

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: P1245252

Luminaire Tested: PRLX-NIM-S-935-05L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-935-05L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

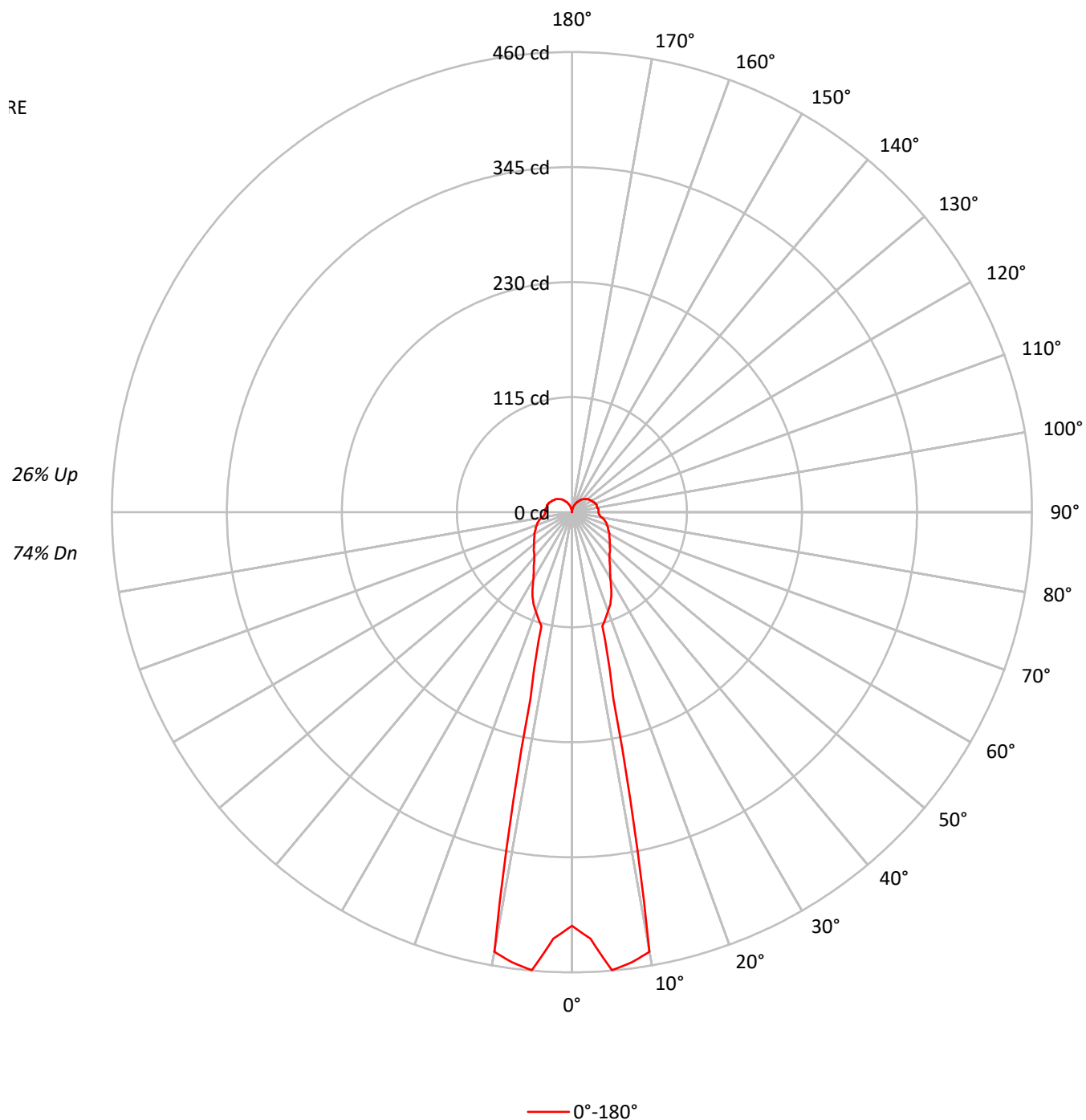
Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-U-NL

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	96	96	96	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	64	58	64	58	53	58	53	49	52	48	45	42		
4	78	67	58	52	74	64	56	50	58	52	47	52	47	43	47	43	40	37		
5	72	60	52	46	69	58	50	44	53	46	41	48	43	39	44	39	36	33		
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30		
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28		
8	59	47	39	34	56	45	38	33	42	36	31	39	33	30	36	31	28	26		
9	56	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24		
10	53	41	34	29	51	40	33	28	37	31	27	34	29	26	32	28	24	23		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13082
5°	12908
10°	11350
15°	2757
20°	2300
25°	1915
30°	1512
35°	1255
40°	1071
45°	970
50°	879
55°	811
60°	766
65°	710
70°	675
75°	642
80°	580
85°	551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 970 cd/sqm

TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	8.7
10°-20°	45.5	9.3
20°-30°	42.3	8.6
30°-40°	41.7	8.5
40°-50°	41.6	8.5
50°-60°	41.3	8.4
60°-70°	39.8	8.1
70°-80°	36.3	7.4
80°-90°	30.2	6.1
90°-100°	28.9	5.9
100°-110°	27.1	5.5
110°-120°	23.7	4.8
120°-130°	19.4	3.9
130°-140°	14.4	2.9
140°-150°	9.3	1.9
150°-160°	4.8	1.0
160°-170°	1.7	0.3
170°-180°	0.2	0.0
0°-30°	130.7	26.6
0°-40°	172.4	35.1
0°-60°	255.3	52.0
0°-90°	361.6	73.6
90°-120°	79.7	16.2
90°-150°	122.8	25.0
90°-180°	129.0	26.3
0°-180°	491.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	460	43
15°	118	45
25°	93	42
35°	66	42
45°	54	42
55°	46	41
65°	40	40
75°	34	36
85°	27	23
90°	27	15
95°	27	22
105°	26	27
115°	24	24
125°	21	19
135°	19	14
145°	15	9
155°	11	5
165°	5	2
175°	1	0
180°	0	

TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	413.5
2.5°	426.8
5°	459.5
7.5°	454.2
10°	446.2
12.5°	191.2
15°	117.8
17.5°	111.6
20°	105.4
22.5°	100.0
25°	93.0
27.5°	85.0
30°	77.0
32.5°	70.8
35°	66.4
37.5°	62.0
40°	58.4
42.5°	55.8
45°	54.0
47.5°	51.4
50°	49.6
52.5°	47.8
55°	46.0
57.5°	44.3
60°	43.4
62.5°	41.6
65°	39.8
67.5°	39.0
70°	37.2
72.5°	36.3
75°	34.5
77.5°	32.8
80°	30.1
82.5°	28.3
85°	27.4
87.5°	26.6
90°	26.6
92.5°	26.6
95°	26.6
97.5°	26.6
100°	25.7
102.5°	25.7
105°	25.7
107.5°	25.7
110°	24.8

TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	24.8
115°	23.9
117.5°	23.0
120°	23.0
122.5°	22.1
125°	21.2
127.5°	21.2
130°	20.4
132.5°	19.5
135°	18.6
137.5°	17.7
140°	16.8
142.5°	15.9
145°	15.1
147.5°	13.3
150°	12.4
152.5°	11.5
155°	10.6
157.5°	8.9
160°	8.0
162.5°	7.1
165°	5.3
167.5°	4.4
170°	3.5
172.5°	1.8
175°	0.9
177.5°	0.0
180°	0.0

TEST NUMBER: P1245252

CATALOG NUMBER: PRLX-NIM-S-935-05L-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	7.8	9.0	8.5	9.7	10.6	7.8	9.0	8.5	9.7	10.6
	3H	10.1	11.2	10.9	11.9	12.8	10.1	11.2	10.9	11.9	12.8
	4H	11.2	12.2	12.0	13.0	13.9	11.2	12.2	12.0	13.0	13.9
	6H	12.2	13.1	12.9	13.9	14.8	12.2	13.1	12.9	13.9	14.8
	8H	12.6	13.5	13.4	14.3	15.2	12.6	13.5	13.4	14.3	15.2
	12H	13.0	13.9	13.8	14.6	15.6	13.0	13.9	13.8	14.6	15.6
4H	2H	8.4	9.4	9.2	10.2	11.1	8.4	9.4	9.2	10.2	11.1
	3H	10.9	11.8	11.7	12.6	13.5	10.9	11.8	11.7	12.6	13.5
	4H	12.2	12.9	12.9	13.7	14.7	12.2	12.9	12.9	13.7	14.7
	6H	13.3	14.0	14.1	14.8	15.8	13.3	14.0	14.1	14.8	15.8
	8H	13.8	14.5	14.6	15.3	16.3	13.8	14.5	14.6	15.3	16.3
	12H	14.3	14.9	15.1	15.7	16.7	14.3	14.9	15.1	15.7	16.7
8H	4H	12.6	13.2	13.4	14.0	15.0	12.6	13.2	13.4	14.0	15.0
	6H	13.9	14.4	14.7	15.3	16.3	13.9	14.4	14.7	15.3	16.3
	8H	14.5	15.0	15.3	15.8	16.9	14.5	15.0	15.3	15.8	16.9
	12H	15.2	15.6	16.0	16.5	17.5	15.2	15.6	16.0	16.5	17.5
12H	4H	12.6	13.2	13.4	14.0	15.0	12.6	13.2	13.4	14.0	15.0
	6H	14.0	14.5	14.8	15.3	16.4	14.0	14.5	14.8	15.3	16.4
	8H	14.7	15.1	15.5	16.0	17.0	14.7	15.1	15.5	16.0	17.0

(END OF REPORT)