

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: P1245185

Luminaire Tested: PRLX-NIM-M-935-07L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-935-07L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

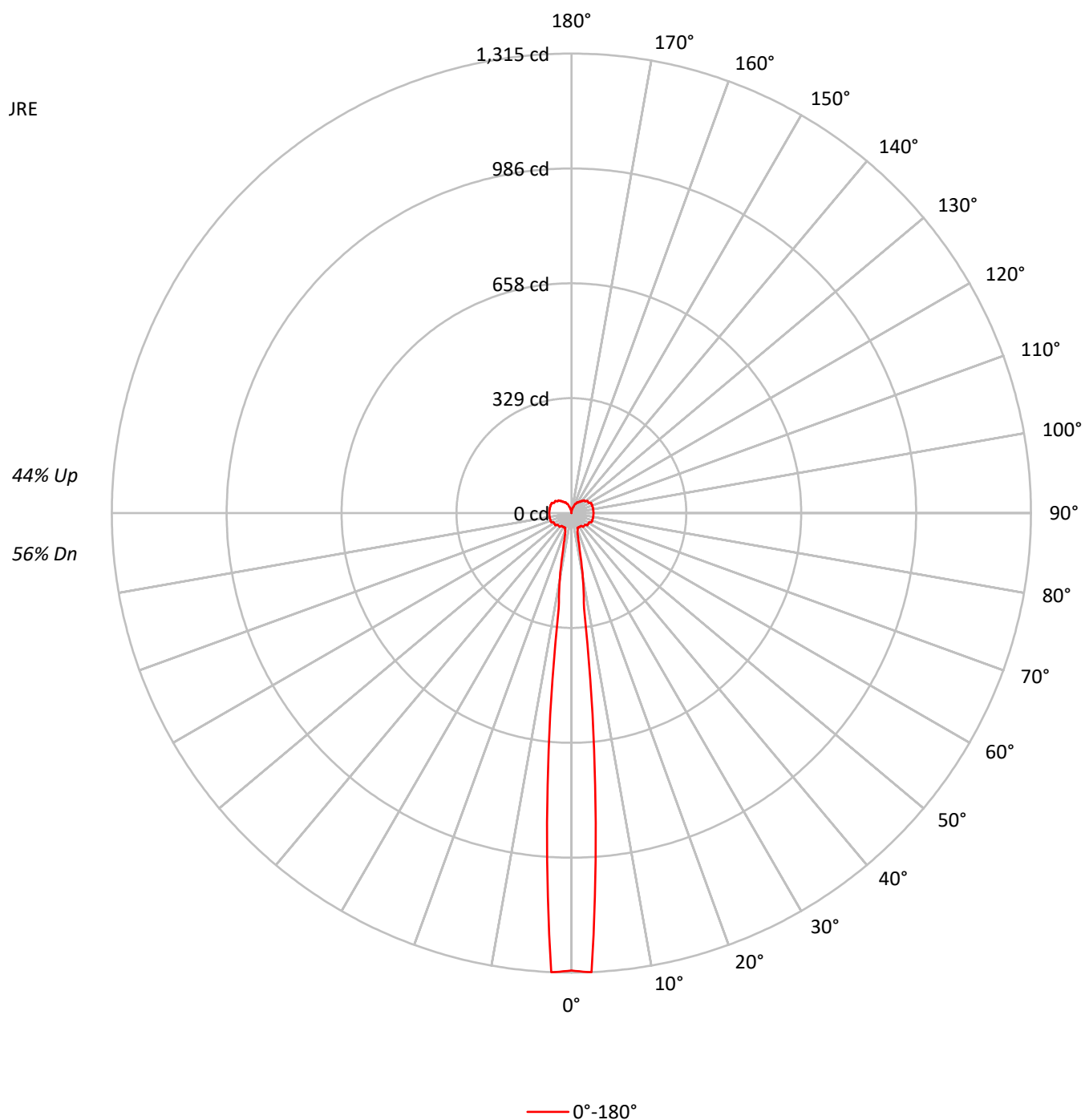
Lumens per Lamp: N/A
Luminaire Lumens: 745.1 lumens
Efficiency: N/A
Efficacy: 25.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

