

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: P1245461

Luminaire Tested: PRLX-UNA-S-930-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-930-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

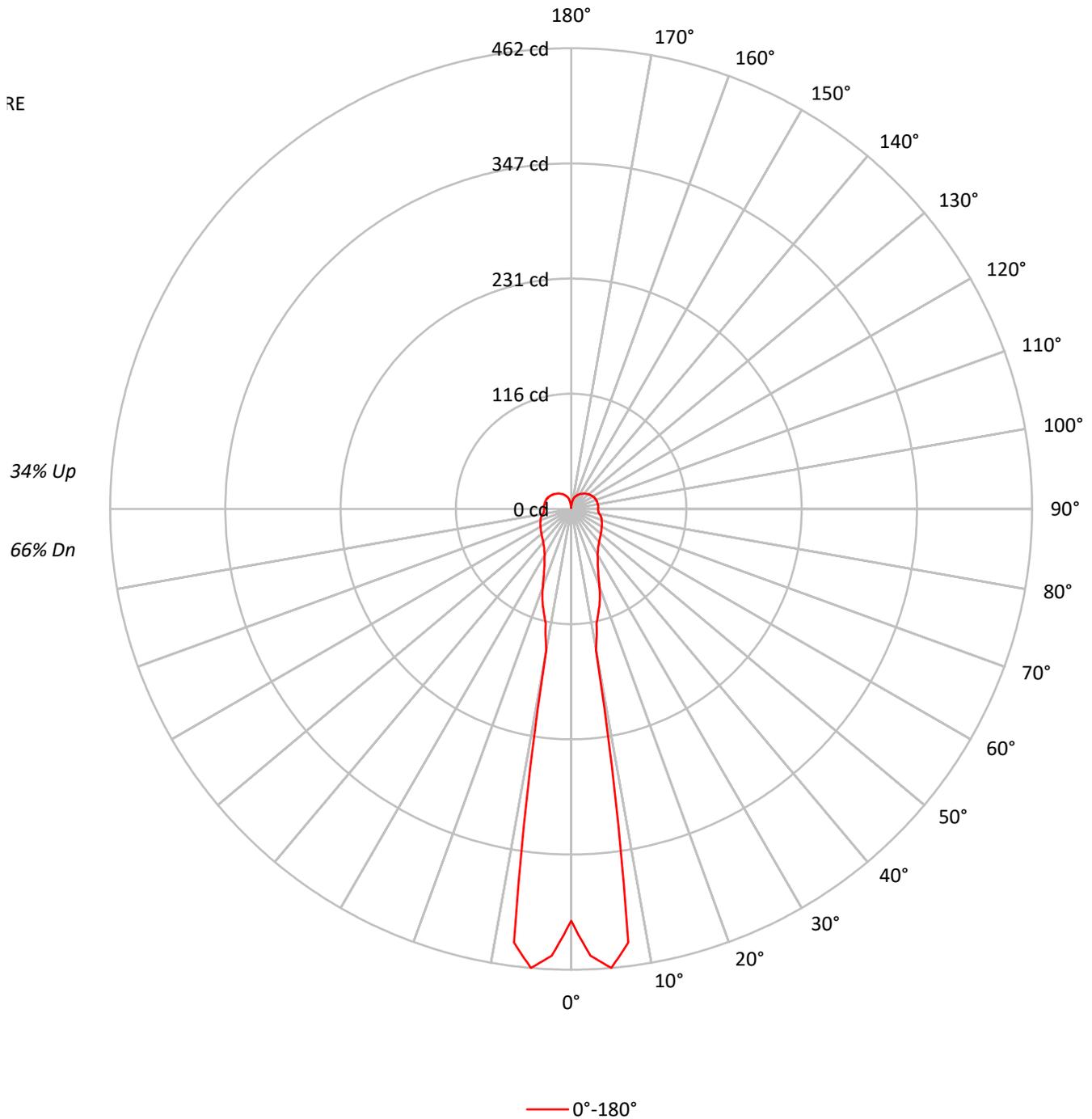
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-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	111	111	111	111	105	105	105	105	92	92	92		81	81	81		71	71	71	66
1	99	94	89	84	93	88	84	80	78	74	71		68	65	63		59	57	55	51
2	90	81	74	68	84	77	70	65	68	63	58		59	55	52		52	49	46	42
3	82	72	64	57	77	68	60	55	60	54	49		53	48	44		46	43	40	36
4	76	64	56	49	71	61	53	47	54	48	43		48	43	39		42	38	35	32
5	70	58	49	43	66	55	47	41	49	43	38		44	38	34		38	34	31	28
6	65	53	44	38	61	50	42	37	45	39	34		40	35	31		36	32	28	26
7	61	48	40	35	57	46	39	33	42	35	31		37	32	28		33	29	26	24
8	57	45	37	31	54	43	35	30	39	33	28		35	30	26		31	27	24	22
9	54	42	34	29	51	40	33	28	36	30	26		33	28	24		30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24		31	26	23		28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20232
5°	18772
10°	5030
15°	3281
20°	2307
25°	1612
30°	1254
35°	1051
40°	923
45°	833
50°	764
55°	712
60°	673
65°	641
70°	613
75°	589
80°	556
85°	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 833 cd/sqm



