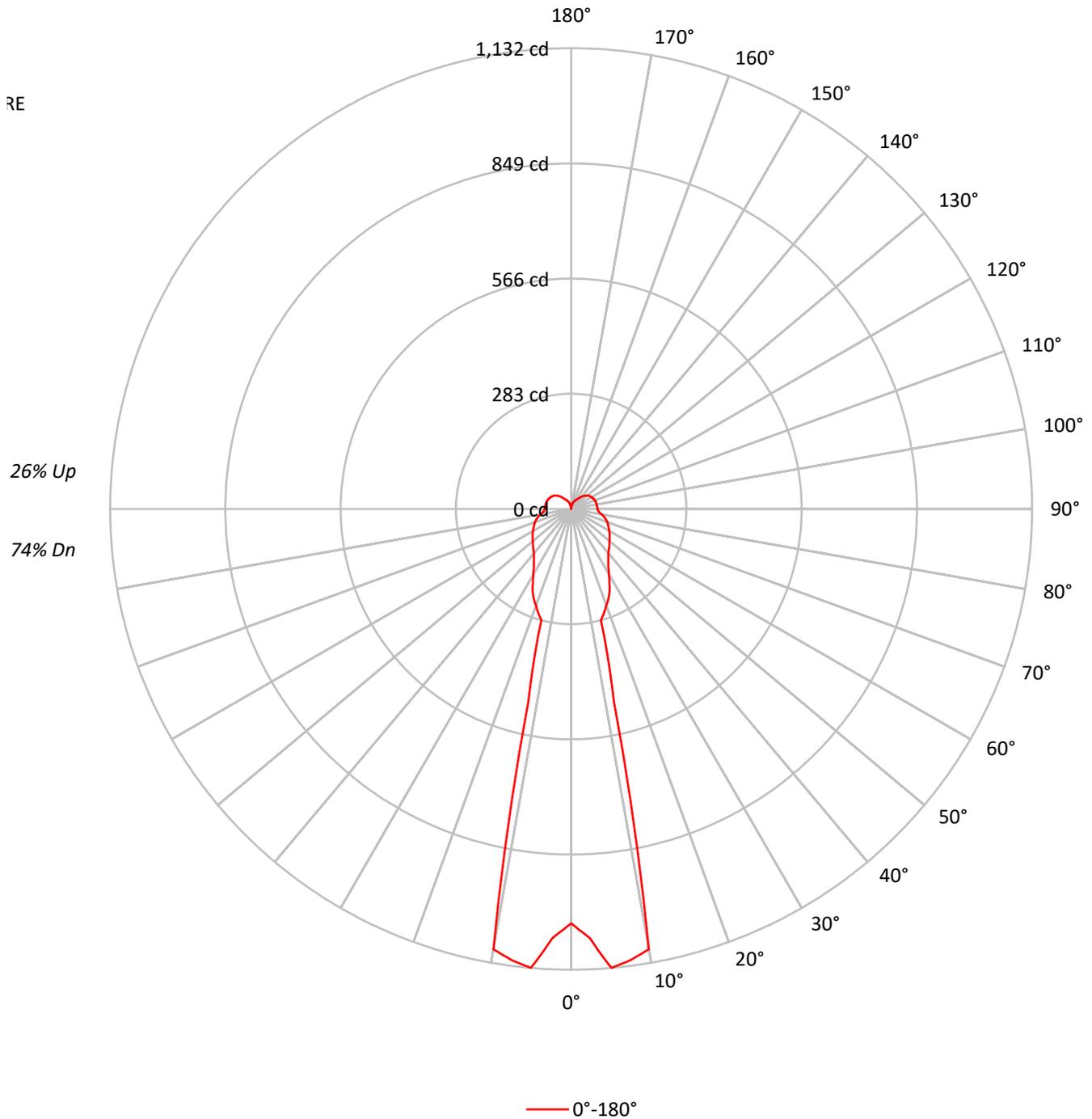
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1206.0 lumens
Efficiency: N/A
Efficacy: 41.7 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): 28.9
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: P1244996
CATALOG NUMBER: PRLX-MIN-S-940-12L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1244996

CATALOG NUMBER: PRLX-MIN-S-940-12L-U-NL

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°	28054
5°	27906
10°	24680
15°	5874
20°	4909
25°	4123
30°	3276
35°	2707
40°	2361
45°	2152
50°	1982
55°	1857
60°	1747
65°	1648
70°	1573
75°	1477
80°	1353
85°	1260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2152 cd/sqm