Luminous Intensity Polar Plot



TEST NUMBER: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

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	
RCR																						
0	108	108	108	108		101	101	101	101		86	86	86		73	73	73		61	61	61	
1	95	89	83	78		88	82	77	73		70	66	63		58	55	53		48	46	44	
2	85	76	68	62		78	70	63	58		60	54	50		50	46	42		40	37	35	
3	77	66	58	51		71	61	54	47		52	46	41		43	39	35		35	32	29	
4	71	59	50	43		65	54	46	40		46	40	35		39	34	30		32	28	25	
5	65	52	43	37		60	49	41	35		42	35	30		35	30	26		29	25	22	
6	60	47	39	32		56	44	36	30		38	32	27		32	27	23		27	23	20	
7	56	43	35	29		52	40	33	27		35	29	24		30	25	21		25	21	18	
8	53	40	32	26		49	37	30	25		32	26	22		28	23	19		23	19	16	
9	49	37	29	24		46	34	27	22		30	24	20		26	21	18		22	18	15	
10	47	34	27	22		43	32	25	21		28	22	19		24	20	17		21	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67103
5°	29418
10°	5676
15°	1869
20°	1118
25°	880
30°	795
35°	731
40°	767
45°	723
50°	689
55°	736
60°	714
65°	769
70°	758
75°	753
80°	755
85°	761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 90°
Luminance: 774 cd/sqm

TEST NUMBER: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	7.0
10°-20°	23.8	3.2
20°-30°	21.5	2.9
30°-40°	29.3	3.9
40°-50°	40.0	5.4
50°-60°	50.9	6.8
60°-70°	60.6	8.1
70°-80°	66.9	9.0
80°-90°	69.0	9.3
90°-100°	69.0	9.3
100°-110°	66.9	9.0
110°-120°	62.0	8.3
120°-130°	50.9	6.8
130°-140°	38.4	5.2
140°-150°	24.5	3.3
150°-160°	14.1	1.9
160°-170°	4.6	0.6
170°-180°	0.4	0.1
0°-30°	97.5	13.1
0°-40°	126.8	17.0
0°-60°	217.7	29.2
0°-90°	414.2	55.6
90°-120°	197.9	26.6
90°-150°	311.7	41.8
90°-180°	331.0	44.4
0°-180°	745.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1309	
5°	781	52
15°	75	24
25°	46	22
35°	46	29
45°	52	40
55°	57	51
65°	63	61
75°	63	67
85°	63	52
90°	63	35
95°	63	52
105°	63	67
115°	63	62
125°	57	51
135°	52	38
145°	40	24
155°	29	14
165°	17	5
175°	0	0
180°	0	

TEST NUMBER: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

CANDELA DISTRIBUTION (FULL):

0°	
0°	1309.4
2.5°	1315.2
5°	781.1
7.5°	275.7
10°	189.5
12.5°	109.1
15°	74.7
17.5°	57.4
20°	51.7
22.5°	45.9
25°	45.9
27.5°	45.9
30°	45.9
32.5°	45.9
35°	45.9
37.5°	45.9
40°	51.7
42.5°	51.7
45°	51.7
47.5°	51.7
50°	51.7
52.5°	57.4
55°	57.4
57.5°	57.4
60°	57.4
62.5°	57.4
65°	63.2
67.5°	63.2
70°	63.2
72.5°	63.2
75°	63.2
77.5°	63.2
80°	63.2
82.5°	63.2
85°	63.2
87.5°	63.2
90°	63.2
92.5°	63.2
95°	63.2
97.5°	63.2
100°	63.2
102.5°	63.2
105°	63.2
107.5°	63.2
110°	63.2

TEST NUMBER: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

CANDELA DISTRIBUTION (continued):

	0°
112.5°	63.2
115°	63.2
117.5°	63.2
120°	57.4
122.5°	57.4
125°	57.4
127.5°	57.4
130°	51.7
132.5°	51.7
135°	51.7
137.5°	45.9
140°	45.9
142.5°	40.2
145°	40.2
147.5°	34.5
150°	34.5
152.5°	34.5
155°	28.7
157.5°	28.7
160°	23.0
162.5°	17.2
165°	17.2
167.5°	11.5
170°	11.5
172.5°	5.7
175°	0.0
177.5°	0.0
180°	0.0

TEST NUMBER: P1245185

CATALOG NUMBER: PRLX-NIM-M-935-07L-U-NR

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	6.3	7.3	7.2	8.3	9.4	6.3	7.3	7.2	8.3	9.4
	3H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	4H	10.9	11.8	11.8	12.7	13.9	10.9	11.8	11.8	12.7	13.9
	6H	12.3	13.1	13.2	14.1	15.3	12.3	13.1	13.2	14.1	15.3
	8H	13.0	13.8	13.9	14.7	15.9	13.0	13.8	13.9	14.7	15.9
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.4	12.2	13.4	10.4	11.2	11.4	12.2	13.4
	4H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	6H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	12H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
8H	4H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	6H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
	8H	15.2	15.6	16.1	16.6	17.9	15.2	15.6	16.1	16.6	17.9
	12H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8
12H	4H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	6H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2

(END OF REPORT)