TEST NUMBER: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	8.4
10°-20°	29.9	6.9
20°-30°	29.7	6.9
30°-40°	29.8	6.9
40°-50°	31.7	7.3
50°-60°	33.2	7.7
60°-70°	33.7	7.8
70°-80°	32.8	7.6
80°-90°	30.0	6.9
90°-100°	29.7	6.9
100°-110°	28.4	6.6
110°-120°	25.8	6.0
120°-130°	21.6	5.0
130°-140°	16.7	3.9
140°-150°	11.7	2.7
150°-160°	7.2	1.7
160°-170°	3.3	0.8
170°-180°	0.5	0.1
0°-30°	95.9	22.2
0°-40°	125.7	29.1
0°-60°	190.6	44.1
0°-90°	287.1	66.4
90°-120°	83.9	19.4
90°-150°	133.9	31.0
90°-180°	145.0	33.6
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	413	
5°	462	36
15°	106	30
25°	63	30
35°	47	30
45°	41	32
55°	37	33
65°	34	34
75°	31	33
85°	27	23
90°	27	15
95°	27	22
105°	27	28
115°	26	26
125°	24	22
135°	22	17
145°	19	12
155°	15	7
165°	12	3
175°	4	1
180°	1	

TEST NUMBER: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	413.0
2.5°	448.4
5°	461.9
7.5°	438.5
10°	143.9
12.5°	117.6
15°	106.3
17.5°	95.7
20°	82.9
22.5°	71.2
25°	63.2
27.5°	57.7
30°	52.9
32.5°	50.0
35°	47.1
37.5°	45.3
40°	43.5
42.5°	42.0
45°	40.9
47.5°	39.8
50°	38.7
52.5°	38.0
55°	36.9
57.5°	36.1
60°	35.4
62.5°	34.7
65°	34.0
67.5°	33.2
70°	32.5
72.5°	32.1
75°	31.0
77.5°	30.3
80°	28.8
82.5°	27.7
85°	27.4
87.5°	27.0
90°	27.0
92.5°	27.0
95°	27.4
97.5°	27.4
100°	27.0
102.5°	27.0
105°	27.0
107.5°	26.7
110°	26.7

TEST NUMBER: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	26.3
115°	25.9
117.5°	25.6
120°	25.2
122.5°	24.5
125°	24.1
127.5°	23.4
130°	23.0
132.5°	22.3
135°	21.5
137.5°	20.8
140°	20.1
142.5°	19.4
145°	18.6
147.5°	17.9
150°	17.2
152.5°	16.4
155°	15.3
157.5°	14.6
160°	13.5
162.5°	12.8
165°	11.7
167.5°	10.2
170°	8.4
172.5°	6.6
175°	4.4
177.5°	2.2
180°	1.1



TEST NUMBER: P1245461

CATALOG NUMBER: PRLX-UNA-S-930-05L-U-NL

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	6.8	7.9	7.6	8.7	9.7	6.8	7.9	7.6	8.7	9.7
	3H	9.3	10.3	10.1	11.1	12.1	9.3	10.3	10.1	11.1	12.1
	4H	10.5	11.4	11.3	12.2	13.3	10.5	11.4	11.3	12.2	13.3
	6H	11.6	12.4	12.4	13.3	14.4	11.6	12.4	12.4	13.3	14.4
	8H	12.1	12.9	12.9	13.8	14.8	12.1	12.9	12.9	13.8	14.8
	12H	12.6	13.4	13.4	14.2	15.3	12.6	13.4	13.4	14.2	15.3
4H	2H	7.5	8.4	8.3	9.2	10.3	7.5	8.4	8.3	9.2	10.3
	3H	10.1	10.9	11.0	11.8	12.9	10.1	10.9	11.0	11.8	12.9
	4H	11.4	12.2	12.3	13.1	14.2	11.4	12.2	12.3	13.1	14.2
	6H	12.7	13.4	13.6	14.3	15.4	12.7	13.4	13.6	14.3	15.4
	8H	13.3	13.9	14.2	14.8	15.9	13.3	13.9	14.2	14.8	15.9
	12H	13.9	14.5	14.8	15.4	16.5	13.9	14.5	14.8	15.4	16.5
8H	4H	11.9	12.5	12.7	13.4	14.5	11.9	12.5	12.7	13.4	14.5
	6H	13.3	13.9	14.2	14.8	15.9	13.3	13.9	14.2	14.8	15.9
	8H	14.1	14.5	15.0	15.5	16.6	14.1	14.5	15.0	15.5	16.6
	12H	14.8	15.3	15.7	16.2	17.3	14.8	15.3	15.7	16.2	17.3
12H	4H	11.9	12.5	12.8	13.4	14.5	11.9	12.5	12.8	13.4	14.5
	6H	13.5	14.0	14.4	14.9	16.0	13.5	14.0	14.4	14.9	16.0
	8H	14.3	14.7	15.2	15.6	16.8	14.3	14.7	15.2	15.6	16.8

(END OF REPORT)