TEST NUMBER: P1244996

CATALOG NUMBER: PRLX-MIN-S-940-12L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	8.8
10°-20°	111.4	9.2
20°-30°	101.5	8.4
30°-40°	100.4	8.3
40°-50°	102.2	8.5
50°-60°	103.5	8.6
60°-70°	100.2	8.3
70°-80°	90.6	7.5
80°-90°	74.6	6.2
90°-100°	69.9	5.8
100°-110°	66.7	5.5
110°-120°	59.6	4.9
120°-130°	49.4	4.1
130°-140°	35.3	2.9
140°-150°	20.2	1.7
150°-160°	10.5	0.9
160°-170°	4.0	0.3
170°-180°	0.3	0.0
0°-30°	318.5	26.4
0°-40°	418.9	34.7
0°-60°	624.6	51.8
0°-90°	890.0	73.8
90°-120°	196.2	16.3
90°-150°	301.1	25.0
90°-180°	316.0	26.2
0°-180°	1206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	1132	106
15°	283	111
25°	224	101
35°	159	100
45°	132	102
55°	116	103
65°	101	100
75°	86	91
85°	67	57
90°	65	36
95°	64	52
105°	63	67
115°	60	60
125°	55	49
135°	45	35
145°	31	20
155°	22	11
165°	14	4
175°	1	0
180°	0	

TEST NUMBER: P1244996

CATALOG NUMBER: PRLX-MIN-S-940-12L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1018.1
2.5°	1055.0
5°	1131.7
7.5°	1117.9
10°	1098.5
12.5°	485.9
15°	282.7
17.5°	267.9
20°	252.2
22.5°	239.3
25°	223.6
27.5°	203.2
30°	185.7
32.5°	170.0
35°	158.9
37.5°	149.7
40°	142.3
42.5°	136.7
45°	132.1
47.5°	127.5
50°	122.9
52.5°	119.2
55°	115.5
57.5°	111.8
60°	108.1
62.5°	104.4
65°	100.7
67.5°	97.9
70°	94.2
72.5°	90.5
75°	85.9
77.5°	81.3
80°	75.8
82.5°	70.2
85°	67.4
87.5°	65.6
90°	64.7
92.5°	64.7
95°	63.7
97.5°	63.7
100°	63.7
102.5°	63.7
105°	62.8
107.5°	62.8
110°	61.9

TEST NUMBER: P1244996

CATALOG NUMBER: PRLX-MIN-S-940-12L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.0
115°	60.1
117.5°	59.1
120°	58.2
122.5°	56.4
125°	55.4
127.5°	53.6
130°	50.8
132.5°	49.0
135°	45.3
137.5°	42.5
140°	38.8
142.5°	35.1
145°	31.4
147.5°	28.6
150°	26.8
152.5°	24.9
155°	22.2
157.5°	20.3
160°	18.5
162.5°	16.6
165°	13.9
167.5°	11.1
170°	7.4
172.5°	3.7
175°	0.9
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	10.8	12.0	11.5	12.7	13.6	10.8	12.0	11.5	12.7	13.6
	3H	13.1	14.2	13.9	14.9	15.9	13.1	14.2	13.9	14.9	15.9
	4H	14.2	15.2	14.9	15.9	16.9	14.2	15.2	14.9	15.9	16.9
	6H	15.2	16.1	15.9	16.9	17.8	15.2	16.1	15.9	16.9	17.8
	8H	15.6	16.5	16.3	17.3	18.2	15.6	16.5	16.3	17.3	18.2
	12H	16.0	16.8	16.8	17.6	18.6	16.0	16.8	16.8	17.6	18.6
4H	2H	11.4	12.4	12.2	13.2	14.1	11.4	12.4	12.2	13.2	14.1
	3H	14.0	14.8	14.7	15.6	16.5	14.0	14.8	14.7	15.6	16.5
	4H	15.2	15.9	15.9	16.7	17.7	15.2	15.9	15.9	16.7	17.7
	6H	16.3	17.0	17.1	17.8	18.8	16.3	17.0	17.1	17.8	18.8
	8H	16.8	17.4	17.6	18.3	19.2	16.8	17.4	17.6	18.3	19.2
	12H	17.3	17.9	18.1	18.7	19.7	17.3	17.9	18.1	18.7	19.7
8H	4H	15.5	16.2	16.3	17.0	18.0	15.5	16.2	16.3	17.0	18.0
	6H	16.8	17.4	17.7	18.3	19.2	16.8	17.4	17.7	18.3	19.2
	8H	17.5	18.0	18.3	18.8	19.8	17.5	18.0	18.3	18.8	19.8
	12H	18.1	18.6	19.0	19.4	20.5	18.1	18.6	19.0	19.4	20.5
12H	4H	15.6	16.2	16.4	17.0	18.0	15.6	16.2	16.4	17.0	18.0
	6H	17.0	17.5	17.8	18.3	19.3	17.0	17.5	17.8	18.3	19.3
	8H	17.7	18.1	18.5	19.0	20.0	17.7	18.1	18.5	19.0	20.0

(END OF REPORT)